

AAk1_Q3UH0_5729.1	-0.005	-0.006	-0.2	0.2	0.52	-0.02	0	0.29	-0.1	-0.85	0.01	-0.16	-0.38	0.11	-0.07	0.17	0.225	-0.2475	-0.015	0.957552	0.395225	0.408718	1	0.99961	0.98529
AAk1_Q3UH0_5739.1	1.71	0.47	-0.88	1.97	2.22	1.29	1.82	1.65	0.89	-0.41	0.79	0.1	1.77	1.4	0.21	1.16	0.9275	-0.475	-0.5675	0.505999	0.154156	0.470756	1	0.99961	0.814386
AAk1_Q3UH0_5840.1	0.72	-0.48	-1.1	0.48	3.49	0.68	1.12	1.89	0.92	-0.1	0.1	0.36	-0.1	0.36	-0.1	0.36	0.025	0.771502	0.893122	0.15123	0.795	0.1	0.99961	0.91502	
AAk1_Q3UH0_5936.1	-1.23	-0.6	-0.43	-0.53	-0.31	-0.01	-0.38	-0.6	-0.33	-1.53	-0.02	0	0.4	-1.04	-0.73	-0.52	0.1225	0.2275	0.16	0.7330	0.685816	0.58153	1	0.99961	0.879224
AAk1_Q3UH0_1604.1	-0.07	0.19	0.03	-0.18	-0.05	0.11	-0.58	0.17	0.22	0.13	-0.08	-0.09	0.57	0.51	0.15	0.25	-0.08	0.0925	0.3775	0.191055	0.771272	0.711916	1	0.99961	0.646674
AAk1_Q3UH0_1618.1	-0.69	0.11	-0.46	-0.1	0.26	0.07	-0.22	0.03	0.12	0	-0.46	-0.2	0.17	0.28	-0.08	0.19	0.045	-0.185	0.065	0.812902	0.85523	0.4785	1	0.99961	0.93121
AAk1_Q3UH0_1618.2	0.12	0.09	-0.12	-0.13	0.26	0.07	-0.22	0.03	0.12	0	-0.46	-0.2	0.17	0.28	-0.08	0.19	0.045	-0.185	0.065	0.812902	0.85523	0.4785	1	0.99961	0.93121
AAk1_Q3UH0_1672.2	3.47	-0.08	-0.28	0.51	1.45	0.15	1.77	-0.22	-0.43	-0.82	-0.33	-1.36	-2.02	-1.48	-1.12	-0.53	0.3825	-1.14	-1.6925	0.122071	0.722692	0.787841	1	0.99961	0.590723
AAk1_Q3UH0_1679.1	-0.2	-0.46	-1.2	-0.86	-0.39	-0.12	-0.28	-0.64	-0.42	-1.42	-0.58	-0.86	-1	-1.18	-1.32	-0.6	0.5175	-0.14	-0.095	0.798781	0.152587	0.80063	1	0.99961	0.93091
AAk1_B1A2P_5602.1	0.49	0.18	0.34	0.09	0.4	0.49	0.34	0.09	0.4	0.49	0.34	0.09	0.4	0.49	0.34	0.09	0.4	0.49	0.34	0.09	0.4	0.49	0.34	0.09	0.4
AAk1_B1A2P_5670.1	0	-0.18	-0.54	-0.61	0.32	-0.42	0.32	-0.93	-0.27	0.31	-1.1	-1.6	0.11	0.78	0.08	0.79	-0.15	-0.635	0.4675	0.214886	0.70515	0.197556	1	0.99961	0.667764
AAk1_B1A2P_5670.1	0.25	0.5	-0.38	-0.29	-0.29	-0.42	0.13	0.04	-0.41	-0.31	-0.71	-0.29	0.36	-0.47	-0.44	0.0175	-0.155	0.02	0.915615	0.950105	0.957925	1	0.99961	0.980479	
AAk1_B1A2P_5670.1	-2.29	-0.71	-0.25	-0.09	-0.02	0.02	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	
AAk1_B1A2P_5670.1	0.88	1.27	1.12	1.07	1.24	1.53	0.86	0.4	2.14	2.39	0.63	1.5	0.79	0.68	1.07	0.1	-0.0975	-0.56	-0.2925	0.29952	0.755517	0.139152	1	0.99961	0.712604
AAk1_B1A2P_5670.1	-0.34	-0.35	-0.45	-0.36	-0.31	-0.45	-0.75	-1.19	-0.32	0.23	0.13	-0.27	0.73	-0.4	-0.4	-0.32	-0.475	-0.185	0.1025	0.783918	0.158284	0.621524	1	0.99961	0.922628
AAk1_B1A2P_5670.1	-0.26	-1.56	-0.54	-0.62	-0.94	-0.54	-0.53	-1.06	-0.28	0.2	-0.57	-0.49	-0.35	-1.49	-0.73	-1.1	-0.0225	-0.46	-0.18	0.053899	0.948042	0.22412	1	0.99961	0.878499
AAk1_B1A2P_5670.1	-1.09	-1.07	-0.8	-1.64	-0.75	-1.41	-1.31	-1.64	-0.02	-0.36	-0.81	-0.57	-0.51	-0.43	-0.23	-0.77	-0.115	0.7325	0.07505	0.706716	0.021884	1	0.99961	0.436111	
AAk1_B1A2P_5670.1	-1.44	-0.43	0.31	0.57	0.34	0.2	-0.3	0.29	0.35	0.26	-0.46	-0.58	0.47	0.16	0.41	-1.29	0.165	0.155	-0.03	0.95842	0.748834	0.75737	1	0.99961	0.98564
AAk1_B1A2P_5670.1	-0.71	-0.28	0.44	0	-0.26	-0.83	-0.76	0.04	-0.52	-0.22	-0.48	0.82	0.66	-0.14	-0.11	-0.33	0.0375	0.51	0.27625	0.37662	0.926318	1	0.99961	0.678949	
AAk1_B1A2P_5670.1	-0.15	-0.18	-1.73	-0.57	-0.55	-0.83	-1.1	-1.53	-0.27	-0.16	-0.53	-0.1	-0.05	-0.03	-0.1	-0.06	-0.3375	0.09	0.0265	0.330667	0.197979	0.91237	1	0.99961	0.917603
AAk1_B1A2P_5670.1	2.98	0.19	-0.76	1.37	0.53	2.67	1.69	1	0.47	1.18	0.1	1.2	0.25	1.15	-0.56	1.34	-0.025	-1.035	-0.22983	0.092114	0.973671	1	0.99961	0.680924	
AAk1_B1A2P_5670.1	2.1	-1.51	-0.24	1.61	0.33	-0.33	1.25	0.52	-0.51	0.32	0.14	-0.56	-1.43	-1	-0.33	-0.92	-0.0475	-1.485	0.075667	0.951663	0.408621	1	0.99961	0.510404	
AAk1_B1A2P_5670.1	3.1	0.8	0.39	1.52	2.52	2.77	2.23	1.72	1.94	1.3	1.17	0.67	-1.17	1.22	1.25	0.88	0.8575	-0.1825	-0.9075	0.213357	0.162197	0.759276	1	0.99961	0.683077
AAk1_B1A2P_5670.1	0.11	1.48	-1.03	-1.91	-1.03	1.89	-0.32	-1.2	-0.98	0.6	1.09	-1.36	-1.05	-1.31	-3.94	-4.55	-0.7725	1.08	-1.975	0.115269	0.45479	0.394843	1	0.99961	0.586827
AAk1_B1A2P_5670.1	1.02	-2.21	-2.33	-1.05	-1.49	-1.64	-0.07	-2.22	-2.83	1.73	-2.47	-2.89	-2.46	-2.08	-2.15	-1.77	-0.6775	-0.4725	-0.9725	0.158871	0.470736	0.686728	1	0.99961	0.646224
AAk1_B1A2P_5670.1	-1.01	-0.84	-0.47	-0.78	-1.04	-1.13	-1.05	-0.81	-1.05	-0.42	-0.91	-0.36	-1.18	-0.9	-0.53	-0.34	-0.2225	0.09	0.2875	0.73479	0.365363	0.757823	1	0.99961	0.734938
AAk1_B1A2P_5670.1	1.56	-1.7	1.1	0.82	1.31	0.1	1.02	1.1	0.82	1.31	0.1	1.02	1.1	0.82	1.31	0.1	1.02	1.1	0.82	1.31	0.1	1.02	1.1	0.82	1.31
AAk1_B1A2P_5670.1	0.85	0.65	0.64	0.44	0.5	0.51	0.51	1.03	0.86	0.84	0.53	0.2	0.12	0.73	0.35	-0.74	-0.0075	-0.0375	-0.16	0.585666	0.976991	0.892533	1	0.99961	0.849524
AAk1_B1A2P_5670.1	0.68	1.29	0.09	1.4	0.49	0.87	1.15	1.7	1.24	1.55	0.64	0.67	-0.45	0.6	1.46	0.1	0.1875	0.16	-0.5725	0.259838	0.64108	0.684481	1	0.99961	0.692624
AAk1_B1A2P_5670.1	2.88	-0.67	0.88	1.46	0.4	0.87	2.04	1.22	0.43	1.5	1.18	0.04	-1.9	0.06	-0.47	-0.21	-0.005	-0.35	-1.5325	0.075152	0.99447	0.677897	1	0.99961	0.510404
AAk1_B1A2P_5670.1	0.59	0.3	-0.25	-0.08	-0.1	0.01	-0.95	-0.27	-0.17	0.29	0.13	0.67	-0.06	0.26	0.59	0.06	0.941478	0.683017	0.423691	0.941478	0.683017	0.423691	1	0.99961	0.989128
AAk1_B1A2P_5670.1	0.29	0.78	0.42	-0.51	-0.45	-0.26	-0.21	-0.09	0.26	0.8	0.71	-0.26	0.3	-0.02	-0.55	-0.04	-0.3675	-0.2225	-0.3225	0.390455	0.298178	0.603848	1	0.99961	0.758091
AAk1_B1A2P_5670.1	0.08	-0.2	-0.28	0.3	-0.06	0.66	0.12	0.89	-0.12	-0.59	0.06	0.16	-1.12	0.03	-0.45	0.21	0.4275	-0.0975	0.3075	0.413198	0.19304	0.741154	1	0.99961	0.768474
AAk1_B1A2P_5670.1	0.82	-0.38	0.04	1.45	-0.25	-0.47	1.83	0.57	-0.41	0.57	1.54	0.97	-0.25	0.44	1.55	-0.025	-0.185	-0.5	0.423925	0.916641	0.671303	0.713803	1	0.99961	0.777385
AAk1_B1A2P_5670.1	0.25	0.48	-0.67	0.31	0.56	0.01	0.32	0.02	0.03	0.69	0.49	0.65	-0.14	-0.42	-0.43	0.2	0.135	0.3725	-0.08	0.826793	0.684706	0.298252	1	0.99961	0.940834
AAk1_B1A2P_5670.1	0.8	-0.27	-2.57	0.76	1.33	0.63	1.16	0.12	0.76	-0.19	-0.28	-1.39	-0.96	0.55	-0.91	0.27	1.13	0.04	0.0575	0.940578	0.148329	0.954769	1	0.99961	0.881146
AAk1_B1A2P_5670.1	-1.18	-1.73	-0.57	-0.58	-0.21	-0.85	-2.57	-1.17	-0.07	0.29	0.13	0.67	-0.06	0.26	0.59	0.06	0.941478	0.683017	0.423691	0.941478	0.683017	0.423691	1	0.99961	0.989128
AAk1_B1A2P_5670.1	0.95	-0.22	-0.54	1.73	0.59	0.51	0.89	1.75	0.19	0.8	0.81	1.11	-1.32	0.06	-0.02	1.57	0.345	-0.1125	-0.5175	0.454453	0.513993	0.820864	1	0.99961	0.789715
AAk1_B1A2P_5670.1	-0.6	-1.97	-0.77	-0.29	-0.52	-0.77	-1.19	-0.35	-0.99	-1.43	-0.56	-1.3	-1.5	-0.88	-0.34	0.45	-0.4125	0.12	0.790696	0.270075	0.316155	0.926415	1	0.99961	0.926415
AAk1_B1A2P_5670.1	-0.38	-1.2	-2.16	-0.82	-0.86	-2.08	-1.69	-2.22	-1.78	-0.64	-2.85	-2.22	-1.88	-1.42	-4.28	-3.81	-0.7175	-0.1075	-0.7325	0.140884	0.750261	0.870259	1	0.99961	0.767937
AAk1_B1A2P_5670.1	-0.32	-1.07	-0.42	-0.13	0.48	0.27	0.8	-0.42	0.21	0.11	0.62	0.21	0.11	0.62	0.21	0.11	0.62	0.21	0.11	0.62	0.21	0.11	0.62	0.21	0.11
AAk1_B1A2P_5670.1	-0.41	-0.24	-0.82	-1.14	-0.61	-0.59	-1.09	-0.73	-0.68	-0.29	-0.97	-0.51	-1.02	-0.55	-0.95	-0.02	-1.025	0.04	0.5375	0.264586	0.73176	0.889398	1	0.99961	0.6935
AAk1_B1A2P_5670.1	-1.02	-0.56	0.5	0.4	0.61	2.68	-0.64	0.22	-1.4	-2.17	-1.44	-0.85	1.05	0.1	-0.35	-0.45	-0.4625	-1.305	-0.2475	0.613802	0.527851	0.015869	1	0.99961	0.881203
AAk1_B1A2P_5670.1	-0.66	0.16	-0.62	-0.16	-0.08	0.18	0.64	0.08	0.6	0.16	0.08	0.6	0.16	0.08	0.6	0.16	0.08	0.6	0.16	0.08	0.6	0.16	0.08	0.6	0.16
AAk1_B1A2P_5670.1	-0.98	-0.51	-0.5	-0.24	0.04	-0.24	-0.61	-0.98	0.5	-0.02	-0.62	-0.24	-1.16	-0.22	-0.45	-0.38	-1.4175	-4.9617	-1.0	0.71351	0.595041	1	0.99961	1	
AAk1_B1A2P_5670.1	-0.78	-0.87	-0.17	-0.6	-1.03	-0.4	-0.64	0.14	-0.2	-0.62	0.17	-0.18	-0.09	-0.25	-1.15	-0.47	-0.1775	-0.0975	-0.051	0.973914	0.670897	0.803771	1	0.99961	0.926415
AAk1_B1A2P_5670.1	0.82	-0.68	-1.08	-0.12	-0.24	-0.05	-0.46	-0.23	-1.09	0.01	-0.59	-1.07	-1.35	-0.05	-0.64	-0.36	-0.25	-0.42	-0.485	0.330731	0.439561	0.381789	1	0.99961	0.713803
AAk1_B1A2P_5670.1	0.58	1.2	0.3	0.83																					

Adel1_FRW429_T641_2	0.13	0.68	0.77	0.01	0.01	0.61	-0.04	-0.32	0.08	0.83	-0.46	-0.04	0	0.12	0.11	0.7	-0.3325	-0.295	-0.165	0.614981	0.314179	0.423407	1	0.99961	0.861203	
Adel1_FRW429_T645_1	-1.27	-0.24	0.53	-0.85	-1.39	0.03	-0.99	-0.48	0.13	-0.42	0.16	-0.01	0.27	0.31	0.04	0.63	-0.25	-0.4225	0.77	0.092111	0.600289	0.32515	1	0.99961	0.557085	
Adel1_FRW429_T646_2	0.13	0.68	0.77	0.01	0.01	0.61	-0.04	-0.32	0.08	0.83	-0.46	-0.04	0	0.12	0.11	0.7	-0.3325	-0.295	-0.165	0.614981	0.314179	0.423407	1	0.99961	0.861203	
Adel1_O9C970_S6001_1	-1.33	-0.69	-0.69	-2.54	0.1	-0.95	-2.06	-2.37	-0.63	-1.24	-0.27	-1.43	1.89	0.4	-2.63	-1.11	-0.0975	-0.12	0.66	0.474837	0.882895	0.8214	1	0.99961	0.798927	
Adel1_O9C970_S6201_1	0.08	1.59	2.05	0.98	0.48	1.83	0.34	1.05	1.19	1.65	0.92	1.47	1.56	1.6	1.45	2.05	-0.25	0.1325	0.49	0.287286	0.624369	0.673688	1	0.99961	0.708922	
Adel1_O9C970_T6101_1	-1.97	-2.46	-1.98	-2.46	-1.98	-2.46	-1.98	-2.46	-1.98	-2.46	-1.98	-2.46	-1.98	-2.46	-1.98	-2.46	-1.98	-2.46	-1.98	0.79846	0.697466	0.320525	1	0.99961	0.861203	
Adel1_O9C970_T6102_2	0.13	0.68	0.77	0.01	0.01	0.61	-0.58	-0.39	0.08	0.83	-0.76	-0.17	0	0.12	-0.26	0.07	-0.245	-0.165	-0.175	0.576566	0.49738	0.586404	1	0.99961	0.861203	
Adel1_O9C970_T6141_1	-1.27	-0.24	0.53	-0.85	-1.39	0.03	-0.99	-0.48	0.13	-0.42	0.16	-0.01	0.27	0.31	0.04	0.63	-0.25	-0.4225	0.77	0.092111	0.600289	0.32515	1	0.99961	0.557085	
Adel1_O9C970_T6142_2	0.13	0.68	0.77	0.01	0.01	0.61	-0.78	-0.37	0.08	0.83	-0.86	-0.41	-0.2	0	0.12	-0.39	-0.07	-0.1975	-0.1025	-0.15	0.615497	0.314179	0.423407	1	0.99961	0.861203
Adel2_O9C978_S511_1	-0.7	-0.46	-0.2	-0.08	-0.61	0.01	-0.14	-0.01	-0.02	-0.04	-0.06	-0.02	-0.04	-0.02	-0.05	-0.06	-0.02	-0.05	-0.04	0.08	0.812077	0.365643	0.1	1	0.99961	0.861203
Adel2_O9C978_S5281_1	1.17	-0.05	-1.22	0.04	-0.39	-0.78	-0.56	-0.63	-0.86	-0.65	-1.26	-1.08	-0.25	-0.01	-0.62	-0.68	-0.3325	-0.0975	-0.125	0.816688	0.535994	0.120188	1	0.99961	0.937777	
Adel2_O9C978_S5301_1	-0.19	-0.59	-1.14	0.13	0.14	0.32	-0.2	-0.34	-0.31	-0.13	-0.97	-1.09	-0.46	-0.52	0	0.01	0.3325	-0.1125	0.27	0.494343	0.376755	0.785825	1	0.99961	0.830007	
Adel2_O9C978_S5311_1	0.1	0.07	-0.02	0.09	0.14	0.4	-0.09	-0.09	-0.64	-0.49	-0.17	-0.09	-0.07	-0.16	0.02	0.07	0.135	-0.185	0.2425	0.538831	0.604649	0.596217	1	0.99961	0.830007	
Adel2_O9C978_S5391_1	0.71	0.41	0.82	0.32	-0.14	0.79	-0.08	1.1	0.62	0.81	-0.73	1.1	0.63	0.76	0.99	1.31	-0.1475	-0.115	0.3575	0.248465	0.681588	0.786604	1	0.99961	0.685751	
Adel2_O9C978_S5941_1	-0.88	1.18	-0.22	0.16	0.23	0.98	0	0.32	1.35	0.66	0.59	0.92	2.29	1.13	0.17	1	0.3225	0.82	0.0875	0.078775	0.488822	0.095766	1	0.99961	0.545749	
Adel2_O9C978_S5981_1	0.8	1.77	1.03	1.11	1.49	1.12	0.04	0.58	1.24	1.91	-0.06	0.08	1.79	1.99	-0.01	-0.45	-0.12	-0.385	-0.3475	0.563631	0.803737	0.414665	1	0.99961	0.841252	
Adel2_O9C978_S5991_1	0.75	1.18	0.22	0.32	1.07	1.08	0.5	0.13	0.88	0.71	0.27	0.02	0.33	1.42	1.18	0.07	0.0015	-0.175	-0.065	0.889561	0.574065	0.546477	1	0.99961	0.936501	
Adel2_O9C978_S5991_3	0.42	1.37	1.27	1.68	1.22	1.3	0.99	1.63	1.04	1.01	1.17	0.88	1	0.96	1.15	1.62	0.1	-0.16	-0.2275	0.596475	0.767161	0.627881	1	0.99961	0.854508	
Adel2_O9C978_S6021_1	-0.83	-0.07	0.71	-1.12	-1.92	-2.09	-0.84	-0.57	-1.23	-1.06	-0.17	-0.11	0.54	-0.95	-1.12	-0.46	-0.7775	-0.175	0.08	0.881341	0.167586	0.765759	1	0.99961	0.963864	
Adel2_O9C978_S6021_2	-1.1	-0.59	-0.42	-0.59	-0.78	-1.47	-1.14	-1.16	-0.4	-1.22	-0.85	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	0.305	0.518043	0.638704	0.73848	1	0.99961	0.915311	
Adel2_O9C978_S6021_3	0.42	1.37	1.27	1.68	1.22	1.3	0.99	1.63	1.04	1.01	1.17	0.88	1	0.96	1.15	1.62	0.1	-0.16	-0.2275	0.596475	0.767161	0.627881	1	0.99961	0.854508	
Adel2_O9C978_S6061_2	-1.48	-0.84	-0.12	-1.07	-2.26	-1.28	-1.05	-0.61	-1.47	-0.45	-0.89	-0.58	0.42	-1.31	-0.75	-0.48	-0.4225	0.3	0.3475	0.452843	0.34771	0.937753	1	0.99961	0.788525	
Adel2_O9C978_S6061_3	0.42	1.37	1.27	1.68	1.22	1.3	0.99	1.63	1.04	1.01	1.17	0.88	1	0.96	1.15	1.62	0.1	-0.16	-0.2275	0.596475	0.767161	0.627881	1	0.99961	0.854508	
Adel2_O9C978_S6011_1	0.04	0.3	0.26	-0.07	0.91	-0.36	0.2	0.03	0.33	-0.01	0.08	0.49	0.78	0.58	0.72	0.04	-0.1025	0.4325	0.174545	0.911121	0.726521	0.726521	1	0.99961	0.642116	
Adel2_O9C978_S6141_2	-0.03	-0.59	-0.08	0.22	-0.49	-3.53	0.43	-1.35	-7.22	-6.29	-1.07	-0.93	-7.96	-3.41	-1.08	-1.39	-0.11	-1.2575	-0.84	0.606313	0.502865	0.529876	1	0.99961	0.889315	
Adel2_O9C978_S6141_3	-0.41	-0.13	1.12	-1.67	-3.16	-0.94	-1.47	-3.29	-1.94	-0.64	-1.6	-1.05	-1.87	-0.67	-0.99	-1.38	-1.9425	-0.715	-0.02	0.980038	0.025966	0.33261	1	0.99961	0.949107	
Adel2_O9C978_S6141_4	-0.59	-0.49	-0.59	-0.49	-0.59	-0.49	-0.59	-0.49	-0.59	-0.49	-0.59	-0.49	-0.59	-0.49	-0.59	-0.49	-0.59	-0.49	-0.59	0.650211	0.595056	0.528976	1	0.99961	0.915311	
Adel2_O9C978_S6211_1	-1.61	-4.54	-3.78	-4.11	-3.37	-3.75	-2.92	-3.21	-3.05	-2.3	-2.79	-4.12	-1.95	-3	-4.72	-4.22	-1.9375	-0.445	-0.1875	0.809385	0.745096	0.51577	1	0.99961	0.936643	
Adel2_O9C978_S621_1	-0.29	0.4	0.38	-0.15	-0.62	-0.33	-0.7	-0.6	-1.35	-0.13	-0.69	-0.44	-0.6	0.11	0.44	0.27	-0.0475	-0.5375	0.17	0.625676	0.129327	0.148682	1	0.99961	0.864021	
Adel2_O9C978_S6921_1	-0.72	-0.21	0.36	-0.16	-0.34	-0.19	-0.55	-0.2	-0.05	0.18	-0.13	-0.35	1.25	0.34	0.17	0.37	-0.2425	0.165	0.61	0.113118	0.441216	0.610891	1	0.99961	0.602916	
Adel2_O9C978_S6921_2	-1.1	-2.4	0.85	0.04	-3.67	-3.36	-0.23	-0.2	-0.84	-0.21	-0.53	-0.57	-2.9	1.17	1.08	0.47	-0.23	-0.06	-0.125	0.848496	0.942269	0.82269	1	0.99961	0.915311	
Adel2_O9C978_S6961_1	-0.19	0.88	1.09	1.16	0.25	1.1	0.4	0.62	0.44	0.64	0.1	0.68	1.92	0.93	0.67	0.94	-0.0925	-0.0175	0.63	0.156924	0.892248	0.961246	1	0.99961	0.626839	
Adel2_O9C978_S7001_1	-2.89	-5.49	-3.01	-2.42	-0.08	-5.08	-2.53	-2.43	-4.81	-3.79	-2.55	-2.6	-3.4	-4.76	-2.83	-2.66	-0.0775	0.015	0.04	0.956771	0.924712	0.984489	1	0.99961	0.984803	
Adel2_O9C978_T5411_1	-0.11	-0.04	-0.06	-0.06	-0.11	-0.04	-0.13	-0.05	-0.13	-0.05	-0.13	-0.05	-0.13	-0.05	-0.13	-0.05	-0.13	-0.05	-0.13	0.020069	0.614798	0.55771	1	0.99961	0.915311	
Adel3_O9C975_S421_1	-0.39	0.23	-0.1	-0.04	-0.28	0.34	-0.16	0.08	0.44	-0.5	-0.02	-0.04	0.47	0.81	0.05	0.25	0.07	0.295	0.405	0.454	0.176122	0.798884	0.313877	1	0.99961	0.642116
Adel3_O9C975_S4611_1	0.67	-1.18	0.4	-0.06	-1.96	-0.33	1.7	-1.54	-1.52	0.89	-1.18	-1.37	-1.61	-1.77	-1.34	-1.89	-0.49	-0.7525	-0.16	0.00379	0.544291	0.520434	1	0.99961	0.351308	
Adel3_O9C975_S4611_2	-0.88	-1.04	-0.81	-1.09	-0.95	-0.9	0.9	0.75	-0.61	-0.41	-0.59	-0.77	-0.49	-0.65	-0.49	-0.27	0.08	0.36	0.48	0.0297	0.547719	0.170407	1	0.99961	0.55886	
Adel3_O9C975_S4641_1	-0.84	-0.18	0.64	-0.29	0.36	-0.34	-0.18	0.24	-0.17	-0.16	-0.14	-0.13	0.34	0.1	0.18	0.05	-0.238	0.06	0.1725	0.680921	0.40771	0.64306	1	0.99961	0.915311	
Adel3_O9C975_S4691_1	-1.85	-3.52	-3.05	-1.96	-2.77	-4.36	-1.77	-2.29	-1.93	-3.27	-1.8	-2.68	-2.52	-3.66	-2.18	-2.58	-2.025	-0.325	-0.14	0.779316	0.745741	0.57195	1	0.99961	0.924146	
Adel3_O9C975_S461_1	0.33	1.36	1.37	1.02	1.03	0.94	0.35	1.1	0.95	1.41	0.62	1.09	0.33	0.86	1.58	1.69	0.09	0.0725	0.17	0.68798	0.79245	0.833788	1	0.99961	0.891733	
Adel3_O9C975_T121_1	-0.88	-0.55	-0.55	-0.96	-0.92	-0.92	-1.13	-0.84	-1.19	-0.48	-1.3	-0.95	0.11	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	0.215626	0.520434	0.565493	1	0.99961	0.786499	
Adel3_O9C975_T2391_1	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	1	0.99961	0.786499	
Adel3_O9C975_T2391_2	-1.44	-2.22	0.6	-0.98	-2.03	1.15	0.7	0.46	0.86	0.21	0.96	1.53	1.39	1.26	1.05	2.01	0.985	1.54	1.2225	0.215626	0.520434	0.565493	1	0.99961	0.642726	
Adel3_O9C975_S3361_1	-0.01	-0.05	-0.24	-0.23	0.33	0.73	-0.6	-0.23	-0.29	-0.13	0.57	-0.63	-0.12	0.06	-0.34	0.84	0.19	0.2025	0.2425	0.473788	0.576403	0.986767	1	0.99961	0.799779	
Adel3_O9C975_S3641_1	-0.57	-0.17	0.24	-0.13	0.27	0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	0.3775	0.050572	0.124054	1	0.99961	0.915311	
Adel3_O9C975_S3641_2	0.4	0.82	1	1.13	1.09	1.25	1.08	0.33	1.08	0.8	0.13	0.46	1.47	0.3	0.86	1.48	1.78	0.1	-0.1225	0.2675	0.502123	0.75008	0.736467	1	0.99961	0.814092
Adel3_O9C975_S3721_1	-1.28	0.51	-0.37	-1.4	0.46	-0.26	-0.38	-1.16	0.1	-0.98																

Akaip12_OBW10TS_5884a_1	-0.76	0.01	-0.2	-1.24	-0.29	-0.33	-0.69	-0.33	-0.19	-0.15	-0.65	0.07	-0.22	-0.21	0.13	-0.28	0.1375	0.4025	0.269565	0.683036	0.38245	1	0.99961	0.697839		
Akaip12_OBW10TS_5898a_1	-1.07	1.95	1.29	1.75	2.52	1.41	1.95	2.31	2.75	1.21	2.47	3.35	0.81	1.08	1.48	1.88	1.82	0.93	1.0475	0.926257	0.32489	0.73105	1	0.99961	0.558128	
Akaip12_OBW10TS_5618a_1	-1.07	1.48	1.48	1.48	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	0.75	0.239944	0.807416	0.345601	1	0.99961	0.744581		
Akaip12_OBW10TS_5682a_1	2.62	1.05	0.97	1.05	0.36	1.59	2.27	0.67	0.41	2.86	0.01	-0.39	0.82	0.33	0.4	-0.91	-0.2	-1.2625	0.312676	0.71393	0.354061	1	0.99961	0.44294		
Akaip12_OBW10TS_5684a_1	1.87	-0.71	1.06	0.42	0.07	0.32	1.64	-0.44	-0.01	2.29	0.75	-0.04	1.17	-0.37	0.15	-0.09	-0.62	-0.695	0.208842	0.678042	0.500552	1	0.99961	0.666763		
Akaip12_OBW10TS_5786a_1	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	0.75	0.616802	0.606939	0.241201	1	0.99961	0.616802		
Akaip12_OBW10TS_5885a_1	2.38	-0.65	0.52	-0.28	-0.43	-0.37	0.61	-0.37	-0.03	0.78	-0.03	-0.02	1.96	-1.41	0.16	-0.61	-0.325	-0.4675	0.587106	0.338217	0.635485	1	0.99961	0.689889		
Akaip5_H3BV5S_5149a_1	-0.02	-0.34	-0.89	-0.39	-1.02	-1.47	-0.02	0.26	-0.21	-1.01	-0.4	-0.4	-2.19	0.34	-2.35	-1.83	0.5925	-1.545	-1.0975	0.809096	0.259202	0.747874	1	0.99961	0.554748	
Akaip5_H3BV5S_5178a_1	-1	-1	-0.68	-1.14	-0.26	-0.42	-0.68	-0.28	-0.22	-0.98	-1.14	-1.04	-0.34	-0.35	-0.43	-0.22	0.075	0.335	0.287425	0.487218	0.823374	1	0.99961	0.705922		
Akaip5_H3BV5S_5249a_1	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	0.495	0.317081	0.525288	0.648745	1	0.99961	0.744581		
Akaip5_H3BV5S_5258a_1	-0.13	-0.15	-0.24	-0.2	-0.27	-0.31	-0.79	-0.03	-0.31	-0.08	-0.56	-0.11	-0.43	-0.28	-0.05	-0.16	-0.17	-0.085	0.9	0.750144	0.522083	0.37365	1	0.99961	0.931331	
Akaip5_H3BV5S_5269a_1	1.26	-0.13	-0.25	0.05	0.05	0.78	0.4	-1.39	-0.43	-1.3	-0.01	-1.51	-1.13	-0.14	-1.74	-2.49	0.3375	-0.4035	0.331331	0.684018	0.955865	1	0.99961	0.719861		
Akaip5_H3BV5S_5277a_1	-0.76	-1.3	-1.8	-1.46	-1.2	-1.53	-1.27	-1.07	-1.2	-1.53	-1.27	-1.07	-1.2	-1.53	-1.27	-1.07	-1.2	-1.53	-1.27	-1.07	-1.2	-1.53	1	0.99961	0.897823	
Akaip5_H3BV5S_529a_1	-0.68	-0.68	-1.04	-1.13	-0.67	-0.52	-0.78	-1.57	-0.09	0.8	-1.45	-1.67	-0.2	-0.54	-1.08	-1.61	-0.3425	-0.06	-0.315	0.532026	0.463583	0.926018	1	0.99961	0.827588	
Akaip5_H3BV5S_575a_1	2.33	-0.82	2.25	0.12	1.49	-0.66	-0.85	-2.52	1.43	0.55	3.01	4.1	1.47	-1.78	1.63	-0.06	-1.3025	-0.655	0.499713	0.90429	0.198887	1	0.99961	0.813279		
Akaip5_H3BV5S_7227a_1	-1.08	-0.72	-0.85	-0.51	-0.74	-1.01	-1.08	-0.63	-0.8	-0.79	-1.13	-0.29	-0.38	-0.28	-0.5	-0.47	-0.075	0.8325	0.158897	0.775509	0.888195	1	0.99961	0.646224		
Akaip5_E9Q9K8_51070a_1	-1.24	-0.12	-0.22	0.61	0.1	0.31	-0.54	0.16	-0.07	-0.51	0.1	0.09	-0.29	-0.16	-0.36	0.41	0.46	0.63	0.091867	0.24241	0.15223	1	0.99961	0.517085		
Akaip5_E9Q9K8_5423a_1	-0.5	-1.85	-0.7	1.31	-1.2	-1.63	1.02	1.53	-1.13	-1.2	1.35	1.29	-2.73	-1.12	0.72	1.29	0.36	0.5125	-0.097	0.927828	0.66006	0.549194	1	0.99961	0.939545	
Akaip5_E9Q9K8_5480a_1	1.37	1.04	0.31	1.74	1.8	1.37	1.24	1.47	1.75	0.94	1.76	0.99	-1.66	1.41	1.26	1.18	0.51	0.4	-0.4125	0.582829	0.271077	0.414582	1	0.99961	0.850634	
Akaip5_E9Q9K8_5532a_1	0.22	0.17	0.57	-0.28	0.15	0.57	0.42	-0.49	-0.09	-0.2	-0.46	-0.15	-0.07	-0.47	0.22	-0.44	-0.425	0.8	0.806524	0.280065	0.240852	1	0.99961	0.616802		
Akaip5_E9Q9K8_72234a_1	0.37	0.12	0.12	0.41	-0.45	0.37	-0.27	0.73	0.5	0.32	0.13	-0.18	-0.36	0.31	0.95	-0.16	-0.3125	0.0475	0.882828	0.628257	0.290268	1	0.99961	0.963505		
Akaip5_E9Q9G10_7361a_1	-0.64	-0.78	-0.73	-1.46	-0.53	-0.38	-0.34	0.02	-0.67	-0.53	-0.85	0.03	0.16	-0.42	-0.16	0.36	0.5975	0.8875	0.021013	0.064798	0.238294	1	0.99961	0.405054		
Atit151_E9Q9K5_5118a_1	-1.33	-0.01	-0.3	-1.92	-2.43	-2.24	-1.52	-1.48	-2.35	-2.47	-1.58	-1.29	-0.37	-1.48	-0.31	-1.11	-1.0275	-1.0325	0.6775	0.648606	0.05526	0.363601	1	0.99961	0.874615	
Atit151_E9Q9K5_5143a_1	0.2	-0.52	0.53	-0.54	-1.34	-0.16	-0.46	-0.56	-0.41	-1.33	-0.29	-0.39	0.17	-0.36	0.15	-0.79	-0.0725	0.0735	0.411873	0.628425	0.971009	1	0.99961	0.763787		
Atit151_E9Q9K5_5225a_1	-1.22	-0.84	-0.61	-1.57	-1.76	-1.2	-1.14	-1.71	-1.54	-0.9	0.2	0.45	1.16	-0.91	-1.16	-1.12	-0.3925	0.5525	0.331587	0.234883	0.23012	1	0.99961	0.727302		
Atit151_E9Q9K5_5230a_1	-1.22	-0.84	-0.61	-1.57	-1.76	-1.2	-1.14	-1.71	-1.54	-0.9	0.2	0.45	1.16	-0.91	-1.16	-1.12	-0.3925	0.5525	0.331587	0.234883	0.23012	1	0.99961	0.727302		
Atit151_E9Q9K5_5232a_1	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.15	0.780821	0.711198	0.280279	1	0.99961	0.926268		
Ak13_O9UWU4_534a_1	0.08	-0.46	1.02	0.4	0.07	0.73	-0.08	0.18	0.1	0.36	0.56	-0.53	0.83	0.61	0.96	1.05	-0.265	-0.4175	0.3775	0.247848	0.408945	0.251838	1	0.99961	0.68575	
Ak13_O9UWU4_7447a_1	-0.66	1.23	0.61	0.9	1.54	-0.32	1.24	-0.49	2.42	-1.14	1.42	2.63	2.71	-0.42	-0.41	-0.44	0.4225	1.2625	0.29	0.722005	0.521258	0.171614	1	0.99961	0.905674	
Ak12_P01518_5215a_1	-0.83	-0.84	-0.79	0.26	-0.48	-0.64	-0.19	0.45	0	-0.09	0.47	1.05	0.23	-0.28	0.79	0.82	0.035	0.5125	0.545	0.263544	0.193974	0.289138	1	0.99961	0.694352	
Ak12_P04549_581a_1	0.44	0.01	-0.49	-0.71	0.14	0.78	-0.05	-1.17	-0.82	-1.23	-0.88	-0.57	-1.23	-0.88	-0.57	-1.23	-0.88	0.15	0.439595	0.416461	0.163249	1	0.99961	0.885659		
Alb1a1_P04549_581a_1	-0.44	0.01	-0.49	-0.71	0.14	0.78	-1.05	-1.11	-0.72	-0.82	-0.57	-1.23	-0.88	-0.57	-1.23	-0.88	-0.57	-1.23	0.15	0.439595	0.416461	0.163249	1	0.99961	0.885659	
Alb1a1_P05064_7144a_1	-0.16	0.78	-0.15	-1.61	-1.39	1.01	-1.14	-1.29	0.03	0.28	-1.31	-1.38	0.18	1.89	-0.9	-0.92	-0.4175	-0.31	0.3475	0.634767	0.53876	0.607878	1	0.99961	0.868886	
Aldoc_P05064_539a_1	-1.03	0.78	-0.15	-1.61	-1.39	1.01	-1.14	-1.29	0.03	0.28	-1.31	-1.38	0.18	1.89	-0.9	-0.92	-0.4175	-0.31	0.3475	0.634767	0.53876	0.607878	1	0.99961	0.868886	
Aldoc_P05064_546a_1	-0.07	0.78	-0.7	0.29	0.28	0.5	0.21	0.19	0.16	0.11	0.45	0.46	0.15	0.58	0.21	0.64	-0.13	-0.13	-0.02	0.924887	0.65006	0.662964	1	0.99961	0.975422	
Aldoc_P05063_536a_1	-0.22	0.93	0.95	0.49	0.79	0.35	-0.13	0.04	0.39	-0.06	0.12	0.63	0.24	-0.02	0.47	0.16	-0.275	-0.2675	-0.325	0.363407	0.455142	0.453443	1	0.99961	0.743747	
Aldoc_P05063_539a_1	0.6	0.79	1.18	-0.6	0.19	0.07	-0.89	-0.41	-0.56	0.06	-0.22	0.17	0.02	0.2	-0.15	0.5	-0.5075	-0.38	0.1	0.799001	0.228842	0.321017	1	0.99961	0.926419	
Aldoc_P05063_545a_1	0.14	0.67	0.06	-0.36	0.15	0.02	-0.07	0.19	0.09	0.1	0.57	0.15	0.07	0.1	0.57	0.15	0.07	0.1	0.57	0.15	0.07	0.1	0.57	1	0.99961	0.740753
Alb1a1_O8K1K6_528a_1	1.51	0.46	0.57	0.99	2.28	1.88	1.92	0.51	2.13	-0.39	0.44	-0.69	-1.16	-0.47	0.16	-1.92	0.765	-0.51	-2.23	0.008827	0.109483	0.414526	1	0.99961	0.365244	
Alb1a1_O8K1K6_5302a_1	0.79	2.37	1.63	1.02	0.66	2.32	1.07	1.34	2.01	2.02	0.98	1.65	2.52	1.37	2.98	1.05	0.3025	0.6775	0.161804	0.825064	0.492404	1	0.99961	0.646674		
Alb1a1_O8K1K6_5318a_1	0.46	1.68	0.39	0.43	0.65	1.45	0.33	0.47	0.97	1.34	0.71	2.12	1.66	0.94	1.14	0.005	0.925	0.75	0.118005	0.974591	0.608364	1	0.99961	0.537675		
Alb1a1_O8K1K6_561a_1	2.15	1.54	3.15	1.54	3.15	1.54	3.15	1.54	3.15	1.54	3.15	1.54	3.15	1.54	3.15	1.54	3.15	1.54	3.15	0.777777	0.117154	0.439435	1	0.99961	0.616802	
Alb12_O9Z800_5105a_1	-1.1	-1.6	-0.49	-0.27	0.15	-0.48	-0.82	-0.45	-0.27	-0.33	-0.69	-0.58	0.54	-0.06	-0.48	-0.09	0.0375	0.3625	0.35452	0.751894	0.910991	1	0.99961	0.739951		
Alb12_O9Z800_5129a_1	-1.76	0.07	1.04	-0.22	0.96	0.14	1.31	-0.67	2.39	-1.46	1.45	3.29	2.92	-0.81	0.78	0.16	0.6525	1.635	0.98	0.24697	0.329544	0.133688	1	0.99961	0.691874	
Alb12_O9Z800_5145a_1	-0.27	-0.18	-0.27	-0.18	-0.27	-0.18	-0.27	-0.18	-0.27	-0.18	-0.27	-0.18	-0.27	-0.18	-0.27	-0.18	-0.27	-0.18	0.215	0.542346	0.581646	0.26162	1	0.99961	0.827588	
Alb12_O9Z800_5460a_1	-0.11	1.03	0.97	0.88	0.83	1.06	-0.86	0.82	0.85	-0.88	1.03	0.79	0.38	1.29	0.75	1.7	0.12	0.9375	0.427368	0.355492	0.555658	1	0.99961	0.773293		
Alb12_O9Z800_5477a_1	-1.29	-0.23	0.97	0.32	-0.54	-0.06	-1.17	-0.87	0.71	-1.52	-2.61	0.64	0.25	-0.82	0.76	0.9	-0.5725	-0.6375	0.33	0.565462	0.277887	0.45055	1	0.99961	0.84139	
Alb12_O9Z80																										

Amk3_A0A087WNUS_51380v1	1.04	-0.12	-1.96	-1.36	-2.65	-1.59	1.82	-4.05	-2.8	0.88	-2.04	-2.61	1.53	-2.74	-2.87	-1.65	-0.2675	-0.2925	-1.3475	0.136067	0.837064	0.781848	1	0.99961	0.860909	
Amk3_A0A087WNUS_51390v1	-0.43	0.49	0.89	0.56	0	-0.13	-0.09	0.4	0.44	-0.17	-0.4	0.23	0.75	0.34	0.83	0.94	-0.3335	-0.1525	0.1675	0.692911	0.342944	0.51112	1	0.99961	0.860497	
Amk3_A0A087WNUS_52066v1	1.14	1.03	2.11	1.77	1.77	1.66	1.31	2.14	1.77	1.43	1.77	1.43	1.77	1.43	1.77	1.43	0.002120	0.1275	0.133	0.39642	0.7344	0.1375	1	0.99961	0.861204	
Amk3_A0A087WNUS_52266v1	1.48	1.45	0.41	1.29	1.44	1.01	1.64	0.88	1.05	1.29	1.72	-0.12	-2.46	-0.18	-0.05	0.99	0.085	-0.1785	-1.4925	0.054085	0.804348	0.706365	1	0.99961	0.841994	
Amk3_A0A087WNUS_52704v1	-0.14	0.11	0.32	1.06	1.86	0.25	0.61	0.85	1.89	-0.21	0.78	1	2.3	0.52	0.43	0.76	0.055	0.0275	0.165	0.784734	0.920386	0.936166	1	0.99961	0.862298	
Amk3_A0A087WNUS_72720v1	-0.12	0.11	0.21	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1	0.99961	0.860909	
Amk3_A0A087WNUS_72720v2	1.48	1.45	0.41	1.29	1.44	1.01	1.64	0.88	1.05	1.29	1.72	-0.12	-2.46	-0.18	-0.05	0.99	0.085	-0.1785	-1.4925	0.054085	0.804348	0.706365	1	0.99961	0.841994	
Amk3_G5E8S5_51648v1	0.31	-1.2	-1.09	-0.29	-0.35	-1.62	0.15	-0.09	-1.02	-1.64	-1.04	-1.43	-1.82	-0.38	-0.88	-0.77	-0.055	-0.08	-0.53	0.30	0.310008	0.917453	0.750407	1	0.99961	0.741243
Amk3_G5E8S5_51656v1	2.44	2.06	-0.64	2.25	2.59	2.83	1.96	1.04	2.71	2.68	0.94	0.39	1.41	1.94	0.85	0.06	0.075	0.1525	-0.4625	0.531559	0.43876	0.853035	1	0.99961	0.827175	
Amk3_G5E8S5_527v1	0.31	1.05	1.09	-0.04	-0.47	0.18	0.49	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.000000	0.000000	0.133	0.39642	0.86186	0.741302	1	0.99961	0.762103	
Amk3_G5E8S5_5507v1	0.07	0.65	-0.35	-0.32	0.05	0.89	0	1.23	0.19	0.07	-0.69	0.36	1.05	0.56	0	0.53	-0.000000	0.000000	0.6525	0.910919	0.188205	0.939778	1	0.99961	0.572424	
Amk3_G5E8S5_5606v1	-0.93	-0.01	-0.37	-1.5	-1.47	-1.11	-1.77	-2.15	-0.7	-1.41	-1.85	-1.08	-0.19	-1.23	-1.19	-1.07	-0.6725	-0.3075	-0.05	0.916962	0.198789	0.409373	1	0.99961	0.973513	
Amk3_G5E8S5_5919v1	-2.05	-0.61	-0.28	-1.95	-0.60	-0.16	-0.35	-0.61	-0.35	-0.61	-0.35	-0.61	-0.35	-0.61	-0.35	-0.61	-0.000000	0.000000	0.5175	0.915416	0.959885	0.995535	1	0.99961	0.771512	
Amk3_G5E8S5_5921v1	-0.76	0.93	-0.21	0.88	2.18	0.33	2.19	0.5	1.91	-2.57	-1.08	0.97	-0.24	-0.04	-0.05	0.68	1.09	0.1375	-0.1225	0.789604	0.092981	0.883081	1	0.99961	0.925593	
Amk3_G5E8S5_71201v1	0.32	0.02	0.65	-0.37	-0.87	-0.36	-0.38	-0.13	-0.71	-0.13	-0.14	-0.06	-0.13	-0.07	0.17	0.33	-0.59	-0.415	-0.015	0.962331	0.087581	0.217738	1	0.99961	0.986642	
Amk3_S4R162_533v1	0.57	1.94	1.14	0.12	1.11	2.71	1.21	0.44	2.19	1.1	0.75	1.01	1.53	0.69	0.58	-0.48	0.425	0.32	-0.4525	0.441046	0.438979	0.513204	1	0.99961	0.781983	
Amk3_S4R162_573v1	-0.64	-0.39	-0.64	-0.1	-0.56	-1.11	-0.12	-0.37	-2.34	-1.65	-0.12	-1.87	-2.24	-0.13	-1.58	-1.39	-1.75	-0.46	-0.7975	0.073883	0.492719	0.513681	1	0.99961	0.814546	
Amk3_S4R162_587v1	0.73	0.23	-0.51	0.71	1.65	-0.17	0.5	0.85	0.62	-0.05	0.66	0.47	-0.46	-0.26	0.09	0.59	0.1745	0.135	-0.17	0.666463	0.407812	0.731782	1	0.99961	0.882624	
Amk3_S4R162_712v1	0.59	-2.45	-1.54	-2.24	-0.4	-1.93	-0.64	-1.38	-0.25	-1.05	-1.27	-0.29	-0.18	-0.28	-2.37	-4.22	0.6175	0.099	-0.49	0.45705	0.243827	0.000797	1	0.99961	0.786969	
Amk3_S4R162_71411v1	0.73	0.23	-0.51	0.71	1.65	-0.17	0.5	0.85	0.62	-0.05	0.66	0.47	-0.46	-0.26	0.09	0.59	0.1745	0.135	-0.17	0.666463	0.407812	0.731782	1	0.99961	0.882624	
Amk3_S4R162_71421v1	0.59	-2.45	-1.54	-2.24	-0.4	-1.93	-0.64	-1.38	-0.25	-1.05	-1.27	-0.29	-0.18	-0.28	-2.37	-4.22	0.6175	0.099	-0.49	0.45705	0.243827	0.000797	1	0.99961	0.786969	
Amk3_S4R162_714121v1	0.73	0.23	-0.51	0.71	1.65	-0.17	0.5	0.85	0.62	-0.05	0.66	0.47	-0.46	-0.26	0.09	0.59	0.1745	0.135	-0.17	0.666463	0.407812	0.731782	1	0.99961	0.882624	
Amk3_S4R162_714212v1	0.59	-2.45	-1.54	-2.24	-0.4	-1.93	-0.64	-1.38	-0.25	-1.05	-1.27	-0.29	-0.18	-0.28	-2.37	-4.22	0.6175	0.099	-0.49	0.45705	0.243827	0.000797	1	0.99961	0.786969	
Amk3_S4R162_714213v1	0.73	0.23	-0.51	0.71	1.65	-0.17	0.5	0.85	0.62	-0.05	0.66	0.47	-0.46	-0.26	0.09	0.59	0.1745	0.135	-0.17	0.666463	0.407812	0.731782	1	0.99961	0.882624	
Amk3_S4R162_714214v1	0.59	-2.45	-1.54	-2.24	-0.4	-1.93	-0.64	-1.38	-0.25	-1.05	-1.27	-0.29	-0.18	-0.28	-2.37	-4.22	0.6175	0.099	-0.49	0.45705	0.243827	0.000797	1	0.99961	0.786969	
Amk3_S4R162_714215v1	0.73	0.23	-0.51	0.71	1.65	-0.17	0.5	0.85	0.62	-0.05	0.66	0.47	-0.46	-0.26	0.09	0.59	0.1745	0.135	-0.17	0.666463	0.407812	0.731782	1	0.99961	0.882624	
Amk3_S4R162_714216v1	0.59	-2.45	-1.54	-2.24	-0.4	-1.93	-0.64	-1.38	-0.25	-1.05	-1.27	-0.29	-0.18	-0.28	-2.37	-4.22	0.6175	0.099	-0.49	0.45705	0.243827	0.000797	1	0.99961	0.786969	
Amk3_S4R162_714217v1	0.73	0.23	-0.51	0.71	1.65	-0.17	0.5	0.85	0.62	-0.05	0.66	0.47	-0.46	-0.26	0.09	0.59	0.1745	0.135	-0.17	0.666463	0.407812	0.731782	1	0.99961	0.882624	
Amk3_S4R162_714218v1	0.59	-2.45	-1.54	-2.24	-0.4	-1.93	-0.64	-1.38	-0.25	-1.05	-1.27	-0.29	-0.18	-0.28	-2.37	-4.22	0.6175	0.099	-0.49	0.45705	0.243827	0.000797	1	0.99961	0.786969	
Amk3_S4R162_714219v1	0.73	0.23	-0.51	0.71	1.65	-0.17	0.5	0.85	0.62	-0.05	0.66	0.47	-0.46	-0.26	0.09	0.59	0.1745	0.135	-0.17	0.666463	0.407812	0.731782	1	0.99961	0.882624	
Amk3_S4R162_714220v1	0.59	-2.45	-1.54	-2.24	-0.4	-1.93	-0.64	-1.38	-0.25	-1.05	-1.27	-0.29	-0.18	-0.28	-2.37	-4.22	0.6175	0.099	-0.49	0.45705	0.243827	0.000797	1	0.99961	0.786969	
Amk3_S4R162_714221v1	0.73	0.23	-0.51	0.71	1.65	-0.17	0.5	0.85	0.62	-0.05	0.66	0.47	-0.46	-0.26	0.09	0.59	0.1745	0.135	-0.17	0.666463	0.407812	0.731782	1	0.99961	0.882624	
Amk3_S4R162_714222v1	0.59	-2.45	-1.54	-2.24	-0.4	-1.93	-0.64	-1.38	-0.25	-1.05	-1.27	-0.29	-0.18	-0.28	-2.37	-4.22	0.6175	0.099	-0.49	0.45705	0.243827	0.000797	1	0.99961	0.786969	
Amk3_S4R162_714223v1	0.73	0.23	-0.51	0.71	1.65	-0.17	0.5	0.85	0.62	-0.05	0.66	0.47	-0.46	-0.26	0.09	0.59	0.1745	0.135	-0.17	0.666463	0.407812	0.731782	1	0.99961	0.882624	
Amk3_S4R162_714224v1	0.59	-2.45	-1.54	-2.24	-0.4	-1.93	-0.64	-1.38	-0.25	-1.05	-1.27	-0.29	-0.18	-0.28	-2.37	-4.22	0.6175	0.099	-0.49	0.45705	0.243827	0.000797	1	0.99961	0.786969	
Amk3_S4R162_714225v1	0.73	0.23	-0.51	0.71	1.65	-0.17	0.5	0.85	0.62	-0.05	0.66	0.47	-0.46	-0.26	0.09	0.59	0.1745	0.135	-0.17	0.666463	0.407812	0.731782	1	0.99961	0.882624	
Amk3_S4R162_714226v1	0.59	-2.45	-1.54	-2.24	-0.4	-1.93	-0.64	-1.38	-0.25	-1.05	-1.27	-0.29	-0.18	-0.28	-2.37	-4.22	0.6175	0.099	-0.49	0.45705	0.243827	0.000797	1	0.99961	0.786969	
Amk3_S4R162_714227v1	0.73	0.23	-0.51	0.71	1.65	-0.17	0.5	0.85	0.62	-0.05	0.66	0.47	-0.46	-0.26	0.09	0.59	0.1745	0.135	-0.17	0.666463	0.407812	0.731782	1	0.99961	0.882624	
Amk3_S4R162_714228v1	0.59	-2.45	-1.54	-2.24	-0.4	-1.93	-0.64	-1.38	-0.25	-1.05	-1.27	-0.29	-0.18	-0.28	-2.37	-4.22	0.6175	0.099	-0.49	0.45705	0.243827	0.000797	1	0.99961	0.786969	
Amk3_S4R162_714229v1	0.73	0.23	-0.51	0.71	1.65	-0.17	0.5	0.85	0.62	-0.05	0.66	0.47	-0.46	-0.26	0.09	0.59	0.1745	0.135	-0.17	0.666463	0.407812	0.731782	1	0.99961	0.882624	
Amk3_S4R162_714230v1	0.59	-2.45	-1.54	-2.24	-0.4	-1.93	-0.64	-1.38	-0.25	-1.05	-1.27	-0.29	-0.18	-0.28	-2.37	-4.22	0.6175	0.099	-0.49	0.45705	0.243827	0.000797	1	0.99961	0.786969	
Amk3_S4R162_714231v1	0.73	0.23	-0.51	0.71	1.65	-0.17	0.5	0.85	0.62	-0.05	0.66	0.47	-0.46	-0.26	0.09	0.59	0.1745	0.135	-0.17	0.666463	0.407812	0.731782	1	0.99961	0.882624	
Amk3_S4R162_714232v1	0.59	-2.45	-1.54	-2.24	-0.4	-1.93	-0.64	-1.38	-0.25	-1.05	-1.27	-0.29	-0.18	-0.28	-2.37	-4.22	0.6175	0.099	-0.49	0.45705	0.243827	0.000797	1	0.99961	0.786969	
Amk3_S4R162_714233v1	0.73	0.23	-0.51	0.71	1.65	-0.17	0.5	0.85	0.62	-0.05	0.66	0.47	-0.46	-0.26	0.09	0.59	0.1745	0.135	-0.17	0.666463	0.407812	0.731782	1	0.99961	0.882624	
Amk3_S4R162_714234v1	0.59	-2.45	-1.54	-2.24	-0.4	-1.93	-0.64	-1.38	-0.25	-1.05	-1.27	-0.29	-0.18	-0.28	-2.37	-4.22	0.6175	0.099	-0.49	0.45705	0.243827	0.000797	1	0.99961	0.786969	
Amk3_S4R162_714235v1	0.73	0.23	-0.51	0.71	1.65	-0.17	0.5	0.85	0.62	-0.05	0.66	0.47	-0.46	-0.26	0.09	0.59	0.1745	0.135	-0.17	0.666463						

Atgsp1_Q13UK6_52231.1	1.68	-1.28	0.41	0.48	-1.15	-1.38	-0.38	-2.55	0.83	-0.38	-0.45	-2	-2.06	-0.16	-0.34	-0.75	-0.96	-1.4625	0.006184	0.35416	0.255805	1	0.999961	0.509355	
Atgsp1_Q5WAK7_52231.1	-2.06	-6.81	1.21	1.53	-3.43	-4.29	1.76	-0.76	-2.752	-0.13	0.52	0.76	-4.39	-4.27	2.03	0.4	0.2325	-0.11	0.551681	0.910403	0.727128	1	0.999961	0.948772	
Atgsp1_Q5WAK7_5271.1	0.61	0.49	-0.45	0.71	0.63	0.05	0	-0.04	0.31	0.05	0.08	0.45	-0.81	-0.24	-0.15	0.38	-0.18	-0.1175	-0.43	0.294542	0.600205	0.72535	1	0.999961	0.709528
Atgsp1_Q5WAK7_5271.1	0.61	0.49	-0.45	0.71	0.63	0.05	0	-0.04	0.31	0.05	0.08	0.45	-0.81	-0.24	-0.15	0.38	-0.18	-0.1175	-0.43	0.294542	0.600205	0.72535	1	0.999961	0.709528
Atgsp1_Q5WAK7_5488.1	-0.14	0.19	0.05	-0.65	-0.43	0.13	-0.48	-0.43	-0.56	-0.32	0.02	0.03	-0.27	-0.59	-0.19	-0.14	-0.0675	-0.0925	0.766444	0.637885	0.812128	1	0.999961	0.916961	
Atgsp1_Q2J8UW_5199.1	0.08	0.78	0.83	0.48	0.44	0.78	0.2	-0.31	1.16	0.03	-0.22	-0.19	1.76	0.42	1.45	0.46	-0.06	-0.1225	0.27	0.939184	0.428363	0.7657	1	0.999961	0.883305
Atgsp1_Q2J8UW_5199.1	0.08	0.78	0.83	0.48	0.44	0.78	0.2	-0.31	1.16	0.03	-0.22	-0.19	1.76	0.42	1.45	0.46	-0.06	-0.1225	0.27	0.939184	0.428363	0.7657	1	0.999961	0.883305
Atgsp1_Q5WAK7_5661.1	-0.75	0.59	1.17	0.58	0.24	-0.48	0.16	-0.14	-0.22	0.89	0.48	0.71	0.61	0.45	0.07	0.43	-0.4525	-0.4725	-0.0075	0.986006	0.7304	0.36601	1	0.999961	0.959133
Atgsp1_Q5WAK7_5671.1	-0.1	0.4	1.17	0.58	0.06	-0.34	-0.19	-0.07	0.89	0.88	0.62	0.76	0.66	0.77	0.42	0.43	-0.5525	-0.325	0.075	0.85991	0.126827	0.38933	1	0.999961	0.959852
Atgsp1_Q5WAK7_5681.1	0.8	1.31	0.55	1.33	1.35	1.46	0.98	1.6	1.72	1.09	1.81	1.35	1.03	1.88	1.89	1.7	0.35	0.445	0.7775	0.808939	0.24628	0.2063	1	0.999961	0.128485
Atgsp1_Q5WAK7_51009.1	0.8	1.31	0.55	1.33	1.35	1.46	0.98	1.6	1.72	1.09	1.81	1.35	1.03	1.88	1.89	1.7	0.35	0.445	0.7775	0.808939	0.24628	0.2063	1	0.999961	0.128485
Atgsp1_Q5WAK7_51009.1	0.8	1.31	0.55	1.33	1.35	1.46	0.98	1.6	1.72	1.09	1.81	1.35	1.03	1.88	1.89	1.7	0.35	0.445	0.7775	0.808939	0.24628	0.2063	1	0.999961	0.128485
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783	1	0.999961	0.898951
Atgsp1_Q5WAK7_51502.1	0.74	1.19	0.33	0.04	0.6	1.4	0.4	-0.06	1.15	1.21	0.67	0.52	0.5	0.92	0.68	0.63	0.4	0.3325	0.1725	0.7104	0.923121	0.35783			

Asup1_E90M01_S1024_1	-0.08	0.67	0.35	-0.01	0.26	0.41	-0.4	-0.17	0.23	0.13	0.24	0.22	0.32	-0.08	-0.49	0.35	-0.025	-0.0375	-0.0325	0.592604	0.921233	0.904636	1	0.99961	0.97588	
Asup1_E90M01_S481_1	-1.26	-0.01	-2.21	-1.25	-2.97	-2.47	-1.87	-3.76	-2.48	-2.51	-1.43	-2.1	-2.02	-1.77	-1.8	-1.04	-0.85	-1.975	-0.225	0.279484	0.148409	0.678098	1	0.99961	0.96023	
Asup1_E90M01_S650_1	-0.46	0.39	-0.39	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	0.355	0.218995	0.63447	0.83089	1	0.99962	0.97427
Asup1_E90M01_S819_1	-1.35	0.38	-0.23	-0.41	-0.99	-0.29	-1.13	-0.65	-0.25	-0.3	-0.64	-0.28	-0.06	-0.36	-0.54	0.2	-0.3625	0.035	0.2125	0.660678	0.882179	0.928058	1	0.99961	0.985827	
Asup1_E90M01_S833_1	2.01	-1.37	-1.53	-1.41	2.76	0.24	1.75	0.77	-0.95	-0.07	-1.04	-1.32	-0.5	-0.73	-1.03	1.25	-0.4775	-1.025	0.227776	0.199572	0.906409	1	0.99961	0.807995		
Asup1_O3H85_S712_1	-0.91	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-1.51	0.146889	0.376429	0.51698	1	0.99961	0.969681
Asb1_D60R07_S335_1	0.92	0.76	1.25	1.69	0.69	0.76	1.63	0.85	1.3	1.1	1.22	0.33	0.95	1.52	1.22	-1.95	-0.015	-0.315	0.492509	0.568896	0.906869	1	0.99961	0.808945		
Asb1_O99M01_S1078_1	1.43	-0.84	0.64	-0.25	-2.18	-1.4	0.83	-1.44	-1.61	0.45	-0.94	-0.54	-1.22	-1.79	-1.22	-1.08	-1.2925	-0.905	-1.8225	0.005143	0.09882	0.151517	1	0.99961	0.931705	
Ascl_E90M01_S481_1	1.51	2.9	-1.62	-0.35	1.29	1.05	0.63	1.53	0.97	2.53	3.07	3.59	1.45	1.76	-1.38	1.8125	1.35	0.995	0.373508	0.14218	0.046257	1	0.99961	0.740388		
Ascpur1_O3H85_S116_1	1.44	-1.51	-1.54	-1.44	-1.11	-1.26	-1.43	-1.27	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	0.3075	0.183274	0.599675	0.816767	1	0.99961	0.644969
Ascpur1_O3H85_S202_1	1.05	-0.05	-0.75	0.3	0.33	1.85	0	0.35	0.32	0.3	0.01	-0.06	-1.82	1.66	0.35	0.82	0.445	0.045	0.949776	0.738616	0.646601	1	0.99961	0.93892		
Ascl1_Q6137_S752_1	-1.28	-1.12	-1.75	-1.64	-1.01	-1.16	-1.39	-2.61	-0.67	-1.06	-2.01	-1.46	0.16	-0.49	-1	0.7	0.1155	0.3975	1.19	0.100573	0.744511	0.371415	1	0.99961	0.938024	
Ascl1_Q6137_S727_1	-0.05	0.29	-0.62	0.2	0.2	0.2	-0.03	-0.2	-0.03	-0.2	-0.03	-0.2	-0.03	-0.2	-0.03	-0.2	-0.03	-0.2	0.2575	0.454794	0.823868	0.90142	1	0.99962	0.789993	
Ascl1_Q6137_S893_1	1.3	-0.51	0.24	0.3	0.129	-0.62	0.44	-0.92	0.34	1.42	-0.64	-1.25	-0.2	-2.59	-0.86	-2.02	-0.93	-3.65	-1.75	0.104427	0.048683	0.565318	1	0.99961	0.385092	
Ascl1_Q6137_S898_1	1.27	-0.89	-0.08	-0.23	-1.08	0.26	0.57	0.71	0.14	1.5	-0.57	-0.83	-0.35	-1.22	-1.15	-1.67	-0.2575	0.0425	-1.34	0.032911	0.640071	0.945766	1	0.99961	0.44294	
Ascl1_Q95070_S323_1	-1.04	-0.48	-1.16	-0.63	-0.94	-0.43	-0.61	-0.95	-0.82	-0.36	0.06	-0.51	-0.58	-0.08	-0.17	-1.63	0.09	0.42	0.2525	0.553774	0.738578	0.197956	1	0.99961	0.837943	
Ascl1_Q98341_S409_1	1.79	-0.63	0.1	-0.69	0.1	1.56	0.61	1.62	0.86	0.66	1.09	1.23	0.35	-0.38	0.92	0.05	0.205	0.155	0.7575	0.237577	0.714313	0.774807	1	0.99961	0.681701	
Ascl1_Q98341_S253_1	1.56	1.56	0.93	0.98	1.01	2.06	1.6	1.51	2.29	2.36	0.93	0.77	0.64	0.59	0.84	1.5	0.0375	0.33	-0.7025	0.046728	0.92336	0.471768	1	0.99961	0.480102	
Ascl1_Q98341_T238_1	0.42	0.54	0.33	-0.04	0.25	0.31	0.25	0.46	0.43	0.52	0.22	0.1	0.03	0.05	0.43	0.31	0.005	0.005	0.0425	0.885021	0.98402	0.986166	1	0.99961	0.96305	
Atay1_O8H85_S370_1	0.1	-0.7	0.1	-0.89	0.1	0.09	-0.22	0.54	1.07	1.61	-1.45	-0.2	-0.42	-1.17	-1.39	-0.175	-0.025	-1.045	0.112429	0.584411	0.76053	1	0.99961	0.517305		
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04	-1.325	-0.035	0.3825	0.317523	0.61757	0.909215	1	0.99961	0.721033	
Atay1_O8H85_S463_1	-0.91	-1.02	-1.38	-1.35	-1.3	-1.02	-1.43	-1.44	-0.97	-0.84	-1.77	-1.22	-0.01	-0.62	-1.46	-1.04										

Rad_0319H_5481_1	-0.68	-0.28	-0.26	0.32	0.23	0.02	1.34	0.45	-1.27	1.18	0.64	0.56	0.53	0.97	0.4	0.8075	0.61	0.885	0.030064	0.07136	0.929896	1	0.99961	0.44294		
Rad_0319H_5481_2	1.2	0.25	-0.48	0.88	1.12	1.12	0.65	0.71	0.79	0.83	0.25	0.17	0.85	0.76	0.52	1.08	0.4375	0.0475	0.34	0.413415	0.266697	0.008795	1	0.99961	0.768474	
Rad_0319H_5481_3	-0.01	-0.21	-0.51	-0.3	-0.3	-0.42	-0.08	0.12	0.67	0.12	0.67	0.12	0.67	0.12	0.67	0.12	0.67	0.12	0.67	0.12	0.67	0.12	0.67	0.12	0.67	
Rad_0319H_5481_4	0.84	1.33	-0.27	0.77	0.09	1.29	2.8	-0.56	0.75	1.9	0.11	-0.22	0.05	0.37	0.31	-0.36	0.2375	-0.0125	0.57	0.170403	0.740802	0.859168	1	0.99961	0.641637	
Rad_0319H_5481_5	-1.18	-0.12	0.69	-0.06	0.17	0.24	-0.12	0.17	0.2	-0.17	-0.01	0.88	-1.18	1.12	0.82	0.31	0.175	0.1625	0.4	0.562311	0.038968	0.747789	1	0.99961	0.841339	
Rad_0319H_5481_6	0.24	0.17	0.23	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17		
Rad_0319H_5481_7	-0.47	-0.16	-0.33	-0.42	-0.09	0.03	-0.49	-0.22	-0.15	-0.45	-0.02	-0.29	0.85	0.31	-0.27	-0.68	0.1525	0.2625	0.39	0.307571	0.546784	0.784493	1	0.99961	0.717656	
Rad_0319H_5481_8	1.49	0.48	0.18	1.47	0.92	-0.28	0.72	0.9	0.39	0.7	0.82	0.53	1.29	-0.06	0.48	0.45	-0.47	-0.44	0.525	0.895	0.0471	0.181369	0.22254	1	0.99961	0.538997
Rad_0319H_5481_9	1.52	1.77	1.52	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17		
Rad_0319H_5481_10	-0.53	-1.58	-0.2	-0.47	-0.76	-0.96	-0.92	-0.73	-0.76	-0.57	-1.43	-0.31	-0.16	-0.02	0.13	-0.37	-1.475	-0.0725	0.525	0.681396	0.688156	0.859526	1	0.99961	0.637399	
Rad_0319H_5481_11	-0.67	-0.59	-0.47	-0.59	-0.47	-0.59	-0.47	-0.59	-0.47	-0.59	-0.47	-0.59	-0.47	-0.59	-0.47	-0.59	-0.47	-0.59	0.34	0.630207	0.655555	0.610033	1	0.99961	0.808975	
Rad_0319H_5481_12	0.22	0.87	0.55	0.3	0.55	0.33	0.18	0.38	0.32	0.32	0.3	0.8	0.92	0.72	0.5	0.52	0.78	-1.25	0.1025	0.45	0.165182	0.881172	0.795959	1	0.99961	0.862033
Rad_0319H_5481_13	-2.67	-5.99	-4.48	-4.74	-4.88	-4.91	-5.19	-4.03	-5.94	-3.8	-3.97	-2.38	-3.76	-5.17	-4.46	-1.33	-0.2825	0.4475	0.34	0.683072	0.655555	0.610033	1	0.99961	0.808975	
Rad_0319H_5481_14	1.59	1.32	1.05	0.68	-0.71	-1.43	-1.6	-0.22	-1.17	0.79	0.15	-0.12	-1.4	-0.95	0.12	-0.45	-0.5875	-1.23	0.0735	0.552676	0.703832	0.848444	1	0.99961	0.539296	
Rad_0319H_5481_15	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18		
Rad_0319H_5481_16	-1.58	-1.02	0.1	-1	-1.32	-1.26	-1.13	-0.19	-1.69	-1.37	-0.06	-0.19	-1.04	-1.01	-0.16	-1.575	0.08	0.3925	0.348095							

Bnp3_055003_5796_1	0.25	0.2	-0.21	-0.26	-0.12	0.14	-0.57	-0.54	-0.04	0.25	-0.26	-0.09	0.1	0.54	0.17	-0.29	-0.2675	0.03	0.135	0.664713	0.366499	0.912949	1	0.99961	0.882317
Bnp3_055003_5886_1	-1.54	-0.09	-0.06	-0.52	-0.51	-0.22	-0.73	-0.65	-0.29	-0.4	-0.44	0.12	0.47	0.15	-0.09	0.29	0.025	0.3	0.575	0.077904	0.347200	0.456603	1	0.99961	0.541213
Bnp3_055003_7661_1	0.24	0.16	0.25	0.46	0.25	0.01	-0.08	-0.08	-0.01	0.08	-0.08	-0.18	0.41	0.11	0.17	0.15	0.11	0.11	2.4375	0.03133	0.317334	0.307434	1	0.99962	0.1152
Bnp3_055017_5165_1	-0.45	1.03	0.46	0.45	0.55	1.39	0.12	0.88	1.31	1.09	0.77	0.8	0.94	1.35	1.05	0.69	0.3625	0.62	0.635	0.114253	0.383898	0.3112489	1	0.99961	0.570001
Bnp3_055028_5167_1	0.02	2.64	2.35	1.2	0.99	2.37	0.35	2.3	2.59	2.5	1.44	1.87	2.95	2.73	1.74	1.81	0.05	0.5475	0.755	0.235448	0.942375	0.371287	1	0.99961	0.683031
Bnp3_055035_5189_1	0.16	0.4	0.16	0.4	-0.15	-0.48	-0.15	-0.48	-0.15	-0.48	-0.15	-0.48	-0.15	-0.48	-0.15	-0.48	-0.15	0.21	0.07	0.88616	0.15313	0.48105	1	0.99961	0.805051
Bnp3_055035_5288_1	0.77	0.43	0.14	-0.2	1.04	0.39	0.54	0.69	0.22	1.5	0.62	1.36	1.73	1.54	1.66	0.56	0.065	0.775	0.7725	0.101303	0.363043	0.310741	1	0.99961	0.564448
Bnp3_055035_7280_1	0.33	3.17	1.67	1.43	0.99	2.43	0.53	1.88	1.65	2.41	2.54	1.66	1.24	3.22	0.86	2.81	-0.1925	0.415	0.6075	0.389985	0.766617	0.479494	1	0.99961	0.758901
Bnp3_055059_5816_1	-0.2	0.1	1.2	0.83	0.34	0.91	-0.16	0.34	0.97	1.12	0.63	1.11	0.58	1.22	1.38	1.39	-0.05	0.475	0.645	0.314841	0.900465	0.217854	1	0.99961	0.720205
Bnp3_055062_5559_1	0.24	-0.68	-0.12	0.56	0.73	0.01	-0.08	-0.08	-0.01	0.08	-0.08	-0.18	0.41	0.11	0.17	0.15	0.11	0.11	2.4375	0.03133	0.317334	0.307434	1	0.99962	0.745864
Bnp3_055067_5228_1	0.11	0.33	0.47	-0.07	0.08	0.1	-0.16	-0.02	0.02	0.55	0.61	0.68	0.55	0.72	0.16	0.63	-0.21	0.255	0.3037626	0.175123	0.380056	1	0.99961	0.717565	
Bnp3_055073_5235_1	0.49	0.4	0.97	0.32	0.23	0.19	-0.24	0.41	0.17	1.02	0.83	0.55	1.03	0.63	0.63	-0.3975	0.0625	0.165	0.578562	0.179343	0.380477	1	0.99961	0.846022	
Bnp3_055088_5248_1	0.29	0.24	1.24	0.2	0.73	0.1	-0.12	0.12	0.17	0.77	1.22	0.77	1.22	1.38	0.23	0.22	0.11	0.12	0.22	0.559236	0.752341	0.312312	1	0.99961	0.839217
Bnp3_055088_5714_1	0	-0.12	0.6	0.06	-0.06	-0.16	-0.2	0.2	-0.72	0.06	0.11	-0.06	-0.48	-0.32	0.39	0.36	-0.4	-0.2875	0.1475	0.665784	0.220064	0.370818	1	0.99961	0.826254
Bnp3_055088_5735_1	-0.21	0.59	0.24	-0.31	-0.16	0.24	-0.72	0.01	0.29	-0.37	-0.31	-0.11	0.23	-0.21	0.12	0.36	-0.235	-0.0205	0.475	0.882886	0.485039	0.528293	1	0.99961	0.961505
Bnp3_055088_7384_1	-0.02	0.29	0.21	0.68	-0.21	-0.11	0.12	0.81	0.23	-0.05	0.04	0.36	0.25	0.51	0.54	0.62	-0.1375	-0.145	0.14	0.634735	0.668862	0.601126	1	0.99961	0.876723
Bnp3_055098_7750_1	1	1.07	1.34	-0.17	1.77	1.64	1.53	1.3	0.45	1.09	0.43	1.29	0.56	1.4	0.56	1.61	0.225	-0.1475	0.51575	0.407653	0.624092	0.748076	1	0.99961	0.811683
Bnp3_055098_5866_1	0.03	1.49	1.59	1.4	0.9	0.59	0.87	0.26	2.01	0.57	0.68	2.83	1.35	0.61	1.36	1.53	-0.1475	0.395	0.8843225	0.255844	0.514575	1	0.99961	0.94821	
Bnp3_055098_5866_2	0.05	0.69	0.6	1.52	0.94	0.61	1.07	0.79	1.04	0.59	2.36	1.97	1.07	0.47	0.73	1.58	0.1375	0.75	0.2475	0.546847	0.694603	0.315412	1	0.99961	0.834213
Bnp3_055098_7885_1	0.23	2.73	3.45	0.25	2.97	2.56	0.51	0.49	0.5	0.49	1.5	0.49	1.35	2.45	-0.79	0.25	2.875	0.1575	0.915325	0.423335	0.502815	1	0.99961	0.917265	
Bnp3_055098_5262_1	-0.4	0.2	0.58	0.13	0.07	-0.3	-0.17	-0.08	-0.27	0.08	0.02	0.15	0.49	0.23	-0.2	0.59	-0.2475	-0.1325	0.15	0.65707	0.400826	0.659219	1	0.99961	0.879129
Bnp3_055098_5603_1	-0.69	0.41	1.12	0.62	0.43	0.35	-0.05	0.67	0.2	0.31	0.81	0.93	0.58	1.01	0.67	0.81	0.05	0.1975	0.4025	0.339731	0.970799	0.643327	1	0.99961	0.732291
Bnp3_055098_5454_1	1.11	0.7	1.78	1.74	0.31	1.05	2.26	0.38	0.59	1.31	0.93	0.77	0.51	-0.03	0.86	-1.17	-0.3425	-0.425	-1.29	0.024514	0.410142	0.22885	1	0.99961	0.417261
Bnp3_055098_7164_1	0.03	1.49	1.59	1.4	0.9	0.59	0.87	0.26	2.01	0.57	0.68	2.83	1.35	0.61	1.36	1.53	-0.1475	0.395	0.8843225	0.255844	0.514575	1	0.99961	0.94821	
Bnp3_055098_5656_1	2.06	0.83	1.8	0.33	0.17	0.91	1.26	1.08	0.57	1.64	0.33	0.57	-0.72	0.03	0.22	0.12	-0.4	-0.4775	-1.3425	0.01378	0.388837	0.333353	1	0.99961	0.385092
Bnp3_055098_5454_2	1.06	2.49	2.96	1.75	1.48	2.27	1.34	1.27	1.93	0.88	1.93	1.65	1.39	0.55	1.73	0.54	-0.025	-0.4775	-1.0125	0.03768	0.96336	0.332191	1	0.99961	0.513532
Bnp3_055098_5552_1	1.34	1.04	0.8	0.1	1.02	0.77	0.45	1.16	0.4	1.48	1.18	0.17	1.59	1.25	1.1	0.56	0.325	0.0425	-0.03	0.62523	0.404477	0.452424	1	0.99961	0.575588
Bnp3_055098_5384_1	1.7	0.27	0.08	1.42	1.48	1.26	1.49	1.57	0.39	0.15	0.89	-0.37	-1.48	1.21	0.14	0.47	0.6225	-0.5625	-0.7425	0.263867	0.170126	0.262448	1	0.99961	0.693392
Bnp3_055098_5399_1	-0.21	-0.33	-0.92	-0.1	0.03	-0.13	-0.25	0.05	-0.11	-0.3	-0.54	-0.24	-0.41	-0.16	-0.54	-0.16	-0.315	0.0925	0.2775	0.171483	0.274555	0.750203	1	0.99961	0.771469
Bnp3_055098_5427_1	1.26	-0.51	-0.45	0.03	0.61	0.75	0.65	0.48	0.32	-0.01	-0.01	-0.47	-0.08	0.06	0.78	-0.85	0.54	-0.125	-0.105	0.83537	0.21037	0.77524	1	0.99961	0.944699
Bnp3_055098_5423_1	0.1	-0.32	-0.47	0.06	0.49	0.53	0.41	-0.45	-0.49	0.57	1.08	0.49	1.03	0.64	0.87	0.395	0.0075	0.1	0.158457	0.35048	0.685879	1	0.99961	0.817683	
Bnp3_055098_5431_1	0.43	0.12	-0.82	0.15	0.99	0.39	0.08	0.27	0.25	-0.26	-0.11	-0.32	-1.14	0.6	0.11	-0.1	0.4225	-0.08	-0.1025	0.821394	0.272337	0.815196	1	0.99961	0.938464
Bnp3_055098_5499_1	0.92	2.3	1.78	0.57	0.76	1.48	-0.02	1.13	1.41	2.01	1.04	1.02	0.66	2.53	1.2	0.85	-0.555	-0.0225	0.0825	0.87815	0.266688	0.900033	1	0.99961	0.94244
Bnp3_055098_5508_1	0.17	0.37	-0.64	-0.1	0.75	1.38	0.45	1.16	0.4	1.18	0.32	0.16	0.36	1.16	0.3	0.48	0.21	0.1	0.03523	0.404477	0.452424	1	0.99961	0.575588	
Bnp3_055098_5519_1	-0.73	-0.69	-1.46	-0.35	0.09	0.4	-0.19	-0.37	-0.06	-0.28	-0.41	-0.72	-0.23	0.59	0.4	-0.32	0.975	0.4	0.7175	0.075254	0.17179	0.198394	1	0.99961	0.542521
Bnp3_055098_5519_2	-0.25	-0.06	-1.11	-0.58	0.98	0.9	0.52	0.53	0.23	-0.17	-0.69	0.56	0.01	0.34	1.33	0.87	0.9425	0.7875	0.6775	0.193851	0.310442	0.141217	1	0.99961	0.650692
Bnp3_055098_5527_1	-0.57	-0.65	0.2	-0.57	-0.8	0.33	-0.82	-0.21	-0.84	-0.5	-0.22	0.2	0.07	0.52	0.34	0.56	-0.1425	0.075	0.735	0.044088	0.647486	0.684607	1	0.99961	0.475443
Bnp3_055098_5751_1	1.08	1.58	0.1	1.16	1.16	1.19	1.81	1.33	1.04	1.37	1.09	1.55	1.04	1.07	1.19	1.05	0.1	0.01	0.171015	0.377325	0.580955	1	0.99961	0.746388	
Bnp3_055098_7535_1	-0.53	-0.05	-0.28	0.1	0.21	-0.19	0.21	0.44	-0.2	-0.52	0.34	-0.06	0.05	-0.2	0.31	0.76	0.2525	0.08	0.42	0.215874	0.386778	0.790515	1	0.99961	0.668602
Bnp3_055098_7739_1	1.9	-1.31	1.5	1.21	0.24	-0.57	1.26	0.42	-0.39	1.33	-0.76	0.05	-1.13	0.24	0.85	-0.01	-0.205	-0.7675	-0.8375	0.270928	0.7644	0.32342	1	0.99961	0.698674
Bnp3_055098_5388_1	1.16	0.43	0.31	1.26	1.31	1.65	1.24	1.57	0.87	0.55	1.54	-0.55	-1.25	1.14	0.81	1.29	0.6055	0.8875	-0.2225	0.714304	0.506725	0.811798	1	0.99961	0.910194
Bnp3_055098_5383_1	0.02	-0.12	-0.02	0.14	0.02	0.12	-0.02	-0.02	0.12	-0.02	-0.02	0.12	-0.02	-0.02	0.12	-0.02	-0.02	0.12	-0.02	0.80727	0.641139	0.877844	1	0.99961	0.910194
Bnp3_055098_5384_2	0.17	-0.12	-0.77	-0.4	-0.23	-0.52	-0.88	-0.23	-0.52	-0.54	-0.26	-0.07	-0.23	0.39	0.37	-0.185	-0.0675	0.48	0.162849	0.051723	0.823957	1	0.99961	0.631442	
Bnp3_055098_5417_1	0.44	1.39	0.56	0.45	1.19	0.66	0.31	0.22	0.63	-0.26	0.51	1.1	0.66	0.97	0.53	0.59	0.1005	0.005	0.1975	0.629579	0.805967	0.912605	1	0.99961	0.869651
Bnp3_055098_5462_1	1.47	-0.08	-0.22	0.58	0.12	0.58	0.12	0.58	0.12	0.58	0.12	0.58	0.12	0.58	0.12	0.58	0.12	0.58	0.12	0.36625	0.197455	0.702128	1	0.99961	0.817683
Bnp3_055098_5462_2	1.08	0.64	0.67	0.53	1.52	1.02	0.16	0.02	1.16	0.53	0.25	-0.07	-1.17	1.31	0.05	0.23	0.085	0.075	0.2675	0.646847	0.822267	0.871537	1	0.99961	0.874255
Bnp3_055098_5478_1	-0.59	0.06	-0.6	-0.8	-0.59	0.84	-0.4	0.34	-1.28	-0.7	-0.04	0.37	0.13	-0.39	0.28	0.1									

Ccmk2d_E0Q1T1_5524n_1	-0.49	0.33	-0.45	0.07	-0.52	-1.03	-0.81	-0.32	0.17	-1.04	-0.53	-0.81	-0.01	0.82	-0.1	0.38	0.0025	0.5575	-0.105	0.250925	0.109045	0.265904	1	0.99961	0.689624		
Ccmk2d_E0Q1T1_5526n_1	-0.81	-0.5	0.87	-0.47	-1.05	-0.72	0.16	1.65	-0.61	-0.47	1.84	1.5	-1.53	-1.27	0.59	1.82	-0.6875	-0.5725	-0.7	0.892396	0.996805	0.417485	1	0.99961	0.664221		
Ccmk2d_E0Q1T1_5527n_1	-0.96	1.18	0.31	0.33	0.03	0.37	0.14	0.58	0.14	0.34	0.58	0.58	0.14	0.34	0	0.225	0.49333	0.260182	0.148	0.151	0.28	1.68	0.235	0.475	1	0.99961	0.708299
Ccmk2d_E0Q2T1_5334n_1	1.23	-0.39	-0.38	0.35	0.2	-0.93	0.93	0.2	-0.39	-0.44	0.62	-0.91	-0.12	-0.19	-1.52	0.2	-0.11575	-0.255	0.221691	0.989883	0.328634	1	0.99961	0.687531			
Ccmk2d_E0Q2T1_5349n_1	-0.02	0.71	0.19	1.18	0.05	0.77	0.28	0.42	0.22	-0.25	0.22	0.32	0.27	0.59	0.34	0.88	-0.5675	-0.515	-0.59	0.413787	0.692042	0.616311	1	0.99961	0.760655		
Ccmk2d_E0Q2T1_5370n_1	-1.56	1.06	1.29	0.49	0.16	0.24	0.85	0.16	0.24	0.85	0.16	0.24	0.85	0.16	0.24	0.85	0.16	0.24	0.85	0.16	0.24	0.85	1	0.99961	0.781442		
Ccmk2d_P00814_5337n_1	-0.12	-0.72	-0.83	-1.03	-1.82	-1.82	-1.07	-1.24	-1.88	-2.48	-1.65	-1.6	-0.82	-2.98	-3.57	-1.48	-1.5975	-0.4125	0.32	0.165984	0.873866	0.177334	1	0.99961	0.707864		
Ccmk2d_P00814_5196n_1	-1.18	0.74	-0.49	-0.14	-0.42	2.84	0.04	2.24	-1.05	-1.11	-2.37	-1.95	-0.75	2.93	-0.48	-0.51	0.1	0.12	-0.0325	0.706818	0.155426	0.652521	1	0.99961	0.898087		
Ccmk2d_C0BV0T2_5458n_1	-0.84	0.72	0.32	-0.33	0.38	-0.21	-0.06	-0.26	0.14	-0.6	0.65	0.16	0.29	0.02	-0.23	-0.34	0.1625	0.32	0.7375	0.494935	0.795079	0.760545	1	0.99961	0.797037		
Ccmk2d_C0BV0T2_5459n_1	-1.13	-1.13	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.746039	0.545775	1	0.99961	0.798299			
Ccmk2d_C0BV0T2_5492n_1	-1.81	0.62	-0.37	-0.48	0.23	-0.99	-0.36	-0.12	0.6	-1	-0.35	0.4	0.58	-0.48	-0.84	-0.4	-0.8475	-1.145	-0.6175	0.608026	0.702005	0.834118	1	0.99961	0.888714		
Ccmk2d_C0BV0T2_582n_1	0.26	0.48	0.04	0.63	-0.52	-1.15	-0.18	-0.21	-0.88	-2.83	0.06	0.4	-1.2	0.65	-0.09	-0.5	-1.125	-1.875	-0.26	0.167858	0.420249	0.190929	1	0.99961	0.637399		
Ccmk2d_C0BV0T2_5100n_1	1.89	0.69	0.49	0.24	0.85	0.24	0.85	0.24	0.85	0.24	0.85	0.24	0.85	0.24	0.85	0.24	0.85	0.24	-0.11	0.020935	0.820013	0.626025	1	0.99961	0.819449		
Ccmk2d_C0BV0T2_5129n_1	0.46	0.71	-1.11	-0.44	0.67	0.55	0.17	0.02	0.64	-0.18	-0.54	0.06	-0.81	-0.88	-0.01	0	-0.2475	-0.0675	0.80307	0.602667	0.781727	1	0.99961	0.941293			
Ccmk2d_C0BV0T2_5133n_1	-0.28	0.21	-0.49	0.99	-0.21	0.1	-0.22	0.64	-0.19	-0.86	-0.03	0.52	-0.15	-0.38	0.46	0.23	0.485	0.51	0.305	0.866628	0.93911	0.570553	1	0.99961	0.956432		
Ccmk2d_C0BV0T2_5495n_1	-1.19	-0.06	-0.28	-0.79	0.11	0	-0.16	-0.33	0.08	-0.96	0.5	0.1	0.45	-0.43	-0.62	-0.5	0.35	0.225	0.4476	0.436624	0.152028	0.222794	1	0.99961	0.870748		
Ccmk2d_C0BV0T2_5511n_1	-0.47	1.41	0.66	0.38	0.72	1.35	0.52	1.27	0.71	0.67	1	1.41	0.54	1.28	0.8	0	1.63	0.315	-1.65	0.22697	0.297152	0.511934	1	0.99961	0.678271		
Ccmk2d_C0BV0T2_5522n_1	1.82	-1.11	-0.27	-0.71	-0.91	0.31	0.25	-1.03	-1.74	-1.71	0.57	-0.97	-2.73	-2.38	-0.89	-0.99	-0.0275	0.1875	0.4825	0.065091	0.750784	0.931102	1	0.99961	0.516933		
Ccmk2d_C0BV0T2_5527n_1	0.28	0.95	0.67	0.48	0.45	0.85	0.08	0.89	0.64	0.55	0.57	1.37	0.88	1.45	0.86	1.12	0.46	-0.02	-0.405	0.133434	0.927053	0.549515	1	0.99961	0.60492		
Ccmk2d_C0BV0T2_559n_1	-0.57	-0.16	-0.12	-0.67	0.38	0.48	0.09	0.56	0.39	0.23	-0.22	-0.8	-0.06	-0.12	-0.6	-0.47	-0.16	0.45	0.06	0.462021	0.40891	0.566076	1	0.99961	0.791564		
Ccmk2d_C0JH1L1_5387n_1	-1.47	0.65	0.59	0.5	0.13	0.48	1.15	0.25	1.02	-0.75	1.14	0.78	0.54	-0.65	0.43	0.19	-0.0975	0.31	-0.4775	0.917148	0.417249	0.441182	1	0.99961	0.937198		
Ccmk2d_C0JH1L1_5392n_1	-0.1	-0.24	-0.04	0.05	-0.26	-0.34	0.43	-0.55	0.24	-0.01	0.33	0.35	0.44	-0.87	-0.25	-0.88	-0.3075	-0.205	-1.4425	0.114405	0.738488	0.233541	1	0.99961	0.579001		
Ccmk2d_C0JH1L1_5486n_1	3	0.71	0.72	1.75	0.29	1.2	2.53	0.73	1.31	2.22	1.27	0.56	-0.78	-0.07	0.65	0.61	-0.875	-0.025	-1.2925	0.031416	0.585088	0.727214	1	0.99961	0.444511		
Ccmk2d_C0JH1L1_5486n_2	0.72	1.83	2.17	1.21	0.51	1.98	1.98	0.57	1.99	1.63	1.44	1.21	1.55	0.7	-0.88	0.94	0.0075	-0.815	-0.52	0.050232	0.145416	0.850467	1	0.99961	0.504286		
Ccmk2d_C0JH1L1_5506n_1	3.61	-0.23	-2.4	-0.48	1.51	-0.15	0.8	-1.63	0.14	-0.97	-0.67	-1.26	-1.29	-1.05	-0.68	-1.16	0.3075	-0.2175	0.32	0.47633	0.995809	0.469893	1	0.99961	0.769966		
Ccmk2d_C0JH1L1_5430n_1	-0.81	-0.35	-0.93	-0.65	-0.36	-0.11	-0.78	-0.26	-0.55	-0.87	-1.39	-0.8	-0.26	0.19	-0.7	-0.69	-0.38	-0.8775	-1.8	0.336568	0.222386	0.46931	1	0.99961	0.730499		
Ccmk2d_C0JH1L1_5430n_2	-2.45	-0.35	-0.25	0.36	-0.38	-0.16	-0.1	-0.24	-0.14	-0.34	0.52	1.2	0.39	-0.87	-0.5	0.4425	0.46	0.7575	0.011598	0.570322	0.255597	1	0.99961	0.386923			
Ccmk2d_C0JH1L1_5488n_2	0.54	0.84	-0.83	-0.55	-0.19	-0.77	-0.53	-0.7	0.75	1.09	-0.36	-0.81	0.6	-0.29	-1.62	-0.72	-0.75	0.3	-0.9225	0.213851	0.214604	0.851755	1	0.99961	0.607205		
Ccmk2d_C0JH1L1_5441n_1	1.59	-0.28	1.07	-0.19	-1.52	0.42	0.95	-0.48	-1.2	1.53	-0.32	0.74	0.94	-1.06	-0.88	-0.5	-0.9125	-0.0225	-1.8375	0.143277	0.285217	0.266146	1	0.99961	0.614578		
Ccmk2d_C0JH1L1_5441n_2	1.01	-0.12	2.12	1.18	-0.66	-1.24	1.59	0.52	0.04	1.56	1.36	1.14	-0.53	-0.47	-1	0.84	-0.1575	-0.025	0.215	0.02793	0.237348	0.9663	1	0.99961	0.423977		
Ccmk2d_C0JH1L1_5446n_1	-0.37	-0.3	-0.6	-0.87	-0.46	-0.31	-1.05	-0.13	-0.44	-0.35	-0.8	-0.06	-0.1	-0.45	-0.35	-0.35	-0.05	-0.025	0.34	0.17175	0.57382	0.35027	1	0.99961	0.810449		
Ccmk2d_C0JH1L1_5446n_2	-1.46	-1.78	-1.46	-0.9	-1.39	-1.27	-0.98	-0.83	-1.66	-2.26	-1.74	-1.03	-0.96	-1.17	-1.41	-0.69	0.1925	0.04	0.2625	0.301655	0.8748	0.95491	1	0.99961	0.713499		
Ccmk2d_C0JH1L1_5470n_1	-0.32	0.4	0.38	-0.54	-0.01	0.38	-0.51	-0.03	-0.09	-0.39	-0.52	-0.48	-0.53	0.28	-0.34	0	0.4125	0.1425	0.18	0.385258	0.457008	0.873563	1	0.99961	0.756126		
Ccmk2d_C0JH1L1_5470n_2	-0.52	-0.02	-0.56	0.01	0.6	-0.12	-0.4	-0.4	-0.1	-0.4	-0.1	-0.4	-0.1	-0.4	-0.1	-0.4	-0.1	-0.4	-0.1	-0.4	-0.1	-0.4	1	0.99961	0.730271		
Ccmk2d_C0JH1L1_5513n_1	0.46	-0.93	0.33	-0.42	0.36	-0.4	-0.17	2.26	-0.23	-0.55	-0.09	-0.69	-1.39	-0.54	-0.55	-0.76	0.1475	0.3775	-0.145	0.053026	0.481625	0.247468	1	0.99961	0.490801		
Ccmk2d_C0JH1L1_5540n_1	-0.09	1.11	-0.23	-0.82	1.34	-0.33	0.36	0.82	1.91	-0.9	1.2	0.91	0.71	-0.66	0.13	0.85	-0.235	0.0875	0.125	0.757158	0.755217	0.546192	1	0.99961	0.914382		
Ccmk2d_C0JH1L1_5550n_1	-1.25	-0.02	-0.45	-1.04	-1.6	0.78	-0.97	-0.45	-0.52	-0.61	-1.08	-0.3	0.08	-1.44	-0.42	-0.58	0.7625	0.94	0.4175	0.37749	0.608909	0.83725	1	0.99961	0.930124		
Ccmk2d_C0JH1L1_5550n_2	0.55	1.5	0.55	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	0.99961	0.930124		
Ccmk2d_C0JH1L1_5550n_3	1.43	-1.31	-0.77	1.51	1.09	0.6	0.86	1.17	-0.02	0.19	0.52	0.08	0.39	0.96	0.47	0.94	0.7625	0.945	0.1745	0.69301	0.295566	0.390703	1	0.99961	0.894912		
Ccmk2d_C0JH1L1_5553n_2	-0.53	-0.16	-0.72	-0.62	-0.02	0.58	-0.03	0.49	0.56	0.39	0.65	0.15	0.87	-0.16	-1.47	0.4	0.32	0.0675	-0.605	0.411064	0.021233	0.80804	1	0.99961	0.767937		
Ccmk2d_C0JH1L1_5562n_1	-0.88	-0.13	-1.05	-1.3	0.46	0.86	1.02	0.7	0.5	0.9	1.37	0.89	0.88	-0.11	0	0.185	0.005	-0.0775	0.531286	0.62157	0.913486	0.87809	1	0.99961	0.738069		
Ccmk2d_C0JH1L1_5562n_2	-0.83	-0.09	-0.68	-1.64	-0.17	-0.59	-1.07	-1.02	-0.76	-1.24	-0.85	-0.87	-1.27	-1.74	-0.33	0.1675	0.127	-0.74	0.33279	0.175463	0.98774	0.984231	1	0.99961	0.943231		
Ccmk2d_C0JH1L1_5569n_1	0.97	-0.09	-0.28	-1.13	1.4	0.28	0.7	1.14	0.67	-0.01	1.24	0.04	-0.45	0.83	-0.82	0.2275	0.1125	0.273	0.841496	0.268146	0.772826	1	0.99961	0.947343			
Ccmk2d_C0JH1L1_5570n_1	0.63	0.57	1.25	1.16	0.82	1.51	0.91	1.28	0.56	0.82	1.3	1.38	0.17	1.01	1.66	1.72	-0.1325	0.0225	0.1475	0.571928	0.456487	0.727187	1	0.99961	0.844031		
Ccmk2d_C0JH1L1_5570n_2	0.55	1.5	0.55	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	0.99961	0.940515		
Ccmk2d_C0JH1L1_5570n_3	0.27	0.09	0.73	0.64	0.68	0.09	0.46	0.68	0.21	-0.22	0.83	0.45	-0.84	-0.37	0.47	0.7	-0.0725	0.31	0.5325	0.525001	0.937674	0.723229	1	0.99961	0.827277		
Ccmk2d_C0JH1L1_5580n_1	-0.13	-0.95	0.3	-0.14	0.45	0.43	0.4	0.21	0.49	0.																	

Codet8a_E0C032_S550a_1	-2.06	-5.37	2.22	1.83	-3.67	-5.8	1.66	0.95	-4.49	-3.34	1.4	1.38	-2.79	-4.41	1.62	1.62	0.225	0.05	-0.4325	0.941344	0.685794	0.814902	1	0.99961	0.81286
Codet8a_E0C032_S570a_1	2.8	2.76	2.31	1.62	1.49	2.65	4.05	2	1.89	2.5	2.31	2.39	2.08	1.8	2.63	1.05	-0.9525	0.05	-1.77	0.123973	0.687514	0.88111	1	0.99961	0.72428
Codet8a_E0C032_S580a_1	1.86	1.7	0.74	0.23	-0.92	0.69	-0.17	1.7	-1.47	-1.34	0.16	-1.47	-1.34	0.16	-1.47	-1.34	0.16	-1.47	-1.34	0.16	-1.47	-1.34	1	0.99961	0.12126
Codet8a_E0C032_S590a_1	0.21	1.43	0.83	-1.12	2.24	0.06	1.34	-0.63	1.4	-0.22	1.47	3.11	0.43	0.66	1.8	0.43	0.13	0.9925	0.525	0.12748	0.57693	0.80577	1	0.99961	0.59788
Codet8a_E0C032_S610a_1	-1.04	0.04	0	-0.71	-0.35	0.133	-0.58	0.07	-0.13	-0.79	-0.28	0.8	0.66	-0.09	0.05	-0.23	0.64	0.5075	0.2475	0.110118	0.702065	0.370965	1	0.99961	0.64376
Codet8a_E0C032_S620a_1	1.2	1.16	0.47	1.2	1.16	0.47	1.2	1.16	0.47	1.2	1.16	0.47	1.2	1.16	0.47	1.2	1.16	0.47	1.2	1.16	0.47	1.2	1	0.99961	0.70206
Codet8a_E0C032_S650a_1	1.8	-0.74	0.47	1.26	0.55	1.16	1.4	0.09	0.85	1.39	0.41	0.71	-0.86	0.36	0.44	-0.09	-0.2675	0.13	0.3575	0.221404	0.85746	0.794354	1	0.99961	0.67397
Codet8a_E0C032_S690a_1	-0.34	0.1	-0.19	-0.06	-0.22	0.38	-0.45	-0.51	-0.22	0.12	0.08	0.05	0.58	0.31	-0.47	0.52	0.33	-0.4175	-0.8875	0.295721	0.289148	0.613443	1	0.99961	0.70891
Codet8a_E0C032_S730a_1	1	0.32	-0.84	-0.11	0.55	0.67	0.13	0.34	-0.37	0.32	0.62	-1.23	-0.01	-0.44	-2.63	-0.95	0.10	-0.1075	0.54	0.217936	0.424841	0.421086	1	0.99961	0.68695
Codet8a_E0C032_S750a_1	-1.17	-1.05	0.23	-0.92	0.69	-0.43	0.01	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	0.238931	0.638489	0.831649	1	0.99961	0.68695
Codet8a_E0C032_S760a_1	1.67	-0.71	-1.17	-0.68	-1.24	-0.44	0.04	-1.13	-0.66	1.45	-1.76	-1.44	-2.1	-0.92	-1.24	-1.74	-0.07	0.02	0.08	0.042228	0.046232	0.653917	1	0.99961	0.51489
Codet8a_E0C032_S770a_1	-0.6	0.15	-0.02	0.32	-0.63	0.24	-0.22	0.66	-0.15	-0.95	0	0.87	0.54	0.39	0.08	-0.84	-0.14	-0.1725	0.345	0.839865	0.846372	0.96264	1	0.99961	0.94365
Codet8a_E0C032_S780a_1	-1.08	0.17	1.08	0.17	1.08	0.17	1.08	0.17	1.08	0.17	1.08	0.17	1.08	0.17	1.08	0.17	1.08	0.17	-1.175	0.367529	0.71116	0.520202	1	0.99961	0.74698
Codet8a_E0C032_S801a_1	2.73	0.52	0.57	1.38	0.34	1.53	2.75	-0.34	-0.57	2.54	-0.11	-0.85	-2.8	-0.09	-0.09	-0.33	-0.2475	0.4075	0.92	0.015292	0.759486	0.434362	1	0.99961	0.38832
Codet8a_E0C032_S810a_1	-0.89	-0.59	0.64	-0.65	-0.51	-0.16	-1.11	0	-0.52	0.46	-0.11	-0.98	0.54	-0.35	1.19	-0.47	-0.2675	-0.475	-1.0575	0.047306	0.432576	0.263661	1	0.99961	0.480102
Codet8a_E0C032_S820a_1	-0.21	-0.72	0.47	-0.2	-0.47	-0.46	-0.19	-0.61	-1.38	0.36	-0.14	-1.71	1.6	-0.66	-0.32	0.22	0.825	0.3475	0.019506	0.401366	0.340266	1	0.99961	0.391608	
Codet8a_E0C032_S840a_1	-0.78	-0.38	-0.22	-0.36	-0.62	-0.61	0.44	-0.31	-0.56	0.17	0.54	-0.38	-0.01	-0.1	-0.15	-0.025	-0.005	0.52	0.223884	0.487075	0.249351	1	0.99961	0.679038	
Codet8a_E0C032_S850a_1	-0.9	-1.04	-0.96	-0.87	-1.28	-0.74	-1.06	-0.82	-1.71	-0.46	-0.91	-0.71	-0.02	-0.63	-0.36	-0.68	-0.27	0.5775	0.845	0.091821	0.86339	0.987798	1	0.99961	0.557085
Codet8a_E0C032_S860a_1	-0.12	-0.48	-0.25	-2.52	0.67	0.56	-0.91	-1.49	0.52	0.28	-0.9	-0.96	1.29	0.23	-1.39	-1.56	-0.1505	-0.025	0.0775	0.534969	0.67822	0.362745	1	0.99961	0.828951
Codet8a_E0C032_S870a_1	0.46	1.25	0.95	0.85	0.09	0.11	0.12	0.1	0.8	0.75	0.29	1.12	1.35	1.18	1.09	-0.6775	-0.29	0.285	0.875734	0.762525	0.946932	1	0.99961	0.410003	
Codet8a_E0C032_S880a_1	1.99	-1.72	-0.44	-0.77	-2.17	-0.83	1.97	-2.62	-2.31	1.78	-1.89	-2.33	1.65	-1.95	-2.01	-3.71	0.1625	0.2825	0.4875	0.024837	0.546685	0.392547	1	0.99961	0.418003
Codet8a_E0C032_S890a_1	-0.5	0.62	0.16	-0.34	-0.17	-0.02	0.17	0.62	0.09	0.34	-0.1	0.75	0.56	0.81	0.27	0.25	-0.17	0.0075	-0.19	0.180918	0.630491	0.43052	1	0.99961	0.64376
Codet8a_E0C032_S920a_1	1.02	0.85	1.15	0.41	0.47	1.08	0.72	0.48	0.35	1.46	0.65	1	0.2	0.73	0.74	1	0.0925	0.435	0.6675	0.559391	0.59334	0.981266	1	0.99961	0.837952
Codet8a_E0C032_S940a_1	0.12	0.13	1.71	0.61	0.52	0.12	0.91	1.47	0.62	0.65	1.56	1.76	0.91	0.53	1.94	1.84	-0.3575	0.8575	0.485	0.156714	0.636099	0.363003	1	0.99961	0.613273
Codet8a_E0C032_S950a_1	0.48	1.9	1.94	1.81	0.76	1.27	1.03	1.64	1.93	1.12	2.24	2.27	1.5	1.87	2.16	2.54	-2.975	0.07	-0.195	0.276069	0.383712	0.422897	1	0.99961	0.69674
Codet8a_E0C032_S980a_1	1.23	0.93	1.79	1.24	0.47	1.07	1.07	1.43	1.17	1.81	1.4	1.09	0.79	0.95	1.37	1.3	-0.4575	0.1025	0.1	0.540002	0.393997	0.821095	1	0.99961	0.831295
Codet8a_E0C032_S990a_1	0.12	0.93	0.98	0.67	0.76	0.67	0.19	0.6	0.49	1.16	1.14	1.07	0.81	1.71	0.81	1.3	2.875	0.05	0.75	0.025927	0.248017	0.828032	1	0.99961	0.94209
Codet8a_E0C032_S000a_1	0.96	4.51	2.42	0.74	4.62	3.57	2.9	0.98	0.73	2.76	3.43	4.38	7.42	0.95	1.13	0	-0.255	-0.025	0.29	0.515584	0.301524	0.09133	1	0.99961	0.819449
Codet8a_E0C032_S010a_1	0.69	1.07	0.73	0.48	0.46	0.58	-0.14	0.77	1.01	0.68	1.01	0.18	0.82	1.25	0.47	1.59	-1.2075	-0.365	-1.7375	0.401787	0.358234	0.940933	1	0.99961	0.763221
Codet8a_E0C032_S020a_1	2.87	0.87	1.58	1.09	0.81	0.48	1.76	0.09	0.88	1.87	0.99	1.81	0.33	-0.29	0.55	-0.53	0.7675	-0.845	-0.8325	0.004223	0.002239	0.476465	1	0.99961	0.351308
Codet8a_E0C032_S030a_1	0.4	-1.47	0.4	-1.47	0.4	-1.47	0.4	-1.47	0.4	-1.47	0.4	-1.47	0.4	-1.47	0.4	-1.47	0.4	-1.47	0.4	-1.47	0.4	-1.47	1	0.99961	0.70206
Codet8a_E0C032_S040a_1	-0.72	-0.4	0.07	-0.89	-1.06	-1.06	-1.23	-0.4	-1.43	-0.7	-0.21	-0.09	0.2	-0.28	-0.13	-0.2425	-0.0075	0.37	0.12885	0.20273	0.811668	1	0.99961	0.59942	
Codet8a_E0C032_S050a_1	-0.72	-0.78	-0.59	-1.01	-0.87	-0.91	-1.35	-0.84	-1.02	-0.61	-0.84	-0.66	0.06	-0.54	-0.76	-0.38	-0.1825	0.09	0.1375	0.235787	0.354338	0.976786	1	0.99961	0.683301
Codet8a_E0C032_S060a_1	-0.41	0.63	0.01	-0.36	0.03	-0.01	0.37	-0.4	0.14	-0.56	0.1	0.67	-0.05	0.44	-2.33	-0.5825	-0.425	-0.7	-0.78181	0.608924	0.12243	1	0.99961	0.62263	
Codet8a_E0C032_S070a_1	0.59	-0.16	1.15	-0.25	-0.35	-0.42	-0.62	-0.45	0.2	1.65	-0.35	0.4	0.76	-0.39	0.56	0.18	-0.405	-0.4025	-0.52	0.897409	0.717314	0.770985	1	0.99961	0.966758
Codet8a_E0C032_S080a_1	0.63	-0.32	-0.79	1.12	0.91	-0.12	1	0.47	-0.38	-0.73	0.13	0.01	-0.79	-0.25	0.76	0.36	0.215	-0.295	0.455	0.305526	0.406752	0.394723	1	0.99961	0.716337
Codet8a_E0C032_S090a_1	-0.63	0.76	0.5	-0.45	-0.08	0.96	-0.24	0.4	0.29	-0.59	-0.22	-0.48	0.87	-1.11	0.13	-0.11	0.175	-0.1285	0.4275	0.324484	0.461435	0.973286	1	0.99961	0.72463
Codet8a_E0C032_S100a_1	-0.12	1.77	0.64	0.06	0.79	0.44	0.1	0.85	0.3	-0.29	0.18	-0.46	0.16	0.12	0.12	0.12	0.12	0.12	0.4575	0.33444	0.746756	0.712134	1	0.99961	0.70124
Codet8a_E0C032_S110a_1	-0.57	-0.63	-0.73	-0.73	-0.62	-0.59	-1.53	-0.6	-0.52	-0.14	-0.24	-0.2	0.3	-0.44	-0.52	-0.17	-0.255	0.175	0.4825	0.147566	0.57283	0.138745	1	0.99961	0.620119
Codet8a_E0C032_S120a_1	-0.82	-0.22	-0.26	-0.69	-0.59	-0.76	-1.18	-0.48	-0.49	-0.42	-0.35	-0.03	0.22	-0.27	0.21	0.1025	-0.12025	-0.1725	0.2475	0.135154	0.386817	0.33577	1	0.99961	0.607096
Codet8a_E0C032_S130a_1	-1.12	-0.02	-0.05	-0.04	-0.15	-0.52	-0.38	-0.87	-0.05	-0.49	-0.41	0.05	0.3	-0.59	0.1	-0.8775	-0.805	-1.795	0.515841	0.779746	0.433595	1	0.99961	0.818449	
Codet8a_E0C032_S140a_1	1.59	0.9	0.92	0.12	0.97	0.54	1.62	1.57	0.1	0.73	-0.73	-0.73	-0.73	-0.73	-0.73	-0.73	-0.73	-0.73	0.19	0.007551	0.318751	0.28748	1	0.99961	0.35129
Codet8a_E0C032_S150a_1	0.98	0.51	-0.26	0.48	1.3	1.87	0.31	1.28	0.06	0.09	-0.57	0.14	0.18	0.86	0.58	0.61	-0.88	-0.2	-0.9625	0.704048	0.890389	0.174078	1	0.99961	0.897149
Codet8a_E0C032_S160a_1	0.91	2.33	1.77	0.74	1.58	0.5	0.79	-0.64	1.75	1.33	0.55	0.82	1.44	0.97	-1.49	0.98	0.92	2.1525	-1.12	0.177822	0.130706	0.639687	1	0.99961	0.642116
Codet8a_E0C032_S170a_1	0.06	2.22	2.27	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.1204	0.470611	0.28342	1	0.99961	0.71966
Codet8a_E0C032_S180a_1	-0.71	-0.01	-0.98	-0.97	-0.16	-1.05	-1.23	-1.44	-0.75	-0.86	-1.18	-0.87	-0.91	-0.92	-2.23	-1.31	0.185	0.0575	-0.0125	0.260222	0.378091	0.992346	1	0.99961	0.692624
Codet8a_E0C032_S190a_1	0.02	0.25	-1.94	-0.12	0.14	-0.12	-0.34	-0.73	-0.1	-0.01	-0.62	-0.83	-1.25	0.2	-0.79	0	-0.6425	-0							

Chr_BLAHOB_S1058_1	0.007	0.91	-0.06	-0.25	0.36	0.78	-0.5	-0.11	0.7	0.61	-0.32	-0.33	1.2	0.73	0.01	0.51	-0.4725	-0.315	0.225	0.266977	0.928088	0.949661	1	0.999631	0.695664	
Chr_C08805_S676_1	-0.59	0.16	0.96	0.77	-0.9	-0.2	0.18	0.33	-0.48	-0.59	0.62	-0.49	0.38	-0.11	1.1	0.83	0.268	0.6575	0.59	0.612661	0.9201	0.488127	1	0.999631	0.860355	
Chr_C08805_S678_1	-1.36	0.32	0.39	0.32	0.39	0.32	0.39	0.32	0.39	0.32	0.39	0.32	0.39	0.32	0.39	0.32	0.39	0.32	0.39	0.32	0.39	0.32	0.39	0.32	0.39	
Chr_C08805_S7235_1	-1.18	0.34	0.3	-1.79	0.47	0.37	0.39	-2.96	0.47	-2.02	1.11	1.07	1.1	-0.54	-1.45	-1.31	0.7575	-1.8575	0.8	0.962686	0.863571	0.367157	1	0.999631	0.987129	
Chr_C08805_S7802_1	-2.92	-1.55	-1.91	-2.89	-1.67	-0.53	-2.09	-1.95	-5.11	-3.38	-2.57	-5.64	-1.52	-0.41	-2.25	-1.89	-0.975	-0.12	-0.0875	0.136298	0.133033	0.024801	1	0.999631	0.609451	
Chr_C08805_S8287_1	0.12	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
Chr_C08805_S843_1	-1.75	0.94	5.55	1.8	5.94	8.42	-5.04	1.95	5.1	2.97	8.5	2.97	8.5	-0.24	-0.49	0.12	-0.0675	-0.465	-1.395	0.85	0.122217	0.279975	1	0.999631	0.912488	
Chr_C08805_S843_1	3.76	0.63	0.19	1.41	1.99	0.97	1.77	0.99	1.46	1.51	0.6	0.56	0.91	0.4	0.98	0.06	-0.155	-0.4025	-0.4875	0.097363	0.926889	0.534275	1	0.999631	0.559562	
Chr_C08805_S850_1	0.76	1.21	1.26	1.18	1.82	1.03	0.9	1.66	0.85	1.66	1.6	0.71	-0.19	1.27	0.87	1.13	0.5275	0.0325	-0.2125	0.252896	0.936781	0.284188	1	0.999631	0.684432	
Chr_C08805_S850_1	0.4	1.83	0.3	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39		
Chr_C08805_S850_1	0.4	-0.26	-1.06	-0.44	0.27	-0.33	0.07	-0.69	-1.41	0.32	-0.15	-0.74	0.02	-0.07	0.03	-0.3	1.305	1.355	0.725	0.74597	0.6753	0.379588	1	0.999631	0.799882	
Chr_C08805_S850_1	-1.36	3.17	3.92	0.39	2.66	0.44	2.94	2.99	2.28	0.49	-1.13	-0.22	4.36	4.3	1.05	2.88	0.79	-0.375	-0.0235	-0.86	0.54627	0.246267	0.38968	1	0.999631	0.843139
Chr_C08805_S850_1	0.07	1.07	1.3	0.29	0.26	0.07	0.29	0.26	0.07	0.29	0.26	0.07	0.29	0.26	0.07	0.29	0.26	0.07	0.29	0.26	0.07	0.29	0.26	0.07	0.29	
Chr_C08805_S850_1	-1.77	-5.78	-3.38	-4.6	-5.79	-2.61	-4.24	-7.38	-31.7	-3.53	-4.3	-5.26	-6.3	-4.25	-4.4	0.5925	-0.0025	1.1875	0.106183	0.294449	0.369582	1	0.999631	0.566977		
Chr_C08805_S850_1	-1.03	-1.4	-0.1	-0.22	1.59	1.28	-0.26	-0.45	0.94	-0.52	-0.33	-0.31	-1.72	1.09	1.12	0.61	-0.405	-0.4575	-1.1225	0.032441	0.349965	0.996191	1	0.999631	0.442395	
Chr_C08805_S850_1	-0.8	0.98	1.53	-0.07	-2.01	0.47	0.32	0.24	-0.8	0.3	-0.64	-0.05	0.88	-1.11	-3.6	0.02	-0.2225	0.4825	-1.1025	0.275078	0.999588	0.471996	1	0.999631	0.702037	
Chr_C08805_S850_1	-1.64	-1.16	-0.8	-0.61	-1.21	-0.33	0.73	0.4	-1.7	0.85	0.36	0.91	-2.41	-3.9	-0.03	0.51	0.18	-0.7805	0.311369	0.768884	0.552	1	0.999631	0.714048		
Chr_C08805_S850_1	-0.64	1.55	0.86	1.52	0.98	2.15	1.58	2.82	1.6	1.29	1.2	-0.96	-3.12	1.78	1.8	0.3	0.285	0.0	0.8225	0.457386	0.907477	0.762927	1	0.999631	0.790722	
Chr_C08805_S850_1	-1.28	-0.13	-1.79	-0.66	-1.27	-0.48	-0.64	-0.33	-0.32	-0.12	0.7	0.46	0.45	-0.23	-0.77	-0.02	0.035	0.1725	0.3	0.087764	0.497218	0.939155	1	0.999631	0.553787	
Chr_C08805_S850_1	-2.07	-3.82	-2.2	-1.32	-0.14	-0.51	1.1	0.87	-1.98	-2.1	-2.89	-2.1	-2.89	-2.1	-2.89	-2.1	-2.89	-2.1	-2.89	-2.1	-2.89	-2.1	-2.89	-2.1	-2.89	
Chr_C08805_S850_1	0.39	-2.51	-0.53	-0.34	0.45	-2.46	0.5	0.78	-1.5	-2.96	0.11	0.14	-3.19	-1.22	-0.83	-0.27	-3.9E-17	0.27	0.47	0.294646	0.513009	0.178876	1	0.999631	0.706671	
Chr_C08805_S850_1	-0.38	-0.27	-0.89	-0.83	-0.33	-0.31	-0.97	-0.76	-0.24	-0.19	-0.16	-0.7	0.2	0.11	-0.67	-0.13	0.265	-1.1625	-1.5975	0.172383	1	0.999631	0.642116			
Chr_C08805_S850_1	2.55	-1.75	-0.3	1.82	1.19	1.03	2.76	0.46	-1.64	-1.51	1.07	-0.25	-1.5	-1.09	-3.8	1.1	1.2775	-0.5275	-0.4325	0.097818	0.806375	0.266631	1	0.999631	0.557085	
Chr_C08805_S850_1	-1.69	-1.2	1.6	1.19	1.96	0.3	1.84	0.94	0.21	-2.4	0.75	-0.74	0.52	-0.29	-2.19	0.16	0.5475	0.3925	0.64	0.656551	0.175551	0.656442	1	0.999631	0.879056	
Chr_C08805_S850_1	-0.79	-0.83	-0.01	-1.01	-0.36	-0.63	-0.23	-0.23	0.05	0.01	-0.83	-2.1	0.19	-0.23	-0.49	-0.53	0.2875	0.09	0.285	0.048536	0.045954	0.692522	1	0.999631	0.48433	
Chr_C08805_S850_1	-0.41	-0.8	-1.55	-0.75	-0.29	-0.74	-0.43	-0.9	-0.67	-0.24	-0.85	-1.39	0.73	-1.1	-1.06	-0.45	0.39	0.9325	0.437035	0.384739	0.806637	1	0.999631	0.798057		
Chr_C08805_S850_1	-0.18	-0.2	-0.18	-0.2	-0.18	-0.2	-0.18	-0.2	-0.18	-0.2	-0.18	-0.2	-0.18	-0.2	-0.18	-0.2	-0.18	-0.2	-0.18	-0.2	-0.18	-0.2	-0.18	-0.2	-0.18	
Chr_C08805_S850_1	0.55	1.04	-0.33	-0.18	0.51	1.47	0.07	0.36	1.3	0.89	0.58	0.14	0.18	1.51	0.29	0.24	-0.1525	-0.2075	0.435	0.656434	0.563916	0.466938	1	0.999631	0.879056	
Chr_C08805_S850_1	-0.69	-0.34	-0.5	-0.57	-0.62	-0.6	-1.06	-0.43	-0.38	-0.63	-0.3	0.04	0.11	-0.13	-0.56	0.04	-0.215	-1.6125	-0.6725	0.159767	0.55996	0.447119	1	0.999631	0.627674	
Chr_C08805_S850_1	0.34	-2.11	-0.53	-0.34	0.46	1.82	0.5	0.78	-1.32	-2.43	0.11	0.14	-2.51	-1.72	-0.83	-0.27	0.7975	-0.0225	-1.085	0.394462	0.37375	0.648616	1	0.999631	0.718455	
Chr_C08805_S850_1	2.29	1.28	0.2	1.25	1.25	2.79	1.98	1.82	0.93	1.72	0.73	2.03	1.94	0.87	0.82	0.49	-0.3175	-0.825	0.181843	0.136678	0.97724	1	0.999631	0.668959		
Chr_C08805_S850_1	-1.16	-0.38	-1.42	-0.65	1.39	0.21	0.56	0.23	0.18	-0.6	0.28	-1.12	-1.47	-0.05	-0.98	-0.89	-0.8875	-0.995	-1.14	0.18813	0.427738	0.608089	1	0.999631	0.647379	
Chr_C08805_S850_1	1.31	0.42	1.76	1.27	-0.34	1.18	1.25	0.12	-0.04	0.93	0.03	0.44	-0.59	0.93	0.32	0.59	0.8125	0.9675	0.028036	0.062303	0.027561	1	0.999631	0.423977		
Chr_C08805_S850_1	-0.56	0.7	1.13	-0.65	-0.21	-0.31	0.73	0.4	-1.4	-0.53	-0.24	-0.5	0.49	0.8	0.09	0.2425	0.075	0.217971	0.130823	0.642626	1	0.999631	0.612584			
Chr_C08805_S850_1	0.86	0.21	-0.42	0.96	1.8	0.58	0.75	1.05	1.18	0.17	0.83	0.07	0.58	0.7	-0.16	1.37	-0.38	0.5125	-0.235	0.625475	0.14659	0.548574	1	0.999631	0.86386	
Chr_C08805_S850_1	0.23	0.89	0.59	-0.14	0.22	0.62	0.13	-0.92	0.6	1.35	1.35	0.32	0.78	-0.54	-0.4	0.79	-1.02	0.0275	-0.01	0.509291	0.354877	0.189359	1	0.999631	0.851598	
Chr_C08805_S850_1	0	0.61	-0.33	0.19	-0.51	-1.6	-0.61	-0.89	-0.02	-0.48	-0.48	0.6	0.42	0.2	0.36	-0.55	0.1525	0.3875	-0.0275	0.977374	0.03407	0.979173	1	0.999631	0.991274	
Chr_C08805_S850_1	0.4	0.68	0.13	0.24	0.15	0.51	1.38	0.91	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58		
Chr_C08805_S850_1	1.77	0.83	1.7	1.54	0.04	1.2	1.96	0.93	1.73	1.4	0.6	1.05	0.29	0.79	1.11	0.68	-0.265	-1.92	-1.515	0.050084	0.342665	0.466028	1	0.999631	0.484836	
Chr_C08805_S850_1	0.29	0.16	1.23	0.87	-2.58	1.59	3.35	-0.87	-2.33	0.57	-2.59	-0.78	-1.29	1.05	0.45	-1.62	-0.175	0.3625	0.7275	0.011945	0.816409	0.019007	1	0.999631	0.385092	
Chr_C08805_S850_1	-0.37	-0.62	-0.3	-1.06	-1.28	-0.45	-1.07	-1.25	-0.37	-0.88	-0.8	0.15	-0.21	-0.02	-0.14	-0.35	-0.02	-0.3025	0.3325	0.049553	0.6693	0.333685	1	0.999631	0.487521	
Chr_C08805_S850_1	-0.34	0.24	0.4	0.24	0.4	0.24	0.4	0.24	0.4	0.24	0.4	0.24	0.4	0.24	0.4	0.24	0.4	0.24	0.4	0.24	0.4	0.24	0.4	0.24	0.4	
Chr_C08805_S850_1	-1.66	-0.86	-1.13	-0.78	-0.72	-1.18	-1.32	1.03	-0.4	1.07	-0.62	-0.46	-1.24	-1.04	-0.6	-0.59	0.1325	-0.1225	-0.0025	0.13972	0.997422	0.763573	1	0.999631	0.617178	
Chr_C08805_S850_1	0.76	1.47	1.23	1.55	0.92	1.83	0.86	1.93	1.18	0.93	1.52	0.67	1.34	0.56	1.74	1.53	1.27	0.295	2.9525	0.305	0.994466	0.514496	0.665323	1	0.999631	0.997705
Chr_C08805_S850_1	-1.36	-1.48	-2.5	-1.36	-2.5	-1.36	-2.5	-1.36	-2.5	-1.36	-2.5	-1.36	-2.5	-1.36	-2.5	-1.36	-2.5	-1.36	-2.5	-1.36	-2.5	-1.36	-2.5	-1.36	-2.5	
Chr_C08805_S850_1	0.003	-0.13	-1.42	-0.82	-0.45	-1.17	-1.15	-0.51	-0.13	-0.11	0.03	0.55	0.16	0.57	-0.28	0.32	0.0375	0.3075	0.13	0.156471	0.554487	0.179413	1	0.999631	0.626488	
Chr_C08805_S850_1	-1.51	-0.37	-1.06	-2.58	-0.71	-1.4	-1.45	-1.81	-1.01	-1.07	-1.49	-0.72	-0.52	-0.9	-1.4	-2.18	-0.3375	-0.59	-0.8	0.18204	0.933731	0.520421	1	0.999631	0.968699	
Chr_C08805_S850_1	1.9	0	2.03	1.58	0.13	0.78	1.93	0.29	0.76	1.8	-0.22	0.58	-0.91	0.73	1.49	0.77	0.885	0.11	-0.485	0.217843	0.351973	0.150492	1	0.9		

Cnmbl_C00248_S552s_1	-1.24	0.12	0.11	0.01	-0.21	-0.15	-0.55	-0.39	-0.21	-0.44	0.31	0.51	0.15	-0.13	0.02	0.37	-0.07	0.11	0.135	0.367198	0.759797	0.478528	1	0.999631	0.745796	
Cnmbl_C00248_S679s_1	-0.42	-0.03	-0.41	-0.09	0.09	0.12	-0.17	-0.67	-0.21	-0.19	-0.3	-0.71	-0.68	-0.01	-0.39	-0.23	0.1825	0.4575	0.677401	0.797527	0.18086	1	0.999631	0.887183		
Cnmbl_C00248_T551s_1	-0.12	-0.13	0.39	0.7	0.1	-0.09	-0.56	-0.04	0.06	-0.24	0.09	0.75	0.36	0.48	0.1	0.12	0.7975	0.51631	0.752813	0.463377	1	0.999631	0.744225			
Cnmblp1_C01916_S510s_1	-0.99	-0.83	-0.81	-0.86	-0.93	-0.54	-0.83	-0.94	-0.87	-0.73	-0.02	0.34	0.19	-0.17	-0.66	0.34	0.255	0.2625	0.6025	0.727672	0.875713	0.126485	1	0.999631	0.427977	
Cnmbl_C0C18K_S545s_1	-0.19	0.56	0.08	1	0.61	0.03	0.2	0.59	0.39	0.1	1.66	1.35	1.07	0.5	0.28	1.21	-0.325	-0.805	-1.1775	0.193211	0.475626	0.572147	1	0.999631	0.468866	
Cnmbl_C03099_S510s_1	-0.19	0.56	0.08	1	0.61	0.03	0.2	0.59	0.39	0.1	1.66	1.35	1.07	0.5	0.28	1.21	-0.325	-0.805	-1.1775	0.193211	0.475626	0.572147	1	0.999631	0.468866	
Cnmbl_C03099_S512s_1	1.62	0.48	0.48	0.17	2.1	0.12	0.31	0.76	0.22	-0.07	1.25	-0.64	-0.17	-0.82	-2.34	0.08	-1.01	0.11	0.1875	0.2	0.011548	0.353328	0.25921	1	0.999631	0.385992
Cnmbl_C03099_S536s_1	-0.44	-0.06	0.24	0.47	0.45	0.91	0.04	0.13	0.78	0.9	0.18	-0.02	0.43	0.27	0.27	0.92	-0.31	0.205	0.2675	0.511219	0.719393	0.558086	1	0.999631	0.817687	
Cnmbl_C03099_S539s_1	0.16	0.28	0.17	0.15	-0.11	-0.19	-0.32	-0.19	0.17	0.55	0.25	0.29	0.04	0.12	0.14	1.29	-0.19	-0.525	0.3325	0.471433	0.717977	0.432812	1	0.999631	0.796312	
Cnmbl_C03099_S47s_1	-0.12	0.1	-0.02	-0.09	0.04	-0.56	-0.04	-0.59	0.04	-0.59	0.04	-0.59	0.04	-0.59	0.04	-0.59	0.04	-0.59	0.04	-0.59	0.04	-0.59	0.04	-0.59	0.04	
Cnmbl_C03099_T310s_1	1.61	0.18	0.04	0.29	0.13	0.74	0.61	-0.36	0.5	1.07	-0.62	-1	-0.73	-0.93	-1.27	-1.95	-0.45	0.135	-0.4	0.002931	0.566521	0.331084	1	0.999631	0.313008	
Cnmbl_C03099_S510s_1	0.99	0.74	0.67	1.19	0.48	2.34	0.62	1.97	1.16	1.09	0.83	0.39	2.16	1.09	0.57	-0.1475	-0.455	0.6625	0.938181	0.393439	0.808544	1	0.999631	0.679905		
Cnmbl_C03099_S510s_1	-0.42	-0.68	-0.48	-1.24	-0.09	-1.19	-0.41	-0.24	-0.11	-0.24	-0.11	-0.24	-0.11	-0.24	-0.11	-0.24	-0.11	-0.24	-0.11	-0.24	-0.11	-0.24	-0.11	-0.24		
Cnmbl_C03099_S510s_1	-2.22	-5.36	-2.64	-1.22	-3.77	-4.08	-1.94	-4.09	-4.14	-3.2	-1.08	-1.52	-2.83	-4.81	-1.05	-0.97	-0.63	-30.25	-1.7625	0.346421	0.884892	0.329298	1	0.999631	0.735175	
Cnmbl_C03099_S510s_1	1.47	0.07	0.02	1.19	-0.75	0.36	0.78	0.78	0.62	1.68	0.05	1.03	-1.06	-1.16	-1.26	-0.88	-0.5525	-0.9225	-2.7325	0.001358	0.183966	0.51862	1	0.999631	0.331308	
Cnmbl_C03099_S510s_1	2.15	-0.04	1.3	1.18	0.19	0.48	1.32	0.39	-0.33	1.4	0.07	-0.24	-2.51	-0.44	-1.42	-1.97	-0.4725	-0.7275	-1.2925	0.00004	0.272507	0.122791	1	0.999631	0.351308	
Cnmbl_C03099_S510s_1	0.45	-1.62	0.09	0.68	2	0.73	0.31	-1.28	-1.55	-1.17	-0.48	-1.13	-0.48	-1.13	-0.48	-1.13	-0.48	-1.13	-0.48	-1.13	-0.48	-1.13	-0.48	-1.13		
Cnmbl_C03099_S510s_1	1.46	-0.82	1.3	1.18	-0.73	-0.23	1.32	0.39	-1.03	0.51	0.07	-0.24	-2.71	-1.6	-1.42	-1.97	0.03	-1.05	-0.2	0.000729	0.353943	0.122772	1	0.999631	0.351308	
Cnmbl_C03099_S510s_1	-1.75	-0.61	-0.18	0.07	-0.85	0.87	0.18	-0.45	-1.37	-0.94	-0.56	-0.02	-1.49	-0.61	-0.69	-0.48	-0.0275	-0.4875	-0.3575	0.663899	0.944131	0.825452	1	0.999631	0.888993	
Cnmbl_C03099_S510s_1	-0.79	-0.17	0.51	-0.63	-0.29	0.84	-0.15	-0.67	-0.51	-1.1	-1.16	-1.15	-0.46	-1.09	-1.48	-0.57	0.5225	-0.295	-1.3675	0.565463	0.937344	0.399128	1	0.999631	0.814235	
Cnmbl_C03099_S510s_1	1.2	-0.42	0.83	1.14	0.5	0.79	1.92	1.63	0.14	-0.2	1.32	0.31	-0.91	-0.48	-1	-0.33	-0.45	0.2475	0.15	0.008506	0.29431	0.542618	1	0.999631	0.363244	
Cnmbl_C03099_S510s_1	-0.14	-0.1	-0.02	-0.45	-0.86	-0.68	-0.65	-0.33	-0.17	0.52	-0.05	-0.02	0.99	0.19	-0.87	-0.42	0.0475	-0.0375	-0.2425	0.724615	0.102035	0.384662	1	0.999631	0.905674	
Cnmbl_C03099_S510s_1	-0.19	-0.64	-0.33	-0.69	-0.29	-0.48	-0.65	-0.26	-0.53	-0.33	-0.65	-0.26	-0.53	-0.33	-0.65	-0.26	-0.53	-0.33	-0.65	-0.26	-0.53	-0.33	-0.65	-0.26		
Cnmbl_C03099_S510s_1	-0.45	-0.91	-1.15	-1.31	-1.46	-0.59	-1.05	-1.61	-1.12	-0.38	-0.98	-0.93	-0.65	-0.63	-2.69	-0.82	0.0475	-0.0375	-0.2425	0.724615	0.102035	0.384662	1	0.999631	0.905674	
Cnmbl_C03099_S510s_1	-0.19	-0.64	-0.33	-0.69	-0.29	-0.48	-0.65	-0.26	-0.53	-0.33	-0.65	-0.26	-0.53	-0.33	-0.65	-0.26	-0.53	-0.33	-0.65	-0.26	-0.53	-0.33	-0.65	-0.26		
Cnmbl_C03099_S510s_1	0.65	-0.02	-1.37	-0.69	0.23	-0.5	-0.31	-0.31	-0.11	-0.13	-0.65	-0.72	-0.62	-0.4	-1.97	-1.09	0.2	0.625	0.0075	0.225577	0.763176	0.920988	1	0.999631	0.676382	
Cnmbl_C03099_S510s_1	-0.25	-0.19	-0.25	-0.19	-0.25	-0.19	-0.25	-0.19	-0.25	-0.19	-0.25	-0.19	-0.25	-0.19	-0.25	-0.19	-0.25	-0.19	-0.25	-0.19	-0.25	-0.19	-0.25	-0.19		
Cnmbl_C03099_S510s_1	1.32	-0.32	0.01	-1.31	-0.27	-0.34	0.07	-0.53	-0.15	-1.15	-0.36	-0.66	0.13	-0.39	-0.89	-1.46	0.225	0.15	-0.0975	0.888781	0.480602	0.724247	1	0.999631	0.963055	
Cnmbl_C03099_S510s_1	-1.28	-0.82	-1.31	-1.44	-0.76	-1.07	-1.02	-1.1	-1.35	-1.43	-0.87	-0.6	-0.92	-1	-1.85	-1.47	-0.005	-0.14	-0.1125	0.767907	0.397208	0.628758	1	0.999631	0.917335	
Cnmbl_C03099_S510s_1	0.6	-1.04	-1.28	-0.9	-0.77	-0.3	-1.19	-0.38	-0.46	-0.39	-1.16	-1.17	-0.93	-0.05	-1.36	-0.43	0.145	0.1705	0.2725	0.621082	0.991217	0.726353	1	0.999631	0.938464	
Cnmbl_C03099_S510s_1	0.1	-0.21	-0.1	-0.21	-0.1	-0.21	-0.1	-0.21	-0.1	-0.21	-0.1	-0.21	-0.1	-0.21	-0.1	-0.21	-0.1	-0.21	-0.1	-0.21	-0.1	-0.21	-0.1	-0.21		
Cnmbl_C03099_S510s_1	0.26	-0.46	-0.97	-1.77	-0.23	-0.98	-1.76	-2.38	-0.91	-0.59	-2.96	-2.91	-1.6	-1.53	-2.91	-2.56	0.105	-0.7625	-1.45	0.21298	0.847497	0.73441	1	0.999631	0.666787	
Cnmbl_C03099_S510s_1	0.91	-0.38	-1.29	-0.19	0.8	0.48	0.04	-0.89	-0.92	-1.19	-0.96	-0.93	-2.18	-0.56	-2.46	-1.55	-0.25	-0.0025	-0.1025	0.027271	0.846564	0.131807	1	0.999631	0.421371	
Cnmbl_C03099_S510s_1	-0.15	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1		
Cnmbl_C03099_S510s_1	0.25	0.24	-0.27	0.49	1.24	0.56	0.26	0.78	0.31	-0.46	-0.23	0.82	-0.47	0.44	-0.3	0.01	0.0875	0.04	-0.03	0.433396	0.114226	0.851633	1	0.999631	0.779548	
Cnmbl_C03099_S510s_1	0.1	-0.01	-1.05	-0.39	-0.31	0.2	-0.29	-0.6	0.06	-0.26	-0.06	-0.93	0.22	0.08	-0.94	-0.83	-0.075	0.1725	-0.2325	0.041929	0.798293	0.813645	1	0.999631	0.986129	
Cnmbl_C03099_S510s_1	-2.97	-6.52	-1.82	-2.26	-4.94	-4.49	-1.93	-2.52	-5.28	-3.51	-1.67	-2.42	-4.59	-4.62	-2.6	-2.7	-0.325	-0.625	0.085	0.818889	0.944381	0.879408	1	0.999631	0.938031	
Cnmbl_C03099_S510s_1	-1.61	-1.61	-0.65	-1.49	-1.29	1.84	-1.67	-0.67	-0.51	-1.58	-1.61	-1.58	-1.61	-1.58	-1.61	-1.58	-1.61	-1.58	-1.61	-1.58	-1.61	-1.58	-1.61	-1.58		
Cnmbl_C03099_S510s_1	-1.97	-0.86	-1.18	-2.68	-2.85	-3.08	-2.41	-2.45	-3.2	-2.59	-2.57	-2.61	-2.24	-2.55	-2.71	-2.15	-0.52	-0.135	-0.1575	0.959596	0.223878	0.193833	1	0.999631	0.84338	
Cnmbl_C03099_S510s_1	0.3	-2.83	1.3	0.15	0.1	1.16	0.88	0.58	-0.84	-1.42	0.03	1.09	0.97	-0.33	0.25	-1.08	-0.0325	-0.1075	0.1675	0.741195	0.351554	0.824401	1	0.999631	0.909055	
Cnmbl_C03099_T510s2s_1	-0.68	-1.87	-0.25	-0.29	-2.21	-0.99	-0.51	-0.54	-1.66	-1.06	-0.36	-0.41	-1.26	-1.28	-0.29	0.46	-0.015	-0.0625	0.753224	0.897917	0.831967	1	0.999631	0.913777		
Cnmbl_C03099_T510s2s_1	-0.48	-0.19	0.48	0.19	0.48	0.19	0.48	0.19	0.48	0.19	0.48	0.19	0.48	0.19	0.48	0.19	0.48	0.19	0.48	0.19	0.48	0.19	0.48	0.19		
Cnmbl_C03099_T510s2s_1	-1.49	-0.84	-0.79	-1.94	-4.45	-5.84	-3.44	-2.95	-7.54	-3.25	-1.22	-2.77	-3.22	-4.72	-3.51	-4.77	0.0375	0.0465	0.0275	0.828832	0.909823	0.415141	1	0.999631	0.941583	
Cnmbl_C03099_T510s2s_1	0.33	1.25	1.36	1.31	0.56	1.81	0.97	1.06	1.95	1.89	0.86	1.4	0.81	1.16	1.48	0.91	0.0075	-0.005	0.2225	0.936764	0.920115	0.880561	1	0.999631	0.97939	
Cnmbl_C03099_T510s2s_1	-0.26	-0.57	-0.2	-0.57	-0.2	-0.57	-0.2	-0.57	-0.2	-0.57	-0.2	-0.57	-0.2	-0.57	-0.2	-0.57	-0.2	-0.57	-0.2	-0.57	-0.2	-0.57	-0.2	-0.57		
Cnmbl_C03099_T510s2s_1	-0.75	-0.27	-0.42	-0.87	-0.49	-0.39	-1.1	-0.5	-0.68	-0.6	-0.73	-0.44	-0.19	-0.45	-0.49	-0.11	0.04	0.015	-0.175	0.365979	0.924285	0.298352	1	0.999631	0.745796	
Cnmbl_C03099_T510s2s_1	-0.35	-0.32	-0.81	-1.07	-0.27	-0.09	-1.21	-1.14	-0.47	-1.4	-1.06	-0.82	-0.05	-0.18	-0.79	-0.86	0.66	-0.1425	-0.3375	0.625085	0.912492	0.963337	1	0.999631	0.863768	
Cnmbl_C03099_T510s2s_1	0.41	-1.38	-0.77	-1.37	0.81	0.74	1.08	1.12	-0.65	-1.97	-0.87	-1.39	-0.97	-0.8												

Dckr1_O8H1M_S3079_2	-0.49	-0.2	0.4	-0.14	-1.43	-0.38	-0.76	-0.23	-0.4	0.2	-0.04	-0.23	0.43	0.68	0.2	1.19	-0.5925	-0.01	0.7325	0.055218	0.118075	0.974983	1	0.99961	0.402913
Dckr1_O8H1M_S3229_2	-0.49	-0.2	0.4	-0.14	-1.43	-0.38	-0.76	-0.23	-0.4	0.2	-0.04	-0.23	0.43	0.68	0.2	1.19	-0.5925	0.355	-0.46	0.055218	0.118075	0.974983	1	0.99961	0.402913
Dckr1_O8H1M_S331_1	-0.2	0.12	-0.07	0.02	-0.27	0.14	-0.07	0.02	0.13	-0.02	0.27	0.13	-0.07	0.02	0.13	-0.02	0.13	-0.02	0.13	0.087713	0.902278	0.92867	1	0.99961	0.412455
Dckr1_O8H1M_S3639_1	0.41	0.62	1.44	-0.25	0.25	-0.2	-0.09	0.53	-0.02	0.15	1	0.59	0.45	0.06	0.89	1	-0.0005	-0.0025	0.786413	0.088861	0.851741	1	0.99961	0.923689	
Dckr1_O8H1M_S3646_1	-0.38	-0.45	-0.17	-0.1	-0.57	-0.93	-0.14	0.22	-0.86	-0.9	0.14	0.22	-0.79	-0.58	-0.19	0.36	0.08	0.0205	0.3325	0.949624	0.987872	0.83241	1	0.99961	0.981146
Dckr1_O8H1M_S3939_1	-0.15	-0.08	-0.05	-0.02	-0.08	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	0.35	0.636879	0.798023	0.529842	1	0.99961	0.529842
Dckr1_O8H1M_S3969_1	-1.19	-0.35	0.09	-0.34	-0.36	-0.44	-0.44	-0.06	-0.19	-0.91	-0.25	-0.21	0.32	0.14	-0.03	0.32	0.17	0.335	0.425	0.088432	0.708336	0.871429	1	0.99961	0.708336
Dckr1_O8H1M_S3429_1	-1.04	-0.31	-0.47	-0.76	-0.23	0.24	-1.27	-0.07	-0.11	-0.41	-0.13	0.03	0.72	0.33	-0.56	0.75	-0.1625	0.36	0.74	0.360002	0.688429	0.345721	1	0.99961	0.741812
Dckr1_O8H1M_S3779_1	-0.01	0.57	0.43	-0.22	0.14	0.4	-0.49	0.07	0.54	0.75	0.22	0.66	1.52	0.71	0.57	0.93	0.02525	0.7325	-0.4775	0.052363	0.608174	0.240221	1	0.99961	0.489777
Dckr2_O6G9N1_S3489_1	-0.41	0.05	-0.04	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	0.32664	0.022188	0.230458	1	0.99961	0.724879
Dckr2_O6G9N3_S3469_1	-0.35	-0.33	-0.48	-1.21	-0.03	0.2	0.22	-0.11	0.16	-1.44	-0.21	0.32	-0.94	-1.05	-1.88	0.6	0.0125	0.5458	0.525986	0.25884	0.548476	1	0.99961	0.833922	
Dckr2_O6H791_S5429_1	0.94	1.47	-0.33	-0.57	1.95	1.59	0.46	1.05	1.59	0.87	0.31	0.2	0.37	1.65	0.86	0.38	-0.09	-0.12	-0.615	0.747536	0.252932	0.866574	1	0.99961	0.911931
Dckr2_O6H791_T719_1	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	2.8635	0.174114	0.766173	0.492311	1	0.99961	0.644119
Dckr2_E9Q58E_S29_1	4.58	-0.97	-1.13	2	0.44	1.31	2.14	0.36	0.32	-0.51	0	-0.89	-1.41	-0.89	-0.4	-1.57	0.6575	0.0625	-0.095	0.054744	0.962108	0.25878	1	0.99961	0.450666
Dckr2_O8C8BY_S1569_1	0.65	0.31	0.95	1.26	1.1	0.64	0.88	1.18	0.28	0.02	1.4	-0.22	-0.21	0.44	0.72	0.18	0.4175	1.07	0.9675	0.942847	0.176211	0.932939	1	0.99961	0.981629
Dckr2_O8B889_S3069_1	0.47	0.06	-0.42	-0.2	0.44	0.88	0.05	0.21	2.23	2.35	0.06	-0.45	1.09	1.57	0.78	0.34	-0.3975	0.5675	0.825	0.0217	0.205063	0.153441	1	0.99961	0.414424
Dckr2_O8B889_S3329_1	-1.12	-0.89	-0.1	-1.62	-0.02	1.14	-1.57	-1.19	-0.33	-1.14	0.79	0.2	0.76	-1.01	-0.56	-0.2	0.1575	0.4675	0.1775	0.08033	0.243155	0.154705	1	0.99961	0.542579
Dckr2_O8B889_S3329_2	0.36	-0.22	-0.96	0.49	0.26	-0.24	-0.14	0.42	0.45	0.33	0.52	-0.68	0.55	0.01	0.5	0.49	0.2525	0.395	0.687962	0.979117	0.921233	1	0.99961	0.891733	
Dckr2_O8B889_S3369_1	0.72	-0.13	-0.69	0.86	0.48	0.47	0.4	1.37	0.34	0.46	0.4	0.57	0.33	0.72	0.45	0.84	0.215	0.3975	0.595	0.34196	0.266762	0.513973	1	0.99961	0.732447
Dckr2_O3Z9F6_S309_1	2.17	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	0.07	0.239965	0.656545	0.469023	1	0.99961	0.656545
Dckr2_O3W599_S339_1	0.17	-0.09	0.07	0.38	-0.31	-0.38	-0.28	-0.33	0.43	-0.12	0.23	0.51	0.31	0.27	0.19	0.58	0.225	0.3675	0.6225	0.817948	0.081361	0.638217	1	0.99961	0.938303
Dckr2_F8W9P5_S7079_1	-1.19	0.24	-0.26	-0.46	0.16	0.74	-0.97	-0.52	0.6	-0.15	-0.47	-0.18	0.73	0.47	0.19	0.57	-0.1025	0.2775	0.375	0.161896	0.560448	0.358644	1	0.99961	0.631442
Dckr2_F8W9P5_T7109_1	-1.63	0.21	0.53	-0.55	-0.68	-0.57	-0.83	0.23	-0.33	-0.81	0.27	0.54	0.44	0.05	-0.47	0.04	0.1575	0.14	0.79	0.453338	0.383009	0.603421	1	0.99961	0.790041
Dckr2_O8H9V8_S4479_1	-1.33	1.15	0.6	1.7	0.95	-0.02	1.22	0.8	0.76	0.58	1.14	1.58	0.89	1	1.61	-0.1	-0.455	0.07	0.083638	0.732038	0.711337	1	0.99961	0.551238	
Dck2_A2AD99_S1219_1	-1.05	-0.49	-0.09	-0.59	-1	-0.99	-0.76	-0.71	-1.69	-0.39	-0.55	-1.41	-0.82	-0.6	-0.12	-0.4	0.3025	0.1	0.3275	0.827911	0.293848	0.261903	1	0.99961	0.420508
Dck2_A2AD99_S1219_1	-0.4	-0.35	-1.14	-0.85	-0.23	-0.2	-0.67	-0.43	-0.67	-0.73	-0.77	-0.13	0.24	0.58	-1.06	-0.71	0.11	0.1225	-0.07	0.34947	0.310482	0.727699	1	0.99961	0.781881
Dckr2_O8H791_S1339_1	-0.54	-0.22	0.35	0.09	-0.14	-0.1	-0.41	0.13	0.14	0.01	-0.15	0.05	-0.19	-1.06	-0.17	0.05	-0.15	0.834504	0.650976	0.675603	1	0.99961	0.642444		
Dckr2_O8H791_S3549_1	-0.88	-0.72	-0.63	-1.11	-0.89	-1.22	-1.07	-0.74	-0.83	-0.72	-0.92	-0.66	-1.05	-1.27	-0.72	-0.4	0.5725	0.115	0.0825	0.9146	0.457899	0.99222	1	0.99961	0.970595
Dckr2_O8H791_S3889_1	0.02	0.31	0.55	0.35	1.04	0.52	0.38	1.58	0.79	-0.47	0.39	0.98	-0.07	-1.23	-0.91	1.31	-0.01	-0.0975	-0.84	0.873473	0.110604	0.755391	1	0.99961	0.979879
Dckr2_O8H791_S3939_1	0.98	1.98	0.33	1.35	1.75	1.27	1.36	0.2	1.77	0.62	0.75	1.11	-0.47	1.1	-0.21	0.86	-0.005	-0.4075	-0.14339	0.97739	0.81959	1	0.99961	0.579001	
Dckr2_O8H791_S3779_1	-0.43	-0.42	-0.31	-0.41	-0.9	0.48	-0.41	0.35	-1.03	-0.77	-0.28	0.61	-1.15	-0.55	-1.025	-1	0.18559	0.18139	0.88607	0.1	0.2	0.421263	1	0.99961	0.651636
Dckr2_O3U741_S5229_1	2.17	0.66	1.56	1.06	0.4	-0.68	1.91	-0.56	-0.21	1.37	0.4	-0.4	-0.65	-0.86	-0.85	-0.19	-0.2475	0.6675	0.205	0.000402	0.099365	0.137	1	0.99961	0.351308
Dck2_O3U741_S4729_1	0.45	-0.58	1.29	-1.08	-0.84	-0.42	1.02	-0.67	-0.87	0.09	2.06	1.47	-0.21	0.12	0.88	0.11	-0.2	0.1175	-0.365	0.70529	0.68084	0.38352	1	0.99961	0.89781
Dck2_O3U741_S4969_1	0.42	1.32	0.25	0.89	0.14	0.1	0.42	0.13	0.14	0.01	0.34	0.44	-0.33	0.42	0.45	-0.325	0.1275	0.63529	0.617339	0.38174	0.240221	1	0.99961	0.612455	
Dck2_O3U741_S5249_1	0.17	-0.09	-0.04	-0.39	-0.8	-0.08	0.32	-1.57	-0.33	0.39	-1.85	-0.33	-1.33	-1.45	-2.27	-0.5275	-0.425	-0.9725	0.013438	0.30896	0.20588	1	0.99961	0.385092	
Dck23_O3W599_S1089_1	1.48	-0.2	1.22	0.58	-0.18	-0.33	0.8	0.68	-0.17	0.55	0.79	0.18	-0.23	-0.31	-0.16	-0.11	-0.0225	-0.0025	-0.2325	0.033303	0.264019	0.326899	1	0.99961	0.442944
Dck23_F8W9M9_S1269_1	-1.04	-0.2	0.74	0.35	0.24	0.01	0.21	-0.28	-1.08	-1.54	-0.37	0.03	-0.42	-1.19	0.42	0.51	-0.8475	-1.685	-1.53	0.658287	0.136992	0.130074	1	0.99961	0.787076
Dck27_H8H4V8_S1339_1	2.17	1.66	1.88	1.15	1.86	1.03	1.75	0.44	1.27	2.51	1.71	1.73	0.79	0.28	0.45	0.55	0.2395	0.7295	0.195	0.003633	0.434809	0.24523	1	0.99961	0.351308
Dck36_Q62167_S6129_1	-1.04	-0.13	-1.04	-0.75	2.03	1.44	2.58	-1.21	2.59	-6.66	1	0.56	2.05	-2.48	-1.71	-6.44	-0.38	0.27	0.1425	0.085297	0.022161	0.53387	1	0.99961	0.551124
Dck51_O6P9H1_S779_1	-0.1	-0.53	-0.06	-0.22	-0.78	-0.77	-0.07	-0.81	-0.11	0.3	-0.21	0.19	0.26	-0.51	-0.31	0.41	0.5575	0.4475	-0.095	0.660476	0.202961	0.331057	1	0.99961	0.880315
Dck51_O6P9H1_S7799_1	-0.08	-1.21	-0.29	-1.4	-0.52	-0.15	-0.49	-0.29	-0.11	-0.45	-0.72	-1.11	-0.55	-1.41	-0.24	-1.96	-0.3025	0.1	-0.385	0.85059	0.112193	0.32249	1	0.99961	0.956073
Dck59_O6P9H1_S1509_1	0.98	0.69	1.08	0.88	1.75	1.66	0.69	1.72	1.29	1.62	1.62	0.32	1.11	1.34	0.09	0.42	0.43604	0.512864	0.477539	0.775139	0.987539	1	0.99961	0.987539	
Dckr_E8Q9T1_S331_1	-0.93	2	2.1	1.63	1.31	1.49	1.34	1.91	1.97	0.95	1.69	2.12	1.24	0.37	1.33	0.09	-0.2575	0.2825	0.42	0.942101	0.468971	0.538701	1	0.99961	0.800999
Dckr_E8Q9T1_S551_1	0.78	1.78	1.19	1.53	1.09	1.15	0.52	1.49	0.94	1.74	1.78	1.85	1.26	1.95	1.96	-0.04	0.235	0.8875	0.232461	0.488328	0.429212	1	0.99961	0.682446	
Dckr204_A2AD12_S3869_1	0.34	-0.66	0.15	-0.16	-0.43	-0.29	-0.1	0.13	0.5	0.15	0.02	-1.01	-0.45	0.71	-0.36	0.45	0.6275	0.0475	0.0875	0.665822	0.769898	0.510065	1	0.99961	0.828249
Dckr204_O8K382_T7007_1	-0.87	-1.21	-1.6	0.2	0.85	-0.18	0.14	-0.04	-0.32	-0.39	-0.57	-0.27	-0.96	-0.15	-0.44	0.16	-0.565	-0.24	-0.72	0.879618	0.286435	0.932017	1	0.99961	0.962995
Dckr204_O8K382_T7009_1	-0.03	0.53	-0.39	0.22	-0.28	-0.31	-0.33	-0.11	-0.27	-0.75	-0.34	-0.28	-1.29	-0.64	-0.085	-1.075	-0.34	0.068488	0.789299	0.5					

Dmnp2_QDVF59_S8771_1	-1.27	0.73	-0.17	0.08	0.33	-0.4	-0.01	0.36	-0.16	0.14	0.12	0.39	0.32	-0.16	0.62	0.095	-0.4575	-0.6225	0.76454	1	0.862542	1	0.999631	0.846204	
Dmnp2_QDVF59_S8771_1	-1.66	0.66	-1.68	0.86	-1.76	1.54	-0.71	0.03	-0.73	-2.14	-0.77	0.63	-0.71	-1.62	0.71	0.8275	0.69	0.59	0.04418	0.91582	0.63008	1	0.999631	0.781883	
Dmnp2_QDVF59_S8771_1	-1.5	-1.37	-1.26	-1.57	0.38	-0.29	-1.42	0.39	-2.04	0.52	-0.77	0.34	-1.84	-1.41	0.32	-0.11	0.085	0.379994	0.958001	0.17645	1	0.999631	0.752193		
Dmnp2_QDVF59_S8771_1	-0.07	-0.62	-0.19	-0.04	-0.79	-0.29	-0.42	-0.13	-0.26	-0.75	-0.13	-0.26	-0.75	-0.13	-0.26	-0.75	-0.13	-0.26	-0.75	-0.13	-0.26	1	0.999631	0.752193	
Dmnp2_QDVF59_S8771_1	0.78	2.52	2.43	-1.48	1.26	1.30	1.07	1.73	2.13	1.86	1.93	2.1	1.7	2.1	1.96	2.7	0.385	-0.285	-0.4075	0.759473	0.658823	1	0.999631	0.814092	
Dmnp2_QDVF59_S8771_1	0.5	-2.4	-0.46	-0.36	-1.03	-1.27	-0.52	-1.44	-1.2	-0.59	0.86	-1.21	-0.72	-1.6	-0.57	-1.46	0.1975	0.565	0.6255	0.5044	0.51304	0.624191	1	0.999631	0.814836
Dmnp2_QDVF59_S8771_1	0.12	0.17	0.2	0.28	0.52	0.16	0.87	0.01	0.61	0.59	0.35	1.48	0.31	-0.25	1.38	1.61	0.625	-0.285	-0.12385	-0.48876	0.079116	1	0.999631	0.959021	
Dmnp2_QDVF59_S8771_1	0.1	0.07	-0.27	-0.18	-0.37	1.37	-0.87	-0.1	0.18	0.4	0.1	0.84	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	0.999631	0.959021	
Dmnp3_B16506_S4079_1	0.6	0	1.95	0.06	0.28	0.94	0.83	1.58	0.29	0.6	1.49	1.59	0.95	-2.43	1.01	0.86	-1.04	-0.795	-0.385	0.26589	0.78363	0.502571	1	0.999631	0.824261
Dmnp3_B16506_S4079_1	0.79	-1.24	0	-0.74	-1.41	-1.6	-0.4	-1.94	-2.95	0.9	-0.6	-1.72	-0.69	-0.27	-1.15	-0.62	-0.195	0.36	-0.535	-0.4498	0.07699	0.34204	1	0.999631	0.772605
Dmnp3_B16506_S4079_1	0.1	0.64	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	0.999631	0.772605	
Dmnp3_B16506_S4079_1	2.86	0.95	0.91	1.69	0.54	1.1	2.76	0.29	0.67	2.42	1.3	0.5	-0.67	-0.94	-0.36	0.3	0.425	-0.375	0.05	0.003121	0.61145	0.515599	1	0.999631	0.931308
Dmnp3_B16506_S4079_1	0.01	0.91	-0.79	0.6	-0.93	-1.07	-0.89	-1.1	-0.69	-0.59	-1.45	-0.87	-0.02	-0.24	-0.14	0.83	-0.3	-0.3025	0.1	0.891446	-0.04513	0.33666	1	0.999631	0.954233
Dmnp3_B16506_S4079_1	0.73	-0.68	-0.71	-1.08	-0.54	0.95	-1.07	-0.91	-1.12	-1.01	-1.11	-0.07	-0.93	-0.8	-1.14	1.3025	2.4375	-0.8825	-0.71663	0.51914	0.25818	1	0.999631	0.919413	
Dmnp3_B16506_S4079_1	0.59	2.19	2.06	2.4	1.3	-1.2	1.3	-1.2	1.3	-1.2	1.3	-1.2	1.3	-1.2	1.3	-1.2	1.3	-1.2	1.3	-1.2	1.3	1	0.999631	0.919413	
Dmnp3_B16506_S4079_1	0.93	-0.27	-0.45	-1.68	-0.38	0.63	-0.92	-0.86	-0.72	-1.12	-1.01	-0.41	-0.09	-0.3	-0.26	0.15	1.3975	-0.13	-1.1325	-0.86532	0.03174	0.314223	1	0.999631	0.696859
Dmnp3_B16506_S4079_1	0.34	0.81	-1.05	-1.61																					

D0c4c_E9PM02_S024_1	-1.84	-1.78	-1.87	-2.98	-2.52	-0.4	-2.27	-1.8	-2.59	-2.04	-1.34	-4.51	-1.27	-0.86	-2.97	-1.23	-0.21	-0.2275	-0.3325	0.953644	0.479002	0.454995	1	0.99961	0.984441
D0c4c_E9PM07_S001_1	0.05	-1.38	0.52	-0.16	-1.24	-0.64	0.14	-0.07	-0.88	0.05	-0.84	-0.21	-1.68	-1.53	0.61	0.3	0.565	0.02	0.40	0.612604	0.664809	0.619073	1	0.99961	0.850925
D0c4c_E9PM07_S136_1	0.14	-0.14	-0.04	-0.03	-0.03	-0.11	-0.22	-0.08	-0.11	-0.11	-0.23	-0.03	-0.11	-0.13	0.05	0.13	0.086	0.0075	0.102447	0.309976	0.18917	1	0.99961	0.475441	
D0c4c_E9PM07_S281_1	-0.7	-0.49	0.52	-0.11	-0.1	-0.32	-0.76	0.25	-0.92	-0.28	-0.73	-0.93	-0.31	0.33	0.95	-0.1275	-0.1425	-0.6925	0.666885	0.91772	0.986137	1	0.99961	0.882624	
D0c4c_E9PM07_S320_1	1.86	0.2	0.25	0.48	-0.05	1.35	0.54	0.44	1.13	1.87	-0.3	-0.48	-0.35	0.62	-0.07	-0.18	0.05	0.165	0.53	0.143436	0.784753	0.819514	1	0.99961	0.616037
D0c4c_E9PM07_S485_1	-0.6	-0.52	-0.1	-0.2	-0.4	-0.8	-0.3	-0.4	-0.8	-0.3	-0.4	-0.8	-0.3	-0.4	-0.8	-0.3	-0.4	0.795	0.16051	0.9092	0.420263	1	0.99961	0.616037	
D0c4c_E9PM07_S527_1	-1.8	-3.85	-2.7	-2.57	-2.7	-2.95	-3.2	-2.78	-2.26	-1.71	-2.61	-1.51	-1.02	-2.35	-2.46	-1.9	0.28	0.1075	0.1275	0.140667	0.6804	0.51928	1	0.99961	0.612528
D0c4c_E9PM07_S544_1	1.11	1.34	0.16	1.29	1.76	0.9	1.18	1.18	1.81	0.86	0.72	0.94	0.43	1.61	0.93	0.44	0.145	0.3	0.2725	0.75349	0.43907	0.782175	1	0.99961	0.912375
D0c4c_E9PM07_S617_1	0.44	0.32	0.21	0.19	0.35	0.78	0.02	0.59	1	0.83	0.13	0.18	0.66	0.6	0.42	0.77	0.045	0.4625	1.575	0.912692	0.931565	0.814042	1	0.99961	0.720707
D0c4c_E9PM07_S680_1	-0.1	-0.93	-0.52	-0.27	-0.08	-0.1	-0.27	-0.08	-0.1	-0.27	-0.08	-0.1	-0.27	-0.08	-0.1	-0.27	-0.08	0.095	0.043484	0.537236	0.380341	1	0.99961	0.475441	
D0c4c_E9PM07_S688_1	-0.6	1.38	-0.26	-0.58	0.11	-0.41	-0.26	1.15	-0.73	-0.12	0.11	0.44	0.04	-0.59	0.18	0.69	0.15	0.5225	0.7825	0.853037	0.764549	0.950145	1	0.99961	0.950673
D0c4c_E9PM07_S719_1	-0.66	-1.48	0.04	-0.96	-0.08	-1.4	-0.25	-0.73	-0.38	-0.84	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.045	0.221766	0.725699	0.727706	1	0.99961	0.672397	
D0c4c_E9PM07_S720_1	1.09	2.15	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.17	0.11148	0.334251	0.537178	1	0.99961	0.971795	
D0c4c_E9PM07_S721_1	-0.3	-0.76	0.08	-0.76	-0.72	-0.55	-0.58	-1.11	-0.47	-0.17	-0.42	-0.28	-0.05	-0.52	0.06	-0.15	-0.44	-0.8625	-1.5475	0.409094	0.325531	0.559417	1	0.99961	0.760996
D0c4c_E9PM07_S722_1	0.55	-1.85	0.28	-0.24	-0.92	-1.4	-0.4	-0.22	-0.46	0.58	-0.13	-0.27	-1.71	-2.21	-1.01	-2.48	-0.1025	-0.265	-0.22	0.021782	0.804678	0.832046	1	0.99961	0.405554
D0c4c_E9PM07_S723_1	-0.56	-1.18	1.02	-0.13	-1.52	-1.35	0.85	0.76	-2.62	0.06	0.72	-0.07	-1.69	-0.99	0.33	0.62	0.8225	0.2875	0.0475	0.731312	0.884278	0.73002	1	0.99961	0.937622
D0c4c_E9PM07_S724_1	0.92	0.69	0.1	0.43	-0.43	1.54	1.13	1.89	0.75	1.53	0.22	0.35	0.86	2.27	-0.29	-0.98	-0.1825	0.075	0.3375	0.843378	0.061148	0.469247	1	0.99961	0.918523
D0c4c_E9PM07_S725_1	-0.2	0.48	-0.11	-0.77	-0.17	-0.45	-0.64	-0.07	-1	0.47	0.08	0.15	0.13	0.33	0.06	0.89	0.085	0.0525	-0.2175	0.397063	0.582143	0.856627	1	0.99961	0.761093
D0c4c_E9PM07_S726_1	-0.69	-0.59	0.41	0.01	-0.33	0.44	0.9	1.15	-0.99	-0.48	-0.02	-0.25	-0.19	-2.09	0.8	0.1125	-0.0025	-0.57	0.716984	0.861095	0.912772	1	0.99961	0.902024	
D0c4c_E9PM07_S727_1	-1.24	-2.42	-1.15	-0.79	-2.45	-0.69	-1.39	-0.62	-1.27	-1.13	-1.13	-1.13	-1.13	-1.13	-1.13	-1.13	-1.13	-0.55	-1.585	0.278977	0.868163	0.726028	1	0.99961	0.705974
D0c4c_E9PM07_S728_1	2.9	1.73	1.45	1.34	0.74	1.82	1.85	0.35	1.14	2	0.14	0.44	-0.44	-0.47	0.55	0.5	-0.6975	-0.825	-0.82	0.040336	0.975532	0.097506	1	0.99961	0.351308
D0c4c_E9PM07_S729_1	1.84	0.43	1.14	0.68	-0.75	0.92	1.28	-0.15	-0.1	1.02	-0.05	-0.09	0.03	0.17	0.35	0.26	-0.415	-0.7575	-1.9	0.044727	0.202276	0.072257	1	0.99961	0.475443
D0c4c_E9PM07_S730_1	3.08	1.16	1.88	0.39	0.96	2.39	1.22	0.72	0.86	2.81	0.45	0.9	-1.05	0.16	0.78	0.56	0.715	0.145	0.005	0.43374	0.027321	0.27321	1	0.99961	0.351308
D0c4c_E9PM07_S731_1	1.73	1.5	0.16	0.97	3.12	2.13	1.12	1.29	2.25	0.85	1.56	0.72	2.08	0.3	1.05	0.77	-0.0975	0.4975	0.871765	0.170109	0.738075	1	0.99961	0.938644	
D0c4c_E9PM07_S732_1	1.25	1.3	0.63	2.16	2.93	1.79	1.23	2.47	0.89	0.46	1.82	1.78	1.37	2.51	1.75	1.7	0.1975	-0.58	-0.945	0.246029	0.123675	0.829014	1	0.99961	0.685751
D0c4c_E9PM07_S733_1	1.36	1.3	0.92	2	1.91	1.63	1.17	1.66	0.68	0.27	1.53	0.78	0.03	0.89	0.28	0.66	-0.7775	-1.025	-0.05	0.023731	0.541084	0.142642	1	0.99961	0.409075
D0c4c_E9PM07_S734_1	2.3	2.64	2.3	2.82	2.98	1.93	0.63	1.84	0.63	0.52	0.58	0.61	0.28	0.9	0.57	0.5	-0.225	-0.3215	0.005661	0.159253	0.153042	1	0.99961	0.351308	
D0c4c_E9PM07_S735_1	0.26	0.99	0.58	0.27	0.37	0.57	-0.08	0.38	0.58	0.58	0.19	0.69	0.58	0.97	0.86	0.78	-0.8675	-1.02	-1.67	0.371638	0.466568	0.95872	1	0.99961	0.746522
D0c4c_E9PM07_S736_1	1.97	1.17	1.33	1.89	-0.17	1.59	2.34	1.1	0.86	1.7	2.49	-0.8	0.36	0.4	0.47	0.42	-0.065	-0.7075	-1.0825	0.036468	0.183477	0.188039	1	0.99961	0.351308
D0c4c_E9PM07_S737_1	1.79	1.16	1.57	1.25	-0.01	1.15	1.47	0.74	0.49	1.69	0.37	0.39	-0.22	0.14	0.85	0.57	-0.4325	-0.7475	-1.67	0.00894	0.192628	0.804268	1	0.99961	0.363396
D0c4c_E9PM07_S738_1	2.92	1.3	1.82	1.68	0.89	2.04	0.7	0.87	2.41	0.5	0.96	0.21	0.9	0.77	0.8	0.84	0.00201	0.38481	0.64025	0.16025	0.16025	1	0.99961	0.351308	
D0c4c_E9PM07_S739_1	0.64	0.71	1.01	1.03	0.38	1.31	1.12	0.51	1.41	2.1	0.09	1.13	1.72	1.62	0.49	1.12	-0.3	0.7425	1.14	0.124975	0.582149	0.230135	1	0.99961	0.590603
D0c4c_E9PM07_S740_1	-0.17	-0.68	0.15	0.31	0.59	0.67	-0.61	0.12	1.31	1.58	0.39	1.66	2.57	1.8	1.22	0.94	-0.065	0.03	0.17	0.048397	0.533865	0.146719	1	0.99961	0.484343
D0c4c_E9PM07_S741_1	-0.56	-0.57	-0.1	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	-0.56	1	0.99961	0.484343
D0c4c_E9PM07_S742_1	1.38	1.87	0.75	2.44	2.58	0.33	0.43	2.68	2.43	0.62	2.28	2.19	0.8	2.57	1.51	1.8	-0.3	0.36	0.3125	0.735923	0.62202	0.972848	1	0.99961	0.905759
D0c4c_E9PM07_S743_1	0.04	-0.56	-0.29	-0.53	-0.77	-0.71	-0.65	-0.41	-0.31	0.61	-0.18	-0.02	0.17	-0.18	-0.13	0.05	-0.045	0.2125	-0.1125	0.289949	0.888828	0.265743	1	0.99961	0.706164
D0c4c_E9PM07_S744_1	0.31	0.49	0.36	1.17	0.85	0.11	0.3	0.89	1.4	0.03	1.24	0.51	0.51	0.77	0.41	0.19	0.5325	0.045	0.385	0.743358	0.096704	0.915451	1	0.99961	0.905674
D0c4c_E9PM07_S745_1	1.5	0.87	-0.1	0.59	0.26	1.39	1.36	1.21	1.87	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	0.31	0.135238	0.344518	0.542896	1	0.99961	0.905674	
D0c4c_E9PM07_S746_1	0.5	-0.17	-0.07	-0.21	-0.02	-0.13	-0.51	-0.19	-0.32	0.57	0.01	0.65	0.33	0.07	0.28	0.3	-0.1275	0.425	0.7125	0.734038	0.244525	0.738815	1	0.99961	0.907622
D0c4c_E9PM07_S747_1	-0.61	0.25	0.33	-0.06	0	0.13	-0.53	0.06	0.34	0.26	0.14	0.86	0.72	0.65	0.61	0.78	-0.725	-0.47	-1.635	0.041489	0.680025	0.209716	1	0.99961	0.474979
D0c4c_E9PM07_S748_1	2.84	0.18	1.31	1.38	-0.48	0.63	3.14	-0.66	0.41	2.83	0.34	0.35	0.62	0.7	0.4	0.6	-0.205	-2.0675	0.017176	0.415031	0.532021	1	0.99961	0.930204	
D0c4c_E9PM07_S749_1	2.25	1.58	0.7	1.58	0.72	1.58	0.72	1.58	0.72	1.58	0.72	1.58	0.72	1.58	0.72	1.58	0.72	-0.78	-0.19	0.087879	0.293483	0.830559	1	0.99961	0.363396
D0c4c_E9PM07_S750_1	1.38	1.87	0.75	2.44	2.58	0.33	0.43	2.68	2.43	0.62	2.28	2.19	0.8	2.57	1.51	1.8	-0.3	0.36	0.3125	0.735923	0.62202	0.972848	1	0.99961	0.905759
D0c4c_E9PM07_S751_1	3.13	1.97	1.59	1.15	0.83	1.92	2.67	1.52	1.58	2.83	1.75	0.84	0.79	-0.06	1.39	1.08	-0.4775	0.21	-0.945	0.023831	0.536019	0.567985	1	0.99961	0.422285
D0c4c_E9PM07_S752_1	2.69	1.3	0.22	1.15	0.26	1.15	0.26	1.15	0.26	1.15	0.26	1.15	0.26	1.15	0.26	1.15	0.26	0.7175	0.153506	0.406218	0.7175	0.153506	1	0.99961	0.607966
D0c4c_E9PM07_S753_1	-0.38	-0.69	-0.55	-1.06	-0.83	-0.74	-0.71	-0.92	-0.21	0.41	-0.57	-0.3	0.35	0.1	0.06	-0.28	-0.4775	-0.335	-0.735	0.033339	0.136789	0.315551	1	0.99961	0.404924
D0c4c_E9PM07_S754_1	0.98	2.17	1.49	1.53	1.37	1.16	1.78	0.95	0.92	1.39	1.38	1.14	0.92	1.08	0.84	1.82	-0.1275	0.2625	0.1925	0.323552	0.160408	0.315617	1	0.99961	0.724885
D0c4c_E9PM07_S755_1																									

Epnl2_G05MC6_S192s_1	0.12	-2.23	0	-0.75	-2.16	-1.97	-0.18	-0.81	-1.79	-1.08	-1.08	-0.4	-2.14	-2.81	-0.67	-1.19	-0.2975	-0.1125	-0.555	0.15062	0.38879	0.513014	1	0.99961	0.623175	
Epnl2_G05MC6_S192s_2	0.96	-0.41	-0.46	-0.68	-0.75	-0.12	-0.34	-0.57	-0.89	0.71	-0.92	-0.74	-0.48	-0.95	-0.48	-0.7	-0.07	-0.0475	0.8625	0.13926	0.40597	0.544669	1	0.99961	0.649499	
Epnl2_G05MC6_S195s_1	0.1	-0.4	-0.1	-0.4	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0288	0.91148	0.937275	1	0.99961	0.623175	
Epnl2_G05MC6_S195s_2	0.9	-0.55	-0.46	-0.68	-0.72	-0.28	-0.34	-0.57	-0.83	0.7	-0.92	-0.74	-0.57	-0.9	-0.68	-0.7	-0.825	-0.075	0.2	0.21663	0.47951	0.672032	1	0.99961	0.666455	
Epnl2_Q019W6_S257s_1	1.77	-0.26	2.23	1.05	-0.24	0.75	0.08	0.9	-0.01	2.42	-1.16	-0.13	-1.47	1.69	1.13	1.3	-0.645	0.5325	0.69	0.70385	0.160935	0.277755	1	0.99961	0.897149	
Epnl2_Q019W6_S257s_2	0.1	-0.1	2.55	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.25411	0.23601	0.128146	1	0.99961	0.623175	
Epnl5_E05S27_S324s_1	-1.25	-1.83	-0.64	-0.81	-1.23	-1.25	-0.79	-0.51	-0.05	-2.62	-0.8	-0.42	-0.89	-1.44	0.04	-0.28	-0.23	-0.13	0.2525	0.271068	0.594854	0.753003	1	0.99961	0.698674	
Epnl5_E05S27_S324s_2	-0.82	-0.88	-0.83	-1.26	-1.08	-0.61	-1.29	-1.18	-1.16	-1.07	-1.42	-0.62	-0.1	-1.18	-0.89	-0.61	-0.025	0.215	0.375	0.448723	0.358722	0.647775	1	0.99961	0.786796	
Epnl5_Q069D2_S533s_1	-0.6	0	-1	-0.62	-0.67	-0.61	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	0.265	0.32875	0.93079	1	0.99961	0.749498	
Epnl5_Q069D2_S533s_2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.15	0.794831	0.678136	1	0.99961	0.934949	
Epnl8_Q080S9_S624s_1	-1.1	-0.39	0.2	-0.1	-0.06	-0.51	-0.82	-0.61	-0.79	-1.81	-0.57	0.36	0.08	-0.16	0.23	-0.08	0.5425	-0.0075	0.765	0.57816	0.664703	0.842831	1	0.99961	0.846468	
Epnl8_E04S05_S300s_1	-1.16	-2.69	-2.79	-0.64	-0.77	-0.2	-0.86	-2	-2.69	-2.39	-1.58	0.63	0.37	-0.32	-2.47	0.22	0.07	-0.4975	0.455	0.386513	0.491078	0.939714	1	0.99961	0.756411	
Epnl8_E04S05_S300s_2	-1.4	-1.67	-1.84	-0.67	-0.84	-0.09	-0.49	-0.19	-0.89	-0.49	-0.19	-0.89	-0.49	-0.19	-0.89	-0.49	-0.19	-0.89	-0.49	0.11	0.505	0.62422	1	0.99961	0.838920	
Epnl8_Q09K30_S242s_1	2.21	1.17	2.38	1.83	0.63	1.68	1.71	0.43	1.02	2.21	0.71	0.46	0.07	0.04	0.23	-1.2	-0.6425	-1.01	-2.3	0.00508	0.090132	0.081098	1	0.99961	0.351308	
Epnl8_Q09K30_S242s_2	2.54	0.04	0.36	1.12	0.36	0.09	1.07	0.57	0	0.81	-0.82	-0.69	-2.03	-1.71	-0.92	-1.2	-0.55	-0.01	-0.3075	0.040204	0.340227	0.155534	1	0.99961	0.351308	
Epnl8_Q09K30_S242s_3	1.58	0.95	0.63	1.71	1.48	0.23	0.92	1.62	1.85	0.54	1.11	1.41	0.14	1.28	0.98	1.24	0.5	1.2525	-0.89	0.444308	0.704504	0.979642	1	0.99961	0.782623	
Epnl8_Q09K30_S242s_4	2.31	1.02	0.47	1.84	1.02	0.47	1.84	1.02	0.47	1.84	1.02	0.47	1.84	1.02	0.47	1.84	1.02	0.47	1.84	1.02	0.47	1.84	1	0.99961	0.782623	
Epnl8_Q09K30_S242s_5	0.18	-0.05	-0.22	-0.32	-0.04	-1.11	-0.41	-0.53	-0.03	0.06	-0.65	-0.2	-0.58	-0.14	-0.61	-0.09	-0.2625	0.05	-0.155	0.397563	0.190937	0.191221	1	0.99961	0.761281	
Epnl8_Q09K30_S242s_6	-0.03	-0.97	-0.77	-0.57	-0.81	-0.88	-0.93	-0.77	-0.61	-0.08	-0.99	-0.46	-0.68	-0.75	-0.64	-0.89	-0.1575	-0.165	0.11	0.615815	0.365175	0.879248	1	0.99961	0.886203	
Epnl8_Q09K30_S242s_7	-0.19	-0.51	-0.57	-0.07	-0.47	-0.07	-0.47	-0.07	-0.47	-0.07	-0.47	-0.07	-0.47	-0.07	-0.47	-0.07	-0.47	-0.07	0.05	0.702416	0.642269	0.650215	1	0.99961	0.921235	
Epnl8_Q09K30_S242s_8	-0.27	-0.13	-0.37	-0.6	-0.9	-0.66	-1.11	-0.79	-0.91	-0.57	-0.87	-0.83	-0.39	-0.4	-0.07	-0.54	-0.3475	-0.34	-1.5775	0.556818	0.062293	0.103144	1	0.99961	0.830105	
Epnl1_V90W76_S21s_1	2.33	-0.43	1.54	1.98	-0.16	1.22	1.4	0.83	0.51	2.02	1.03	0.5	-2.21	-0.35	1.15	0.52	0.3725	-0.1725	-1.1025	0.081447	0.616963	0.598889	1	0.99961	0.546723	
Epnl1_V90W76_S21s_2	2.01	-1.56	0.96	1.88	1.04	0.86	1.94	1.66	0.83	0.52	0.47	-0.22	-1.32	-1.33	0.66	0.13	0.015	-0.1375	-0.815	0.117779	0.66448	0.80853	1	0.99961	0.643681	
Epnl1_V90W76_S21s_3	1.52	0.22	0.32	1.22	0.46	1.42	2.06	0.61	1.22	1.35	0.46	-0.31	-0.93	0.46	0.35	0.13	-0.275	0.2	-0.605	0.095227	0.980078	0.775257	1	0.99961	0.558128	
Epnl1_V90W76_S415s_1	1.19	1.2	1.98	1.56	0.63	2.07	1.69	0.44	1.84	2.8	1.28	1.01	0.46	0.71	0.57	1.77	-0.275	0.2	-0.605	0.141237	0.527845	0.56862	1	0.99961	0.61245	
Epnl1_V90W76_S415s_2	1.19	1.2	1.98	1.56	0.63	2.07	1.69	0.44	1.84	2.8	1.28	1.01	0.46	0.71	0.57	1.77	-0.275	-0.2225	-1.3325	0.141237	0.527845	0.56862	1	0.99961	0.61245	
Epnl1_V90W76_S570s_1	-0.92	-0.92	-0.74	-0.14	-0.89	0.32	1.07	0.13	-0.67	0.71	-1.05	-0.88	-1.07	-1.09	-1.1	-0.89	-0.1	-0.805	0.1525	0.044397	0.733828	0.69421	1	0.99961	0.738899	
Epnl1_V90W76_S570s_2	-1.53	-1.78	-0.97	-2.42	-1.72	-2.49	-1.95	-1.66	-1.9	-2.58	-0.97	-1.47	-0.84	-1.62	-1.35	-2.28	-0.2875	-0.2725	-0.2725	0.7475	0.458797	0.912245	1	0.99961	0.905674	
Epnl2_Q30U77_S14s_1	0.23	-0.35	0.61	0.16	0.39	0.46	0.14	0.81	0.1	0.55	-0.22	0.02	0.25	-0.04	0.35	-1	-0.22	0.18	-0.6	0.521813	0.353082	0.444559	1	0.99961	0.820623	
Epnl2_Q30U77_S14s_2	-0.07	-0.42	0.34	0.08	-0.47	-0.09	0.35	-0.74	-0.14	-0.67	0.19	-0.07	0.11	-1.55	-0.34	-0.69	-0.1875	0.1	0.4325	0.162064	0.507258	0.549461	1	0.99961	0.631442	
Epnl2_Q30U77_S966s_1	-0.46	-0.57	-0.4	-1.63	-0.67	-0.4	-0.67	-0.4	-1.63	-0.67	-0.4	-1.63	-0.67	-0.4	-1.63	-0.67	-0.4	-1.63	-0.67	0.005	0.290495	0.582115	0.616613	1	0.99961	0.701664
Epnl2_Q30U77_S966s_2	1.37	2.21	1.65	1.2	1.64	1.47	0.7	1.36	1.82	1.76	1.39	1.45	1.49	2.04	1.31	1.61	-0.475	-0.0075	-0.005	0.986127	0.362852	0.93604	1	0.99961	0.991409	
Epnl2_Q30U77_S966s_3	0.8	1.08	2.05	1.34	0.88	0.76	0.92	1.32	0.8	0.71	1.59	2.14	0.87	0.98	1.57	1.88	-0.1525	-0.725	-0.625	0.986661	0.3112	0.986121	1	0.99961	0.999892	
Epnl2_Q30U77_S966s_4	0.97	-0.7	-0.74	-0.14	-0.89	0.32	1.07	0.13	-0.67	0.71	-1.05	-0.88	-1.07	-1.09	-1.1	-0.89	-0.1	-0.805	0.1525	0.044397	0.733828	0.69421	1	0.99961	0.738899	
Epnl2_Q30U77_S966s_5	1.2	0.49	1.2	0.17	0.99	1.2	0.87	1.85	0.69	0.73	1.01	1.57	0.26	0.25	1.31	1.09	0.5	0.235	-0.71	0.234103	0.597138	0.950437	1	0.99961	0.603707	
Epnl2_Q30U77_S966s_6	-1.93	-6.75	-2.47	-2.46	-3.61	-7.4	-0.76	-1.64	-5.34	-5.14	-3.14	-2.76	-3.6	-6.42	-4.44	-3.99	-0.015	0.1175	0.445	0.489753	0.717386	0.834047	1	0.99961	0.807612	
Epnl2_Q30U77_S966s_7	-1.07	-0.48	-0.24	-0.75	-0.35	-0.79	-0.78	-0.68	-0.41	-0.52	-0.89	-0.25	0.27	-0.41	-0.16	-0.46	-0.135	0.05	0.3875	0.192025	0.957807	0.16947	1	0.99961	0.646674	
Epnl2_Q30U77_S966s_8	-0.31	-0.51	-0.57	-0.07	-0.47	-0.07	-0.47	-0.07	-0.47	-0.07	-0.47	-0.07	-0.47	-0.07	-0.47	-0.07	-0.47	-0.07	0.15	0.34345	0.640128	0.6458	1	0.99961	0.6458	
Epnl2_Q30U77_S966s_9	-0.72	-1.18	-0.32	-0.63	-0.01	0.23	-0.51	-0.75	-0.63	-0.02	-0.97	-0.8	0.04	-0.6	-0.54	-0.32	0.205	0.075	0.46	0.723048	0.512102	0.165957	1	0.99961	0.940485	
Epnl2_Q30U77_S966s_10	-0.29	-0.56	-0.69	-0.22	0.23	-0.21	-0.17	0.69	0.39	0.38	0.41	-0.82	-0.19	-0.14	0.78	1.07	-0.0725	-0.1325	0.295	0.26767	0.56998	0.856944	1	0.99961	0.703187	
Epnl2_Q30U77_S966s_11	-0.08	-0.03	0.33	-0.25	-0.11	-0.19	-0.67	-0.22	-0.58	-0.35	-0.22	-0.58	-0.35	-0.22	-0.58	-0.35	-0.22	-0.58	-0.35	0.4096	0.837866	0.651108	1	0.99961	0.765844	
Epnl2_Q30U77_S966s_12	-0.48	-0.76	0.39	1.27	-1.09	0.88	1.86	3.05	1.68	2.45	-1.82	1.12	3.67	0.59	0.19	0.78	0.59	0.19	0.78	0.59	0.19	0.78	1	0.99961	0.799947	
Epnl2_Q30U77_S966s_13	-1.33	-1.36	-1.33	-1.03	-1.2	-1.07	-0.66	-0.86	-1.04	-1.37	-0.89	-1.09	-1.65	-1.03	-0.77	-0.86	-0.2425	-0.18	1.5	0.552454	0.235094	0.526213	1	0.99961	0.836655	
Epnl2_Q30U77_S966s_14	0.21	0.4	0.62	0.07	-0.27	-0.58	0.26	0.28	-0.04	0.45	0.16	0.39	0.56	0.19	0.78	0.59	0.19	0.78	0.59	0.19	0.78	0.59	1	0.99961	0.858627	
Epnl2_Q30U77_S966s_15	-0.42	-1.1	-0.47	-1.1	-0.47	-1.1	-0.47	-1.1	-0.47	-1.1	-0.47	-1.1	-0.47	-1.1	-0.47	-1.1	-0.47	-1.1	-0.47	-1.1	-0.47	-1.1	1	0.99961	0.858627	
Epnl2_Q30U77_S966s_16	1.69	0.43	1.23	1.32	1.41	0.25	1.63	0.29	1.25	-0.05	0.87	0.4	0.79	-0.59	-0.08	1.13	7.85617	-0.0675	0.2975	0.091329	0.430548	0.190478	1	0.99961	0.557085	
Epnl2_Q30U77_S966s_17	-0.74	-0.44	0.07	0.13	-0.6	-0.63	-0.28	0.53	-0.48	-0.102	0.08	0.17	-0.15	-0.26	0.44	0.18	0.065	0.3925	0.2425	0.32168	0.1	0.856202	1	0.99961	0.731668	

Fam3c3_08B0X8_S273b_1	1.27	1.62	1.09	1.55	1.45	1.47	-0.9	2.04	2.07	1.89	1.68	1.11	0.88	2.09	1.72	1.74	-0.45	0.2875	-0.2175	0.5519629	0.73862	0.37423	1	0.99961	0.818456	
Fam3c7_07T0W1_S215c_1	0.43	-0.58	0.35	0.27	-0.67	-0.65	-0.18	0.17	0.09	0.46	0.59	0.48	0.3	-0.36	-0.21	-0.47	-0.17	-0.15	-0.5275	0.54526	0.20983	0.37794	1	0.99961	0.831783	
Fam3c7_07T0W1_S215b_1	0.29	-1.46	-0.31	-0.07	-0.16	-0.13	0.4	0.47	0.53	0.49	0.4	0.6	0.3	0.8	2.77	1	0.45	-0.4575	-0.5275	0.224675	0.67875	0.81767	1	0.99961	0.796243	
Fam3c7_07T0W1_S219c_1	0.29	-1.46	-0.16	-0.07	-0.76	-0.72	-0.13	-0.47	-0.66	0.6	-0.87	-0.93	-0.63	-0.84	-1.22	0.17	0.1975	0.305	0.224675	0.67875	0.81767	1	0.99961	0.67471		
Fam3c7_07G1S9_S103b_1	-0.43	-1.34	-2.12	-1.88	-0.88	-0.65	-1.52	-2.04	-0.59	0.5	-2.05	-1.84	-0.36	-0.35	-2.26	-1.58	-0.2525	0.21	0.2525	0.58804	0.71697	0.70474	1	0.99961	0.850584	
Fam3c3_06P0S4_S31a_1	0.18	0.3	0.1	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	
Fam3b3_05P0S8_S82b_1	0.66	1.83	-0.29	0.35	1.73	0.63	1.45	1.24	1.01	0.4	-1.19	0.34	1.47	1.04	1.18	0.06	0.1775	0.7	0.75512	0.448461	0.57392	1	0.99961	0.80664		
Fam5a4_06B6F6_S347b_1	-0.99	0.04	-0.02	-0.16	0.06	-0.4	-0.53	0	-0.38	-0.64	0.26	0.86	-0.1	0.69	0.87	0.21	-0.3	-0.1675	-0.31	0.08211	0.80152	0.66992	1	0.99961	0.54792	
Fam5a4_06B6F6_S555c_1	-0.14	0.59	-0.4	0.7	-0.6	-1.53	-0.41	1.75	-1.22	-0.71	0.25	0.36	-1.14	-0.45	-0.29	0.59	0.38	1.6125	0.1075	0.46461	0.500123	0.15826	1	0.99961	0.79429	
Fam5a4_06B6F6_S675b_1	1.32	1.13	3.03	3.03	1.54	0.69	0.4	1.75	1.53	1.54	0.69	0.4	1.75	1.53	1.54	0.69	0.4	1.75	1.53	1.54	0.69	0.4	1.75	1.53	1.54	
Fam5a4_08B0U1b_S441c_1	0.47	0.01	2.73	0.24	1.24	2.32	1.01	1.3	2.74	1.34	1.94	2.26	3.46	1.22	2.81	0.72	-0.2625	0.035	-0.2475	0.60598	0.834925	0.18324	1	0.99961	0.85817	
Fam7b8_08B0X3_S276c_1	0.68	0.75	-0.13	0.25	-0.13	-0.98	-0.78	0.43	1.07	1.3	-0.9	0.22	0.34	0.6	-0.61	0.23	-0.74	-0.0725	0.9275	0.51195	0.53975	0.59130	1	0.99961	0.81768	
Fam7b8_08B0X3_S219b_1	1.21	1.7	0.1	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16		
Fam83b_0348V9_S104b_1	1.37	0.53	0.07	0.23	-0.28	-0.13	-0.08	-0.67	-0.29	1.3	-1.06	-0.59	-1.39	-1.69	-0.83	-1.1	-0.2475	0.705	0.72	0.0070781	0.034819	0.135152	1	0.99961	0.351308	
Fam83b_0348V9_S948b_1	0.31	0.42	-0.05	-0.32	-0.88	-0.59	0.12	0.72	0.68	0.76	1.33	0.41	0.75	0.51	1.05	0.93	0.1325	0.3	0.305	0.037439	0.541703	0.048336	1	0.99961	0.458129	
Fam4b4_06B0S0_S67b_1	0.34	1.09	-0.29	0.14	1.05	0.86	-0.04	-0.06	-0.2	-0.28	-0.67	1.23	2.45	0.89	-0.22	-0.62	-0.195	0.4	-0.75	0.646551	0.67456	0.47749	1	0.99961	0.874015	
Fam3a1_03A0V3_S671b_1	0.4	-0.05	0.8	0.7	0.19	0.13	0.84	0.14	-0.56	1.17	0.16	-0.45	-1.2	-0.9	-0.47	0.14	-0.265	0.2675	0.063543	0.542544	0.3104	1	0.99961	0.511615		
Fam1_1F8VU2_S20c_1	-0.69	-0.78	-0.62	-0.27	-0.58	-0.12	-0.85	-0.25	-0.94	-1.39	-0.33	-0.76	-1.18	-0.66	-0.67	-0.92	0.745	0.7275	-0.0925	0.364488	0.74749	0.40864	1	0.99961	0.744849	
Fam1_1F8VU2_S373b_1	0.79	0.52	-0.58	0.61	0.95	1.5	0.52	1.35	0.87	0.55	0.93	0.08	-0.12	1.27	-0.12	-0.06	-0.345	-0.115	0.385	0.838887	0.080135	0.485453	1	0.99961	0.946035	
Fam1_1F8VU2_S893b_1	-0.76	0.08	0.22	0.49	-0.02	-0.14	-0.72	0.18	0.22	-0.19	0.23	-0.13	-0.29	0.3	0.39	0.15	-0.075	0.4415	0.36893	0.356838	0.72205	1	0.99961	0.629451		
Fam1_1F8VU2_S403b_1	-1.02	-0.87	-0.17	-1.38	-0.98	-1.19	-0.99	-0.71	-0.63	-0.75	-0.77	-0.27	-0.04	-0.53	-0.23	-0.35	-0.23	0.35	0.3075	0.26804	0.602438	0.55313	1	0.99961	0.690616	
Fam1_1F8VU2_S427b_1	0.01	0.51	0.24	-0.25	-0.21	0.23	-0.41	-0.22	0.62	0.48	-0.25	0.34	0.25	0.57	0.24	0.08	0.545	0.32	0.815	0.320513	0.340471	0.591657	1	0.99961	0.723884	
Fam1_1F8VU2_S875b_1	-0.61	-0.48	-2.79	-0.22	0.03	-0.02	-2.27	-2.66	-0.24	-0.19	-2.01	-3.38	0.25	0.11	-1.58	-2.62	-0.1125	0.2225	0.3775	0.35542	0.39921	0.76477	1	0.99961	0.74034	
Fam1_1F8VU2_S893b_1	-0.41	-0.61	-0.4	-0.03	-0.16	-0.55	-0.2	0.24	-0.19	0.35	-0.27	0.38	0.2	-0.08	0.39	0.38	-0.0425	0.34	-0.5225	0.267269	0.732029	0.512026	1	0.99961	0.616933	
Fam1_1F8VU2_S724b_1	0.68	0.32	-0.14	0.67	0.49	0.17	0.14	0.56	0.1	0.13	0.24	0.3	-0.37	0.41	-0.68	-0.08	-0.1625	0.2325	0.335	0.167732	0.88491	0.2755	1	0.99961	0.637399	
Fam_1F8VU2_S1577b_1	-0.02	0.56	0.29	-0.34	-0.29	0.06	0.4	0.3	0.08	0.4	0.58	0.42	1.04	0.7	0.58	0.47	0.275	0.25	0.4875	0.421621	0.58491	0.42928	1	0.99961	0.773293	
Fat1_1224A3_1153b_1	1.24	-0.22	1.04	-0.34	-0.29	0.06	0.4	0.3	0.08	0.4	0.58	0.42	1.04	0.7	0.58	0.47	0.275	0.25	0.4875	0.421621	0.58491	0.42928	1	0.99961	0.773293	
Fat1_1224A3_1153b_1	0.77	0.03	0.75	-0.44	-0.58	-0.71	-0.3	-0.62	-0.07	-0.29	-0.16	-1.1	0.44	-0.61	-0.84	-0.77	0.2125	0.5775	0.995	0.443365	0.230118	0.7743	1	0.99961	0.782783	
Fat2_02CVC2_T403b_1	-0.85	-1.34	1.21	-0.8	1.27	0.09	0.61	-0.22	1.49	-1.13	1.12	1.73	2.62	0.01	1.53	0.72	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499
Fat2_02CVC2_T403b_1	-0.88	-0.49	-0.75	0.51	-1.01	-1.02	-0.76	1.18	-0.83	-0.56	1.13	1.46	0.04	-0.46	1.64	-0.86	2.366	-0.46	0.7025	0.4925	0.192754	0.732166	0.46885	1	0.99961	0.649499

G3bp2_P93799_T2271_1	0.16	1.09	0.92	0.62	0.81	0.74	0.17	0.78	0.73	0.54	0.83	1.04	1.02	1.26	0.95	1.13	0.5325	0.415	0.03	0.223406	0.815112	0.727892	1	0.999631	0.647531
Gab2_G32857_S211_1	1.05	0.53	0.58	0.87	1.04	1.55	1.31	1.24	1.74	1.09	1.42	0.38	0.18	0.66	1.42	0.83	-0.11	-0.6575	-0.01	0.931071	0.066943	0.520815	1	0.999631	0.977912
Gab2_G32857_S4021_1	0.79	1.43	0.56	0.36	0.78	0.69	0.89	0.81	0.78	0.17	0.49	0.78	0.17	0.49	0.78	0.17	0.49	0.78	0.17	0.49	0.78	0.17	0.49	0.78	0.17
Gab2_G32857_T3881_1	0.88	1.12	0.98	1.43	1.01	1.57	0.27	1.44	0.92	1.03	0.65	0.94	0	1.53	1.53	0.65	0.0725	-0.1265	-1.8225	0.670713	0.931133	0.418722	1	0.999631	0.884315
Gabarrup2_P60521_S101_1	1.53	-1.87	-0.55	-0.76	-1.2	-0.92	1.99	-1.23	-1.46	1.07	-1.23	-0.68	-0.97	-2.1	-2.66	-1.21	-0.425	-0.4925	-0.82	0.031497	0.936563	0.839062	1	0.999631	0.444263
Gabarr1_O9NV18_S5971_1	0.81	-0.1	-0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Gabarr1_O9NV18_S5909_1	0.16	-0.6	-0.77	-0.44	-0.11	-0.48	-1	-0.46	-0.41	-0.45	-1.16	-0.41	0.51	-1.01	-0.18	-0.12	0.57	0.04	-0.2825	0.595532	0.755614	0.555469	1	0.999631	0.852450
Gabarr1_O9NV18_S5491_1	1.18	-0.59	-0.85	0.72	0.95	0.2	0.65	0.94	0.29	-0.02	0.37	-0.02	-1.19	0.42	0.13	-0.03	-0.3325	-0.5125	0.23	0.617352	0.264749	0.933999	1	0.999631	0.861376
Gabarr1_O9NV18_T8721_1	-0.64	-0.44	-0.28	-0.46	-0.19	-0.17	-0.75	0.05	-1.57	-0.9	-1.66	-1.06	-1.21	0.2	0.1	-0.41	-0.3975	0.7775	0.73	0.497070	0.920765	0.224776	1	0.999631	0.813508
Gabarr1_O9NV18_T8921_1	-1.62	-0.63	-0.36	-0.62	-0.39	-0.27	-0.55	-1.02	-0.73	-0.88	-1.07	-1.08	-1.17	0.12	0.1	-0.38	-0.2911	1.3035	0.214457	0.18	0.4779	0.214457	1	0.999631	0.813508
Gabarr2_Q80174_S5701_1	-3.97	-4.49	-5.32	-5.65	-5.55	-5.14	-4.37	-6.77	-7.73	-3.97	-7.73	-6.26	-4.84	-4.79	-5.22	-6.17	0.0575	-0.14	-0.0025	0.919398	0.919398	0.571275	1	0.999631	0.777152
Gabarr2_Q80174_S5751_1	0.05	0.6	-1.83	-1.08	-0.46	-0.36	-0.73	-1.68	-0.97	-0.31	-1.45	-1.29	-0.69	-0.84	-1.18	-0.76	0.035	0.4375	0.14	0.995279	0.919398	0.760241	1	0.999631	0.979205
Gabarr2_Q80174_S5781_1	0.06	0.11	-0.1	0.07	0.79	0.42	0.8	0.84	0.52	0.1	0.84	0.52	0.1	0.81	-0.1	-0.1	-0.175	-0.05	-0.16	0.771885	0.923117	0.915211	1	0.999631	0.919398
Gabarr2_Q80174_S5781_1	0.02	0.6	-1.75	-0.6	-0.2	-0.21	-0.21	-0.31	0.72	0.2	-0.43	-1.26	1.06	-0.43	-0.82	-1.68	-0.4125	0.4775	0.2825	0.724579	0.778154	0.98203	1	0.999631	0.905674
Gabarr2_Q80174_S57921_1	0.45	-0.86	0.19	-0.37	-1.21	-0.66	-0.67	-1.02	-0.41	0.23	-0.25	0.93	0.05	0.28	0.43	-0.22	0.3175	-0.0175	0.4	0.450673	0.404204	0.245297	1	0.999631	0.877897
Gabarr2_Q80174_S5831_1	-1.52	-1.09	1	-1.83	-1.1	-1.03	-1.19	-1.05	-1.5	-2.1	-1.1	-1.21	-0.55	-1.23	-1.29	-1.1	0.605	-1.1125	-1.5975	0.76778	0.915949	0.934543	1	0.999631	0.701017
Gabarr2_Q80174_T7121_1	1.47	0.94	1.04	1.08	1.35	2.32	1.18	2.49	0.31	-0.19	1.63	1.04	1.58	1.49	0.41	0.85	0.3925	1.4575	0.765	0.161777	0.135037	0.160603	1	0.999631	0.844443
Gabarr2_P50408_T8931_1	1.36	-1.58	0.24	-0.11	0.79	1.26	2.39	1.04	0.73	2.38	1.39	1.24	-0.55	0.48	1.85	1.19	-0.44	-0.0175	0.292037	0.048752	0.9041287	1	0.999631	0.706164	
Gabarr3_BA1V24_S4741_1	-0.69	-0.07	-0.48	-0.9	-0.61	-1.42	-1.08	-0.79	-1.02	-0.97	-1.21	-1.26	-0.07	-0.77	-0.77	-0.6	-1.0475	-0.65	-0.24	0.956783	0.174792	0.036446	1	0.999631	0.984803
Gabarr3_BA1V24_T4681_1	-0.59	-0.83	-0.6	-0.95	-2.1	-1.56	-0.9	-2.36	-1.21	-1.16	-1.71	-1.15	-0.21	-0.15	-0.17	-0.12	-0.4075	-0.32	-0.3875	0.460609	0.004816	0.195453	1	0.999631	0.792651
Gabarr3_O3U509_T4491_1	0.3	-0.13	0.02	0.55	0.05	0.47	-0.13	-0.36	-0.72	0.41	-0.33	0.1	-0.63	0.4	0.54	-0.32	-0.09	-0.4525	-0.03	0.286468	0.553727	0.333905	1	0.999631	0.705972
Gabarr3_P22933_S3901_1	-0.93	-0.48	-1.07	-0.59	-0.54	-0.78	-1.52	-0.59	-0.81	-0.49	-1.99	-1.59	-0.57	-0.68	-1.06	-0.88	0.095	-0.065	0.325	0.918278	0.776468	0.262454	1	0.999631	0.974076
Gabarr3_P22723_S3931_1	0.53	0.47	0.66	0.5	1	0.75	0.3	0.5	0.82	0.77	0.24	0.08	0.57	0.83	0.75	1.32	0.825	-0.0775	-0.0375	0.725133	0.716769	0.81895	1	0.999631	0.701287
Gabarr3_P22723_T3991_1	-0.62	-0.24	0.16	0.19	-1.73	2.53	0.51	1.48	-0.74	-0.59	1.79	-1.28	1.54	1.63	-0.53	-0.42	-0.805	-0.065	0.0325	0.950277	0.321637	0.90329	1	0.999631	0.984079
Gad1_F48318_S5271_1	-0.52	-2.22	0.72	-0.04	-2.56	-3.3	-0.13	0.31	-1.85	-1.4	0.13	0.72	-1.51	-1.64	0.73	0.49	-1.6	-0.7875	-0.2275	0.966602	0.346689	0.911911	1	0.999631	0.888351
Gad1_F48318_S551_1	0.28	1.15	0.3	0.33	0.82	1.37	0.91	-0.4	0.72	-0.26	-1.21	-0.34	1	1.01	0.35	-1.21	0.6425	-0.4925	0.0775	0.660807	0.704808	0.100074	1	0.999631	0.883599
Gad1_F48318_S571_1	-1.68	-1.75	-0.07	-0.1	0.29	0.24	0.4	0.46	0.44	0.46	0.81	1.49	0.54	1.58	0.5	-0.1625	-0.25	0.355	0.878024	0.274756	0.413559	1	0.999631	0.921124	
Gad1_F50141_S1121_1	0.9	1.6	1.81	1.55	0.7	1.83	0.63	1.02	1.34	1.67	1.77	1.74	2.04	1.78	1.77	1.49	-0.2975	-0.515	-1.15	0.118101	0.261846	0.582921	1	0.999631	0.580587
Gadp3_P06837_S1121_1	1.1	-1.6	-0.27	-1.78	-1.05	-0.5	0.55	-1.74	-1.43	0.35	-1.63	-0.9	-1.05	-2	-0.84	-2.26	-0.3725	-0.285	-0.9325	0.081532	0.65532	0.434631	1	0.999631	0.546935
Gadp3_P06837_S1121_1	1.89	-0.89	-0.47	-0.29	-1.17	-0.42	0.9	-1.4	0	1.04	-1.21	-0.73	-0.12	-0.99	-0.56	-1.82	-0.8025	-1.2	-1.405	0.171591	0.614838	0.687052	1	0.999631	0.644507
Gadp3_P06837_S1121_1	0.57	-0.82	-0.07	0.15	-0.9	0.36	0.08	-0.20	-0.47	0.89	1.87	1.28	0.66	-1.84	-0.51	0.4	-0.88	0.04001	0.28315	0.1	0.102546	0.1	1	0.999631	0.644507
Gadp3_P06837_S1121_1	0.2	-2.05	-2.31	-1.78	-2.26	-2.02	0.08	-2.86	-2.73	-0.49	-2.57	-2.63	-1.56	-2.31	-2.7	-2.89	-2.425	0.1825	0.525	0.157688	0.711026	0.385802	1	0.999631	0.626165
Gadp3_P06837_S1121_1	0.27	0.4	0.31	0.11	0.37	0.22	0.45	0.42	0.47	0.5	0.09	0.76	1.47	0.55	0.69	0.48	-0.2925	0.1675	0.5075	0.124522	0.416777	0.488553	1	0.999631	0.590603
Gadp3_P06837_S1121_1	0.4	0.31	0.4	0.11	0.39	0.24	0.4	0.46	0.47	0.5	0.09	0.76	1.47	0.55	0.69	0.48	-0.2925	0.1675	0.5075	0.124522	0.416777	0.488553	1	0.999631	0.590603
Gadp3_P06837_S561_1	-0.41	-0.51	-1.24	-1.3	-1.3	-0.77	-0.78	-1.26	-1	-1.41	-0.71	-0.55	-0.13	-1.23	-0.54	-1.01	-0.095	-0.46	0.475	0.716768	0.616934	0.878761	1	0.999631	0.903179
Gadp3_P06837_S561_1	-0.32	-0.58	-0.04	-0.08	-0.65	-0.57	-0.07	-0.11	0.11	0.14	0.12	0.45	0.6	-0.5	0.61	0.17	0.1	0.1825	0.0375	0.152945	0.738483	0.108326	1	0.999631	0.644949
Gadp3_P06837_S561_1	-0.08	-0.42	0.02	0.1	-0.18	-0.14	0.1	0.08	-0.31	0.1	0.2	0.36	0.29	0.74	0.73	0.51	0.6575	0.79	0.8225	0.925368	0.968028	0.915471	1	0.999631	0.973032
Gadp3_P06837_T1171_1	-1.01	-1.1	-1.4	-0.95	-2.1	-1.56	-0.9	-2.36	-1.21	-1.16	-1.71	-1.15	-0.21	-0.15	-0.17	-0.12	-0.4075	-0.32	-0.3875	0.460609	0.004816	0.195453	1	0.999631	0.792651
Gadp3_P06837_T1171_1	-1.85	-0.74	-1.17	-2.01	-0.27	-1.2	-1.04	-1.63	-1.18	-1.67	-0.87	-0.3	0.45	-1.37	-1.38	-1.51	0.09	0.3125	0.245	0.360101	0.33345	0.146023	1	0.999631	0.741182
Gadp3_P06837_T951_1	-0.51	-0.93	-2.74	-2.16	-0.7	-1.09	-2.38	-2.81	-0.64	-0.34	-2.28	-2.83	-0.03	-0.76	-2.47	-1.1	-0.845	-0.7125	-0.5	0.777475	0.901634	0.692257	1	0.999631	0.919413
Gadp3_P06837_T951_1	-2.3	-4.74	1.08	-0.26	-0.81	-4.59	-0.12	-1.88	-2.82	-3.96	-1.38	-0.51	3.73	-1.05	-1.22	-0.42	-0.195	-0.1	0.914887	0.533655	0.796991	1	0.999631	0.895302	
Gadp3_P16588_S2091_1	0.04	0.05	0.39	0.18	0.21	0.44	0.85	0.3	0.73	0.86	0.37	0.93	0.91	0.63	-0.81	-0.1735	0.03975	0.2775	0.727682	0.845486	0.618662	1	0.999631	0.984079	
Gadp3_P16588_T2091_1	-0.08	1.31	0.8	0.27	0.28	0.69	0.13	0.77	0.85	0.36	0.66	0.5	0.95	1.27	0.74	0.45	0.05	-0.16	0.27	0.47388	0.552616	0.969892	1	0.999631	0.799882
Gadp3_P16588_T2091_1	-0.52	-0.73	-0.36	-0.08	-0.52	-0.15	-0.53	-0.43	-0.9	0.02	-0.88	-0.41	0.19	-0.11	-0.42	-0.11	0.175	0.2875	0.38	0.390435	0.867949	0.830187	1	0.999631	0.758901
Gadp3_P16588_T2091_1	0.1	0.1	1.01	1.29	0.82	0.89	1.4	0.63	1.1	0.96	1.09	0.83	1.59	0.44	1.55	0.76	2.09	1.18	1.1225	0.144833	0.61626	0.425161	1	0.999631	0.789212
Gadp3_P16588_T2091_1	-0.96	0.45	0.47	-0.03	-0.44	-0.66	-0.81	0.02	-1.23	-0.16	-0.27	0.42	-0.26	0.15	0.01	-0.27	0.175	0.2875	0.38	0.390435	0.867949	0.830187	1	0.999631	0.758901
Gadp3_P16588_T2091_1	0.1	1.01	1.39	0.82	0.89	1.4	0.63	1.1	0.96	1.09	0.83	1.59	0.44	1.55	0.76	2.09	1.18								

Gmz_0704d3_527s_1	-3.25	1	-1.43	-0.05	1.34	1.05	-0.11	-2.95	-3.27	-4.52	-1.45	1.16	1.45	2.04	1.47	0.56	-0.6825	-0.425	-1.0225	0.030992	0.425142	0.975129	1	0.999631	0.404065
Gmz_P628B1_568s_1	1.68	1.44	1.39	1.03	0.89	1.16	0.67	0.15	1.21	2.08	0.37	1.18	0.78	0.59	0.19	-0.11	-0.8875	0.2425	0.32	0.0928	0.086337	0.934079	1	0.999631	0.367426
Gmz_P628B1_510s_1	-0.42	1.09	-0.02	-0.17	-0.02	-0.16	-0.05	-0.22	-0.16	-0.06	-0.04	0.71	0.44	0.36	0.14	0.71	0.04	0.284042	0.762073	0.449249	0.91	1	0.999631	0.367426	
Gmz1_0904D8_510s_2	-1.48	1.57	1.05	0.32	0.69	0.99	0.22	0.08	1.09	-0.66	0.63	1.16	1.23	1.06	0.5	0.43	0.19	0.44	0.489134	0.617689	0.768664	1	0.999631	0.807201	
Gmz1_0904D8_57s_2	-1.48	1.57	1.05	0.32	0.69	0.99	0.22	0.08	1.09	-0.66	0.63	1.16	1.23	1.06	0.5	0.43	-0.1525	-0.455	0.005	0.489134	0.617689	0.768664	1	0.999631	0.807201
Gmz2_P631D5_78s_1	-0.17	0.61	0.17	0.06	0.19	0.26	0.06	0.19	0.26	0.06	0.19	0.26	0.06	0.19	0.26	0.06	0.19	-0.2	0.080515	0.758839	0.934079	1	0.999631	0.367426	
Gmz2_P631D5_752s_1	-0.32	-0.03	0.13	-0.57	-0.59	-0.63	-0.16	-0.68	-0.75	-0.33	-0.81	-0.55	-0.33	-0.21	-1.06	0.07	-1.16	0.8525	0.957701	0.072973	0.167753	1	0.999631	0.167753	
Gmz3_P631B6_512s_1	-1.37	0.15	-0.25	-0.02	-0.07	0.08	-0.92	-0.69	-0.13	0.24	-0.98	0.02	1.51	-0.17	-0.06	0.64	-0.1575	-0.1525	0.4325	0.110197	0.671654	0.712224	1	0.999631	0.573987
Gmz3_P631B6_710s_1	-0.81	0.48	0.35	-0.46	-0.11	0.14	-0.38	-0.72	-0.02	0.34	-0.44	-0.93	0.87	0.13	-0.15	-0.005	0.075	0.555	0.292927	0.677884	0.716817	1	0.999631	0.717124	
Gmz3_P631B6_75s_1	-1.37	0.15	-0.25	-0.02	-0.07	0.08	-0.92	-0.69	-0.13	0.24	-0.98	0.02	1.51	-0.17	-0.06	0.64	-0.1575	-0.1525	0.4325	0.110197	0.671654	0.712224	1	0.999631	0.573987
Gmz3_P631B6_75s_2	0.52	0.25	0.54	-0.7	-0.99	-0.11	-0.76	-0.55	-0.25	0.41	-0.49	-0.51	0.12	-0.03	-0.26	0.4	-0.2925	-0.275	-0.9525	0.871728	0.209881	0.810708	1	0.999631	0.959119
Gmz4_P501S3_512s_1	-0.42	-0.74	0.91	0.28	-0.4	1.41	-0.1	0.77	-0.47	0.29	-0.77	-0.12	0.35	-1.22	-1.14	-1.77	-0.4825	0.3025	0.0775	0.105056	0.580823	0.528859	1	0.999631	0.568213
Gmz4_P501S3_512s_2	1.1	0.26	0.44	0.06	0.19	0.26	-0.42	-0.1	0.77	-0.47	0.29	-0.77	-0.12	0.35	-1.22	-1.14	-0.75	0.36	0.238	0.2225	0.1215	0.24	1	0.999631	0.928203
Gmz4_P501S3_59s_1	0.4	-0.83	-2.1	-0.49	-1.51	-1.01	-0.37	-1.07	-0.54	-0.3	-1.56	-3.09	-0.11	-0.44	-1.14	-1.17	-0.42	0.23	0.035	0.941172	0.656955	0.404155	1	0.999631	0.981286
Gmz4_P501S3_59s_2	0.53	0.6	0.44	0.86	0.49	0.4	-0.42	0.28	1	1.42	-0.03	0.96	0.62	0.71	0.96	0.28	-0.65	-0.3925	0.0775	0.903514	0.173331	0.522712	1	0.999631	0.968183
Gmz1_P68916_551s_1	-0.42	0.24	0.29	-0.32	-1.37	-0.77	-0.61	-0.55	-1.01	-0.23	-0.45	-0.58	0.13	-0.52	-0.14	0.14	0.5475	0.14	-0.605	0.804713	0.05352	0.214028	1	0.999631	0.934213
Gmz1_P68916_551s_2	-0.29	0.09	-0.83	-0.48	-0.51	-0.57	-0.25	-0.15	-0.16	-0.34	-0.12	-0.22	-0.91	-0.62	1.2875	-0.165	0.3325	0.218066	0.178797	0.770451	1	0.999631	0.668955		
Gmz1_P68916_568s_1	0.93	-0.13	0.14	2.71	2.49	1.18	2.34	2.79	1.27	-0.48	2.51	-0.31	0.96	1.07	1.16	1.09	-0.45	-0.3525	-1.135	0.658249	0.079235	0.843234	1	0.999631	0.897876
Gmz1_P68916_589s_1	-0.45	3.11	3.09	2.06	0.83	2.46	2.27	1.27	1.62	0.37	2.41	2	0.59	0.29	2.24	1.17	0.625	-0.0475	0.8	0.229332	0.761798	0.671667	1	0.999631	0.679824
Gmz1_P68916_748s_1	-0.55	-1.32	-1.09	-1.09	0.03	0.17	0.58	0.51	-1.05	-0.32	-0.2	-0.5	-0.28	-0.78	-0.05	0.04	0.45	0.302023	0.272458	0.97265	1	0.999631	0.97265		
Gmz1_P68916_750s_2	-0.29	0.09	-1.62	1	0.55	0.2	0.02	-1.1	-0.57	0.35	-0.14	-0.42	-1.27	0.22	-0.29	-1.47	-0.625	0.105	-0.17	0.40428	0.905983	0.943724	1	0.999631	0.762309
Gmz1_08C11_5472s_1	-0.3	-0.42	-0.22	-1.23	-0.41	-0.13	-0.56	-0.66	-0.42	-0.02	-0.25	-1.06	-0.52	-0.27	-0.74	-1.32	-0.0215	-0.1225	0.6125	0.645491	0.743795	0.769209	1	0.999631	0.873231
Gmz05_020V2_512s_1	-0.48	0.05	-0.58	0.14	-0.21	0.33	-1.66	0.72	0.06	0.27	0.59	-1.3	0.99	0.3	-0.22	0.51	1.395	-0.285	0.285	0.112395	0.980855	0.673364	1	0.999631	0.577408
Gmz05_0909P_51479s_1	1.76	1.57	1.69	-0.16	3.11	1.27	1.6	1.46	4.36	1.12	3.26	4.26	2.59	0.77	1.65	0.49	-0.345	0.0025	-0.8	0.648934	0.053612	0.013011	1	0.999631	0.874615
Gmz05_0909P_5285s_1	0.03	-1.68	-2.01	-2.04	-1.86	-2.19	-2	-1.03	-1.46	-1.11	-1.9	-1.22	-0.72	-0.63	-1.26	-2.41	-0.7625	-0.27	0.11	0.886629	0.508559	0.959977	1	0.999631	0.963505
Gmz05_0909P_5312s_1	-0.09	-1.2	0.43	0.5	-1.88	-0.27	-1.08	-1.94	-1.05	-0.67	-1.31	-0.27	-1.23	-0.29	-0.1	-0.16	-1.425	-0.3725	-0.005	0.775681	0.116347	0.43875	1	0.999631	0.929988
Gmz05_0909P_71319s_1	0.09	-0.22	0.49	0.3	-0.17	0.77	0.99	0.38	0.77	0.22	1.12	0.44	0.65	1.09	0.5	-0.1	-0.225	0.8275	0.69698	0.700209	0.245633	1	0.999631	0.963505	
Gmz0478_0904Z8_514s_1	0.73	-0.22	-0.38	0.3	-0.97	-1	0.3	-0.74	-1.88	-0.37	-0.01	-0.6	0.91	-0.29	0.17	-0.85	-0.525	-0.2325	-0.345	0.00767	0.101728	0.101521	1	0.999631	0.530826
Gmz0478_0904Z8_516s_1	2.25	0.85	1.86	1.9	0.47	1.71	0.77	0.81	0.9	2.31	0.89	1.83	0.6	1.18	1.95	0.95	-0.0025	0.565	0.7025	0.219795	0.244315	0.610859	1	0.999631	0.670699
Gmz04_07YVW2_5568s_1	-0.15	1.4	2.36	1.19	0.89	1.56	1.32	1.02	1.78	1.19	1.99	1.1	0.65	1.38	1	2.58	-0.6975	-0.5575	-1.5575	0.30369	0.996038	0.293496	1	0.999631	0.717667
Gmz05_0909P_51394s_1	1.06	0.42	1.15	1.22	-0.14	0.57	0.95	0.86	-0.31	0.88	1.25	0.98	-0.62	-0.22	1.09	1.7	-0.825	-0.0025	-0.495	0.39402	0.525857	0.519097	1	0.999631	0.79037
Gmz05_0909P_5313s_1	0.32	-0.62	0.03	0.08	-0.92	0.08	-0.44	-0.04	0.39	0.81	-0.89	-0.49	0.03	-0.4	-0.93	0.87	-0.0075	-0.04	0.21	0.184292	0.412633	0.959423	1	0.999631	0.647608
Gmz05_0909P_5313s_2	-0.72	-0.11	-0.37	-0.43	-0.36	-0.51	-0.57	-0.25	-0.15	-0.16	-0.38	-0.03	-0.48	0.04	0.1	0.5	-0.1	-0.225	0.8275	0.69698	0.700209	0.245633	1	0.999631	0.963505
Gmz05_0909P_71514s_1	0.76	0.1	-0.52	-1.38	1.33	1.01	1.02	0.33	1.47	0.59	0.6	-0.04	-1.29	2.05	-0.01	1.17	1.1625	-0.075	-0.475	0.892516	0.253285	0.585477	1	0.999631	0.964449
Gmz05_0909P_7157s_1	1.48	-0.13	-1.51	0.8	2.57	1.04	1.15	0.53	0.91	0.69	-0.43	-0.3	-2.44	1.4	-0.13	-0.09	-0.6	0.2125	0.74	0.593393	0.117534	0.930166	1	0.999631	0.853305
Gmz05_0909P_7157s_2	-0.32	1.78	1.74	0.57	0.94	1.38	0.36	0.85	1.05	0.99	0.91	1.67	1.55	2.21	1.27	1.11	0.125	0.6175	0.172578	0.960686	0.675691	1	0.999631	0.642116	
Gmz05_0909P_7157s_3	-0.18	-0.29	-1.09	0.03	0.17	0.28	0.22	0.15	0.58	0.2	0.1	1.84	0.2	0.17	0.18	0.04	0.1775	0.254235	0.816458	0.214	0.2489	0.2	1	0.999631	0.97265
Gmz05_0909P_7157s_4	0.46	-0.54	-0.64	-0.63	-0.11	-0.63	-0.39	-0.03	-0.82	-0.09	-0.14	-0.38	0.54	-0.78	-0.48	-0.12	-0.3225	-0.15	-0.715	0.75567	0.624556	0.954698	1	0.999631	0.913663
Gmz05_0909P_7157s_5	0.78	0.01	0.52	0.49	-0.37	0.15	0.48	0.25	0.21	1.37	0.07	-0.31	0.51	-0.13	0.53	-0.05	-0.3375	-0.5475	-1.24	0.09494	0.300428	0.716688	1	0.999631	0.558128
Gmz05_0909P_7157s_6	0.08	-0.53	1.01	0.69	-0.85	-0.07	0.7	0.12	-0.23	0.04	-0.3	-0.85	-1.05	-1.78	0	-0.485	-0.3975	-0.5475	-1.24	0.09494	0.300428	0.716688	1	0.999631	0.558128
Gmz05_0909P_7157s_7	0.08	-0.53	1.01	0.69	-0.85	-0.07	0.7	0.12	-0.23	0.04	-0.3	-0.85	-1.05	-1.78	0	-0.485	-0.3975	-0.5475	-1.24	0.09494	0.300428	0.716688	1	0.999631	0.558128
Gmz05_0909P_7157s_8	2.35	0.1	1.25	0.75	-0.42	0.03	1.14	-0.23	-0.39	1.98	-0.16	-0.78	-0.43	-0.71	-0.09	-0.58	0.1375	0.43	0.04	0.008107	0.0951	0.933227	1	0.999631	0.365244
Gmz05_0909P_7157s_9	-0.07	0.09	0.03	-0.29	0.13	0.11	-0.13	0.42	0.63	0.83	-0.4	-0.42	0.59	0.02	-0.15	-0.54	-0.355	-0.055	0.0275	0.902412	0.580627	0.216278	1	0.999631	0.968183
Gmz05_0909P_7157s_10	0.35	0.25	0.12	0.23	0.02	0.13	0.05	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	1	0.999631	0.968183
Gmz05_0909P_7157s_11	-0.05	-0.48	-0.71	-0.68	-0.2	-0.61	-0.11	-0.43	-0.72	0.6	0.08	-0.91	-0.64	-0.96	-1.06	-1.33	-0.7175	-0.6875	-0.092826	0.798527	0.554544	0.554544	1	0.999631	0.557387
Gmz05_0909P_7157s_12	2.56	2.38	1.38	0.98	0.65	2.16	0.86	2.21	1.98	2.54	1.98	1.27	1.08	1.8	1.7	2.03	0.5525	-0.075	-0.955	0.343848	0.528855	0.972039	1	0.999631	0.739951
Gmz05_0909P_7157s_13	1.3	0.45	-0.15	0.66	1.55	0.23	1.86	0.83																	

Gm4_G5E863_78791_1	-0.75	-0.39	-0.17	-0.24	-0.14	0.41	-0.79	-0.11	-0.48	-0.12	-0.22	0.07	0.62	-0.37	0.34	0.19	-0.225	-0.1625	-0.165	0.096678	0.482804	0.474073	1	0.999631	0.50886
Gm1_061627_58801_1	1.21	0.15	-0.31	0.01	0.91	0.62	0.02	0.0	0.46	0.21	-0.14	-0.12	-0.35	0.9	-0.38	0.12	-0.5875	-0.265	-1.5225	0.712697	0.570204	0.671107	1	0.999631	0.8008
Gm2b_020609_5454_1	-1.84	-1.55	-0.8	-1.59	-0.92	-1.19	-1.82	-0.34	-1.76	-0.85	-0.76	-0.31	-0.76	-0.58	-0.38	-0.1	-0.2025	0.05559	0.472126	0.70508	0.70508	0.70508	1	0.999631	0.75967
Gm5_061626_5961_1	-0.41	-0.72	-0.48	-0.91	-1.05	-0.61	-1.06	-0.76	-1.41	-0.33	-0.92	-0.69	0	-0.65	-0.48	-0.58	-0.1295	-0.4625	0.94999	0.370419	0.516347	0.516347	1	0.999631	0.813729
Gm5_061626_78991_1	-0.27	-1.21	0.04	-0.44	-1.03	-1.79	-0.2	0.37	-1.77	-1.42	-0.08	0.45	-1.42	-1.53	0.09	-0.87	-0.0775	-0.1625	-0.575	0.3206	0.705099	0.670283	1	0.999631	0.721684
Gm2b_P35446_51025_1	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	0.44505	0.969126	0.955114	1	0.999631	0.707149
Gm2b_P35446_51025_1	0.43	-0.48	1.4	0.44	-0.3	0	3.82	-1.83	0.42	-0.84	-0.06	-0.26	-1.47	-2.66	-0.81	-0.04	-0.73	-1.7725	-1.7325	0.159374	0.981526	0.182598	1	0.999631	0.629514
Gm2b_P35446_51204_1	0.05	-1.65	-0.58	-1.31	-2.52	-2.18	0.02	-2	-2.24	-0.26	-1.61	-2.47	-0.51	-3.88	-0.27	-1.86	-0.415	-0.1	0.50205	0.04071	0.286296	0.139443	1	0.999631	0.484833
Gm2b_P35446_51459_1	0.97	-0.19	-1.15	-1.43	-0.3	-0.32	-1.49	-0.37	-0.87	-0.43	-1.12	-0.62	-0.84	-1.71	-1.61	-0.63	-0.0725	0.3575	0.367441	0.473401	0.584074	0.584074	1	0.999631	0.745967
Gm2b_P35446_58821_1	-1.47	-1.15	-1.48	-1.59	-0.92	-1.19	-1.82	-0.34	-1.76	-0.85	-0.76	-0.31	-0.76	-0.58	-0.38	-0.1	-0.2025	0.05559	0.472126	0.70508	0.70508	0.70508	1	0.999631	0.75967
Gm2b_P35446_5890_1	-0.6	0.16	0.17	-0.75	-0.28	-0.17	-0.62	-0.82	-0.34	-0.43	-0.22	-0.18	0.48	0.05	-0.75	0.06	0.02	-0.2125	-0.2075	0.518231	0.513591	0.950113	1	0.999631	0.847144
Gm2b_P35446_5929_1	0.59	0.75	0.24	0.61	1.25	1.37	0.03	0.62	1	1.01	0.15	0.18	0.78	0.58	0	1	0.955	-0.005	-1.99	0.016627	0.068393	0.104049	1	0.999631	0.861203
Gm2b_P35446_51166_1	2.11	-0.63	0.2	0.1	-1.18	-0.24	-1.69	-0.43	-1.51	-1.85	0.85	-0.41	-2.24	-0.4	-1.39	-0.15	-0.0425	0.81875	0.011651	0.195231	0.27732	0.27732	1	0.999631	0.389023
Gm2b_P35446_51143_1	-1.1	0.21	0.79	-1.52	-0.18	-0.07	-1.18	-1.23	-0.19	-0.63	-0.94	-0.79	0.75	0.24	-0.42	-0.5	-0.0375	-0.4725	-1.39	0.120887	0.770846	0.693049	1	0.999631	0.565572
Gm2b_P35446_51166_1	2.36	0.72	1.41	1.85	1.02	0.99	2.52	1.66	1.12	1.3	1.26	0.77	0.71	0.34	0.82	0.33	-0.205	-0.7525	-1.4775	0.012988	0.937021	0.240125	1	0.999631	0.328902
Gm2b_P35446_51204_1	1.72	0.07	0.4	0.75	0.33	0.44	1.03	0.52	-0.12	0.19	-0.18	-0.67	-1.29	-0.96	-0.18	-0.54	1.15	1.655	0.2325	0.036085	0.111591	0.133398	1	0.999631	0.351455
Gm2b_P35446_51303_1	1.87	-0.32	1.87	1.64	1.05	1.12	1.78	1.13	0.32	0.66	0.45	0.37	0.38	0.26	0.43	0.1175	-0.4725	-0.01	0.788909	0.103965	0.928007	0.928007	1	0.999631	0.625151
Gm2b_P35446_58821_1	-0.98	-0.36	-0.82	-1.41	-0.27	-0.42	-1.19	-1.18	-1.17	-0.98	-0.26	-3.05	-0.36	0.26	-0.25	-1.36	0.35	0.07	-0.66	0.9717	0.719385	0.423818	1	0.999631	0.921714
Gm2b_P35446_5882_1	-0.46	-1.6	3.33	1.07	-1.07	-1.12	1.74	4.19	-1.05	-0.12	1.71	2.08	0.34	-1.33	-1.59	2.28	-0.23	0.0825	0.425	0.578337	0.804211	0.499666	1	0.999631	0.846622
Gm2b_P35446_5886_1	-0.81	-0.05	-0.9	0.92	0.33	1.18	-1.21	-0.86	-1.15	-0.75	0.34	-0.04	-0.12	-0.54	-0.53	-0.42	-0.05	-0.1	-0.66	0.25064	0.42478	0.78021	1	0.999631	0.684631
Gm2b_P35446_5886_2	-0.46	-1.6	3.33	1.07	-1.07	-1.12	1.74	4.19	-1.05	-0.12	1.71	2.08	0.34	-1.33	-1.59	2.28	0.09	0.2	0.625	0.578337	0.804211	0.499666	1	0.999631	0.846622
Gm2b_P35446_5917_1	-1.65	-1.1	-0.81	-1.27	-1.15	-1.2	-1.13	-0.99	-1.28	-1.67	-0.86	-0.22	-0.12	-1.2	-0.5	-0.015	-0.095	-0.51	0.094865	0.74093	0.600379	0.600379	1	0.999631	0.550879
Gm2b_P35446_5929_1	1.23	0.92	0.98	1.49	0.96	1.19	1.19	1.22	1.04	1.17	1.41	0.62	0.63	0.77	0.9	1.54	0.59	-7.9E-17	-0.12	0.289584	0.95355	0.746569	1	0.999631	0.706164
Gm2b_P35446_5926_2	0.07	0.79	0.31	1.15	1.57	0.65	0.73	1.11	0.43	0.36	0.37	0.54	-0.7	0.61	0.65	0.66	-0.3005	-1.005	1.0575	0.796351	0.161617	1	1	0.928955	
Gm2b_P35446_5930_1	0.99	0.87	0.78	0.87	0.86	0.53	0.48	0.38	-0.16	-0.46	-0.07	-1.1	-0.82	-0.23	-0.33	0.61	0.4225	-0.4	-0.1475	0.012937	0.23679	0.00174	1	0.999631	0.385992
Gm2b_P35446_5930_2	-0.04	0.48	-0.51	0.78	1	0.19	0.45	0.76	0.16	0.06	0.2	0.13	-1.13	0.52	-0.03	0.76	0.2525	-0.9425	-1.6225	0.767035	0.525217	0.939978	1	0.999631	0.915694
Gm2b_P35446_5940_1	0.53	0.41	0.2	0.74	0.85	-0.14	1.17	0.46	0.9	-0.15	0.53	-0.12	-0.29	-0.13	-0.24	2.015	2.865	0.415	0.06679	0.522217	0.329979	0.329979	1	0.999631	0.202722
Gm2b_P35446_51039_1	-0.41	2.86	0.28	-0.22	4.73	1.83	3.8	2.21	4.62	0.31	4.91	5.93	3.59	1.29	0.5	-0.655	-0.5275	-0.2675	0.059684	0.054363	0.045661	0.045661	1	0.999631	0.880252
Gm2b_P35446_51049_1	-0.61	-0.06	0.27	-0.15	-1.63	-0.85	-0.7	-0.99	-0.93	-1.36	-0.56	-0.81	-0.79	-1.03	-0.34	-0.46	-0.0925	-0.2375	-0.0475	0.74589	0.102164	0.169413	1	0.999631	0.799882
Gm2b_P35446_51049_1	-0.81	-0.03	-2.28	-1.3	-1.5	-2.52	-1.46	-2.31	-2.71	-1.55	-1.99	-2.12	-1.77	-2.13	-1.61	-2.1	0.5225	0.5	0.29	0.92332	0.69239	0.648379	1	0.999631	0.979302
Gm2b_P35446_51259_1	0.89	0.131	0.88	-0.01	1.7	0.88	1.19	1.11	2.24	-0.55	0.71	1.78	2.27	0.49	0.18	0.34	0.3075	0.54	0.37	0.554463	0.285234	0.47702	1	0.999631	0.8189109
Gm2b_P35446_5193_1	-0.57	-1.35	-2.27	-1.8	-1.69	-1.29	-1.9	-2.34	-2.08	-1.07	-2.38	-2.62	-1.03	-1.48	-2.07	-2.89	0.13	-1.135	-0.41	0.64919	0.460233	0.274733	1	0.999631	0.799947
Gm2b_P35446_5193_2	-0.16	-0.29	-0.52	0.76	0.49	0.24	0.31	0.33	-0.06	-0.41	0.03	0.27	-1.64	0.2	-0.25	0.4	0.0025	-0.225	0.715	0.424291	0.710774	0.70085	1	0.999631	0.773927
Gm1_P7777_5380_1	-0.57	-1.4	0.05	0.1	0.75	0.14	0.17	0.16	0.45	0.9	-0.12	-0.05	-0.13	-0.25	-0.17	0.05	0.07929	0.99549	0.99549	0.99549	0.99549	0.99549	1	0.999631	0.728079
Gm1_P7777_5431_1	-0.01	-1.36	0	-0.81	-1.37	-1.44	-1.04	-1.04	-1.63	-1.02	-0.51	-0.31	-0.53	-1.45	-0.09	0.17	-0.29	-1.0725	-0.55	0.257223	0.682374	0.862003	1	0.999631	0.601821
Gm1_P7777_5709_1	0.58	-0.27	1.31	-0.03	-0.74	-0.12	1.99	-0.7	-1.61	-0.63	-0.47	0.01	0.74	-1.46	0.5	-0.39	0.0785	0.2925	0.9	0.34213	0.65922	0.404372	1	0.999631	0.73347
Gm1_P7777_5749_1	-1.6	-1.33	0.17	-0.45	-2.31	2.05	1.6	-0.46	-2.26	-1.79	0.19	0.02	-1.86	-1.91	-0.49	-0.39	-0.005	-0.0725	0.4775	0.930279	0.95005	0.72157	1	0.999631	0.961813
Gm1_P7777_5886_1	1.54	0.14	0.5	0.92	0.33	1.18	1.24	1.11	0.32	0.18	0.71	0.18	0.31	0.16	0.17	0.27	0.295	-0.0025	0.2425	0.23447	0.989051	0.11427	1	0.999631	0.8189109
Gm1_P7777_5928_1	0.12	0.27	-0.01	-0.28	0.27	0.1	-0.29	0.21	-0.23	-0.19	-0.15	-0.34	0.12	0.26	-0.78	0.47	0.3425	-0.415	-0.3425	0.561294	0.397762	0.94073	1	0.999631	0.840316
Gm1_P7777_5940_1	-0.38	1	0.29	0.26	0.02	1.61	0.33	0.58	0.13	0.07	0.76	-1.45	-2.32	-1.84	-0.19	0.47	-0.2875	-0.2575	0.1625	0.66739	0.438754	0.428552	1	0.999631	0.883908
Gm2P_ECOC46_510_1	-0.53	0.09	0.83	-0.86	-0.51	-0.54	0.1	1.05	-0.69	-0.34	0.33	1.64	0.5	-0.12	-1.77	-0.25	-0.11375	0.3975	0.747135	0.548341	0.637081	0.637081	1	0.999631	0.914722
Gm2P_ECOC46_510_2	-0.47	-0.61	-0.51	-5.14	-0.5	-0.39	-4.84	-5.76	-0.62	-0.34	-2.92	-4.15	0.1	-0.63	-7.19	-0.48	-0.2575	-0.325	-0.6925	0.896244	0.971377	0.51777	1	0.999631	0.966232
Gm2P_ECOC46_5810_1	-0.2	-0.27	-1.03	-1.13	-0.95	-0.4	-1.12	-2	-0.2	-1.34	-1.34	-1.05	-1.34	-1.2	-2.53	-0.33	-0.245	0.095	0.645	0.1828	0.02158	0.406842	1	0.999631	0.646861
Gm2P_ECOC46_543_1	-0.47	-0.61	-0.51	-5.14	-0.5	-0.39	-4.84	-5.76	-0.62	-0.34	-2.92	-4.15	0.1	-0.63	-7.19	-0.48	-0.2575	-0.325	-0.6925	0.896244	0.971377	0.51777	1	0.999631	0.966232
Gm2P_ECOC46_5810_2	-1.42	-2.44	-0.08	-0.95	-2.28	-1.86	-0.64	-0.53	-2.04	-2.01	-0.54	-0.56	-1.49	-1.23	-0.82	0.23	0.0075	-0.0425	-0.805	0.494947	0.860036	0.931268	1	0.999631	0.810518
Gm2P_ECOC46_5810_3	0.09	2.03	1.21	0.54	1.06	0.66	1.56	0.62	2.37	0.2	1.59	2.28	0.71	0.22	0.79	-0.63	-0.2925	-0.1725	0.4125	0.14098	0.98601	0.297211	1	0.999631	0.616037
Gm2P_ECOC46_567_1	-0.49	0.35																							

Hecw2_O60668_S181s1_2	1.15	-0.37	0.73	1.25	0.77	0.54	1.27	1.24	1.18	0.83	0.21	-0.62	-1.53	0.01	0.2	-0.14	-0.2025	-0.215	-0.3825	0.259272	0.232151	0.750016	1	0.99961	0.609244	
Hecw2_O60668_S480s_1	2.51	-2.56	-3.28	-3.45	-2.73	-3.22	-2.7	-3.86	-2.69	-2.02	-2.58	-3.65	-2.29	1.9	-2.78	-0.16	0.115	0.2525	0.34	0.46989	0.60808	0.610894	1	0.99961	0.791292	
Hecw2_O60668_S48s_1	0.7	0.03	0.4	0.7	0.2	0.34	0.12	0.69	0.3	0.34	0.72	0.34	-0.16	0.4	-0.04	-0.04	-0.04	0.4975	0.469118	0.729427	0.527826	1	0.99961	0.812554		
Hecw2_O60668_S506s_1	-1.22	1.23	0.09	0.12	0.56	0.38	-0.35	-0.09	0.64	-0.09	-0.15	-0.35	1.62	0.36	0.08	0.15	0.085	-0.025	-0.1175	0.319378	0.88008	0.949366	1	0.99961	0.789801	
Hecw2_O60668_S858s_1	1.4	0.93	0.31	0.43	1.35	0.99	0.44	0.63	1.15	0.76	0.23	0.72	0.01	1.08	0.46	1.07	-0.055	0.295	0.5025	0.747799	0.80834	0.818214	1	0.99961	0.916447	
Hepacm_O60403_S280s_1	-0.4	-0.79	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	1	0.99961	0.800874	
Hepacm_O60403_S301s_2	-2	-2.47	-2.37	-2.52	-2.84	-2.52	-1.15	-2.92	-2.3	-2.77	-0.84	-1.45	-1.41	-3.43	-1.73	-1.15	-0.2025	-0.155	0.295	0.856207	0.969566	0.283245	1	0.99961	0.961857	
Hepacm_O60403_S320s_1	-0.51	0.89	0.06	-0.98	-0.14	-1.1	-0.53	0.3	-0.23	-0.172	0.65	0.02	1.82	-0.64	-0.09	-0.475	0.375	0.615	0.647901	0.669966	0.791774	1	0.99961	0.874615		
Hepacm_O60403_S321s_1	-0.12	3.76	4.3	0.83	2.88	3.16	2.27	2.6	3.84	0.25	3.93	3.84	3.51	1.77	3.43	2.41	-0.255	-0.005	0.1525	0.545777	0.601846	0.526898	1	0.99961	0.833826	
Hepacm_O60403_S340s_1	0.44	-0.62	-0.79	-0.62	-0.94	-0.62	0.34	0.62	0.52	0.37	0.72	0.34	-0.16	0.4	-0.04	-0.04	-0.04	0.3525	0.483579	0.314777	0.388385	1	0.99961	0.848385		
Hepacm_O60403_S352s_1	0.87	0.98	0.19	0.93	1.4	0.49	-0.03	0.93	0.88	0.62	0.68	1.25	-1.47	0.93	0.84	1.26	-1.1625	-0.605	-1.9475	0.53791	0.904166	0.707335	1	0.99961	0.838323	
Hepacm_O60403_S366s_2	2.92	0.4	0.29	1.85	0.45	0.25	1.45	-1.64	0.53	2.07	-0.49	0.13	-1.92	-0.56	-0.05	-0.6	-1.1625	-0.605	-1.9475	0.420459	0.198317	0.403516	1	0.99961	0.417284	
Hepacm_O60403_S370s_1	2.92	0.4	0.29	1.85	0.45	0.25	1.45	-1.64	0.53	2.07	-0.49	0.13	-1.92	-0.56	-0.05	-0.6	-1.1625	-0.605	-1.9475	0.420459	0.198317	0.403516	1	0.99961	0.417284	
Hepacm_O60403_S379s_1	-0.54	0.43	0.9	0.16	-0.3	0.3	-0.49	-0.14	-0.38	0.14	0.12	0.12	-0.55	0.56	0.6	0.42	-0.0175	0.475	-0.09	0.961928	0.294873	0.514069	1	0.99961	0.986594	
Hepacm_O60403_S729s_2	-2	-2.47	-2.37	-2.52	-2.84	-2.52	-1.15	-2.92	-2.3	-2.77	-0.84	-1.45	-1.41	-3.43	-1.73	-1.15	-0.2025	-0.155	0.295	0.856207	0.969566	0.283245	1	0.99961	0.951817	
Hepacm_O60403_S738s_1	0.92	-0.83	0.32	-1.29	2.21	0.24	2.49	-1.41	3.87	0.02	-0.21	1.13	3.42	-0.09	-1.46	-1.17	-0.755	-0.5175	-0.5825	0.818189	0.24345	0.147778	1	0.99961	0.939303	
Hecr1_E99298_S153s_1	-0.36	-2.45	-1.72	0.53	1.06	2.39	-1.05	-1.23	-1.66	-1.7	2.46	-2.32	-2.66	-1.61	-2.24	0.69	-2.105	-0.47356	0.329651	0.332433	1	0.99961	0.685751			
Hecr1_E99298_S1406s_1	2.23	0.17	0.88	1.18	1.3	0.74	2.89	0.81	0.52	0.35	1.23	-0.4	-2.15	-0.78	-0.13	-0.085	0.1925	0.285	0.003507	0.593854	0.1988	1	0.99961	0.351308		
Hecr1_E99298_S1428s_1	0.39	-1.64	-1.17	-1.19	-0.31	0.83	-1.47	-1.44	-0.43	0.2	-1.76	-1.23	0.27	-0.83	-1.19	-1.5	-0.0875	0.29	-0.2575	0.39325	0.827013	0.602911	1	0.99961	0.830899	
Hecr1_E99298_S1416s_1	1.32	0.19	0.53	1.06	1.17	1.16	1.4	1.63	1.88	1.1	1.38	1.15	0.68	0.78	0.91	0.4	-0.245	0.005	0.1725	0.447558	0.722827	0.300159	1	0.99961	0.930553	
Hecr1_E99298_S2718s_1	1.27	1.13	1.62	0.82	0.84	1.24	1.06	0.73	1.41	1.28	1.62	0.54	0.18	1.37	1.47	1.13	-0.095	-0.0725	0.28	0.645857	0.397922	0.994055	1	0.99961	0.874615	
Hecr1_E99298_S2718s_2	0.4	-0.16	0.84	0.88	-1.09	-0.17	0.58	0.27	-0.62	0.43	0.99	0.87	0.24	0.03	0.98	1.88	-0.2325	0.035	0.5075	0.551794	0.188882	0.867912	1	0.99961	0.836275	
Hecr1_E99298_S2721s_1	0.57	0.89	1.81	-0.45	0.12	1.63	-0.19	-0.07	0.7	2.06	0.43	-0.65	0.22	1.39	0.37	0.67	-0.2325	0.14	0.3175	0.342528	0.664266	0.954786	1	0.99961	0.727875	
Hecr1_E99298_S2736s_1	0.54	0.43	0.01	-0.51	-0.23	0.7	-0.63	-0.28	1.03	0.8	-0.52	-0.66	0.85	-0.19	-0.6	-0.2	-0.0625	-0.555	0.3	0.701508	0.547348	0.752128	1	0.99961	0.809353	
Hecr1_E99298_S2745s_1	-0.89	-1.22	-0.35	-1.05	-0.68	-1.45	-0.84	-0.79	-0.75	-1.91	-1.39	-1.68	-0.66	-0.63	-1.09	0.07	0.375	0.11	0.9275	0.640398	0.840591	0.138824	1	0.99961	0.769966	
Hecr1_E99298_S4855s_1	-2.14	-0.91	-0.11	-1.13	-0.54	-1.4	-0.04	-0.59	-0.54	-1.04	-1.66	-0.39	0.34	-1.18	0.79	0.37	-0.2025	0.335	-0.625	0.133699	0.464585	0.873993	1	0.99961	0.60492	
Hecr1_E99298_S7699s_1	0.67	-1.07	-1.25	-0.45	-0.5	-0.35	-0.88	-0.22	-0.37	0.39	-0.24	1.29	1.26	0.45	-0.4	-0.25	-0.3075	-0.425	0.207546	0.95547	0.61073	1	0.99961	0.66055		
Hepuq2_O81039_S90s_1	1.1	-0.56	0.38	0.21	-0.81	-0.26	0.64	-0.09	-0.61	0.19	-0.01	-0.35	0.24	0.43	-0.23	-0.55	-0.0005	-0.9975	0.265	0.372777	0.503091	0.376593	1	0.99961	0.724678	
Hgr_O3U043_S240s_1	-1.23	0.32	-0.18	-0.66	0	-0.48	0.73	-0.55	-0.31	-1.22	-0.6	-0.01	0.37	-0.25	-0.61	-0.2	0.065	0.475	0.8575	0.52063	0.994743	0.817586	1	0.99961	0.818986	
Hgmat_O3U049_S206s_1	-0.09	-0.39	-0.1	-1.03	-0.59	0.31	-0.95	0.31	-0.21	-0.39	0.1	0.88	0.71	0.11	0.21	-0.02	0.03	0.4725	-0.4975	0.027278	0.817693	0.731348	1	0.99961	0.423171	
Hid1_O8R156_S592s_1	0.8	1.24	0.52	0.56	0.45	1.03	0.61	0.61	1.84	2.18	0.64	0.56	0.45	1.84	1.4	1.13	-0.04	0.04	-0.2825	0.743301	0.787893	0.446501	1	0.99961	0.817033	
Hid1_O8R156_S669s_1	-0.34	0.2	0.37	0.62	0.7	1.02	0.23	1.34	1	0.22	1.22	0.62	0.27	2.25	1.33	0.82	-0.3075	0.3175	-1.025	0.149493	0.101492	0.131605	1	0.99961	0.616037	
Hid1_O8R156_S709s_1	1.83	1.86	1.49	1.34	0.7	2.41	1.21	0.97	2.47	3.23	0.75	1.34	0.41	1.1	1.01	0.1	0.24	0.385	1.2925	0.015931	0.451133	0.555198	1	0.99961	0.938842	
Hid1_BOX151_S45s_1	2.15	1.4	0.25	1.44	0.25	1.44	0.25	1.44	0.25	1.44	0.25	1.44	0.25	1.44	0.25	1.44	0.25	0.42	0.207546	0.95547	0.61073	1	0.99961	0.66055		
Hidp1_O3U035_S15s_1	0.7	-0.15	0.06	1.26	-0.06	-0.85	0.76	-0.03	0.82	0.97	1.41	1.74	-0.29	0.67	1	1.95	-0.1325	0.1125	0.36	0.75832	0.266146	0.775519	1	0.99961	0.914449	
Hidp2_O3U035_S354s_1	0.07	0.66	0.34	0.26	0.41	0.17	0.22	0	0.46	0.64	0.1	0.58	0.85	0.93	0.69	0.3	-0.52	-0.125	-0.54	0.242617	0.609546	0.648089	1	0.99961	0.685099	
Hidp3_O3U037_S359s_1	0.34	-0.79	0.38	-0.65	-0.48	-1.66	-0.04	-0.62	-1.86	0.57	0.27	0.34	-0.66	-2.26	0.42	-0.38	-0.725	0.01	-0.12	0.369606	0.629328	0.829506	1	0.99961	0.746338	
Hidp3_O8R157_S575s_1	1.5	1.81	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.9125	0.71454	0.799383	0.324693	1	0.99961	0.817033	
Hirp1_O8R157_S80s_1	2.02	-1.19	2.54	2.33	0.11	0.71	2.04	1.32	1.04	1.25	1.18	0.06	0.86	-0.53	1.48	1.16	0.5425	0.32	0.3125	0.194422	0.33895	0.223438	1	0.99961	0.65187	
Histh1a_P43275_S2s_1	-2.12	-2.76	-1.43	-2.4	-1.71	-1.73	-1.71	-1.39	-2.41	-0.89	-2.3	-1.83	-1.56	-1.48	-2.61	-1.81	-0.5425	0.32	0.3125	0.446218	0.127406	0.747462	1	0.99961	0.784601	
Histh1a_P43275_S14s_1	-2.12	-2.76	-1.43	-2.4	-1.71	-1.73	-1.71	-1.39	-2.41	-0.89	-2.3	-1.83	-1.56	-1.48	-2.61	-1.81	-0.5425	0.32	0.3125	0.446218	0.127406	0.747462	1	0.99961	0.784601	
Histh1b_P43275_S18s_1	-2	-3.69	-2.88	-0.1	-0.79	-0.62	-0.1	-0.79	-0.62	-0.1	-0.79	-0.62	-0.1	-0.79	-0.62	-0.1	-0.79	-0.62	-0.1	0.3175	0.447924	0.638302	0.302885	1	0.99961	0.818986
Histh1b_P43275_S18s_2	-1.25	-0.03	0.01	-0.27	-0.46	-0.72	-0.63	-0.74	-0.27	-0.4	-0.2	-0.29	0.07	-0.52	-0.23	0.39	-0.17	-0.555	0.6325	0.417974	0.486719	0.798485	1	0.99961	0.771539	
Histh1b_P43275_S14s_1	-1.25	-0.03	0.01	-0.27	-0.46	-0.72	-0.63	-0.74	-0.27	-0.4	-0.2	-0.29	0.07	-0.52	-0.23	0.39	-0.17	-0.555	0.6325	0.417974	0.486719	0.798485	1	0.99961	0.771539	
Histh1c_P15864_S36s_1	0.34	0.17	0.61	0.11	0.62	0.18	0.64	0.18	0.64	0.18	0.64	0.18	0.64	0.18	0.64	0.18	0.64	0.18	0.8825	0.297565	0.744458	0.752121	1	0.99961	0.817033	
Histh1c_P15864_S146s_1	1.34	0.81	2.53	1.74	-1.48	1.81	2.38	0.78	0.6	1.1	0.51	0.07	0.36	0.2	2.19	0.14	-0.05	-0.0875	0.1275	0.134312	0.374801	0.101859	1	0.99961	0.612425	
Histh1d_P43277_S2s_1	-0.99	-0.79	-0.98	-0.79	-1.07	-1.11	-1.12	-0.45	-1.5	-0.71	-0.79	-0.9	-0.45	-1.03	-0.87	-0.69	-0.0875	-0.1	0.165	0.647895						

Huwei_07TMH9_S19079_1	-0.41	0.6	0.43	0.07	0.26	0.1	-0.11	0.22	0.32	0.15	0.74	0.33	0.7	0.49	0.09	0.84	-0.135	-0.2425	0.13	0.303808	0.854026	0.508467	1	0.999631	0.718521
Huwei_07TMH9_S19179_1	-0.86	-0.91	0.22	-1.21	-0.91	-1.29	-0.36	-0.74	-0.34	-2.35	-0.36	-0.68	-0.21	-1.31	-0.88	0.16	-0.41	-0.745	-1.2275	0.774201	0.723807	0.65124	1	0.999631	0.620998
Huwei_07TMH9_S19181_1	-0.65	-1.1	0.19	-0.39	-0.48	-1.52	-0.8	-0.4	-0.4	-0.39	-0.47	-0.43	-0.46	-1.17	-0.88	-0.16	-0.41	-0.745	-1.2275	0.774201	0.723807	0.65124	1	0.999631	0.620998
Huwei_07TMH9_S19374_1	-0.04	0.03	0.9	0.15	0.35	0.06	-0.23	0.79	0.55	0.32	0.34	1.48	1.3	1.25	1.34	0.84	0.0325	0.0765	0.61326	0.702515	0.505004	1	0.999631	0.388832	
Huwei_07TMH9_S19363_1	-1.08	-0.71	0.35	-1.66	-0.91	-0.78	-0.96	-1.02	-0.91	-0.89	-0.89	-0.88	-0.33	-0.49	-0.16	-0.29	-0.175	0.19	0.4075	0.092662	0.920875	0.862177	1	0.999631	0.555729
Huwei_07TMH9_S19781_1	-1.39	-0.2	0.19	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	0.815	0.517139	0.762024	0.265029	1	0.999631	0.724386
Huwei_07TMH9_S18181_1	-0.02	-1.17	0.55	-0.26	-0.28	-0.58	0.11	0.14	-0.33	-0.08	-0.11	0.44	0.03	0.5	1.06	0.81	-0.245	-0.2875	0.145	0.082512	0.876544	0.641156	1	0.999631	0.537731
Huwei_07TMH9_S19221_1	-0.56	-0.68	-0.94	-0.42	-0.26	-1.29	-0.58	-0.04	-1.32	-1.25	-0.5	-0.68	-0.75	-0.83	-0.42	-0.02	-0.25	0.7565	0.041148	0.888428	0.356619	1	0.999631	0.871335	
Huwei_07TMH9_S19271_1	-0.57	0.81	-0.67	-1.76	0.12	-0.38	-0.82	-0.43	-0.2	-1.78	-0.33	0.15	-0.21	0.79	-0.1	0.39	-0.73	-0.5575	0.16	0.119998	0.950595	0.625951	1	0.999631	0.642116
Huwei_07TMH9_S19301_1	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	0.8255	0.752851	0.69023	0.188453	1	0.999631	0.913137
Huwei_082P96_S945_1	-0.61	2.73	2.27	1	2.16	2.34	2.66	2.08	-0.1	0.84	1.93	1.53	2.01	2.12	2.06	0.3	0.7425	0.06	0.398967	0.807679	0.840593	1	0.999631	0.761767	
Ica11_02Q6W5_S294_1	-0.25	1.52	-0.46	-2.34	0.27	1.12	-2.71	-2.61	1.14	1.13	-2.34	-2.09	1.88	1.56	-0.36	-2.87	0.2	0.1925	-2.617	0.666971	0.371673	0.758652	1	0.999631	0.80264
Ica11_02Q6W6_T1607_1	-1.12	-1.07	-0.01	-1.07	-0.01	-1.07	-0.01	-1.07	-0.01	-1.07	-0.01	-1.07	-0.01	-1.07	-0.01	-1.07	-0.01	-1.07	0.115	0.578196	0.217994	0.13	1	0.999631	0.909512
Iffmgr_1P15261_S296_1	0.9	0.6	0.66	0.72	1.93	1.66	1.23	1.15	1.67	-0.09	-1.99	1.7	-0.24	1.47	1.67	0.44	-0.455	-0.36	-0.05	0.799044	0.018638	0.218395	1	0.999631	0.930937
Iffmgr_1P15261_T3731_1	-0.45	0.38	0.13	0.05	-1	-0.16	-0.64	-0.49	-1.31	0.07	-0.27	0.18	-0.61	0.01	0.32	0.19	0.5425	-1.27	1.215	0.882089	0.971881	0.373778	1	0.999631	0.965751
Iffmgr_02Q6W5_T3331_1	-2.84	0.19	-0.35	-1.79	-0.38	-0.65	-0.73	0.55	-1.02	0.17	0.59	1.58	-0.11	-0.61	-0.79	0.505	0.0975	0.3325	0.131078	0.35564	0.904288	1	0.999631	0.610218	
Iffmgr_02Q6W7_T381_1	-1.94	-0.45	-0.05	-0.23	-0.02	-0.48	-0.62	-0.43	-0.37	-0.41	-0.36	-0.2	0.15	0.15	0.15	-0.4	-0.5625	-0.2	0.545	0.32298	0.860839	0.746832	1	0.999631	0.724386
Iffmgr_02Q6W7_T381_1	-1.02	-0.48	0.67	-0.28	-1.1	-0.37	-0.17	-0.02	-0.45	0.68	-0.1	0	-0.62	-0.19	-0.14	-0.3	0.16	0.165	0.9295	0.5562	0.225262	0.64498	1	0.999631	0.653056
Iffmgr_02Q6W7_T381_1	-2.27	-2.94	-2.49	-0.92	-1.2	-2.49	-1.84	-2.45	-2.28	-2.17	-1.73	-1.78	-1.98	-0.4	-0.24	-1.22	-1.22	-0.675	-0.3425	0.607653	0.748349	0.13473	1	0.999631	0.858627
Iffmgr_02Q6W7_T381_1	-2.15	-1.08	-0.25	1.5	2.45	0.64	1.34	1.37	0.2	1.46	1.85	1.51	0.16	0.09	1.14	-0.88	0.2575	0.045	0.03	0.598688	0.274238	0.55725	1	0.999631	0.955557
Iffmgr_02Q6W7_T381_1	-0.39	-0.14	-0.09	-0.72	-1.17	-0.72	-1.87	-0.61	-0.98	-0.3	-0.9	-0.02	-0.25	-0.62	-0.55	-0.26	0.03	0.665	0.95216	0.403812	0.889716	1	0.999631	0.975509	
Iffmgr_02Q6W7_T381_1	-0.56	-0.36	-0.19	-0.71	-1.4	-0.24	-0.62	-0.62	-0.63	-0.28	-0.51	-0.28	1.13	-0.12	-0.13	-0.04	-0.9575	-0.7525	-0.5925	0.096751	0.413632	0.909311	1	0.999631	0.55886
Iffmgr_02Q6W7_T381_1	-0.52	-0.55	-0.27	-0.28	-3.29	-0.96	-0.58	-3.18	-4.12	0.58	-1.93	-1.72	-0.06	-2.81	-1.61	-2.07	-1.45	0.44	0.845	0.55026	0.324044	0.495716	1	0.999631	0.814092
Iffmgr_02Q6W7_T381_1	-0.78	-0.03	-0.79	0.15	-0.05	-0.31	-0.39	-0.42	0.46	-0.06	0.15	-0.18	1.03	0.39	0.1	0.67	0.08	0.1375	1.025	0.048331	0.657005	0.212122	1	0.999631	0.64843
Iffmgr_02Q6W7_T381_1	-0.92	-1.77	-0.82	-1.65	-1.96	-0.54	-1.96	-1.02	-1.84	-0.68	-1.15	-1.58	0.71	0.04	-1.46	-0.4	0.4425	0.445	0.955	0.046498	0.850574	0.580326	1	0.999631	0.514885
Iffmgr_02Q6W7_T381_1	-1.15	0.01	0.16	-0.03	-0.21	-0.1	-0.17	1.24	0.31	-0.57	0.78	0.25	0.57	0.32	1.1	0.82	-0.3175	-0.0175	0.1325	0.028954	0.337478	0.300474	1	0.999631	0.428466
Iffmgr_02Q6W7_T381_1	-0.15	-0.4	-0.05	-0.19	-0.4	-0.04	-0.1	-0.02	-0.09	0.12	-0.36	0.17	0.36	0.16	-0.38	-0.05	-0.1	0.04	0.645058	0.20224	0.355003	1	0.999631	0.808988	
Iffmgr_02Q6W7_T381_1	-0.78	-0.58	-0.62	-1.25	-1.4	-0.7	-1.16	-0.46	-1.23	-0.8	-0.6	-2.22	-0.05	-0.32	-0.79	-0.31	0.8375	0.39	-1.905	0.17826	0.68812	0.238025	1	0.999631	0.647292
Iffmgr_02Q6W7_T381_1	3.38	0.33	-1.54	-2.35	3.01	1.24	0.43	1.19	1.86	0.7	0.96	-0.56	-2.39	0.02	-0.26	-0.47	-0.5975	0.42	0.4	0.918589	0.418029	0.707265	1	0.999631	0.557085
Iffmgr_02Q6W7_T381_1	0.13	0.61	-0.6	-0.37	1.26	0.72	-0.11	1.03	1.23	0.2	0.51	0.25	0.67	0.96	0.14	0.5	-0.225	0.075	-0.275	0.241191	0.159674	0.28109	1	0.999631	0.684359
Iffmgr_02Q6W7_T381_1	-0.09	-0.05	-0.65	-0.05	-0.65	-0.05	-0.65	-0.05	-0.65	-0.05	-0.65	-0.05	-0.65	-0.05	-0.65	-0.05	-0.65	-0.05	0.333388	0.478	0.484917	1	0.999631	0.973403	
Iffmgr_02Q6W7_T381_1	-0.83	-0.09	-0.6	-0.59	-0.24	-0.37	-0.9	-0.66	-0.33	-0.83	-0.58	-0.24	0.07	-0.1	-0.45	-0.31	-0.4	-0.4725	-0.2075	0.377799	0.844066	0.967617	1	0.999631	0.750463
Iffmgr_02Q6W7_T381_1	-0.6	-0.17	0.35	1.79	-0.42	0.18	-0.89	0.68	0.02	-0.39	0.44	-0.17	-0.48	-0.45	1.61	1.06	0.0225	-0.195	-0.905	0.751564	0.425156	0.96473	1	0.999631	0.90759
Iffmgr_02Q6W7_T381_1	-4.47	-1.7	-0.55	-2.11	-1.78	-2.99	-2.51	-1.46	-2.37	-1.8	-2.1	-1.87	-2.1	-1.8	-2.1	-1.8	-2.1	-1.8	0.275	0.286522	0.883164	0.581742	1	0.999631	0.808988
Iffmgr_02Q6W7_T381_1	-0.78	-0.4	0.13	0.03	0.1	0.09	0.15	0.55	0.39	-0.02	-0.38	0.47	1.14	1.02	0.31	-0.17	1.01	0.0275	-0.345	-0.3225	0.63312	0.29419	1	0.999631	0.865659
Iffmgr_02Q6W7_T381_1	0.49	0.08	0.27	0.39	0.12	0.06	0.38	0.24	0.37	-0.61	-0.21	0.3	0.6	-0.3	-0.13	-0.23	-0.6325	-0.26	0.73	0.318621	0.913222	0.248463	1	0.999631	0.721258
Iffmgr_02Q6W7_T381_1	0.67	-0.84	0.08	-0.19	-1.35	-0.16	-0.12	-1.18	-0.39	0.83	-0.56	-1.2	-0.41	-0.95	-0.42	-1.42	-0.75	-0.55	0.7925	0.130681	0.173431	0.65649	1	0.999631	0.564448
Iffmgr_02Q6W7_T381_1	-0.91	-0.29	-0.19	-0.59	-0.81	-0.38	-0.4	-0.7	-1.2	-0.4	-0.7	-1.2	-0.4	-0.7	-1.2	-0.4	-0.7	-1.2	-0.4	0.361411	0.327208	0.419997	1	0.999631	0.695005
Iffmgr_02Q6W7_T381_1	0.08	0.68	-0.97	-0.46	0.88	-0.51	-0.74	-2.08	0.64	-0.62	-3.19	-0.47	-0.05	0.07	-1.31	-1.34	0.4	0.19	-0.77	0.340568	0.485579	0.351904	1	0.999631	0.736032
Iffmgr_02Q6W7_T381_1	-0.03	-1.55	-0.28	0.23	-0.25	-0.2	-0.26	0.84	0.3	-1.03	0.02	0.44	-1	-1.7	-0.84	-1.17	0.125	0.0825	0.195	0.104576	0.349575	0.694227	1	0.999631	0.581286
Iffmgr_02Q6W7_T381_1	0.92	0.28	0.74	1.16	0.29	0.18	0.37	0.59	0.5	0.42	1.05	1.46	0.57	1.55	1.78	0.615	0.21	-0.06	0.670701	0.791556	0.812725	1	0.999631	0.884315	
Iffmgr_02Q6W7_T381_1	0.23	0.22	-2.22	-0.55	1.89	-0.23	-0.37	-1	-0.67	-0.93	-1.86	-1.86	-0.08	0.33	-0.98	-1.77	0.225	-0.22	-0.045	0.945974	0.993375	0.753043	1	0.999631	0.882217
Iffmgr_02Q6W7_T381_1	0.23	0.22	-2.22	-0.55	1.89	-0.23	-0.37	-1	-0.67	-0.93	-1.86	-1.86	-0.08	0.33	-0.98	-1.77	0.225	-0.22	-0.045	0.945974	0.993375	0.753043	1	0.999631	0.882217
Iffmgr_02Q6W7_T381_1	0.23	0.22	-2.22	-0.55	1.89	-0.23	-0.37	-1	-0.67	-0.93	-1.86	-1.86	-0.08	0.33	-0.98	-1.77	0.225	-0.22	-0.045	0.945974	0.993375	0.753043	1	0.999631	0.882217
Iffmgr_02Q6W7_T381_1	-1.95	-0.39	0.28	0.2	2.31	1.14	0.11	0.65	-0.48	-1.87	-0.03	0.59	2.53	0.49	0.5	0.16	-0.35	-0.405	-0.815	0.683121	0.94184	0.40306	1	0.999631	0.855257
Iffmgr_02Q6W7_T381_1	0.37	-1.57	-0.31	-0.11	-0.96	-0.97	-0.26	-0.86	-0.98	0.43	-1.91	-0.96	-1.69	-1.02	-1.15	-1.02	1.0275	0.4275	1.4475	0.091144	0.420097	0.84775	1	0.999631	0.557085
Iffmgr_02Q6W7_T381_1	-0.21	2.33	2.4	-0.09	4.16	1.04	2.88	0.46	6.76	-2.13	4.56	4.95	6.64	1.09	1.7	0.79	0.134	0.039	0.31	0.284746					

Itm1_EIQND0_5976,1	-0.21	0.29	0.04	0.16	0.07	0.08	-0.44	-0.07	-0.22	-0.11	0.13	-0.6	0.79	-0.35	-0.18	0.19	-0.105	-0.1325	-0.5025	0.308407	0.598421	0.38576	1	0.99961	7.718521
Itm1_EIQND0_5984,1	0.28	0.13	-0.23	0.99	0.32	0.72	-0.29	0	-0.29	0.58	0.28	0.07	2.81	1.21	0.44	0.32	-0.125	0.0275	0.185	0.538811	0.77058	0.70787	1	0.99961	8.830294
Itm1_EIQND0_71147,1	-0.28	0.36	0.55	0.75	0.4	0.59	-0.54	-0.04	-0.76	-0.52	0.04	-0.76	-0.52	0.04	-0.76	-0.52	0.04	-0.76	-0.52	0.04	0.531482	0.914629	1	0.99961	9.314629
Itm1_EIQNG1_5110,1	-0.83	0.11	-0.63	0.27	0.59	0.6	-0.38	-0.38	0	-0.49	-0.35	-0.5	0.09	0.2	0	0	-0.4275	0.435	-0.8025	0.160455	0.87085	0.820023	1	0.99961	0.630397
Itm1_OCR108_5261,1	0.93	0.9	2.75	2.33	1.81	1.12	1.64	1.63	1.65	2.19	2.7	2.11	0.67	0.7	0.82	1.51	-0.7225	-0.405	-1.6525	0.123991	0.91588	0.931282	1	0.99961	0.600575
Itm1_OCR108_5299,1	1.1	1.45	2.1	1.45	2.21	1.45	1.45	1.45	1.45	2.21	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	-1.05	0.050151	0.122545	0.41	0.96658	0.101308	
Itm1_OCR108_5667,1	2.1	2.29	0.06	2.07	1.38	1.13	1.65	1.78	1.44	1.97	2.12	-0.73	1.41	-0.44	0.02	1.27	0.305	-0.105	0.375	0.133264	0.904937	0.931282	1	0.99961	0.600317
Itm1_OCR105_51193,1	0.64	1.57	0.87	-0.11	1.81	2.31	0.53	-0.47	1.93	1.34	-0.39	-0.33	0.84	1.67	0.75	1.21	-0.7575	-0.5025	-0.7825	0.308204	0.63964	0.865238	1	0.99961	0.752364
Itm1_OCR105_5199,1	0.93	0.3	1.26	0.45	-1.15	-0.09	1.33	-0.78	-0.72	1.11	-0.03	-0.03	0.51	-0.26	0.4	-0.42	-0.539	0.6	0.6175	0.080268	0.2145	0.51561	1	0.99961	0.54792
Itm1_OCR105_71146,1	0.61	1.01	1.09	0.17	0.8	0.8	-0.8	-0.8	-0.8	0.8	-0.8	-0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4575	0.2074	0.21849	0.54792	1	0.99961	0.664
Itm1_OCR105_5523,1	0	-0.07	-1.74	-1.52	-0.71	-0.17	-0.89	-0.69	0.55	0.53	-0.85	-0.58	-0.1	0.18	-0.91	-0.67	-0.2525	-1.0525	-1.515	0.373511	0.642711	0.195013	1	0.99961	0.747035
Itm1_OCR105_7570,1	0.48	0.2	-0.58	0.44	0.25	0.65	0.1	-0.17	-0.11	-1.08	-0.6	-0.68	2.52	0.1	-2.08	-1.02	-0.4925	-0.29	0.3625	0.024831	0.472817	0.011308	1	0.99961	0.418003
Itm1_OCR105_7185,1	-0.16	-0.26	-0.51	-0.06	-0.16	-0.57	-0.19	-0.4	0.15	-0.41	-0.68	-0.7	0.9	0.14	-0.8	0.11	-0.79	-0.31375	0.123871	0.457165	0.91748	0.91748	1	0.99961	0.710939
Itm1_OCR105_5359,1	-0.67	-0.36	0.96	0.64	-0.64	-0.3	1.12	0.79	0	0.09	0.27	0.93	-0.75	-1.74	-0.61	0.51	-0.015	0.325	-0.8875	0.179404	0.850813	0.662931	1	0.99961	0.64376
Itm1_OCR105_5260,1	-1.31	-1.63	-0.55	-0.72	-1.33	-1.65	-0.09	-1.2	-1.08	-1.14	-0.5	-0.19	-1.73	-2.56	-0.87	-2.6	0.805	0.3325	0.083475	0.971414	0.388662	0.91748	1	0.99961	0.547932
Itm1_OCR105_5278,1	0.31	-0.98	-2.29	-1.88	-0.7	-0.54	1.3	-1.26	-0.43	0.71	-0.97	-0.93	0.36	0.3	-1.21	-1.44	-0.8974	0.1	0.146	0.584425	0.584425	0.220543	1	0.99961	0.849212
Itm1_OCR105_5584,1	-0.64	-1.44	0.16	0.05	-0.65	0.01	-0.12	1.13	-0.45	0.3	0.36	-0.05	0.1	-0.09	0.16	1.13	-0.45	-0.2975	-0.18	0.713307	0.869917	0.523776	1	0.99961	0.915411
Itm1_OCR105_798,1	1.32	1.08	-0.76	1.15	0.41	0.67	0.89	-0.26	1.08	0.91	0.86	0.31	0.89	0.61	0.83	1.22	0.05	0.035	0.05	0.518451	0.067297	0.33414	1	0.99961	0.818449
Itm1_OCR105_5351,1	-0.05	0.21	0.11	0.39	-0.18	0.45	0.25	0.34	-0.29	0.1	0.64	0.35	-0.07	0.19	0.03	0.71	-0.0025	0.015	0.3925	0.686086	0.850215	0.936105	1	0.99961	0.95689
Itm1_OCR105_5405,1	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	0.06	0.06	0.06	0.06	1	0.99961	0.95689
Itm1_OCR105_5488,1	0.09	0.54	0.39	-0.87	-0.11	-0.15	-0.32	-0.04	0.03	0.03	-0.44	-0.79	-0.2	-0.88	-0.85	-0.27	-0.885	-0.0775	-1.23	0.157993	0.860025	0.38424	1	0.99961	0.628615
Itm1_OCR105_5543,1	1.47	-1.17	-0.02	0.13	-0.88	-0.55	0.63	-0.19	-0.07	1.3	-0.24	-0.53	-1.94	-0.91	-0.25	-1.67	0.125	-0.0425	-0.345	0.065079	0.622746	0.899774	1	0.99961	0.515889
Itm1_OCR105_5655,1	0.01	-0.68	-0.28	0.96	0.1	0.13	0.16	0.38	-0.51	-0.24	-0.97	-0.38	-0.59	-0.35	-0.2	-0.23	0.35	0.225	0.02	0.386273	0.741878	0.928095	1	0.99961	0.756414
Itm1_OCR105_5888,1	-0.86	-0.7	-0.81	-0.52	-0.06	-0.2	-0.97	-0.61	-0.53	-0.78	-0.65	-0.32	-0.54	0.11	-1.47	-1.2	0.225	-0.0474	0.0625	0.959897	0.361116	0.38747	1	0.99961	0.98053
Itm1_OCR105_5941,1	1.69	-0.61	0.78	0.78	0.38	0.35	0.99	1.82	0.56	0	0.81	-0.52	0.04	1.09	0.75	1.09	-0.2375	0.04	0.4225	0.903516	0.37894	0.402834	1	0.99961	0.968183
Itm1_OCR105_71001,1	-0.01	0.08	-0.02	0.57	0.07	0.24	-0.09	-0.07	0.48	-0.61	0.74	0.17	0.46	0.92	0.77	0.16	0.01	0.525	-0.4825	0.196662	0.670991	0.911113	1	0.99961	0.635056
Itm1_OCR105_51870,1	-0.16	-0.25	0.29	0.09	-0.1	0.36	0.1	0.37	0.35	0.1	0.35	0.1	0.35	0.1	0.35	0.1	0.35	0.1	0.6125	0.35064	0.979824	0.30193	1	0.99961	0.915411
Itm1_OCR105_5617,1	0.62	0.39	0.73	0.46	0.29	0.2	0	0.62	1.31	0.95	0.51	0.52	1.27	1.25	0.94	1.19	0.67	0.325	0.6	0.043042	0.305581	0.361129	1	0.99961	0.475443
Itm1_OCR105_5108,1	0.39	0.9	0.11	0.8	1.44	1.48	0.65	1.31	1.64	0.59	0.33	0.94	0.6	1.87	1.15	0.88	-0.4575	-0.6	-1.6	0.126508	0.057251	0.386122	1	0.99961	0.596745
Itm1_OCR105_575,1	2.88	0.81	1.56	1.32	0.12	1.59	2.26	0.77	0.82	2.33	0.8	0.22	-1.11	0.38	1.05	-0.15	0.6325	0.173	0.3325	0.019294	0.406013	0.313757	1	0.99961	0.91668
Itm1_OCR105_5157,1	-1.28	-1.37	-1.15	-0.24	-1.06	-0.53	-1.38	-1.36	-1.14	-1.64	-1.79	-2.07	1.4	-2.35	-1.69	0.11	0.8215	0.450586	0.207735	0.197879	0.197879	0.197879	1	0.99961	0.915411
Itm1_OCR105_5186,1	-2.16	-2.72	-0.85	-1.18	-2.57	-1.35	-1.29	-0.64	-2.91	-2.42	-1.47	-1.91	-1.1	-2.41	0.28	0.61	0.48	0.025	0.165	0.311661	0.692729	0.262338	1	0.99961	0.719294
Itm1_OCR105_5216,1	-0.54	0.76	0.36	0.41	0.6	1.26	0.44	0.61	0.56	0.02	0.68	-0.17	0.53	0.73	0.1	1.35	-0.205	0.6625	0.7	0.730234	0.49941	0.94634	1	0.99961	0.906091
Itm1_OCR105_5488,1	1.06	0.7	1.06	0.7	1.06	0.7	1.06	0.7	1.06	0.7	1.06	0.7	1.06	0.7	1.06	0.7	1.06	0.7	-0.75	0.12195	0.61151	0.4804	1	0.99961	0.915411
Itm1_OCR105_5490,1	2.58	-0.29	0.79	1.32	-0.37	0.69	1.57	0.61	-0.23	1.44	-0.34	-0.71	-1.07	-0.1	-0.18	-0.24	0.1075	-0.215	-0.08	0.01447	0.465004	0.20799	1	0.99961	0.355092
Itm1_OCR105_5166,1	0.09	-0.26	0.14	0.09	0.12	0.19	0.26	0.3	-0.35	-0.19	0.03	-0.29	-0.67	0	0.06	0.35	0.185	0.5	0.6225	0.027414	0.67566	0.411115	1	0.99961	0.91668
Itm1_OCR105_5186,1	-0.06	-1.18	0.06	-0.28	0.84	-1.14	-0.33	-0.09	0.95	1.38	-0.09	-1.88	-0.52	1.42	0.4	-0.27	-0.365	-0.3825	0.06	0.227988	0.659647	0.75952	1	0.99961	0.670308
Itm1_OCR105_5400,1	-0.12	-0.25	-0.52	-0.13	-1.23	-1.19	-0.83	-1.14	-1.28	-1.14	-1.28	-1.14	-1.28	-1.14	-1.28	-1.14	-1.28	-1.14	-0.12	0.85134	0.21133	0.288475	1	0.99961	0.915411
Itm1_OCR105_5506,1	0.96	0.88	1.39	1.11	0.48	1.29	0.94	0.5	1.31	1.47	1.22	1.3	0.96	0.69	1.01	1.17	0.105	-0.6475	-0.1875	0.653301	0.83109	0.360712	1	0.99961	0.87811
Itm1_OCR105_5787,1	-0.85	-0.63	-1.15	-0.58	-1.61	-1.52	-1.19	-0.47	-2.3	-0.6	-1.35	-1.75	-1.73	-0.96	-2.41	-0.86	-0.675	0.17	0.655	0.731369	0.384703	0.912166	1	0.99961	0.908987
Itm1_OCR105_7162,1	-0.17	0.14	0.53	0.02	-0.32	-0.62	-0.44	-0.77	0.64	-0.61	0.36	1.35	0.26	0.64	0.89	0.555	0.175	-0.115	0.07979	0.038223	0.651447	0.651447	1	0.99961	0.540679
Itm1_OCR105_7569,1	0.57	0.77	0.58	0.44	-0.03	0.57	0.63	0.57	0.59	0.69	0.59	0.69	0.59	0.69	0.59	0.69	0.59	0.69	0.6457	0.48206	0.30071	0.743803	1	0.99961	0.915411
Itm1_OCR105_5731,1	0.05	0.49	0.02	1.45	-0.4	0.67	1.07	0.71	0.5	1.84	2.1	1.07	1.02	1.52	0.87	0.005	0.5325	0.7525	0.298889	0.34572	0.2832	0.2832	1	0.99961	0.70629
Itm1_OCR105_5186,1	-2.42	-0.93	1.73	-1.65	-1.17	-0.36	-1.52	-2.67	-2.33	-2.77	-0.85	-1.99	-1.76	-1.01	-0.96	-0.5125	0.585	-0.845	0.049631	0.996287	0.92621	0.362121	1	0.99961	0.558128
Itm1_OCR105_5186,1	-0.42	0.52	0.92	0.52	0.92	0.52	0.92	0.52	0.92	0.52	0.92	0.52	0.92	0.52	0.92	0.52	0.92	0.52	-0.145	0.20154	0.217462	0.80861	1	0.99961	0.659692
Itm1_OCR105_5455,1	-0.43	-0.76	-0.38	-0.86	-1.35	-1.79	-1.07	-1.17	-0.84	-0.58	-0.83	-0.69	-0.25	-1.02	-1.19	-0.55	-0.445	-0.6225	0.656808	0.029371	0.626123	0.626123	1	0.99961	0.879506
Itm1_OCR105_5887,1	0.81	-0.23	0.43	0.3	-0.07	0.32	0	-0.49	0.15	0.76	0.14	0.08	-0.5	-0.26	-0.13	-0.29	-0.275	-0.095	-0.5275	0.072231	0.				

Kenn2_P58930_58279_2	1.49	-0.7	0.18	0.03	-0.01	0.05	0.39	-0.77	-0.05	0.52	-0.49	-1.74	-1.04	-1.87	-2.24	-1.79	-0.8	-0.8575	-1.075	0.00255	0.386219	0.268913	1	0.999631	0.503304
Kenn2_P58930_58386_1	1.14	-0.65	-0.88	-1.64	-1.45	-0.75	-0.46	-2.52	-1	-0.95	-2.03	-1.44	-0.55	-1.41	-1.4	-1.92	-0.8	-0.8575	-1.075	0.138431	0.245316	0.146891	1	0.999631	0.611214
Kenn2_P58930_5839_1	1.14	-0.65	-0.88	-1.64	-1.45	-0.75	-0.46	-2.52	-1	-0.95	-2.03	-1.44	-0.55	-1.41	-1.4	-1.92	-0.8	-0.8575	-1.075	0.138431	0.245316	0.146891	1	0.999631	0.611214
Kenn2_878793_52381_1	-1.16	-0.51	1.22	-0.87	-0.58	-0.08	-0.21	0.62	-0.89	-0.79	0.67	1.31	-0.12	0.46	1.48	1.46	0.255	-0.2425	-0.1925	0.264635	0.766448	0.598016	1	0.999631	0.696664
Kenn2_878793_5302_1	0.3	0.45	-0.21	0.59	0.59	0.16	0.64	1.08	0.57	0.02	-0.33	-0.1	0.2	0.32	0.77	0.61	0.64	-0.605	-0.935	0.163257	0.464723	0.454179	1	0.999631	0.862103
Kenn2_878793_5312_1	0.56	0.46	0.04	0.49	0.49	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Kenn2_878793_5322_1	-0.56	-0.19	-0.43	-0.8	-1.17	-1	-0.6	-0.1	-0.48	-0.35	-0.3	-0.51	-0.12	-0.43	-0.69	-0.15	-0.9675	-1.4255	-0.855	-0.217513	-0.933798	-0.245448	1	0.999631	-0.669718
Kenn2_878793_5332_1	-0.93	-0.93	-0.78	-1.44	-2.07	-0.89	-2.07	-1.36	-1.02	-0.47	-1.66	0.06	0.93	-1	0.72	0.25	0.335	-0.21	0.2725	0.117197	0.089599	0.800888	1	0.999631	0.613497
Kenn2_878793_5339_1	-0.34	-0.76	-0.15	-0.6	-0.99	-0.63	-0.78	-0.79	-0.95	-0.34	-0.91	-0.49	-0.07	-0.28	-0.21	0.17	1.66	-0.005	0.341822	0.216986	0.744807	1	0.999631	0.736557	
Kenn2_878793_5359_1	-0.14	-0.4	-0.2	-0.4	-0.3	0.14	0.43	0.82	-0.47	-0.34	0.18	1.81	0.28	0.88	0.03	0.03	0.03	-0.145	-0.94727	0.071479	0.088707	1	0.999631	0.989701	
Kenn2_878793_5379_1	-1.2	-1.31	-0.39	-0.86	-1.67	-1.5	-0.81	-0.28	-0.24	-1.78	-1.84	-2.04	-1.17	-1.75	-0.55	-0.87	0.5115	-0.88	-1.5925	0.96681	0.74935	0.075889	1	0.999631	0.89731
Kenn2_088436_5666_1	1.38	-1.04	0.26	1.14	-1.18	0.84	1.95	-0.25	-1.43	-0.59	-0.08	-0.24	-2.16	-2.24	0.21	-0.44	-0.1	-0.2425	0.3425	0.002025	0.512807	0.117756	1	0.999631	0.488436
Kenn2_088436_7589_1	-0.42	-0.25	-0.27	-0.43	-0.43	-0.1	-0.43	-0.55	-0.16	-0.43	0.03	0.13	-0.1	-0.36	0.15	-0.36	0.15	0.8215	0.212513	0.684179	0.345216	1	0.999631	0.680303	
Kenn2_088436_7821_1	-0.33	-1.95	0	0.1	-0.2	-0.73	-0.47	0.19	0.06	0	-0.58	-0.24	0.08	-0.04	0.5	0.57	-0.275	-1.3525	-2.235	0.113989	0.62075	0.500173	1	0.999631	0.579001
Kenn2_090871_5461_1	2.92	-0.38	-0.19	0.63	0.16	0.4	2.37	-0.05	-0.59	0.71	-0.58	-0.97	-2.22	-1.13	-0.95	-0.66	0.5125	0.21	0.49	0.013191	0.74332	0.10196	1	0.999631	0.30092
Kenn2_090871_5467_1	-1.25	-1.38	-1.31	-0.35	-0.75	-1.71	-0.15	0.37	-1.68	-1.16	0.38	-0.99	0	1.3	-0.64	-0.39	-0.44	0.225	0.21109	0.301297	0.640402	1	0.999631	0.681463	
Kenn2_090871_5473_1	-0.66	-1.32	-0.48	-0.37	-1.85	-0.85	-1.05	-0.35	-0.78	0.25	-0.57	-0.65	-0.36	-1.56	-0.29	-0.39	0.06	-0.1825	0.2	0.684823	0.420888	0.541431	1	0.999631	0.665005
Kenn2_090871_5479_1	-1.25	-1.38	-1.31	-0.35	-0.75	-1.71	-0.15	0.37	-1.68	-1.16	0.38	-0.99	0	1.3	-0.64	-0.39	0.785	-0.7725	0.6425	0.21109	0.301297	0.640402	1	0.999631	0.681463
Kenn2_090871_579_1	0.5	1.44	-1.49	1.63	1.87	1.39	0.02	1.98	0.5	-0.25	0.28	0.54	1.56	1.31	-0.59	1.65	-0.2	-0.2675	-0.115	0.55333	0.307179	0.260748	1	0.999631	0.880939
Kenn2_093174_5441_1	-0.29	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.025	0.272409	0.460559	0.347953	1	0.999631	0.905264	
Kenn2_093174_5441_1	-0.81	-0.201	1.36	0.13	-1.5	-1.65	0.61	1.04	-2.23	-2.34	1.16	2.93	-2.19	-1.55	0.72	0.25	0.2475	0.205	0.2725	0.715177	0.979126	0.826275	1	0.999631	0.903605
Kenn2_093174_5441_1	-0.26	0.1	-0.53	0.13	0.53	-0.26	-0.09	-0.01	-0.26	-0.24	0.29	0.21	0.01	0.09	0.18	-0.265	-0.4125	-0.0575	0.339611	0.40018	0.479721	1	0.999631	0.732185	
Kenn2_093174_5441_1	0.57	-0.23	-0.79	-0.74	-0.31	-0.31	-0.42	-1.21	-1.38	0.66	-1	-1.12	0.06	-0.53	-0.2	-0.75	-0.3175	0.07	0.0575	0.882327	0.503505	0.439795	1	0.999631	0.665005
Kenn2_093174_5441_1	-1.32	-0.42	-0.2	-0.3	-1.12	-0.46	-0.94	-1.3	-0.76	-0.31	-0.22	-0.29	-0.22	-0.55	0	-0.47	0.51525	0.21	0.49	0.435389	0.175007	0.619398	1	0.999631	0.708701
Kenn2_093174_5441_1	0.78	-0.37	-3.76	-4.46	0.35	-0.85	-2.65	-4.42	-0.72	-1.08	-2.66	-3.78	-0.9	-0.19	-0.57	-3.5	-0.475	0.1375	0.5	0.681706	0.965781	0.884664	1	0.999631	0.88924
Kenn2_093174_5441_1	-0.35	1.33	0.69	-0.24	1.74	1.4	0.31	0.17	1.51	-1	-0.97	0.88	2.3	0.51	0.66	0.44	-0.7525	-0.075	0.309259	0.988384	0.818502	1	0.999631	0.741182	
Kenn2_093174_5441_1	1.2	1.3	1.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.025	0.0975	0.020163	0.89849	1	0.999631	0.503304	
Kenn2_093174_5441_1	-0.12	0.6	0.24	-0.19	0.46	0.75	0.06	0.47	0.54	-0.13	-0.36	0.09	0.72	0.23	0.62	0.09	0.075	0.24	0.485	0.183251	0.321181	0.762683	1	0.999631	0.644372
Kenn2_093174_5441_1	-0.84	-0.55	-0.91	-0.94	-0.64	-0.7	-0.89	-0.58	-0.45	-0.7	-0.8	-0.33	-0.34	-0.07	-0.58	-0.31	0.98	0.6875	0.2925	0.10519	0.661212	0.371183	1	0.999631	0.568213
Kenn2_093174_5441_1	-1.68	-1.54	-0.65	-2.03	0	0.35	-0.28	-0.05	0.9	-1.32	1.1	-0.73	-0.75	-1.04	-1.14	-0.51	0.005	-0.1425	0.1825	0.613309	0.106124	0.351122	1	0.999631	0.889666
Kenn2_093174_5441_1	-0.55	0.13	-0.13	0.73	-0.23	0.1	0.07	0.13	-0.17	0.27	0.31	-0.41	0.2	-0.26	0.41	0.11	0.09	0.1	0.245	0.569595	0.867215	0.566465	1	0.999631	0.84838
Kenn2_093174_5441_1	-1.55	-2.45	-0.28	-1.04	-1.78	-1.76	-0.81	-0.61	-1.63	-1.81	-1.57	-0.35	-2.24	-1.56	-0.03	-0.51	-0.0975	-0.385	-0.11	0.690785	0.806351	0.944882	1	0.999631	0.89731
Kenn2_093174_5441_1	0.01	-1.72	-0.28	-0.34	-0.94	0.93	-0.45	-0.4	-1.16	-0.203	0.37	-0.31	-0.26	-0.48	-0.3	-0.83	-1.005	-0.08	0.6325	0.784969	0.813416	0.468599	1	0.999631	0.922099
Kenn2_093174_5441_1	-0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	
Kenn2_093174_5441_1	-0.72	-0.31	-0.42	-0.37	-0.74	-0.23	-0.88	-0.3	-0.65	-0.59	-0.74	-0.46	-0.09	-0.16	-0.96	-0.12	-1.1975	-1.45	0.475	0.581701	0.541841	0.541841	1	0.999631	0.847567
Kenn2_093174_5441_1	-0.9	-0.38	-0.07	-0.88	-0.75	0.09	-0.01	-1.17	-0.55	0.03	-1.39	-0	1.27	0.43	-1.45	-0.58	-0.2675	-0.2025	-0.55	0.147598	0.56698	0.705157	1	0.999631	0.771539
Kenn2_093174_5441_1	0.77	-0.04	0.46	0.38	-1.33	0.84	0.98	0.01	-0.27	0.86	0.12	0.05	0	-0.33	-0.25	-0.35	-0.025	0.7225	0.113298	0.607199	0.573009	1	0.999631	0.577408	
Kenn2_093174_5441_1	-0.07	-0.17	-0.13	0.53	0.43	0.29	0.7	-0.14	-0.14	-0.12	0.27	0.41	0.2	-0.26	0.41	0.11	0.09	0.1	0.043199	0.90179	0.841588	0.71	1	0.999631	0.474541
Kenn2_093174_5441_1	-0.34	1.62	1.73	1.18	0.28	1.74	0.94	1.08	0.86	0.72	1.76	1.15	0.38	1.25	0.85	1.88	-0.1375	-0.525	-0.4725	0.936887	0.94277	0.819203	1	0.999631	0.97939
Kenn2_093174_5441_1	0.36	0.05	0.05	0.81	0.13	0.29	0.3	0.6	-0.16	0.27	0.15	-0.79	-1.61	0.03	0.23	0.79	-0.3875	0.02	0.8475	0.3705	0.661713	0.138098	1	0.999631	0.746338
Kenn2_093174_5441_1	1.76	-0.45	0.08	0.59	-0.46	0.13	0.86	0.24	0.16	0.81	0.31	-0.33	-0.68	-0.42	-0.09	-0.48	0.09515	0.455323	0.405133	0.972461	1	0.999631	0.562904		
Kenn2_093174_5441_1	0.09	0.1	0.09	0.1	0.09	0.1	0.09	0.1	0.09	0.1	0.09	0.1	0.09	0.1	0.09	0.1	0.09	0.1	0.09	0.1	0.09	0.1	0.09	0.1	0.09
Kenn2_093174_5441_1	0.33	0.44	0.07	0.31	1.28	0.66	0	0.74	0.84	0.81	0.56	1.13	1.23	1.42	0.95	0.0125	-0.0875	0.035	0.005481	0.405205	0.600027	1	0.999631	0.763221	
Kenn2_093174_5441_1	-0.41	0.18	-0.07	-0.63	-0.12	0.33	-0.42	-0.01	0.07	-0.33	0.48	-0.34	0.57	-0.11	-0.48	-0.77	-0.685	0.23	-0.59	0.926191	0.964608	0.714463	1	0.999631	0.97588
Kenn2_093174_5441_1	1.23	1.68	1.07	1.68	1.07	1.68	1.07	1.68	1.07	1.68	1.07	1.68	1.07	1.68	1.07	1.68	1.07	1.68	1.07	1.68	1.07	1.68	1.07	1.68	1.07
Kenn2_093174_5441_1	2.29	-0.42	1.03	1.08	-0.97	0.53	1.93	-0.03	-0.8	1.35	-1.2	-0.92	-1.59	-1.67	-1.24	-0.68	-0.3	0.3625	-0.2475	0.003309	0.399993	0.077508	1	0.999631	0.351308
Kenn2_093174_5441_1	2.29	-0.42	1.03	1.08	-0.97	0.53	1.93	-0.03	-0.8	1.35	-1.2	-0.92	-1.59	-1.67	-1.24	-0.68	-0.3	0.3625	-0.2475	0.003309	0.399993	0.077508	1	0.999631	0.351308
Kenn2_093174_5441_1	-0.64	0.08	0.9																						

Klc2_D3YX23_5515_1	1.69	1.87	0.75	0.1	1.87	3.59	0.14	0.66	2.99	3.04	0.48	0.6	0.88	1.98	0.57	0.14	0.2725	0.1025	0.36	0.69591	0.54861	0.367451	1	0.99961	0.895683	
Klc2_D3YX23_5448_1	0.04	0.05	-0.54	-0.46	0.29	0.57	-0.44	0.6	-0.33	0.5	-0.18	0.55	-1.4	1.46	0.64	0.67	1.005	0.245	-0.5475	0.54374	0.44081	0.76264	1	0.99961	0.818261	
Klc2_D3YX23_5551_1	0.46	0.04	0.13	-0.47	0.72	0.18	-0.03	0.45	0.4	0.14	0.63	0.78	0.17	0.49	0.64	0.67	0.84	0.075	0.465	0.03641	0.08573	0.07629	1	0.99961	0.818261	
Klc2_D3YX23_5552_1	0.32	-0.1	0.7	0.84	0.13	0.18	-2.4	0.95	1.18	-0.57	0.34	0.51	1.07	0.91	1.33	0.31	-0.065	0.445	0.5275	0.210298	0.525334	0.85842	1	0.99961	0.66441	
Klc2_D3YX23_5577_1	0.94	1.4	2.35	2.49	1.49	1.64	1.22	2.98	1.81	1.31	2.99	3.26	0.72	2.11	1.44	1.43	0.5325	0.16	-0.035	0.454242	0.905047	0.546897	1	0.99961	0.790236	
Klc2_D3YX23_5584_1	-0.06	-0.23	-0.02	-0.58	0.66	0.18	-0.02	0.48	0.19	0.39	0.44	0.19	0.39	0.44	0.19	0.39	0.44	0.19	0.39	0.44	0.19	0.39	0.44	0.19	0.39	
Klc2_D3YX23_5605_1	1.59	0.9	0.47	0.47	0.92	1	0.27	0.81	0.6	0.63	0.38	0.4	0.56	1.5	0.57	0.96	0.025	0.5775	0.1975	0.962282	0.621622	0.209616	1	0.99961	0.895683	
Klc2_D3YX23_5606_1	-0.04	-0.19	0.37	-0.09	0.06	0.38	-0.46	-0.04	0.1	0.01	-0.49	0.3	0.54	0.48	0.24	0.3	-0.0725	0.425	0.1375	0.551449	0.826807	0.842788	1	0.99961	0.836275	
Klc2_D3YX23_5590_1	-0.08	0.6	0.25	0.39	0.33	0.55	-0.14	0.17	0.58	0.24	1.04	-0.1	0.8	0.36	-0.07	0.62	0.75	-0.475	-0.14	0.688827	0.826501	0.188044	1	0.99961	0.885355	
Klc2_D3YX23_5611_1	-0.22	0.32	-0.02	-0.16	0.37	0.18	-0.16	-0.39	0.12	0.16	-0.39	0.12	0.16	-0.39	0.12	0.16	-0.39	0.12	0.16	-0.39	0.12	0.16	0.075	0.465	0.83	
Klf16_P38334_5615_1	-0.82	0.31	-1.58	-0.23	0.09	-0.21	-1.03	0.3	0.29	0.53	-1.1	-0.18	0.56	1.39	-0.75	-0.2	-0.1	-0.0215	0.125	0.167081	0.44024	0.373683	1	0.99961	0.636719	
Klf9_D60908_5494_1	1.09	1.9	1.08	0.75	0.86	1.81	1.17	0.88	1.17	1.88	1.15	0.04	1.51	2.28	0.76	0.77	0.0325	0.03	0.0775	0.7684	0.740225	0.979356	1	0.99961	0.921293	
Klf9_D60908_5494_1	-0.06	0.72	0.4	0.7	0.2	0.8	-0.1	0.6	0.25	0.26	-0.49	0.14	0.64	-0.07	0.14	0.64	-0.07	0.14	0.64	-0.07	0.14	0.64	0.075	0.465	0.83	
Klf9_D60908_5494_1	0.02	0.5	-1.05	0.02	-0.82	-0.27	-1.15	-0.55	-0.95	-0.2	-0.09	-0.21	-0.6	-0.42	-1.65	-1.77	-0.305	0.31	-0.0525	0.342027	0.834361	0.492527	1	0.99961	0.73747	
Klf9_D60908_5494_1	0.91	0.01	0.37	-0.48	-0.48	-1.07	-0.21	0.39	0.68	2.02	1.04	0.39	0.61	1.25	-0.77	-0.49	-0.25	-0.115	-0.29	0.502188	0.50052	0.622841	1	0.99961	0.97499	
Klf9_D60908_5494_1	0.27	0.28	0.16	0.15	0.14	-0.02	0.5	0.24	0.17	0.19	-0.45	0.5	0.62	0.1	-1.36	0.54	-0.3975	0.47	0.3225	0.52625	0.58163	0.982986	1	0.99961	0.825257	
Klf9_D60908_5494_1	-0.9	-1.62	-1.1	-1.07	-1.44	-1.03	-2.2	-1.39	-0.52	0.12	-0.44	-0.65	-0.45	-0.52	-1.87	-0.365	0.0225	-0.055	0.424025	0.246166	0.205199	1	0.99961	0.773831		
Klf9_D60908_5494_1	0.84	-0.87	1.14	0.42	-0.44	-0.44	0.55	0.4	-0.69	0.68	1.16	0.47	-0.06	-0.37	0.87	0.87	-0.2	-0.5825	-0.2325	0.915253	0.46065	0.967261	1	0.99961	0.97786	
Klf9_D60908_5494_1	-0.56	0.41	-0.01	-0.18	-0.76	0.88	0.34	0.08	-0.75	-1.29	-0.33	-0.3	-1.22	-0.08	0.77	-0.4	-0.365	0.135	0.09	0.620866	0.564084	0.118323	1	0.99961	0.881888	
Klf9_D60908_5494_1	0.65	1.3	1.4	0.68	0.33	0.44	-0.46	-0.4	-0.21	-1.19	0.3	1.45	1.1	1.64	0.05	1.09	0.0225	-0.3225	0.055	0.860305	0.297619	0.656989	1	0.99961	0.931524	
Klf9_D60908_5494_1	-0.18	-0.69	1	0.42	0.32	-0.49	0.17	0.68	-0.98	-0.77	0.39	0.98	0.11	0.24	0.19	0.03	-0.4325	-0.2075	-0.2925	0.989913	0.939994	0.674152	1	0.99961	0.995982	
Klf9_D60908_5494_1	0.09	2.72	1.03	-0.05	0.63	1.39	-0.82	0.86	2.39	0.84	-0.7	1.37	0.9	0.91	1.46	-0.65	-0.3275	-0.145	0.12	0.675055	0.541815	0.972416	1	0.99961	0.885888	
Klf9_D60908_5494_1	0.63	1.65	1.83	1.41	0.84	1.18	0.7	1.49	1.1	0.99	1.13	1.72	0.84	1.84	1.39	1.93	-0.465	-0.1225	0.3425	0.70156	0.58623	0.681083	1	0.99961	0.914644	
Klf9_D60908_5494_1	2.07	2.27	2.28	1.8	1.32	1.06	1.15	1.75	1.26	1.08	2.06	2.23	1.39	2.14	2.54	4.2	-0.935	0.74	1.3725	0.449404	0.210815	0.767603	1	0.99961	0.769696	
Klf9_D60908_5494_1	2.46	1.64	2.76	2.63	0.94	1.25	2.1	1.46	0.81	2.89	1.88	0.95	0.91	0.84	1.69	0.56	0.0775	0.0575	0.1075	0.44704	0.281808	0.171308	1	0.99961	0.931308	
Klf9_D60908_5494_1	-0.81	-0.95	0.03	-0.27	-0.75	0.08	-0.54	-0.32	-0.29	-0.46	-1.06	0.04	-0.43	0.01	-0.47	-0.68	-0.405	-0.7325	-1.64	0.751085	0.808458	0.872768	1	0.99961	0.921766	
Klf9_D60908_5494_1	0.83	2.83	2.93	0.24	0.33	1.54	0.54	-0.03	0.12	0.18	0.37	0.99	0.72	0.99	0.18	0.14	0.09	0.01	0.010507	0.402474	0.154825	0.1	0.99961	0.826376		
Klf9_D60908_5494_1	-2.26	-0.67	0.25	-0.75	-3.11	0.27	-1.03	-2.85	-0.74	-0.96	-1.85	-2.16	-0.39	-0.51	0	-0.79	-0.32	-0.7275	-0.175	0.262987	0.33846	0.331889	1	0.99961	0.69304	
Klf9_D60908_5494_1	-0.87	-0.09	0.24	-0.49	-1.08	-0.4	0.46	-0.49	-0.21	-1.19	-0.29	-1.12	-0.07	-0.01	-0.27	0.075	-0.65	-0.5325	0.686603	0.460163	0.534952	1	0.99961	0.890911		
Klf9_D60908_5494_1	-0.66	-0.31	-0.82	-0.42	-1.8	0.95	-0.1	0.94	-1.19	-1.58	-1.6	-1.04	-1.04	-0.8	-1.52	-0.98	-0.32	-0.7275	-0.175	0.092975	0.189203	0.350402	1	0.99961	0.952298	
Klf9_D60908_5494_1	-0.87	-0.09	0.24	-0.49	-1.08	-0.4	0.46	-0.49	-0.21	-1.19	-0.29	-1.12	-0.07	-0.01	-0.27	0.075	-0.65	-0.5325	0.686603	0.460163	0.534952	1	0.99961	0.890911		
Klf9_D60908_5494_1	1.2	0.94	1.05	0.94	0.57	0.88	1.2	1.13	0.98	1.57	1.33	1.24	0.68	1.09	1.22	1.48	-0.4525	-0.1975	-0.55	0.772181	0.77372	0.35447	1	0.99961	0.919605	
Klf9_D60908_5494_1	0.36	2.35	3.09	0.27	0.23	-0.6	0.21	0.7	0.17	0.72	1.02	1.23	1.14	-0.76	0.47	0.7	-0.51	-0.1	-0.3595	0.42481	0.455231	0.738092	1	0.99961	0.747276	
Klf9_D60908_5494_1	Klf1_D60908_5494_1	0.13	1.97	1.17	0.99	0.67	0.19	0.22	1.15	0.9	1.09	0.72	0.99	0.18	0.14	0.09	0.01	0.010507	0.402474	0.154825	0.1	0.99961	0.826376			
Klf9_D60908_5494_1	Klf1_D60908_5494_1	0.73	1.68	3.01	0.73	0.97	0.59	1.29	0.54	1.2	-0.65	-0.44	1.56	0.7	0.48	1.04	1.54	-1.5625	-0.2975	0.64	0.394477	0.206964	0.14632	1	0.99961	0.706164
Klf9_D60908_5494_1	Klf9_D60908_5494_1	0.08	-1.96	2.55	1	-1.08	-0.94	-0.64	-1.92	-1.68	0.61	1.53	2.4	-1.69	0.34	0.62	0.96	0.6325	-0.25	-0.33	0.628382	0.90051	0.788239	1	0.99961	0.869598
Klf9_D60908_5494_1	Klf1_D60908_5494_1	1.07	2.04	2.08	1.42	1.49	0.5	1.31	0.98	-0.38	-0.19	-0.19	0.46	-0.37	0.57	0.095	-0.1575	-0.235	0.383579	0.291265	0.680185	1	0.99961	0.754618		
Klf9_D60908_5494_1	Klf1_D60908_5494_1	0.49	-0.65	0.45	0.48	0.47	-0.59	0.28	0.35	0.1	1.33	0.46	0.11	0.12	0.74	-0.2125	0.355	0.05	0.442428	0.721167	0.638422	1	0.99961	0.803422		
Klf9_D60908_5494_1	Klf2_D60908_5494_1	-0.66	0.5	-0.46	0.35	-0.52	0.41	0.12	-1.13	1.32	0.53	0.15	0.25	0.61	0.66	0.48	0.2	1.265	0.27	-1.0125	0.84963	0.629329	0.21223	1	0.99961	0.550457
Klf9_D60908_5494_1	Klf2_D60908_5494_1	1.74	-1.61	-1.41	1.11	1.55	0.61	1.33	1.4	0.29	0.05	1.17	-0.6	-2.7	-0.25	-0.79	-0.48	-0.105	-0.5975	0.0425	0.268266	0.126521	0.741644	1	0.99961	0.696261
Klf9_D60908_5494_1	Klf2_D60908_5494_1	0	-0.18	-0.43	-0.71	0.01	-0.1	-1.36	-0.49	-0.31	-0.49	-0.95	-1.96	-0.61	1.06	-0.52	-1.08	0.165	-0.45	0.4525	0.529033	0.783299	0.156809	1	0.99961	0.971775
Klf9_D60908_5494_1	Klf1_D60908_5494_1	0.09	2.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	-1.055	0.158164	0.65989	0.24617	1	0.99961	0.826376	
Klf9_D60908_5494_1	Klf1_D60908_5494_1	1.77	0.42	2.39	0.4	-0.47	0.66	1.38	0.94	0.58	2.66	1.02	0.95	-0.03	-0.22	0.26	0.75	-0.725	-0.1625	0.5125	0.608304	0.797009	0.92566	1	0.99961	0.951298
Klf9_D60908_5494_1	Llfam_D60908_5494_1	1.17	2.23	2.38	0.91	0.43	2.09	0.89	0.38	1.51	3	1.35	1.48	0.74	1.3	1.76	0.84	-0.8575	-0.1575	-0.915	0.261885	0.175641	0.749509	1	0.99961	0.969568
Klf9_D60908_5494_1	Llfam_D60908_5494_1	-0.12	-0.24	0.02	-0.24	0.29	0.61	0.44	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	-0.1675	0.159627	0.119088	0.488075	1	0.99961	0.826376	
Klf9_D60908_5494_1	Llfam_D60908_5494_1	-0.11	0.2	-0.05	-0.11	-0.28	-0.09	-0.02	0.07	0.11	-0.19	-0.29	-0.17	0.9	-1.04	-0.12	-0.14	-0.355	-0.1075	-0.3275	0.726379	0.579561	0.45781	1	0.99961	0.905658
Klf9_D60908_5494_1	Llfam_D60908_5494_1	0.53	-1.24</																							

Mag_077095_5222_1	-0.29	0.04	-1.46	-0.83	-1.64	0.93	-0.56	-1.34	-1.28	-0.89	-1.47	-0.69	-1.36	-1.87	-0.59	-1.05	11.23	0.825	0.65938	0.88176	0.41031	1	0.99931	0.880034	
Mag_077095_541_1	-0.31	0.3	-0.34	-0.18	-0.22	0.32	-0.27	-0.24	0.03	-0.08	0.27	0.66	0.27	0.33	0.46	0.17	0.185	0.265	0.265335	0.88866	0.68877	0	0.99931	0.694352	
Mag_077095_576_1	-0.11	-0.27	0.12	-0.04	-0.46	-0.01	0.53	0.1	0.06	0.08	0.04	0.34	0.6	0.22	0.27	0.07	-0.078	-1.12	0.70952	0.84262	0.64991	1	0.99931	0.698874	
Mag_077095_581_1	-0.12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.99931	0.698874		
Mag_077095_582_1	-0.36	0.72	0.33	0.39	-0.79	0.12	0.11	0.04	-0.28	-0.32	-0.1	0.28	0.34	-0.33	0.79	-0.39	-0.575	-1.07	-1.075	0.31984	0.76811	0.57416	1	0.99931	0.727673
Mag_077095_572_1	0.72	0.81	0.36	0.65	-1.38	0.14	1.54	-1.71	0.64	0.16	0.14	0.23	-1.98	-0.65	-2.41	0.075	-0.15	0.295	0.0784	0.77383	0.80969	1	0.99931	0.571276	
Mag_077095_583_1	0.24	0.18	0.7	0.2	0.55	0.59	0.9	0.5	0.9	0.5	0.9	0.5	0.9	0.5	0.9	0.5	0.9	0.5	0.9	0.5	0.9	0.99931	0.571276		
Mag_077095_544_1	0.47	1.05	0.6	0.65	0.68	1.08	0.12	0.6	0.96	0.55	0.56	0.5	0.88	1.73	0.62	1.34	0.975	0.075	-0.31	0.20631	0.89757	0.8127	1	0.99931	0.6005
Mag_077095_532_1	-0.62	0.87	-0.87	-0.32	-1.11	-0.89	0.09	0.18	0.55	0.11	0.3	-0.49	-1.12	0.84	-0.39	-0.61	0.23	0.2	0.6175	0.30304	0.62554	0.86123	1	0.99931	0.826346
Mag_077095_531_1	-0.8	-0.16	-0.65	-0.7	-0.04	-0.01	-0.83	-0.51	-0.49	-0.74	-1.02	-0.86	-1.22	0.45	-0.05	0.975	-0.085	-1.66	1.8207	0.45569	0.74984	0.86	1	0.99931	0.64361
Mag_077095_530_1	0.26	0.2	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.99931	0.64361		
Mag_077095_530_1_1	0.79	1.57	2.87	1.35	3.02	2.23	5.64	-0.57	1.44	0.59	3.85	4.96	2.82	1.05	2.09	0.8	0.5675	0.2825	0.205	0.55192	0.24161	0.50382	1	0.99931	0.593005
Mag_077095_530_1_1	0.08	0.02	0.3	0.87	0.82	0.83	0.02	0.69	0.37	0.79	0.55	0.39	0.63	0.14	0.15	0.1225	0.1825	0.556938	0.446949	0.350191	0.350191	0.350191	1	0.99931	0.838009
Mag_077095_530_1_1	0.02	-0.1	-0.25	0.02	-0.1	-0.36	0.59	0.4	-0.57	0.41	-0.57	0.41	-0.57	0.41	-0.57	0.41	0.14	0.15	0.1225	0.1825	0.556938	0.446949	1	0.99931	0.838009
Mag_077095_531_1	-0.44	-1.44	-0.28	-0.33	-0.84	-0.17	1.73	-0.09	-0.5	-0.24	-0.61	-1.18	-0.51	-0.44	-0.51	-0.91	0.37	0.435	0.3225	0.75338	0.25233	0.35666	1	0.99931	0.919137
Mag_077095_534_1	-0.07	-0.42	-0.03	-0.01	0.59	0.06	0.03	0.04	0.23	0.14	0.22	0.16	0.74	0.16	0.64	0.52	0.42	0.155	0.1075	0.25641	0.23734	0.17953	1	0.99931	0.691343
Mag_077095_534_1	-0.13	-0.2																							

Mag2_09W0V1_5721_2	-0.65	-1.82	-0.81	-1.71	-2.81	-1.43	-1.05	-2.95	-1.68	0.04	-2.11	-2.23	2.19	-2.57	-2.56	-2.91	-0.8125	-0.2475	-1.31	0.005461	0.145992	0.695919	1	0.99961	0.351308
Mag2_09W0V1_5721_3	-0.54	-2.02	-0.54	-1.57	-2.26	-1.36	-0.43	-1.57	-2.46	-1.73	-1	-2.73	-1.17	-3.22	-2.65	-2.16	-0.2375	-0.8625	-1.125	0.057386	0.835045	0.121817	1	0.99961	0.40679
Mag2_09W0V1_5804_1	-0.12	0	-0.47	-0.83	-1.09	-0.77	-0.88	-0.88	-0.88	-0.88	0.35	0	-0.44	0.12	-0.13	-0.35	0	-0.44	0.12	0.133488	0.483951	0.83124	1	0.99961	0.483951
Mag2_09W0V1_5189_1	-1	-0.91	0.5	-0.35	-0.09	0.16	-0.87	-0.41	-1.27	-1.18	0.2	0.38	0.01	-0.36	-0.09	0.32	0.1375	0.5625	0.41	0.316001	0.739401	0.331495	1	0.99961	0.270734
Mag2_05S87E_5236_1	-0.6	0.88	-0.63	0	0.15	1.44	-0.21	0.94	1.23	0.19	1.33	0.68	0.77	0.7	0.17	-0.41	0.6675	0.185	0.395	0.387006	0.191116	0.578971	1	0.99961	0.757601
Mag2_05S87E_5237_1	0.89	1.54	1.4	1.4	1.64	1.44	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.1375	0.14969	0.800188	0.1784	0.48	1	0.99961	0.758448	
Mag2_05S87E_5568_1	-0.09	-0.59	-0.29	-0.22	-0.14	0.45	-1.49	-1.15	0.01	-0.65	-1.54	-0.22	0.09	0.08	-1.82	-0.71	-0.11	-0.1275	-0.1175	0.806768	0.814635	0.754533	1	0.99961	0.935253
Mag2_05S87E_5662_1	2.11	0.3	1.18	1.18	-0.96	0.84	-1.64	-0.38	-0.65	1.94	-0.1	0.07	0.17	-0.16	0.7	0.2	-0.9075	-0.8775	-0.965	0.042403	0.168077	0.178664	1	0.99961	0.475443
Mag2_05S87E_5831_1	0.3	-1	-0.55	-1.17	-0.84	-0.76	-0.84	-0.45	-0.59	-0.02	-0.95	0	-0.16	-0.55	-0.91	-0.3	-0.1675	0.215	0.125	0.75209	0.635048	0.602448	1	0.99961	0.913038
Mag2_05S87E_5954_1	-0.24	-0.4	-0.83	-1.09	-0.77	-0.88	-0.88	-0.88	-0.88	-0.88	-0.88	-0.88	-0.88	-0.88	-0.88	-0.88	-0.88	-0.88	-0.88	0.717034	0.871199	0.364348	1	0.99961	0.913038
Mag2_08B08_521_1	-0.69	0.32	-0.6	-1.5	-0.75	0.16	-0.78	-1.47	-0.37	-1.32	-1.43	-0.97	-0.77	-0.01	-0.37	-1.01	-0.025	0.03	0.0775	0.859385	0.84575	0.930606	1	0.99961	0.951218
Meoa_06431E_5388_1	-0.78	0.18	-1.26	-1.17	-1.03	0.51	-0.72	-0.86	-0.22	-1.38	-1.11	-0.48	0.73	-0.04	-0.63	-0.4	-0.0225	-0.015	0.0725	0.153631	0.951007	0.9714	1	0.99961	0.625198
Mag2_09Q96E_51008_2	-2.32	-0.54	-0.15	-0.25	-0.75	1.54	-2.65	-2.45	-1.89	-0.26	-2.30	-1.46	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26	0.15	0.44684	0.187493	0.2146	1	0.99961	0.765844
Mag2_09Q96E_51052_1	-0.09	0.98	1.18	-0.67	-0.02	1.6	0.07	0.4	1.04	1.33	1.15	1.22	0.68	0.97	0.77	1.31	-1.1725	0.25	0.2475	0.49814	0.702592	0.535736	1	0.99961	0.811985
Mag2_09Q96E_51062_1	-0.51	0.15	0.18	-0.21	0.04	-0.39	-0.25	0.13	-0.21	-0.54	-0.19	-0.05	-0.02	0.09	0.45	-0.06	-0.02	-0.15	0.2125	0.488465	0.945343	0.601349	1	0.99961	0.806721
Mag2_09Q96E_51190_1	-0.93	-0.3	0.15	0.03	-0.54	0.12	-0.34	-0.22	-0.53	-0.97	0.2	0.55	-0.29	0.38	0.46	0.59	0.1725	0.075	0.5475	0.15250	0.770463	0.852924	1	0.99961	0.623198
Mag2_09Q96E_51196_1	-0.22	1.72	1.95	0.1	0.65	0.76	0.02	1.2	0.75	0.68	0.97	1.42	2.44	1.39	1.63	1.2	-0.5225	-0.225	0.485	0.32019	0.265117	0.69169	1	0.99961	0.724485
Mag2_09Q96E_51205_1	-0.26	0.45	0.86	-0.37	-0.03	0.01	-0.2	0.26	-0.04	0.01	0.5	0.69	0.34	0.28	0.48	0.73	-0.345	-0.07	0.1025	0.755042	0.270640	0.871737	1	0.99961	0.913659
Mag2_09Q96E_51305_1	1.97	2.7	2.61	2.14	2.69	2.21	0.51	1.89	1.91	2.19	1.97	2.03	2.67	2.64	2.42	2.8	-0.53	0.3	0.2775	0.365819	0.281022	0.539358	1	0.99961	0.747696
Mag2_09Q96E_51306_1	1.78	2.19	1.92	1.64	0.35	1.36	2.89	1.6	2.03	2.64	1.98	2.03	2.64	2.42	2.8	2.8	-0.375	-0.245	0.17	0.606146	0.415869	0.473792	1	0.99961	0.913659
Mag2_09Q96E_51310_1	-0.5	0.24	0.52	-0.43	-0.11	0.02	-0.16	0.26	-0.27	-0.31	-0.07	-0.09	0.27	0.79	0.64	0.95	-0.17	-0.3225	0.49	0.175048	0.580399	0.316315	1	0.99961	0.64073
Mag2_09Q96E_51360_1	-0.49	1.02	0.82	0.77	0.3	0.96	0.19	0.85	0.41	-0.06	0.45	1.51	0.63	0.61	0.32	0.62	0.045	0.045	0.015	0.698262	0.510229	0.918403	1	0.99961	0.586828
Mag2_09Q96E_51370_1	0.17	2.91	1.62	2.11	2.93	4.57	4.43	2.67	2.51	-0.4	4.32	1.45	-1.63	1.49	1.44	-1	1.9475	0.2657	-1.6325	0.083008	0.015055	0.786788	1	0.99961	0.549693
Mag2_09Q96E_51580_1	-0.75	0.12	-0.17	-0.16	0.35	0.54	-0.57	-0.22	0.61	0.2	-0.33	0.1	0.66	0.16	-0.19	0.7	-0.0575	0.3575	0.195	0.614922	0.858882	0.249898	1	0.99961	0.869095
Mag2_09Q96E_51606_1	-0.76	-0.11	-0.4	-1.06	-0.69	-0.35	-1.4	-1.03	-0.62	-0.68	-0.85	-0.89	0.01	-0.21	-0.59	-0.85	-0.2885	-0.1775	0.1725	0.61854	0.41	0.553448	1	0.99961	0.861888
Mag2_09Q96E_51648_1	1.09	1.12	0.39	0.46	0.66	0.94	0.09	0.64	0.49	0.89	0.17	0.45	0.19	0.48	0.68	0.47	-0.1825	-0.265	-0.31	0.334442	0.567061	0.405403	1	0.99961	0.728079
Mag2_09Q96E_51747_1	-0.12	-0.4	-0.89	-0.29	0.23	0.56	-0.33	-0.16	-0.49	-0.79	-0.5	-0.08	-0.13	-0.57	-0.22	0.25	0.05	0.075	0.74289	0.862702	0.974963	1	0.99961	0.743635	
Mag2_09Q96E_51768_1	-0.07	0.68	0.96	0.17	0.23	0.56	-0.03	0.71	0.34	-0.17	0.59	0.94	0.63	1	0.3	0.7	-0.0675	0.01	0.2225	0.517696	0.837665	0.977985	1	0.99961	0.815449
Mag2_09Q96E_51772_1	-0.61	0.49	-0.03	-1.31	-0.59	-0.25	-1.04	-0.83	-0.86	-0.52	-0.72	-0.65	-0.26	-0.08	0.08	0.41	-0.3125	-0.3125	0.9825	0.112099	0.462158	0.432495	1	0.99961	0.577068
Mag2_09Q96E_51789_1	0.29	0.4	0.51	0.43	0.28	0.31	0	0.56	0.12	0.35	0.3	0.32	0.27	0.71	0.48	0.65	-0.12	-0.135	0.12	0.657398	0.630503	0.579499	1	0.99961	0.878224
Mag2_09Q96E_51993_1	-0.4	0.06	-0.1	-0.21	-0.36	-0.4	-0.26	-0.64	-0.84	-0.77	0.13	0.44	0.19	-0.26	-0.44	-0.23	0.2475	0.0095	-0.0275	0.243745	0.324489	0.071512	1	0.99961	0.975032
Mag2_09Q96E_52029_1	-0.03	2.3	1.5	0.99	0.71	0.99	0.2	0.54	1.68	-0.22	0.53	0.41	2.25	1.59	0.89	0.97	-0.58	-0.59	0.235	0.664648	0.250073	0.319771	1	0.99961	0.88264
Mag2_09Q96E_52048_1	-0.7	-0.35	-0.26	-0.43	-0.66	-0.54	-0.83	-0.52	-0.62	-0.72	-0.62	-0.49	0.08	-0.17	-0.2	-0.21	-0.2025	-0.1775	0.27	0.324488	0.41965	0.485001	1	0.99961	0.724631
Mag2_09Q96E_51556_1	-0.49	-0.7	-0.81	-0.7	-0.1	-0.44	-0.86	-0.48	-0.33	-0.16	-0.49	-0.79	-0.5	-0.08	-0.13	-0.57	-0.2225	-0.135	0.075	0.761561	0.568477	0.4154	1	0.99961	0.743635
Mag2_09Q96E_51626_1	0.37	0.49	0.01	1.5	1.33	-0.28	1.31	1.15	-0.32	-1.16	-0.5	-0.18	-0.25	0.31	0.58	0.59	0.285	-0.745	-0.315	0.445327	0.059177	0.175816	1	0.99961	0.782783
Mag2_09Q96E_51299_1	-0.06	0.7	-0.29	-0.26	0.46	-0.22	0.09	0.05	-0.36	0.04	0.08	-0.21	0.6	-0.11	0.28	0.05	-0.02	-0.0125	0.927087	0.87519	0.520585	1	0.99961	0.989676	
Mag2_09Q96E_52099_1	0.35	-0.62	-0.45	0.68	0.39	0.65	0.5	0.33	-0.52	-0.96	0.18	-0.45	-0.82	-0.63	0.06	0.05	0.1525	-0.4275	-0.33	0.142489	0.17109	0.30285	1	0.99961	0.777927
Mag2_09Q96E_52236_1	-0.05	0.15	-0.05	-0.18	-0.26	0.35	-0.07	-0.15	-0.27	-0.16	-0.15	-0.27	-0.16	-0.15	-0.27	-0.16	-0.15	-0.27	0.5725	0.14368	0.139847	0.047392	1	0.99961	0.616183
Mag2_09Q96E_52230_1	-0.63	-0.78	0.73	-0.41	-0.29	-0.38	-1.3	0.82	-0.33	-1.16	-0.22	0.77	-0.05	1.15	1.15	0.45	-0.015	-0.405	0.6975	0.133978	0.976731	0.35179	1	0.99961	0.60492
Mag2_09Q96E_52591_1	3.5	2.51	2.53	2.08	0.12	2.49	3.17	0.56	1.83	3.16	1.43	1.04	0.19	0.55	1.48	0.86	-1.07	-0.79	-1.885	0.001145	0.152174	0.150335	1	0.99961	0.351308
Mag2_09Q96E_52630_1	1.36	1.25	1.26	0.72	0.49	1.16	1.25	0.7	1.33	1.94	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	0.995	0.256909	0.414263	0.1587	1	0.99961	0.691567
Mag2_09Q96E_51837_1	-0.89	-2.96	-0.89	-2.96	-0.89	-2.96	-0.89	-2.96	-0.89	-2.96	-0.89	-2.96	-0.89	-2.96	-0.89	-2.96	-0.89	-2.96	0.015	0.889009	0.553276	0.240602	1	0.99961	0.913659
Mag2_09Q96E_51844_1	0.66	0.48	0.08	0.79	0.62	0.21	0.02	1.09	0.73	0.63	0.55	0.64	0.51	0.45	0.5	-0.2	-0.1225	-0.135	-0.1875	0.558142	0.732497	0.816791	1	0.99961	0.838323
Mag2_09Q96E_5604_1	1.54	1.33	2.98	1.07	0.75	2.83	1.31	1.54	0.53	2.39	2.06	0.67	3.01	2.18	2.37	2.6	-0.1225	-0.7675	-1.28	0.269287	0.931929	0.121329	1	0.99961	0.697419
Mag2_09Q96E_5644_1	-0.6	1.01	0.2	0.13	-0.74	0.3	-0.24	-0.14	-0.34	-0.14	-0.34	-0.14	-0.34	-0.14	-0.34	-0.14	-0.34	-0.14	-0.85	0.025461	0.458055	0.452377	1	0.99961	0.448977
Mag2_09Q96E_5644_1	1.53	1.66	2.56	2.59	0.99	1.81	2.02	1.46	1.67	2.19	-2.18	1.93	1.38	0.67	1.95	1.73	-0.51	-0.0225	-0.6525	0.13927	0.935699	0.914717	1	0.99961	0.611718
Mag2_09Q96E_5667_1	-0.1	1.83	0.09	-0.56	-1.1	1.31	-0.64	-0.36	-1.15	1.1	-0.23	-0.25													

Map2_P20357_71650_1	0.58	0.88	1.01	1.65	1.43	-0.55	0.12	1.42	1.54	1.39	1.78	2.88	2.56	1.77	1.89	1.36	-0.4125	0.8075	0.805	0.040936	0.417662	0.058544	1	0.99961	0.474979		
Map2_P20357_71650_2	1.57	-0.05	-1.08	0.94	1.78	1.14	1.73	2.39	1.22	0.56	1.37	0.34	-1.69	0.6	0.2	0.82	1.48	0.7325	-0.8205	0.04364	0.024058	0.373223	1	0.99961	0.852037		
Map2_P19138_5311_1	-0.1	-1.14	0.02	-0.71	0.21	0.1	-0.29	0.11	-0.13	0.18	0.71	0.66	-0.43	0.43	0.12	-0.43	0.06	0.02	0.24	0.53368	0.178251	0.202377	1	0.99961	0.474979		
Map2_P19138_7286_1	-0.67	-0.18	0.11	0.67	0.41	0.57	1.14	1.17	0.66	0.33	1.72	1.07	0.39	1.06	0.69	0.28	0.59	0.7125	0.6225	0.118029	0.137055	0.058469	1	0.99961	0.580201		
Map2_P20157_5395_1	0.53	-0.33	0.68	1.15	0.4	0.22	1.09	1.51	-0.51	-1.08	0.79	0.89	-0.71	0.25	1.46	0.9	0.39	0.2975	-0.485	-0.155	0.779301	0.489427	0.370456	1	0.99961	0.923146	
Map2_P20157_5396_1	-0.14	-0.74	0.33	0.68	1.15	0.4	0.22	1.09	1.51	-0.51	-1.08	0.79	0.89	-0.71	0.25	1.46	0.9	0.39	0.2975	-0.485	-0.155	0.779301	0.489427	0.370456	1	0.99961	0.923146
Map2_P20157_7394_1	1.71	-0.86	1.94	1.57	-0.74	-0.65	1.66	0.63	-0.89	0.51	0.44	0.01	-1.2	-1.64	0.64	-0.29	-0.865	-1.0725	-1.7125	0.038221	0.272687	0.058469	1	0.99961	0.474979		
Map2_P4789_5392_1	-0.97	-0.47	-0.68	-1.11	-0.36	-0.55	-1.01	-0.68	-0.59	-1	0.57	-0.36	0.26	0.7	-0.41	-0.65	0.1575	0.7175	0.4325	0.214641	0.576749	0.539473	1	0.99961	0.674672		
Map2_P4789_588_1	-0.72	-0.33	0.06	-0.04	-0.16	-0.17	-0.19	0.09	-0.12	-0.4	0.07	-0.33	0.17	0.4	0.57	0.37	0.15	0.2275	0.635	0.056184	0.587437	0.42291	1	0.99961	0.495761		
Map2_P13349_5915_1	-0.72	-0.14	-0.47	-0.84	-0.4	-0.2	-0.29	0.11	-0.13	0.18	0.71	0.66	-0.43	0.43	0.12	-0.43	0.06	0.02	0.24	0.53368	0.178251	0.202377	1	0.99961	0.474979		
Map310_03Y9M_5502_1	0.56	-0.48	-0.1	-0.72	-0.74	-0.54	-0.87	-0.81	-0.68	-0.23	-0.63	-0.26	0.25	0.1	-0.41	-0.05	-0.275	0.015	0.4375	0.036038	0.300991	0.958666	1	0.99961	0.63587		
Map310_03Y9M_5714_1	2.82	-0.74	-3.79	-0.22	2.65	1.43	-0.05	-0.06	-0.68	-0.23	-0.78	-1.77	-0.43	0.68	-2.29	-2.39	1.475	0.0375	-1.625	0.27505	0.26391	0.975926	1	0.99961	0.70187		
Map310_03Y9M_5812_1	0.56	-0.48	-0.1	-0.72	-0.74	-0.54	-0.87	-0.81	-0.68	-0.23	-0.63	-0.26	0.25	0.1	-0.41	-0.05	-0.275	0.015	0.4375	0.036038	0.300991	0.958666	1	0.99961	0.63587		
Map310_03Y9M_5520_1	0.71	1.37	0.92	0.84	1.11	0.92	0.24	1.51	1.06	0.82	1.14	1.83	1.2	2.21	1.14	1.66	-0.015	0.2525	0.5925	0.11356	0.964564	0.473701	1	0.99961	0.577068		
Map310_06070_5569_1	2.15	0.5	0.25	0.84	0.02	0.47	1.05	-0.02	0.09	1	0.13	0.03	-1.38	-0.71	-0.05	-0.57	-0.305	-0.4375	-1.3625	0.03566	0.589171	0.447382	1	0.99961	0.453963		
Map310_06070_743_1	1.52	3.5	1.97	0.32	3.22	3.22	2.67	2.18	3.47	1.48	3.39	4.02	4.3	2.48	3.15	1.06	1.4	14.425	1.8	14.2435	0.175562	0.333897	1	0.99961	0.594222		
Map313_01H4Z5_538_1	0.99	1	1.03	0.52	1.79	0.92	0.76	0.41	1.48	0.43	1.18	1.17	0.24	1.34	0.42	1.27	1.12	0.055	0.3005	0.047486	0.687547	0.825908	1	0.99961	0.790722		
Map313_01H4Z5_568_1	1.14	0.7	-0.07	-0.18	0.77	1.65	0.33	-0.22	1.54	1.15	1.14	0.72	0.3	0.51	-0.03	-1.18	0.235	0.42	-0.2475	0.529449	0.625958	0.376559	1	0.99961	0.827277		
Map313_01H4Z5_5914_1	0.93	1.29	0.06	1.05	1.33	1.36	1.59	1.27	1.47	1.2	1.09	1.66	0.11	1.51	1.48	1.24	0.305	0.5225	0.225	0.562876	0.396561	0.150074	1	0.99961	0.841038		
Map313_05858_5453_1	-1.97	-1.58	-1.35	-0.53	-1.38	-0.77	-1.45	-0.59	-1.38	-1.57	-1.21	-1.28	-0.78	-1.28	-1.38	1.36	0.45	0.1625	0.46	0.23395	0.032411	0.61208	1	0.99961	0.921807		
Map314_00848_5116_1	1.55	1.11	1.31	1.03	0.45	1.41	0.84	0.87	1.39	1.96	0.05	0.79	-0.65	1.32	1.37	-0.05	-0.3575	-0.2025	-0.7525	0.152781	0.244516	0.563672	1	0.99961	0.625198		
Map314_00848_5424_1	-1.46	-1.04	-1.72	-0.71	-0.28	-2.08	-0.9	-1.37	-0.64	-1.41	-1.38	-0.6	-0.37	-0.63	-0.64	-0.65	0.075	0.225	0.66	0.06082	0.862143	0.528817	1	0.99961	0.502055		
Map314_00848_5454_1	-1.39	-1.22	-1.59	-0.84	-2.17	-1.09	-1.79	-1.32	-1.16	-0.67	-1.76	-0.42	-0.31	-1.65	-1.22	-0.5525	0.345	0.6	0.14276	0.23402	0.26938	0.528817	1	0.99961	0.617276		
Map317_002348_5389_1	1.95	-0.06	-0.4	0.36	0.14	0.22	0.46	-0.07	-0.25	0.35	0.61	-0.73	-0.54	-0.09	-0.68	0.53	-0.455	-0.4675	0.6575	0.24671	0.370577	0.40834	1	0.99961	0.687651		
Map319_029148_5540_1	-1.49	-0.43	-0.17	-1.37	-1.55	-1.09	-1.58	-1.23	-0.97	-0.34	-0.31	-0.01	0.68	-0.51	-0.43	-0.08	-0.4975	0.4575	0.78	0.07016	0.204	0.265997	1	0.99961	0.58886		
Map4_EBP243_5298_1	1.25	0.73	0.12	1	0.41	0.3	1.42	0.27	1.13	0.84	1.16	-0.28	-0.78	0.22	0.26	1.4	-0.175	-0.0625	-0.61	0.240897	0.647033	0.88169	1	0.99961	0.684338		
Map4_EBP243_5366_1	0.57	-0.08	-0.12	-0.54	-0.59	0.13	0.4	0.05	0.4	0.05	0.05	-0.43	0.05	-0.43	0.05	-0.43	0.05	-0.43	0.05	-0.43	0.05	0.39834	1	0.99961	0.70187		
Map4_EBP243_5514_1	1.36	0.77	1.23	0.66	0.46	1.14	0.65	0.65	0.83	1.66	0.6	0.6	0.36	0.6	0.77	0.49	-0.28	-0.0825	-0.45	0.14996	0.351368	0.811687	1	0.99961	0.6258		
Map4_EBP243_5623_1	0.72	0.41	-0.12	0.36	0.9	0.34	0.27	0.96	0.73	0.69	0.51	0.68	-0.51	0.9	0.57	0.77	0.275	0.31	0.09	0.819152	0.381856	0.281984	1	0.99961	0.938303		
Map4_EBP243_5645_1	0.84	0.41	0.46	1.42	0.84	1.34	1.52	2.02	1.58	1.37	2	1.89	0.11	1.78	2.32	2.04	0.6475	0.9275	0.72	0.216486	0.097424	0.317125	1	0.99961	0.669465		
Map4_EBP243_5679_1	1.52	0.69	0.01	0.59	1.14	0.57	1.89	1.43	1.57	1.41	1.27	0.89	-0.16	1.38	1.57	0.4	0.515	0.625	0.17	0.403261	0.814205	0.318619	1	0.99961	0.613394		
Map4_EBP243_5729_1	1.46	0.33	-0.18	1.74	1.38	0.89	1.71	1.23	0.72	1.17	1.27	1.41	-1.65	-0.58	-0.5	0.66	-0.645	-0.3425	-1.065	0.119408	0.375885	0.515821	1	0.99961	0.586997		
Map4_EBP243_5855_1	0.32	-0.26	0.9	0.45	0.41	0.57	1.27	0.11	-0.04	0.42	0.49	0.51	0.65	0.16	0.38	0.1125	-0.1125	-0.1875	0.627247	0.789998	0.738647	1	0.99961	0.863372			
Map4_EBP243_593_1	1.18	-2.55	-1.4	-0.59	1.13	-1.4	-2.01	-0.91	-2.25	-0.99	-0.4	-1.12	-1.52	-2.51	-1.61	-1.71	-0.525	-0.825	-0.1	0.74098	0.422039	0.39834	1	0.99961	0.70187		
Map4_EBP243_7509_1	0.23	1.71	1.82	0.56	0.55	1.77	0.44	1.33	1.16	1.45	1.2	1.4	1.26	1.71	1.28	2.3	-0.0575	0.2225	0.5575	0.246343	0.905477	0.593837	1	0.99961	0.687551		
Map4_EBP243_7694_1	0.23	0.91	0.59	0.17	0.41	0.56	0.08	0.48	0.54	0.89	0.31	0.52	0.83	1.11	0.56	0.87	-0.0925	0.09	0.3675	0.245991	0.743078	0.759139	1	0.99961	0.687551		
Map4_P27346_5517_1	-0.12	0.05	-0.17	-0.78	-0.33	0.06	-0.54	-0.46	-0.32	-0.14	-0.1	-0.07	-0.29	0.52	0.09	-0.37	-0.0625	0.0975	0.2425	0.480095	0.831414	0.712188	1	0.99961	0.801463		
Map4_P27346_5517_1	1.28	1.33	1.15	-0.51	0.62	0.56	-0.47	-0.58	-1.12	-1.4	-1.27	-1.21	-0.89	-1.02	1.36	0.45	0.515	0.625	1.1055	0.133505	0.401341	0.3417	1	0.99961	0.649023		
Map4_P27346_5517_1	-0.2	0.26	0.25	0.31	0.84	0.17	-0.33	0.27	0.73	-0.28	0.13	0.52	1.39	0.92	1.13	0.245	0.435	0.9875	0.009926	0.453048	0.23581	1	0.99961	0.376086			
Map4_P27346_5517_1	0.55	-0.48	-0.67	0.39	0.48	0.43	0.67	0.85	0.73	0	1.2	0.76	0.52	0.23	0.37	0.38	0.36	0.425	0.1275	0.710192	0.290439	0.287744	1	0.99961	0.899723		
Map4_P27346_5517_1	0.18	-2.26	-1.92	-1.1	-0.87	-2.01	-0.91	-2.25	-0.99	-0.4	-1.12	-1.52	-2.51	-1.61	-1.71	-0.525	-0.825	-0.1	0.74098	0.422039	0.39834	1	0.99961	0.70187			
Map4_P27346_5517_1	0.04	0.64	0.29	0.03	0.72	0.06	0.7	-0.07	0.46	0.73	1.13	0.65	0.2	0.81	1.29	0.615	0.02625	0.321379	0.13662	0.99961	0.489558	1	0.99961	0.489558			
Map4_P27346_5517_1	2	-0.32	-1.87	1.16	-0.84	1.12	1.84	-0.02	-0.43	2.03	0.65	-0.12	-1.05	-0.01	0.78	-0.36	-0.6525	-0.85	-1.3375	0.04592	0.365987	0.92889	1	0.99961	0.477883		
Map4_P27346_5517_1	1.96	-0.53	0.68	0.48	-0.69	0.58	1.53	-0.43	0.09	1.41	0.14	-0.27	-1.18	-0.26	0.32	-0.59	-0.4	-0.305	-1.075	0.077323	0.538878	0.600596	1	0.99961	0.542683		
Map4_P27346_5517_1	1.92	0.69	-0.12	-1.06	-0.22	0.56	-0.47	-0.58	-1.12	-1.4	-1.27	-1.21	-0.89	-1.02	1.36	0.45	0.515	0.625	1.1055	0.133505	0.401341	0.3417	1	0.99961	0.649023		
Map4_P27346_5517_1	0.33	0.61	-0.37	-1.32	-0.84	0.08	-0.65	-0.06	0.34	0.06	-0.15	-0.44	0.97	-0.67	-0.06	-0.54	-0.18	0.14	0.4475	0.398972	0.698405	0.317902	1	0.99961	0.761726		
Map4_P27346_5517_1	1.31	0.98	-0.06	0.71	1.38	1.79	0.51	0.76	0.87	1.61	0.63	0.4															

Marka_P26645_S141s_2	-0.21	0.02	0.05	-0.48	0.29	0.43	-0.09	-0.93	-0.25	-0.45	-0.36	0.14	-0.18	0	-0.37	0.8	0.105	0.05	-0.1575	0.607509	0.766329	0.855591	1	0.99961	0.858527	
Marka_P26645_S160s_1	0.04	1.3	0.93	1.22	0.53	1.53	0.63	1.21	2.06	1.4	1.65	1.57	0.98	1.61	1.11	2.54	-0.1275	-0.7525	0.4625	0.257311	0.681008	0.508288	1	0.99961	0.691081	
Marka_P26645_S163s_1	1.09	1.47	0.6	1.46	1.86	1.9	0.53	2.03	1.54	1.46	1.95	1.46	1.95	1.49	0.28088	0.184176	0.3078	0.447	0.260881	0.384176	0.42189	1	0.99961	0.727301		
Marka_P26645_S171s_1	0.45	1.07	1.11	0.9	0.35	0.85	0.65	1.02	0.44	0.77	0.81	0.72	0.69	0.3	0.69	0.67	-0.1675	-0.8075	-0.295	0.327709	0.566075	0.479528	1	0.99961	0.725013	
Marka_P26645_S26s_1	0.27	-0.55	0.33	0.25	-0.16	0.12	-0.06	-0.12	0.06	0.85	-0.03	0.53	0.29	0.26	0.46	-0.18	-0.13	0.2775	0.1325	0.686107	0.655341	0.42205	1	0.99961	0.899692	
Marka_P26645_S27s_1	0.17	-0.14	0.11	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.0975	0.039902	0.694145	0.279718	1	0.99961	0.899692	
Marka_P26645_S29s_1	0.89	1.18	0.24	-0.41	0.89	1.05	-0.66	-0.21	0.98	1.19	-0.84	0.1	1.73	1.13	-0.08	-0.01	-0.2075	-0.1175	0.2193	0.684213	0.685558	0.881293	1	0.99961	0.899692	
Marka_P26645_S46s_1	-0.26	-0.83	-0.4	-0.63	-0.42	-0.61	-0.42	-0.46	-0.56	-0.1	-0.35	-0.03	0.03	-0.28	0.12	0.01	0.0525	0.27	0.44	0.140509	0.834861	0.340941	1	0.99961	0.611718	
Marka_P26645_T143s_1	0.21	0.13	0.6	0.12	0.35	0.2	0.48	0.54	0.73	0.26	0.81	1.03	0.17	0.56	0.89	0.71	0.1775	0.4425	0.3175	0.303514	0.616141	0.146917	1	0.99961	0.714243	
Marka_P26645_T143s_2	0.12	0.15	0.14	0.15	0.14	0.15	0.14	0.15	0.14	0.15	0.14	0.15	0.14	0.15	0.14	0.15	0.14	0.15	0.3125	0.303514	0.347325	0.146917	1	0.99961	0.727301	
Marka_P26645_T79s_1	0.71	1.29	1.21	1.24	0.87	1.05	0.75	1.15	1.38	1.24	0.76	1.62	1.58	1.33	1.63	1.64	-0.1575	-0.1375	0.4325	0.152047	0.553165	0.64975	1	0.99961	0.627282	
Marka_P26667_S101s_1	0.01	0.57	0.63	0.38	0.09	0.04	0.12	0.12	1.49	1.15	1.42	1.14	1.01	0.96	1.25	1.86	-0.0505	-0.9025	0.8725	0.021409	0.883803	0.077719	1	0.99961	0.405544	
Marka_P26667_S101s_2	0.87	1.12	0.88	1.12	0.88	1.12	0.88	1.12	0.88	1.12	0.88	1.12	0.88	1.12	0.88	1.12	0.88	1.12	0.81	0.046653	0.255499	0.717167	1	0.99961	0.408013	
Marka_P26667_S120s_1	-1.52	-0.9	-0.12	-1.66	-1.24	-1.18	-1.15	-1.25	-1.18	-1.19	-1.09	-0.91	0.38	-0.68	-0.86	-0.44	0.0075	0.7075	0.9	0.032517	0.579266	0.061193	1	0.99961	0.442395	
Marka_P26667_S132s_1	-1.44	-1.49	-0.47	-1.45	-1.06	-1.51	-0.2	-0.09	-0.29	-0.44	0.1	0.37	0.14	-0.93	0.21	0.35	0.4975	0.8975	0.835	0.070772	0.207797	0.034231	1	0.99961	0.530826	
Marka_P26667_S135s_1	-1.76	-1.14	-1.19	-1.42	-1.84	-1.15	-1.76	-2.01	-0.61	-0.27	-2.29	-0.6	1.15	-1.15	-1.42	-2.36	-0.805	-0.885	0.9325	0.217006	0.864229	0.20323	1	0.99961	0.689405	
Marka_P26667_S151s_1	-0.25	-0.95	-1	-0.15	-0.55	-0.49	0.4	0.26	-0.42	0.46	0.22	0.49	0.38	-0.16	0.61	0.41	-0.255	-0.08	0.2325	0.078511	0.631451	0.866684	1	0.99961	0.887183	
Marka_P26667_S151s_2	0.13	-1.23	-0.85	-1.2	-0.61	-0.68	-0.68	-0.49	-0.32	0.43	-0.47	-1.46	-0.94	-1.75	-1.8	-1.78	0.1725	0.3325	-0.78	0.076731	0.624336	0.495422	1	0.99961	0.542673	
Marka_P26667_S152s_1	-0.47	-0.55	-0.19	-0.2	-0.4	-0.33	-0.09	-0.12	0.12	0.49	0.39	0.59	0.76	-0.21	0.33	0.75	0.1175	0.75	0.6	0.028743	0.636076	0.015915	1	0.99961	0.462703	
Marka_P26667_S156s_1	-0.16	-1.16	-1.15	-1.27	-0.62	-0.75	-0.15	-0.55	-0.15	-0.75	0.14	-0.76	-0.09	-0.37	0.42	0.16	0.3805	0.4625	0.4525	0.203603	0.551773	0.048656	1	0.99961	0.619728	
Marka_P26667_T122s_1	-1.78	-1.64	-1.74	-1.43	-1.41	-2.34	-1.76	-1.54	-0.93	-1.13	-1.41	-0.74	0.18	-0.1	-0.25	-1.45	-1.15	0.595	0.515	0.310468	0.069339	0.003134	1	0.99961	0.793934	
Marka_P26667_T148s_1	0.05	-0.88	-0.7	-0.44	-0.75	-0.31	-0.44	-0.61	-0.26	0.65	-0.64	-0.64	-0.02	-0.82	-0.9	-0.71	-0.035	0.4	-0.12	0.279288	0.940588	0.327066	1	0.99961	0.505023	
Marka_P26667_T148s_2	0.13	-1.23	-0.85	-1.2	-0.61	-0.68	-0.68	-0.49	-0.32	0.43	-0.47	-1.46	-0.94	-1.75	-1.8	-1.78	0.1725	0.3325	-0.78	0.076731	0.624336	0.495422	1	0.99961	0.542673	
Marka_P26667_T41s_1	0.51	1.2	-1.39	-1.28	-1.37	-1.56	-0.42	-1.27	-0.83	-0.78	-0.62	-0.81	-0.7	-1.05	-0.78	-0.81	-0.06	0.335	0.36	0.40787	0.864811	0.255275	1	0.99961	0.766986	
Marka_P26667_T85s_1	0.11	-1.16	-0.96	-1.05	-0.61	-0.73	-1.38	-0.77	0.28	0.79	-1.09	-1.21	-0.16	-0.98	-1.24	-1.07	-1.075	-0.4575	-0.0975	0.808898	0.767687	0.404843	1	0.99961	0.93635	
Marki_OBWH5_S382s_1	-0.19	0.52	0.02	0.13	0.33	0.08	-0.34	-0.04	0.06	0.04	0.02	0.27	0.53	0.42	0.08	0.32	-0.1125	-0.0225	0.2175	0.464048	0.691707	0.935554	1	0.99961	0.793831	
Marki_OBWH5_S403s_1	-0.16	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.2975	0.050209	0.143445	0.849822	1	0.99961	0.879564	
Marki_OBWH5_S414s_1	1.86	0.86	2.63	2.34	2.22	1.41	1.97	1.4	1.65	1.4	1.25	1.79	0.29	0.61	2.51	1.18	-0.4225	-0.65	-0.5325	0.401713	0.49816	0.168747	1	0.99961	0.763221	
Marki_OBWH5_S423s_1	-1.23	-0.67	0.47	0.16	-0.22	0.45	0.83	0.11	-0.55	-0.76	-0.32	-0.55	-0.19	-0.01	-0.16	-0.16	-0.0575	-0.2275	0.1875	0.648393	0.888678	0.579422	1	0.99961	0.874615	
Marki_OBWH5_S444s_1	1.46	0.68	1.38	2.06	1.46	0.8	1.61	1.42	0.78	0.81	1.17	1.13	0.24	-0.09	0.86	0.5	-0.0725	-0.4225	-1.0175	0.027218	0.391916	0.237594	1	0.99961	0.405544	
Marki_OBWH5_S468s_1	0.96	0.43	0.67	0.47	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.7155	0.17456	0.627165	0.81822	1	0.99961	0.642116	
Marki_OBWH5_S468s_2	0.03	-1	0.1	1.23	0.98	0.17	1.06	1.17	0.07	-1.13	0.94	0.63	-1.02	-1.14	1.13	0.33	0.75	-0.0475	-0.015	0.975956	0.815459	0.94922	1	0.99961	0.939554	
Marki_OBWH5_S488s_1	0.71	-1.36	0.01	0.27	0.3	0.25	0.39	0.69	0.05	-0.64	-0.29	0.01	-2.23	0.16	0.26	0.25	-0.005	-0.32	0.635719	0.642026	0.919518	1	0.99961	0.869397		
Marki_OBWH5_S508s_1	-0.23	-1.7	-1.55	-1.28	-0.3	-0.48	1.2	1.11	0.85	1.28	0.43	1.57	0.69	0.26	0.47	0.75	0.16	-0.45	-0.715	0.25277	0.34481	0.81582	1	0.99961	0.757789	
Marki_OBWH5_S508s_2	0.36	-0.65	-0.82	-0.15	-0.79	-0.48	0.49	0.01	-1.25	-0.37	0.68	-0.77	-1.46	-0.07	-0.89	-0.69	0.1225	-0.1125	-0.4625	0.274979	0.756258	0.811821	1	0.99961	0.700187	
Marki_OBWH5_S593s_1	0.74	0.39	0.62	-0.02	0.38	0.6	0.31	0.22	-0.23	0.72	-0.17	0.18	0.3	-0.29	0.64	0.17	-0.055	-0.3075	-0.5525	0.126678	0.840084	0.360239	1	0.99961	0.597196	
Marki_OBWH5_S603s_1	-0.1	-1.76	-1.08	-0.38	0.63	1.64	-0.14	-0.81	-0.76	-1.22	0.78	-0.53	-1.4	-1.15	-0.92	-0.77	0.0775	0.06	0.2525	0.527732	0.864675	0.879706	1	0.99961	0.824554	
Marki_OBWH5_S649s_1	1.12	0.5	1.15	1.27	0.62	0.95	1.81	1.65	1.05	1.44	1.76	0.64	1.13	1.63	1.2	0.8805	0.4675	-0.025	0.957862	0.145239	0.048656	1	0.99961	0.642116		
Marki_OBWH5_S666s_1	2.03	1.84	0.38	1.17	1.33	1.54	1.99	-0.16	1.95	0.51	0.5	0.3	-0.29	-1.06	-0.55	-1.37	-1.04	-0.2175	0.006068	0.743253	0.299826	1	0.99961	0.351308		
Marki_OBWH5_S666s_2	0.79	-1.33	-0.44	1.11	1.99	0.78	1.49	1.03	1.26	-0.24	0.09	-0.05	-1.89	0.53	0.58	-0.21	1.295	0.2375	-0.275	0.700799	0.404383	0.693356	1	0.99961	0.869835	
Marki_OBWH5_S686s_1	0.11	0.3	-0.6	-0.02	0.63	-0.37	-0.58	-0.14	0.28	-0.21	0.29	-0.19	-0.27	0.09	0.26	-0.18	-0.0625	0.095	0.0275	0.936075	0.880042	0.7584	1	0.99961	0.977897	
Marki_OBWH5_S686s_2	0.1	0.1	0.3	-0.6	-0.02	0.63	-0.37	-0.58	-0.14	0.28	-0.21	0.29	-0.19	-0.27	0.09	0.26	-0.18	-0.0625	0.095	0.0275	0.936075	0.880042	0.7584	1	0.99961	0.977897
Marki_OBWH5_S740s_1	1.03	-0.78	-1.57	0.96	1.52	0.21	0.44	1.23	-0.12	-0.33	-0.08	-0.99	-1.57	-0.57	-0.58	0.75	0.835	-0.29	-0.7775	0.230826	0.233147	0.640123	1	0.99961	0.681463	
Marki_OBWH5_S740s_2	2.93	-1.63	-2.99	1.97	3.3	1.18	2.72	1.48	0.1	-3.54	0.78	-1.75	2.75	-1.32	-1.46	-1.49	-1.51	-1.1725	-0.1825	0.160271	0.317608	0.480008	1	0.99961	0.627864	
Marki_OBWH5_S740s_3	0.96	0.43	0.67	0.47	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.7155	0.17456	0.627165	0.81822	1	0.99961	0.642116		
Marki_OBWH5_S740s_4	1.67	-0.27	-1.19	0.68	1.09	0.35	1.3	0.41	-0.37	0.22	-0.5	-0.44	-1.44	-0.06	-2.43	0.31	0.565	-0.495	-1.2525	0.113647	0.354748	0.40398	1	0.99961	0.577408	
Marki_OBWH5_S740s_5	0.06	-0.13	-0.03	0.77	0.95	0.23	0.88	1.29	-0.08	0.3	0.57	0.84	0.34	-1.05	0.01	-0.33	0.67	0.09								

Mf1_OBP0P5_1149_2	-2.57	-1.22	-1.7	-2.74	-1.14	-1.31	-2.82	-1.82	-1.08	-2.03	-1.68	-1.86	0.01	-1.28	-1.69	-1.79	0.285	0.395	0.87	0.118023	0.565433	0.35757	1	0.99961	0.585087	
Mf05_Q0114_5440_1	-0.09	1.45	-0.3	-0.12	-0.42	-0.55	-0.24	0.3	-0.36	-0.67	-0.86	0.94	2.17	-0.93	-0.92	-0.89	-0.2525	-0.4725	-1.0175	0.151819	0.578075	0.388051	1	0.99961	0.625198	
Mf06_Q0118_5646_1	0.01	0.38	0.08	-0.22	-0.18	-0.28	-0.12	-0.44	-0.38	-0.22	-0.44	-0.38	-0.22	-0.44	-0.38	-0.22	-0.44	-0.38	-0.22	0.348547	0.176022	0.247272	1	0.99961	0.613175	
Mf06_Q0183_5647_1	-0.61	-0.03	-0.42	-0.22	-0.23	-0.39	-0.56	-0.62	-0.47	-0.2	-0.3	-0.54	0.13	-0.04	-0.33	-0.15	-0.13	-0.075	0.2225	0.442795	0.618688	0.287337	1	0.99961	0.782367	
Mf06_Q0183_5736_1	2.13	-1.13	-0.14	-0.1	-1.41	0.01	0.81	-1.58	-1.18	0.75	-1.37	-0.91	-0.46	-0.97	-0.99	-1.51	-0.735	-0.8675	-1.1725	0.094782	0.361866	0.261386	1	0.99961	0.558128	
Mf06_Q0801_510_1	0.01	0.38	0.08	-0.22	-0.18	-0.28	-0.12	-0.44	-0.38	-0.22	-0.44	-0.38	-0.22	-0.44	-0.38	-0.22	-0.44	-0.38	-0.22	0.4051	0.321789	0.739819	1	0.99961	0.613175	
Mf06_Q1050_5287_1	0.04	-1.31	-0.27	-1.03	-1.64	-0.86	-0.44	-0.64	-1.33	-0.63	-1.57	-1.25	-2.41	-1.37	-0.11	-2.41	-1.37	-0.11	-0.7885	-1.5125	0.064023	0.545633	0.318434	1	0.99961	0.513532
Mf06_Q1050_7109_1	0.11	0.69	-0.06	0.58	0.36	0.49	-0.09	0.13	0.46	0.18	0.05	0.87	0.72	1.25	0.35	0.92	-0.1075	0.06	0.48	0.178599	0.713341	0.850199	1	0.99961	0.614032	
Mf06_Q1050_7205_1	-0.46	-0.66	0.72	-0.28	-0.06	-0.48	-0.29	0.21	0.11	-0.63	0.05	0.87	0.88	0.65	0.94	0.65	-0.18	-0.165	0.515	0.116472	0.625888	0.702745	1	0.99961	0.614116	
Mf06_Q1050_7321_1	1.28	0.26	0.53	-0.1	-1.38	0.08	-0.55	0.24	0.28	0.38	0.08	0.68	0.68	0.68	0.68	0.68	0.68	0.68	-1.125	0.054547	0.338137	0.275589	1	0.99961	0.533613	
Mf06_Q1050_7506_1	1.51	1.77	2.56	1.01	0.34	2.05	1.14	1.09	1.62	2.6	0.58	1.41	0.45	0.87	1.19	1.17	-0.5575	-0.16	-0.7925	0.067691	0.241749	0.749186	1	0.99961	0.521762	
Mf06_Q1050_7508_1	0.3	-1.02	0.06	0.05	-0.88	-0.45	0.4	-0.39	-0.61	0.36	0.31	-0.21	-0.57	-0.52	-0.14	-0.2	-0.1775	0.04	-0.205	0.748785	0.659756	0.916618	1	0.99961	0.846459	
Mf06_Q1050_7509_1	-0.26	-0.25	0.3	1.71	0.15	0.24	0.15	0.24	0.15	0.24	0.15	0.24	0.15	0.24	0.15	0.24	0.15	0.24	0.15	0.571887	0.451456	0.296483	1	0.99961	0.846459	
Mf06_Q1050_7510_1	-0.86	-0.28	-0.23	0.3	0.04	0.2	0.83	0.3	0.17	-0.71	-1.45	0.84	-0.7	0.61	0.33	0.87	0.61	0.705	0.545	0.21231	0.091514	0.176823	1	0.99961	0.671697	
Mf06_Q1050_7511_1	1.06	0.4	1.36	0.72	0.21	1.24	0.52	0.56	0.53	1.9	-0.19	0.05	-1.01	0.96	0.62	0.47	-0.0525	-0.1125	-0.425	0.440777	0.903384	0.840488	1	0.99961	0.781983	
Mf06_Q1050_7512_1	-0.22	-0.27	0.13	-0.15	-0.1	-0.23	-0.35	-0.46	-0.26	-0.81	-0.76	0.04	0.34	0.89	0.3	0.71	0.2075	0.23	0.9525	0.098747	0.69404	0.596211	1	0.99961	0.561298	
Mf06_Q1050_7513_1	-0.01	-0.46	-0.1	-0.13	-0.8	-0.57	-0.83	-0.14	-0.3	0.15	0.09	-0.18	-0.48	-0.14	-0.45	-0.03	-0.11	0.1005	0.746803	0.264974	0.529757	1	0.99961	0.510293		
Mf06_Q1050_7514_1	-0.03	-0.08	0.03	-0.03	-0.17	-0.25	-0.64	-0.53	-0.43	0.13	-0.5	-0.12	0.56	-0.17	-0.18	-0.42	-0.2325	0.155	0.068782	0.12731	0.390691	0.885851	1	0.99961	0.858851	
Mf06_Q1050_7515_1	-0.34	-0.89	0.8	-0.03	-0.71	0.56	-0.16	-0.53	-0.88	-0.82	-0.32	0.17	-1.24	-0.72	-0.55	-0.095	-0.3475	-0.2775	0.599988	0.82091	0.425663	0.883805	1	0.99961	0.838905	
Mf06_Q1050_7516_1	0.03	-0.17	-0.25	-0.86	-0.61	-0.86	-0.19	-0.7	-0.78	-0.17	-0.12	-0.75	-1.66	-1.72	-1.58	-0.72	-0.2775	0.085	-0.2	0.462651	0.689566	0.216603	1	0.99961	0.617471	
Mf06_Q1050_7517_1	0.64	0.1	0.05	0.7	0.27	0.67	-0.66	0.24	0.37	0.22	0.13	0.11	0.14	0.51	-0.72	0.7	-0.2425	-0.165	-0.215	0.587348	0.50076	0.598969	1	0.99961	0.848861	
Mf06_Q1050_7518_1	-0.88	-0.47	-0.93	-1.15	-0.59	-0.86	-1.36	-1.22	-0.75	-1.23	-0.98	-0.2	-0.48	-1.24	-0.92	-0.38	-1.24	-0.92	0.6475	0.663778	0.611623	0.778951	1	0.99961	0.883805	
Mf06_Q1050_7519_1	-1.56	-2.89	-2.7	-2.7	-1.01	-3.42	-1.67	-1.14	-2.74	-2.85	-2.72	-2.93	-2.72	-2.68	-3.6	-3.26	-15.25	-0.3475	-0.0205	0.152520	0.796931	0.311287	1	0.99961	0.26623	
Mf06_Q1050_7520_1	0.53	0.13	0.14	1.63	0.76	1.03	0.63	1.67	0.49	0.09	1.37	0.8	1.59	0.89	1.78	1.43	1.365	0.03	0.967033	0.390007	0.844206	0.99961	1	0.99961	0.886451	
Mf06_Q1050_7521_1	-0.02	0.53	0.14	1.63	0.41	0.82	0.63	1.67	0.28	0.17	1.37	0.8	-1.3	0.71	1.78	1.43	1.3125	-1.57E-16	0.085	0.920567	0.89842	1	1	0.968183		
Mf06_Q1050_7522_1	-0.15	-0.37	-0.31	0.76	-0.39	0.17	-0.06	0.35	-0.73	-1.6	0.52	0.62	-1.22	0.23	0.46	0.12	-0.05	-0.425	0.471157	0.903384	0.612963	1	0.99961	0.797981		
Mf06_Q1050_7523_1	0.85	0.33	0.08	0.09	1.17	0.48	0.41	1.47	0.39	0.13	1.38	1.55	2.09	2.62	1.8	2.62	1.8	2.62	0.575	0.27069	0.942696	0.613175	1	0.99961	0.613175	
Mf06_Q1050_7524_1	1.4	1.16	0.75	0.93	1.96	2.95	1.32	2.02	1.37	1.28	1.92	1.52	0.11	1.11	2.39	2.1	0.7525	0.4625	0.3675	0.503567	0.094367	0.230879	1	0.99961	0.814092	
Mf06_Q1050_7525_1	2.05	0.53	-1.7	0.31	-0.3	0.55	0.44	0.04	1	1.32	-1.18	0.85	-0.3	0.74	0.83	-0.16	0.15	0.465	0.245	0.741384	0.83431	0.586607	1	0.99961	0.900607	
Mf06_Q1050_7526_1	0.46	-0.66	0.04	0.08	-0.37	-0.52	-0.27	-0.14	-0.13	0.35	-0.17	-0.61	-0.71	-1.41	-0.3	-1.01	-0.17	-0.12	0.8375	0.040515	0.697178	0.296609	1	0.99961	0.473465	
Mf06_Q1050_7527_1	-0.17	-1.56	-0.1	-0.39	-0.36	-0.88	-0.19	-0.7	-0.12	-0.75	-1.66	-1.72	-1.58	-0.72	-1.58	-0.72	-1.58	-0.72	0.955	0.038782	0.862198	0.207816	1	0.99961	0.647033	
Mf06_Q1050_7528_1	0.51	0.02	0.09	0.55	0.82	0.17	0.29	0.19	0.18	-0.05	0.6	0.38	-1.13	0.43	0.45	0.25	0.075	-0.015	-0.4825	0.248406	0.79178	0.98153	1	0.99961	0.685751	
Mf06_Q1050_7529_1	-0.17	-0.69	-0.4	0.35	-1.13	-0.92	-0.21	-0.92	-0.82	-0.07	0.71	-1.34	-1.88	-1.65	-0.8	-1.67	-0.395	-0.2975	-1.0975	0.07661	0.204276	0.404111	1	0.99961	0.358173	
Mf06_Q1050_7530_1	0.52	1.54	0.1	0.13	0.39	0.76	1.29	0.81	0.33	0.88	0.5	0.41	0.52	0.13	0.64	0.1875	0.025	0.1	0.424291	0.641425	0.59363	0.789679	1	0.99961	0.789679	
Mf06_Q1050_7531_1	0.83	-0.66	-0.29	-0.63	-0.67	-0.12	-0.46	-0.41	1.63	1.27	-0.51	0.3	0.36	-0.43	-0.06	-0.15	-0.2275	-0.86	0.1175	0.77286	0.556383	0.143708	1	0.99961	0.920172	
Mf06_Q1050_7532_1	0.37	0.26	0.35	-0.19	-0.34	0.29	0	-0.17	0.94	0.85	-0.49	0.22	-0.64	0.35	-0.02	-1.08	-0.2525	0.1825	-0.545	0.178996	0.388012	0.632172	1	0.99961	0.642116	
Mf06_Q1050_7533_1	0.09	-0.43	-2.25	-0.53	-1.39	-0.87	-2.19	-2.12	0.53	0.88	-1	-0.23	-0.5	-0.81	-1.7	-2.52	-11.25	0.1475	0.88249	0.88532	0.383525	1	0.99961	0.952521		
Mf06_Q1050_7534_1	-0.03	-0.19	-0.68	-0.25	-0.16	0.13	-0.77	-0.64	-1.19	-1.33	-0.78	-1.63	-0.49	-0.56	-0.29	-0.83	-0.105	0.15	0.51928	0.724619	0.912654	1	0.99961	0.620814		
Mf06_Q1050_7535_1	-1.42	-2.55	-0.02	-0.37	-0.66	-0.12	0.5	-0.21	-0.92	-0.45	0.2	-7.03	-4.28	0.36	0.06	-0.385	-0.2275	-1.08	-0.556646	0.812526	0.884342	1	0.99961	0.838305		
Mf06_Q1050_7536_1	-0.39	-0.76	0.84	-0.91	-1.39	-1.11	-0.77	-1.35	-0.98	-0.28	-1.24	-1.03	-1.4	-0.88	-1.13	-0.76	-0.43	-0.1975	-0.0025	0.993977	0.138871	0.611342	1	0.99961	0.997705	
Mf06_Q1050_7537_1	-0.2	0.36	0.65	-0.88	-0.11	0.07	-0.04	0.61	-0.28	-0.03	0.86	1.01	0.27	0.4	0.41	0.75	-0.17	0.8675	0.135	0.662095	0.577749	0.861772	1	0.99961	0.881128	
Mf06_Q1050_7538_1	0.8	0.51	1.25	0.56	1.76	0.73	0.39	0.18	0.56	0.37	0.85	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	1	0.99961	0.881128	
Mf06_Q1050_7539_1	1.76	1.14	1.18	1.54	0.95	2.61	1.94	1.18	1.9	1.86	0.8	-0.28	-0.78	1.49	0.35	0.73	0.015	-0.335	-0.9575	0.070136	0.796835	0.514568	1	0.99961	0.525916	
Mf06_Q1050_7540_1	-0.17	0.44	-0.02	-0.37	0.07	0.21	-0.45	-0.14	-0.12	-0.06	0.33	-0.17	-0.52	0.83	-0.46	-0.0475	-0.14	0.245	0.517549	0.871258	0.796609	1	0.99961	0.818499		
Mf06_Q1050_7541_1	1.2	0.84	0.02	-0.37	0.07	0.21	-0.45	-0.14	-0.12	-0.06	0.33	-0.17	-0.52	0.83	-0.46	-0.0475	-0.14	0.245	0.517549	0.871258	0.796609	1	0.99961	0.818499		
Mf06_Q1050_7542_1	-0.99	-0.42	-0.26	-0.25	0.02	-0.49	-0.64	-0.26	-0.34	0.23	0.07	0.33	0	0.11	0.38	0.2225	0.405	0.685	0.30436	0.486898	0.193746	1	0.99961	0.475443		
Mf06_Q1050_7543_1	2.19	-0.19	-0.10	2.14	1.37	1.01	2.24	1.41	0.62	0.48	1.43	0.27	-2.69	-0.38	-0.21	-0.11	0.7275	-0.08	-1.6275	0.089893						

Mnu2_Q3DH0D_5435s_2	0.36	-1.18	-1.55	-1.63	-1.43	-2.14	-0.17	-0.47	-0.8	-0.4	-1.2	-0.47	-1.54	-2.17	-1.22	-2.04	-0.0525	0.2825	-0.7425	0.155601	0.928695	0.558863	1	0.999631	0.626444	
Mnu2_Q3DH0D_5951s_1	0.72	-0.99	-1.59	-0.06	1.12	0.21	0.45	-0.08	0.16	-0.72	-0.58	-0.74	-1.59	-0.21	-0.72	-0.62	0.89	-0.005	-0.32	0.559141	0.114488	0.932448	1	0.999631	0.830222	
Mnu2_Q3DH0D_71311s_1	0.17	-2.1	-2.48	-0.1	-0.16	-0.2	-0.18	-0.24	-0.1	-0.18	-0.24	-0.1	-0.18	-0.24	-0.1	-0.18	-0.24	-0.1	-0.18	0.880481	0.027481	0.445570	1	0.999631	0.702777	
Mnu2_Q3DH0D_7433s_2	0.36	-1.18	-1.55	-1.63	-1.43	-2.14	-0.17	-0.47	-0.8	-0.4	-1.2	-0.47	-1.54	-2.17	-1.22	-2.04	-0.0525	0.2825	-0.7425	0.155601	0.928695	0.558863	1	0.999631	0.626444	
Mnu2_Q3DYP7_5249s_1	0.23	-0.29	0.42	0.14	-0.15	0.52	-0.34	0.1	-0.11	0.12	-0.3	0	0.55	0.53	0.33	0.17	-0.0925	-0.38	-0.005	0.988337	0.759097	0.285992	1	0.999631	0.999409	
Mnu2_Q3DYP7_5249s_1	-0.84	-0.6	-0.4	-0.57	-0.6	-0.57	-0.6	-0.57	-0.6	-0.57	-0.6	-0.57	-0.6	-0.57	-0.6	-0.57	-0.6	-0.57	-0.6	0.894848	0.012091	0.431630	1	0.999631	0.702777	
Mnu2_Q3DYP7_5311s_1	-0.37	-0.3	-0.13	0.4	-0.62	-0.47	-1.09	0.21	-0.29	0.53	-0.54	-0.88	-0.92	-0.19	0.05	0.26	0.395	-0.46	-0.1	0.781564	0.227608	0.141767	1	0.999631	0.927706	
Mnu2a_Q3DH0D_5168s_1	1.22	1.28	0.48	0.09	1.97	1.19	0.14	0.94	1.33	0.65	1.08	0.55	1.09	1.33	0.41	1.1	0.1075	0.01	-0.355	0.442384	0.780558	0.973733	1	0.999631	0.782367	
Mnu2a_Q3DH0D_5207s_1	-0.06	-0.31	-0.2	-0.35	-0.41	-0.25	-0.47	-0.11	-0.28	0.17	-0.07	-0.06	0.2	-0.03	-0.22	0.29	-0.08	0.17	0.305	0.283408	0.937134	0.50443	1	0.999631	0.780903	
Mnu2a_Q3DHT7_5141s_1	0.09	0.1	-0.2	-0.2	-0.16	-0.03	-0.18	-0.2	-0.13	-0.06	-0.13	-0.06	-0.13	-0.06	-0.13	-0.06	-0.13	-0.06	0.6075	0.507004	0.845431	0.1445	1	0.999631	0.825927	
Mnu2a_Q3DHT7_579s_1	1.02	1.86	-1.36	-0.04	-0.34	-1.9	-0.58	-0.11	1.76	1.9	-1.55	-0.34	2.18	0.62	0.55	-0.04	-0.1525	0.0725	0.4575	0.540689	0.846144	0.938744	1	0.999631	0.831517	
Mnu2bpa_Q3DHT7_51164s_1	-1.39	-0.7	-1.33	-0.36	-1.12	0.31	-0.67	-0.82	-1.04	0.17	-0.13	-0.27	-0.33	-0.23	-0.27	-0.27	-0.15	0.6275	0.67	0.063739	0.886171	0.512951	1	0.999631	0.512978	
Mnu2bpa_Q3DHT7_51232s_1	-1.1	-1.1	-1.09	-0.1	-1.19	-0.1	-1.17	-0.1	-1.17	-0.1	-1.17	-0.1	-1.17	-0.1	-1.17	-0.1	-1.17	-0.1	0.425	0.275467	0.171381	0.7117	1	0.999631	0.702777	
Mnu2bpa_Q3DHT7_5722s_1	1.4	1.92	3.46	1.68	0.88	2.41	2.04	1.53	1.56	2.65	0.97	1.48	1.41	0.56	1.7	0.56	-0.4	-0.45	-1.0575	0.063995	0.453589	0.413589	1	0.999631	0.513532	
Mnu2bp2_F6SMW7_5228s_1	-0.89	-0.84	-0.43	-1.08	-1.12	-1.52	-0.37	-0.84	-1.15	-1.08	-0.53	-0.48	-0.68	-1.07	-0.34	-0.08	-0.4025	-0.25	0.0175	0.595705	0.256215	0.441691	1	0.999631	0.980905	
Mnu2bp2_F6SMW7_5280s_1	2.95	-0.33	1.35	1.57	-0.12	0.88	1.26	0.29	-0.58	2.22	0.45	-0.33	-2.1	-0.14	0.61	-0.1	-0.4725	0.945	-1.8425	0.028731	0.502214	0.20242	1	0.999631	0.427571	
Mnu2bp2_F6SMW7_5389s_1	-0.82	-0.49	-0.5	-1.25	-0.55	-0.65	-1.12	-1.19	-0.36	-0.95	-0.92	-1.19	-0.4	-0.66	-1.05	-0.72	0.075	0.0225	0.125	0.473531	0.813697	0.41234	1	0.999631	0.797974	
Mnu2bp2_F6SMW7_7158s_1	1.09	0.14	0.57	0.46	0.31	0.76	-0.06	-0.27	-0.37	2.23	0.39	-0.38	1.13	1.04	-0.92	-0.08	-0.45	-0.0975	-0.7725	0.293595	0.499799	0.886889	1	0.999631	0.708293	
Mnu2bp2_F6SMW7_7188s_1	-1.7	-0.03	-0.52	-0.7	-0.78	-1.02	-1.19	-0.74	-0.78	-0.65	0.41	-0.21	0.41	-1.91	0.2	-0.88	-0.21	0.415	0.1775	0.746156	0.438701	0.30824	1	0.999631	0.519575	
Mnu2l_Q3BSC4_516s_1	0.17	0.2	0.12	0.87	-0.1	0.8	0.58	0.12	0.33	0.26	0.11	0.34	-0.08	-0.1	0.3	0.38	-0.08	-0.125	0.025	0.775985	0.458915	0.538981	1	0.999631	0.920207	
Mnu2l_Q3BSC4_5403s_1	-0.11	0.14	0.21	1.28	0.7	0.23	1.3	0.56	0.65	0	0.58	-0.84	-0.26	0.49	0.17	0.3175	0.075	-0.49	0.270316	0.52891	0.83455	1	0.999631	0.697748		
Mnu2l_Q3SV4_51970s_1	1.64	0.42	-1.21	1.76	2.61	0.91	1.73	1.7	1.28	0.02	1.34	1.08	-1.05	1.42	0.62	0.9	1.085	0.775	-0.18	0.814065	0.137764	0.682825	1	0.999631	0.937041	
Mnu2l_Q3SV4_51996s_1	-0.29	2.65	1.64	0	2.21	2.69	1.06	-0.32	2.5	0.8	0.76	1.08	1.25	0.99	0.76	-0.75	0.41	0.285	-0.4375	0.521293	0.627472	0.692045	1	0.999631	0.836594	
Mnu2l_Q3SV4_52006s_1	-1.29	-0.07	1.12	1.24	0.4	0.79	0.94	-0.57	1.17	-1.54	1.24	1.46	1	-1.87	0.27	-1.75	0.365	0.925	-0.2175	0.786481	0.502025	0.215055	1	0.999631	0.921689	
Mnu2l_Q3SV4_71999s_1	-0.29	2.65	1.64	0	2.21	2.69	1.06	-0.32	2.5	0.8	0.76	1.08	1.25	0.99	0.76	-0.75	0.41	0.285	-0.4375	0.521293	0.627472	0.692045	1	0.999631	0.836594	
Mnu2l_E9P0E7_51954s_1	-0.55	-0.31	-0.25	0.62	0.37	-0.47	0.02	-0.84	1.13	3.73	0.68	5.19	0.84	0.24	0.98	0.3	0.96	0.55	0.2925	0.525698	0.294474	0.801095	1	0.999631	0.821224	
Mnu2l_Q3DVS5_51931s_1	1.48	-1.71	-3.4	-3.78	0.23	0.44	-2.4	-4.53	1.18	2.46	-3.59	-4.81	0.41	-0.89	-4.46	-5.29	-0.75	-0.85	0.575	0.521112	0.362228	0.202026	1	0.999631	0.407567	
Mnu2l_Q3ZW0R_520s_1	1.62	0.91	0.85	1.2	1.15	0.95	1.24	1.39	0.66	0	1.02	0.88	-0.11	1.16	0.77	1.44	0.0375	-0.355	-0.33	0.421085	0.893378	0.237185	1	0.999631	0.772817	
Mnu2l_E9P0E2_5279s_1	0.93	1.18	-0.27	-0.14	-0.49	0.58	-0.17	-0.31	0.9	1.84	-0.2	-0.41	-0.38	-0.91	0.05	0.51	-0.6575	-0.4775	-0.7425	0.115215	0.117445	0.443372	1	0.999631	0.577068	
Mnu2l_E9P0E2_52s_1	-0.23	-0.79	-0.66	1.1	0.21	0.75	0.18	0.13	-0.77	-0.04	-0.96	-0.34	-0.7	0.06	0.49	0.7	0.13	-0.2125	-0.2825	0.579921	0.783731	0.673066	1	0.999631	0.848627	
Mnu2l_E9P0E2_51559s_1	1.09	1.23	1.19	0.98	0.75	1.28	0.97	0.84	1.26	1.49	0.25	1.78	0.52	1.68	0.24	1.14	0.15	0.1625	0.40126	0.764884	0.908078	1	0.999631	0.825927		
Mnu2l_E9P0E2_5472s_1	2	1.41	0.29	2.23	2.05	1.24	1.99	0.98	1.91	0.48	1.45	1.24	0.27	0.24	0.39	0.35	0.0825	-0.2125	-1.305	0.015846	0.864175	0.6717	1	0.999631	0.388822	
Mnu2l_Q3DM9_5164s_1	0.11	-0.32	1.18	1.07	1.52	1.05	1.45	-0.94	-0.19	-0.97	-0.86	-0.12	-2.06	0.62	0.71	1.09	0.26	-0.615	-0.42	0.561358	0.674592	0.235562	1	0.999631	0.840316	
Mnu2l_Q3DM9_52040s_1	-0.52	-0.88	-0.73	-1.44	-0.51	-0.29	-1.52	-0.75	-1.08	-0.57	-0.74	-1.08	-0.57	-0.74	-1.08	-0.57	-0.74	-1.08	-0.57	0.504902	0.192288	0.232288	1	0.999631	0.825927	
Mnu2l_Q3DZ62_51425s_1	-0.05	-0.33	-0.65	-0.27	0.36	-0.26	-0.02	0.28	-0.51	-0.71	-0.44	-0.02	-1.05	-0.13	-0.29	0.21	0.28	-0.125	0.737595	0.366512	0.465943	1	0.999631	0.907795		
Mnu2l_Q3DZ62_5160s_1	-0.4	-0.55	-0.43	-0.81	-0.82	-0.89	-0.72	-0.86	-0.61	-0.35	-0.6	-0.5	-0.35	-0.29	-0.53	-0.44	-0.275	0.025	0.32	0.11776	0.269717	0.897508	1	0.999631	0.721252	
Mnu2l_Q3DZ62_71423s_1	0.1	-0.73	-0.3	0.44	-0.1	0.8	0.58	0.2	0.14	-0.63	-0.25	0.14	-0.63	-0.25	0.14	-0.63	-0.25	0.14	0.05	0.781601	0.512493	0.23584	1	0.999631	0.920207	
Mnu2l_E9Q11_51123s_1	-0.47	-0.24	-0.56	-0.37	-0.11	-0.26	-0.83	-0.24	-0.18	-0.73	-0.45	-0.29	-0.47	-0.34	-1.18	-0.5	0.225	-0.1425	0.0225	0.952914	0.469803	0.69009	1	0.999631	0.848117	
Mnu2l_E9D3A8_51259s_1	0.38	0.95	0.69	0.31	-0.22	0.08	-0.11	0.66	0.09	0.02	0.69	0.69	0.19	0.31	1.21	0.66	-0.425	-0.21	0.01	0.974423	0.177529	0.489504	1	0.999631	0.991938	
Mnu2l_E9D3A8_51900s_1	-0.07	-0.43	-0.62	-0.05	0.7	-0.85	-1.4	0.35	0.65	-0.44	-0.25	-0.38	-0.44	-0.25	-0.38	-0.44	-0.25	-0.38	-0.44	0.671865	0.982676	0.228287	1	0.999631	0.848779	
Mnu2l_E9D3A8_51113s_1	-0.83	-0.06	-0.13	-0.06	-0.13	-0.06	-0.13	-0.06	-0.13	-0.06	-0.13	-0.06	-0.13	-0.06	-0.13	-0.06	-0.13	-0.06	-0.13	0.775	0.14283	0.98103	0.23584	1	0.999631	0.920207
Mnu2l_E9D3A8_51264s_1	-0.92	-0.51	-0.88	-1.51	-0.34	-1.14	-0.1	-1.2	-0.06	-1.41	-1.16	-0.38	-0.68	-0.61	-0.88	-1.39	0.31	0.4225	0.405	0.402711	0.431849	0.848372	1	0.999631	0.764046	
Mnu2l_E9D3A8_51933s_1	-4.4	-0.88	-0.77	-2.05	-1.22	2.09	-1.57	-1.83	-1.5	-1.54	-1.01	-1.39	-0.56	-1.31	-0.68	-2.55	0.3475	0.07	0.96	0.289997	0.480483	0.23202	1	0.999631	0.706164	
Mnu2l_E9D3A8_5174s_1	0.02	0.42	0.10	0.95	0.01	0.95	0.01	0.95	0.01	0.95	0.01	0.95	0.01	0.95	0.01	0.95	0.01	0.95	0.01	0.95	0.01	0.95	1	0.999631	0.920207	
Mnu2l_E9D3A8_5182s_1	-0.11	0.05	0.84	-0.18	-0.95	-0.32	-0.62	0.31	-0.24	-0.45	0.73	0.71	0.84	-0.51	1.17	0.55	-0.545	0.0375	0.6175	0.096007	0.166907	0.923052	1	0.999631	0.558708	
Mnu2l_E9D3A8_5454s_1	0.72	0.58	0.77	0.8	0.69	0.41	1.11	1.04	0.27	0.5	0.99	0.55	-0.13	0.46	0.62	0.63	-0.155	-0.14	-0.3225	0.29135	0.88605	0.605562	1	0.999631	0.706164	
Mnu2l_E9D3A8_5618s_1	0.08	0.46	-1.13	-1.51	-0.56	-0.11	-2.35	-1.81	-0.78																	

Nm1_08B8M1_585s_1	0.46	-0.06	0.58	0.57	-0.28	-0.29	0.65	-0.35	0.41	1.15	0.89	0.25	1.06	-0.65	0.17	-0.59	-0.455	0.2875	-0.39	0.379248	0.185654	0.377292	1	0.99961	0.751637	
Nm2_07B9R2_5464s_1	1.02	0.15	-0.49	0.7	-0.11	0.18	-0.04	-0.72	1.16	-0.68	-0.66	-1.31	-0.69	0.49	-0.54	-1.7	-0.0125	-0.3675	-0.605	0.288851	0.378891	0.370541	1	0.99961	0.750572	
Nm3_07B9R2_5470s_1	0.86	0.27	0.7	0.25	0.02	0.02	0.02	0.26	0.86	0.27	0.86	0.27	0.86	0.27	0.86	0.27	0.86	0.27	0.86	0.27	0.86	0.27	1	0.99961	0.750572	
Nm4_07B9R2_5476s_1	2.13	-2.48	0.07	-0.21	-2.35	-0.79	0.30	-2.28	-5.41	0.81	-1.77	-2.67	-1.31	-4.26	-2.47	-1.83	-0.7725	-1.3175	-2.325	0.035814	0.371868	0.139579	1	0.99961	0.453811	
Nm1_0C0711_51460s_1	-1.66	0.77	-0.29	-2.06	-0.28	-0.95	0.05	-0.74	0.31	-2.19	0.74	-0.97	1.24	-1.94	-0.78	-1.22	0.34	0.7675	-0.09	0.917778	0.583926	0.378006	1	0.99961	0.97388	
Nm1_0C0711_51466s_1	-1.03	-0.29	-0.10	-0.54	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	1	0.99961	0.97388	
Nm1_0C0711_51466s_1	-0.9	-1.26	-1.42	-0.92	-1.42	-1.69	-1.18	-0.96	-1.71	-1.45	-1.13	-0.54	-0.42	-0.95	-0.75	-1.24	-1.875	-0.0825	0.285	0.367683	0.511554	0.480466	1	0.99961	0.745688	
Nm1_0E0404_52370s_1	0.24	0.07	-0.32	-1.49	-1.17	0.05	0.4	-0.79	-0.32	0.05	-1.18	-0.97	0.04	-0.43	-0.49	-0.35	-0.2275	-0.15	0.0475	0.930811	0.611465	0.474863	1	0.99961	0.970501	
Nm1_0E0404_52370s_1	0.12	0.1	-0.25	-1.09	-0.06	0.59	-0.26	-0.19	-0.37	-0.05	-1.05	-0.98	0.07	-0.39	0.56	0.3	-0.09	-0.1375	0.37	0.136603	0.809379	0.707541	1	0.99961	0.727374	
Nm1_0E0404_52370s_1	0.08	0.72	0.2	-0.31	-0.15	-0.12	0.02	-0.02	-0.02	0.02	-0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	1	0.99961	0.962505	
Nm1_0E0404_531s_1	0.31	0.35	0.26	-1.03	-1.16	-1.47	0.10	-0.78	-0.49	-0.81	0.31	0.11	0.82	-1.05	-0.95	-0.34	-0.5575	-0.1925	0.7625	0.070897	0.361768	0.615264	1	0.99961	0.514211	
Nm1_0E0404_5144s_1	0.42	0.7	0.22	-0.09	-0.03	0.55	-0.29	0.31	0.26	0.41	0.02	0.52	0.59	1.11	0.52	0.61	0.3375	0.005	0.09903	0.933679	0.505979	1	0.99961	0.562298		
Nm1_0E0404_5144s_1	2.7	-1.2	-1.2	-0.2	-0.89	0.7	2.89	0.7	2.89	0.7	2.89	0.7	2.89	0.7	2.89	0.7	2.89	0.7	2.89	0.7	2.89	0.7	1	0.99961	0.562298	
Nm1_0E0404_5176s_1	-0.66	1.62	1.46	-0.49	-2.78	0.43	3.44	0.17	3.87	-0.35	2.83	4.11	3.86	-0.22	1.7	-0.67	1.2225	2.1325	0.685	0.509319	0.190725	0.602049	1	0.99961	0.816932	
Nm1_0E0404_5148s_1	0.79	0.32	0.37	0.42	0.75	0.25	-0.33	1.05	-0.39	-0.18	0.64	0.35	-0.81	0.14	0.52	-0.17	-0.005	0.140878	0.87655	0.549322	1	0.99961	0.612455			
Nm1_0E0404_5153s_1	0.51	1.77	0.3	0.31	0.38	1.61	0.23	0.63	1.23	1.43	-0.3	-0.64	1.21	2.23	0.65	0.36	-0.1	-0.2925	0.39	0.451526	0.382603	0.104547	1	0.99961	0.790041	
Nm1_0E0404_5153s_1	0.04	0.32	0.08	-0.18	-0.01	0.87	0.3	1.25	0.56	1.1	1.25	0.9	1.22	1.48	1.21	0.51	0.2475	0.6975	0.85	0.020607	0.497514	0.034211	1	0.99961	0.931668	
Nm1_0E0404_5292s_1	-0.8	-0.12	0.27	-0.67	-0.69	-0.07	0.4	0.1	-0.42	-0.34	0.73	0.65	0.61	0.47	1.34	0.56	0.065	0.485	1.075	0.01374	0.484247	0.205054	1	0.99961	0.385092	
Nm1_0E0404_536s_1	-0.6	-0.3	1	-0.82	-0.49	1.03	-1.25	-1.08	-1.14	-0.77	-1.25	-1.31	0.27	0.35	-0.96	0.39	-0.0735	-0.4375	0.6925	0.099319	0.929785	0.148307	1	0.99961	0.562298	
Nm1_0E0404_51702s_1	-0.89	-0.17	0.31	0.21	0.34	2.26	0.67	2.6	1.52	-0.5	2.21	3.67	2.89	2.62	3.89	2.05	0.126	0.15802	0.830357	0.977954	1	0.99961	0.612455			
Nm1_0E0404_51702s_1	-0.21	0.05	0.91	-0.25	-0.72	0.03	-0.11	-0.12	-0.59	0.14	0.31	1.12	0.8	0.13	1.01	0.79	-0.355	0.12	0.5575	0.156718	0.320002	0.784642	1	0.99961	0.602749	
Nm1_0E0404_5407s_1	-0.15	-0.26	-0.77	-1.51	-1.84	-2.27	-0.85	-1.64	-2.33	-1.34	-2.27	-2.01	-2.89	-1.95	-2.54	-1.81	0.115	-0.2225	-0.5325	0.384561	0.876001	0.708308	1	0.99961	0.75338	
Nm1_0E0404_51721s_1	-0.43	1.44	-0.76	0.43	0.22	2.24	0.4	0.62	-0.38	-0.84	-0.23	-0.38	1.16	1.97	0.58	0.57	0.7	-0.5125	0.65	0.277908	0.26042	0.209166	1	0.99961	0.700874	
Nm1_0E0404_5368s_1	-0.65	0.59	1.79	0.46	-0.01	0.13	0.13	0.46	0.17	-0.08	1.22	1.53	0.12	0.56	0.88	1.21	0.445	0.1375	0.145	0.707052	0.381022	0.811721	1	0.99961	0.921446	
Nm1_0E0404_5456s_1	-1.51	-1.59	0.09	-1.21	-1.18	-1.55	-0.81	-0.25	-0.66	-0.92	-0.58	-0.38	-0.67	-0.32	0.17	0.1075	0.42	0.77	0.010019	0.815147	0.322209	1	0.99961	0.562917		
Nm1_0E0404_585s_1	-1.27	-0.62	-0.74	0.7	-0.65	1.37	-0.83	-0.69	-0.14	-0.67	0.34	-0.36	0.89	0.01	-0.53	-0.48	-0.0525	0.455	0.805	0.062089	0.762081	0.129257	1	0.99961	0.505935	
Nm1_0E0404_5144s_1	0.51	1.88	2.82	1.38	1.07	2.06	1.63	1.5	1.48	1.48	1.78	1.26	0.45	0.75	1.88	0.56	-0.0825	-0.1475	-0.9625	0.141325	0.867043	0.756969	1	0.99961	0.612455	
Nm1_0E0404_538s_1	-0.71	-1.85	3.12	2	1.24	0.03	2.55	0.92	1.17	1.1	1.68	1.99	0.87	-1.02	0.17	1.33	-0.395	-0.08	-1.2275	0.16229	0.641128	0.913894	1	0.99961	0.613442	
Nm1_0E0404_561s_1	0.77	1.85	3.12	2	1.24	0.03	2.55	0.92	1.17	1.1	1.68	1.99	0.87	-1.02	0.17	1.33	-0.395	-0.08	-1.2275	0.16229	0.641128	0.913894	1	0.99961	0.613442	
Nm1_0E0404_5176s_1	0.32	-1.72	3.72	1.38	1.27	1.38	1.66	1.13	0.02	0.57	2.75	1.32	1.78	2.15	0.69	1.16	0.165	0.88065	0.1475	0.88065	0.1475	0.88065	1	0.99961	0.613442	
Nm1_0E0404_5176s_1	-5.53	-5.58	-4.86	-5.59	-0.68	-0.65	-2.88	-4.35	-0.37	-2.33	-0.9	-4.68	2	-0.05	-5.19	-4.04	1.755	2.32	0.199848	0.281026	0.302479	1	0.99961	0.657084		
Nm1_0E0404_5176s_1	0.59	1.73	1.58	0.62	0.9	2.03	1.47	0.63	1.77	1.68	0.97	1.82	1.44	0.75	0.99	1.1275	0.425	0.1	0.76428	0.762081	0.534484	1	0.99961	0.91377		
Nm1_0E0404_5176s_1	0.18	0.02	0.05	-0.02	0.15	0.36	-0.01	-0.17	0.52	-0.01	-0.17	0.52	-0.01	-0.17	0.52	-0.01	-0.17	0.52	-0.01	-0.17	0.52	-0.01	1	0.99961	0.91377	
Nm1_0E0404_5176s_1	-1.79	-1.33	-0.63	-1.33	-0.67	1.33	-0.98	0.61	-0.86	-1.39	-0.37	-1.53	-0.27	-0.56	-0.22	-0.65	-0.1725	-0.5175	0.845	0.02744	0.760219	0.36038	1	0.99961	0.423809	
Nm1_0E0404_5176s_1	0.06	0.44	1.12	0.88	-0.39	0.51	0.94	0.8	0.97	0.8	0.88	0.65	0.82	-0.52	1.01	1	-0.16	0.45	-0.0225	0.59796	0.682246	0.214173	1	0.99961	0.986055	
Nm1_0E0404_5176s_1	1.94	1.98	0.8	2.52	0.91	3.34	1.38	2.09	1.83	1.66	1.42	2.21	1.1	2.53	1.4	2.63	0.12	0.03	0.05	0.83584	0.686601	0.94122	1	0.99961	0.940308	
Nm1_0E0404_5176s_1	0.12	1.17	1.55	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	1	0.99961	0.989883	
Nm1_0E0404_5176s_1	-0.27	-0.52	0.37	0.23	-1.45	-0.3	-1.53	-1.18	-0.73	-0.68	-2.05	0.9	-0.07	-0.52	1.57	0.62	-0.4775	-0.5925	0.4475	0.365659	0.435988	0.324101	1	0.99961	0.747996	
Nm1_0E0404_5176s_1	0.41	-0.17	0.17	0.07	-0.66	0.05	0	0.29	-0.27	-0.22	0	0.36	-0.13	-0.07	-0.35	-0.13	-0.375	-0.3275	-0.775	0.059614	0.268024	0.30677	1	0.99961	0.50521	
Nm1_0E0404_5176s_1	-1.06	-1.46	-0.09	-0.62	-2.34	-2.66	-0.41	-1.88	-1.91	-0.61	-1.36	-2.28	-1.83	-1.99	-2.78	-1.88	-0.9225	-0.615	-1.185	0.015231	0.115973	0.873025	1	0.99961	0.388822	
Nm1_0E0404_5176s_1	-1.09	-1.49	-1.49	-1.41	-1.83	-1.93	-1.19	-1.09	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	1	0.99961	0.388822	
Nm1_0E0404_5176s_1	0.21	0.8	-1.55	1.47	0.25	-0.1	0.81	-0.08	0.06	-0.3	-0.79	-1.43	0.02	-0.16	1.11	0.28	-0.375	-0.45	0.56	0.384148	0.535155	0.499447	1	0.99961	0.754721	
Nm1_0E0404_5176s_1	3.33	-0.13	0.19	2	0.98	0.96	2.81	0.39	0.26	0.74	0.59	-0.57	-1.59	-0.75	-0.07	-0.82	-0.0625	-1.0925	-2.155	0.017408	0.424607	0.73165	1	0.99961	0.391024	
Nm1_0E0404_5176s_1	0.18	0.28	0.51	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	1	0.99961	0.989883	
Nm1_0E0404_5176s_1	-0.34	-0.32	-0.67	-0.88	-0.07	-0.41	-0.66	-0.45	-0.85	-0.36	-1.4	0.44	1.84	-0.22	0.22	0.18	-0.18	-0.18	-0.18	0.7225	0.159085	0.68462	0.666037	1	0.99961	0.640674
Nm1_0E0404_5176s_1	1.92	-0.05	0.46	1	-0.5	0.35	0.14	0.15	-0.92	0.86	0.2	-0.73	-1.64	-1.15	-0.37	-0.8	-0.1725	-0.73	-1.5725	0.012389	0.788179	0.263882	1	0.99961	0.931668	
Nm1_0E0404_5176s_1	0.13	-0.01	0.06	0.16	1.01	0.52	0.22	0.9	0.55	0.13	-0.2	-0.16	0.73	1.14	0.59	0.55	0.88	0.1225	0.43	0.328989	0.20					

PaK7_08C015_S104a_2	-0.6	-0.52	-0.13	-0.46	-1.07	-0.69	-0.43	-0.75	-0.94	-1.15	-0.75	-1.31	-0.7	-0.41	-0.69	-0.47	-0.3075	-0.61	-0.165	0.556705	0.263279	0.044938	1	0.99961	0.838305		
PaK7_08C015_S277a_1	0.68	-1.09	-1.32	-0.77	-1.34	-1	-0.47	-1.28	-1.98	0.25	-1.05	-1.68	-1.17	-1.18	-1.7	-1.62	-0.2475	0.34	-1.425	0.087081	0.63497	0.031798	1	0.99961	0.551514		
PaK7_08C015_S288a_1	0.1	0.68	-0.02	-0.1	0.1	0.09	-0.1	0.09	-0.1	0.09	-0.1	0.09	-0.1	0.09	-0.1	0.09	-0.1	0.09	0.6825	0.113961	0.39945	0.04201	1	0.99961	0.890031		
PaK7_08C015_S290a_1	-0.1	-0.23	0.21	0.76	0.16	-0.45	-0.12	-0.46	-0.13	-0.91	-0.91	-0.77	-0.53	-0.54	1.07	0.61	-0.1475	0.075	-0.0075	0.696491	0.65946	0.785227	1	0.99961	0.959165		
PaK7_08C015_S341a_1	-0.34	-0.53	-1.03	-1.4	-0.48	-0.26	-0.93	-0.48	-0.25	-0.6	-0.36	-1.72	0.35	-0.78	-0.26	-1.13	-0.2075	0.0925	0.37	0.348471	0.530799	0.82511	1	0.99961	0.753538		
PaK7_08C015_S1707_1	-0.13	-0.23	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.5725	0.21855	0.72719	0.076315	1	0.99961	0.903808		
PaK7_08C015_S1707_2	-0.6	-0.52	-0.13	-0.46	-1.07	-0.69	-0.43	-0.75	-0.94	-1.15	-0.75	-1.31	-0.8	-0.41	-0.69	-0.47	-0.3075	-0.61	-0.165	0.556705	0.263279	0.044938	1	0.99961	0.838305		
Pakap_77A2A_S1043a_1	0.24	-1.12	-0.89	0.24	0.95	-0.41	0.4	0.7	-0.49	-0.99	0.69	-0.17	-1.44	-0.76	0.65	0.43	0.7925	0.1425	0.1025	0.856489	0.104177	0.768944	1	0.99961	0.951817		
Palak_77A2A_S239a_1	-0.41	-0.98	-0.93	-1.31	-1.36	-0.97	-1.11	-0.94	-1.23	-0.88	-0.99	-1.23	-0.15	-0.46	-1.17	-0.85	-0.2475	0.325	0.225	0.531511	0.531511	0.840716	1	0.99961	0.827798		
Palak_P0015_S347a_1	0.1	0.81	-1.2	1.2	1.24	1.16	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	0.8125	0.181577	0.348958	0.317527	1	0.99961	0.644791		
Palak_Q02094_S116a_1	2.17	1.21	0	-0.67	0.65	2.02	-0.61	-0.58	0.7	2.19	0.09	0.1	-0.31	0.04	-0.08	-0.28	-0.3075	-0.0925	-0.835	0.174648	0.693212	0.896667	1	0.99961	0.642116		
Palak_Q02094_S116a_2	-0.13	0.36	1.42	1.26	-0.12	0.24	0.9	1.72	0.05	-0.13	0.07	1.81	0.44	0.13	1.36	1.88	-0.0425	-0.0725	0.225	0.665555	0.939376	0.939643	1	0.99961	0.802624		
Palak_Q02094_S116a_3	-0.12	0.14	0.8	0.7	1.76	1.01	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5725	0.144044	0.551841	0.531359	1	0.99961	0.613202		
Palak_Q02094_S112a_1	-0.14	0.45	-0.39	-0.11	-0.29	0.01	-0.68	-0.95	0.28	-0.39	-0.15	1.03	0.2	0.95	-0.73	-0.18	0.135	0.185	0.1875	0.576665	0.648821	0.723952	1	0.99961	0.950658		
Palak_Q02094_S112a_2	-0.52	-0.18	-0.64	-2.19	-0.5	-0.02	-1.61	-2.08	-0.32	-0.37	-1.56	-1.7	0.69	-0.01	-2.03	-2.08	-0.01	0.055	0.185	0.811550	0.987558	0.926301	1	0.99961	0.935649		
Palak_Q02094_S112a_3	0.22	1.84	0.88	0.72	0.87	1.76	0.63	1.41	1.09	1	1.27	1.24	1.63	1.74	1.22	1.36	0.2525	0.235	0.5725	0.144044	0.551841	0.531359	1	0.99961	0.613202		
Palak_Q02094_S124a_1	-1.09	-1.12	-2.22	-1.08	-1.55	-1.48	-1.89	-1.34	-0.82	-1.16	-2.01	-2.2	0.68	-1.1	0.61	0.44	0.63	-0.06	0.125	0.2	0.529294	0.880295	0.840407	1	0.99961	0.821786	
Palak_Q02094_S124a_2	-1.04	-0.76	-1.33	-1.77	-1.22	-0.97	-1.28	-1.56	-1.17	-1.23	-1.29	-1.23	0.06	-0.88	-1.58	-1.59	-0.2325	-0.0225	0.225	0.616007	0.915325	0.939568	1	0.99961	0.861203		
Palak_Q02094_S124a_3	0.22	1.84	0.88	0.72	0.87	1.76	0.63	1.41	1.09	1	1.27	1.24	1.63	1.74	1.22	1.36	0.2525	0.235	0.5725	0.144044	0.551841	0.531359	1	0.99961	0.613202		
Palak_Q02094_S157a_1	-0.74	-0.51	-0.22	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	0.612	0.080026	0.667776	0.535658	1	0.99961	0.519783		
Palak_Q02094_S157a_2	-1.15	-0.76	-1.44	-0.53	-0.48	-0.83	-0.84	-0.72	-0.98	-0.79	-1.19	-1.05	-0.72	-1.04	-1.03	-2.525	-0.22	0.01	0.974306	0.393986	0.943602	0.99961	1	0.99961	0.920048		
Palak_Q02094_S161a_1	1.01	-0.66	-1.49	0.77	1.43	1.03	0.84	0.45	1.11	-0.07	0.02	-0.68	-0.92	0.48	0.08	-1.37	0.1	0.1875	-0.4	0.606922	0.096794	0.767447	1	0.99961	0.858527		
Palak_Q02094_S161a_2	-3.2	-0.58	-1.37	-0.63	-0.75	-0.85	-1.31	-0.75	-0.96	-0.83	-0.7	-0.38	-2.22	-0.64	-1.3	0.53	0.625	0.31	0.640410	0.364044	0.279981	0.99961	1	0.99961	0.870995		
Palak_Q02094_S200a_1	0.1	0.77	1.31	1.79	0.53	0.73	0.68	0.96	0.34	0.26	1.08	1	0.53	0.75	0.85	0.69	-0.3425	-0.3975	-0.7375	0.13825	0.337652	0.321582	1	0.99961	0.611214		
Palak_Q02094_S301a_1	-0.47	-1.01	-1.56	-0.79	-0.56	-0.8	-0.66	-0.45	-0.126	-0.89	-0.86	-0.46	-0.48	-0.92	-0.52	0.34	0.8625	0.285458	0.276771	0.80388	0.99961	1	0.99961	0.705851			
Palak_Q02094_S321a_1	-0.34	-0.47	-0.28	-0.64	-0.64	-0.87	-0.7	-1.1	-0.99	-0.86	-1.3	0.06	-1.17	0.06	-1.17	0.06	-1.17	0.06	0.2675	0.409323	0.713472	0.55245	1	0.99961	0.769696		
Palak_Q02094_S141a_1	-0.53	-0.38	-0.32	-0.4	-0.53	-0.74	-0.68	-0.58	-0.9	-1.3	-0.72	-0.58	-0.08	-0.44	-0.56	0.01	-0.225	-0.4675	-0.14	0.163833	0.34444	0.109378	1	0.99961	0.861885		
Palak_Q02094_S141a_2	-0.45	-0.11	-0.11	-0.11	-0.48	-0.07	-0.59	-0.4	-0.67	-0.95	-0.13	-0.11	-0.46	-0.19	0.39	-0.19	-0.225	0.1025	0.734228	0.461709	0.480406	0.99961	1	0.99961	0.907462		
Palak_Q02094_S141a_3	-1.4	-0.56	-0.56	-1.05	-0.9	-0.93	-0.79	-0.86	-0.88	-0.82	-1.21	-0.47	0.4	-0.67	-0.93	0.01	0.0275	0.0475	0.515	0.202594	0.582824	0.808813	1	0.99961	0.615024		
Palak_Q02094_S145a_2	-0.1	-0.11	-0.11	-0.11	-0.48	-0.07	-0.59	-0.4	-0.67	-0.95	-0.13	-0.11	-0.46	-0.19	0.39	-0.19	-0.225	0.1025	0.734228	0.461709	0.480406	0.99961	1	0.99961	0.907462		
Palak_Q02094_S151a_2	-0.98	-0.3	-1.37	-0.44	-0.5	-0.91	-0.94	-0.7	-1.1	-0.89	-1.21	-0.81	-1.17	-0.7	-0.88	-1.15	0.06	-0.0525	0.866678	0.929284	0.758313	0.99961	1	0.99961	0.956432		
Palak_Q02094_S1291a_1	0.13	0.2	0.63	0.56	1.65	0.08	0.45	0.74	1.51	-0.55	0.59	-0.33	1.39	0.17	-0.48	0.625	0.24	0.0875	0.85778	0.170127	0.166449	0.99961	1	0.99961	0.952511		
Palak_Q02094_S131a_1	-1.09	-1.12	-2.22	-1.08	-1.55	-1.48	-1.87	-1.37	-1.01	-0.86	-1.16	-2.01	-2.2	0.68	-1.1	0.61	0.44	0.63	-0.06	0.125	0.2	0.529294	0.880295	0.840407	1	0.99961	0.821786
Palak_Q02094_S131a_2	0.88	1.74	-0.92	0.69	1.64	1.21	0.25	1.28	1.28	1.13	-0.47	0.58	1.08	0.39	-1.76	1.15	-0.7475	-0.2175	-0.4225	0.650699	0.246877	0.713874	1	0.99961	0.808252		
Palak_Q02094_S131a_3	0.51	1.66	2.05	1.26	0.59	1.06	0.89	1.19	0.61	1.08	1.05	1.81	1.03	0.41	1.88	2.08	-0.4375	-0.3125	0.205	0.723466	0.256039	0.580151	1	0.99961	0.905923		
Palak_Q02094_S277a_1	-0.35	0.64	0.05	-1.4	-0.22	-0.83	-0.97	-0.15	-0.21	-0.2	0.08	-1.22	0.98	-0.17	0.03	0.65	-0.2725	-0.1225	0.6375	0.211488	0.550343	0.803385	1	0.99961	0.665474		
Palak_Q02094_S277a_2	0.77	3.2	2.52	0.32	3.13	2.71	2.31	1.56	1.89	0.25	2.71	1.91	1.82	0.28	0.55	0.76	0.1525	0.87329	0.33959	0.38417	0.99961	1	0.99961	0.959783			
Palak_Q02094_S277a_3	-1.25	-0.73	0.12	-0.47	-0.27	-0.19	-0.14	0.59	0.17	0.13	0.05	0.93	0.64	0.05	0.56	0.96	0.5	0.063433	0.431669	0.515164	0.99961	1	0.99961	0.951298			
Palak_Q02094_S2601a_1	-1.67	-1.64	-0.74	-1.63	-1.58	-1.41	-0.31	-1.69	-0.31	-1.98	-1.09	-0.95	-0.28	-2.6	-1.01	-2.19	0.1725	0.0375	-0.1	0.853493	0.617481	0.426279	1	0.99961	0.950701		
Palak_Q02094_S2601a_2	-1.18	-1.12	-1.56	-1.77	-1.72	-1.74	-1.12	-1.67	-1.27	-1.67	-1.56	-1.14	-0.92	-1.62	-1.43	-0.92	-0.3425	-0.1125	0.8075	0.360328	0.452591	0.832467	1	0.99961	0.741182		
Palak_Q02094_S2601a_3	0.7	1.08	1.22	0.78	1.22	1.08	1.71	1.28	1.71	1.28	1.71	1.28	1.71	1.28	1.71	1.28	1.71	1.28	1.71	1.28	1.71	1.28	1	0.99961	0.741182		
Palak_Q02094_S171a_1	2.38	-0.18	-0.66	1.07	0.42	1.41	1.89	0.55	0.91	1.8	0.48	-0.96	-2.13	0.13	0.63	-0.82	0.415	-0.095	-1.2	0.154587	0.459977	0.903566	1	0.99961	0.621577		
Palak_Q02094_S171a_2	0.08	0.47	0.43	0.87	0.9	0.97	1.21	1.02	0.66	0.77	1.26	0.01	-1.02	0.67	0.53	1.24	0.5625	0.1215	0.07	0.823788	0.050592	0.542682	1	0.99961	0.940834		
Palak_Q02094_S171a_3	0.08	0.47	0.43	0.87	0.9	0.97	1.21	1.02	0.66	0.77	1.26	0.01	-1.02	0.67	0.53	1.24	0.5625	0.1215	0.07	0.823788	0.050592	0.542682	1	0.99961	0.940834		
Palak_Q02094_S171a_4	0.08	0.47	0.43	0.87	0.9	0.97	1.21	1.02	0.66	0.77	1.26	0.01	-1.02	0.67	0.53	1.24	0.5625	0.1215	0.07	0.823788	0.050592	0.542682	1	0.99961	0.940834		
Palak_Q02094_S171a_5	1.69	1.57	0.63	1.39	1.26	1.63	1.17	1.35	1.43	1.51	1.23	0.91	0.88	1.66	0.63	1.39	0.325	-0.05	-0.18	0.625159	0.967862	0.785652	1	0.99961	0.868271		
Palak_Q02094_S171a_6	1.45	1.71	0.5	0.94	1.23	2.1	1.16	0.86	1.49	1.57	1.19																

Pcm3_QB9V5_S287s_1	1.03	-0.83	-1.45	-0.31	-0.87	-1.23	-0.39	-0.59	-0.28	-0.24	-0.96	-0.4	-1.64	-1.54	-1.77	-1.85	-0.38	-0.08	-1.31	0.025561	0.47001	0.877613	1	0.99961	0.422114	
Pcm3_QB9V5_S297s_1	-0.39	-0.55	0.94	-0.93	-1.5	-0.77	0.9	-0.53	-0.08	0.4	-0.17	-0.57	0.19	0.28	-0.09	-0.52	-0.425	0.0775	0.1475	0.74006	0.116994	0.86134	1	0.99961	0.908064	
Pcm3_QB9V5_S36s_1	-0.69	-0.4	-1.46	-0.6	-1.46	-0.6	-1.46	-0.6	-1.46	-0.6	-1.46	-0.6	-1.46	-0.6	-1.46	-0.6	-1.46	-0.6	0.0425	0.02754	0.203706	0.27946	1	0.99961	0.32893	
Pcm3_QB9V5_S199s_1	-0.87	-0.58	0.04	-0.11	0.05	-0.67	-0.79	0.14	-0.39	-0.51	-0.39	0.12	0.27	-0.1	-0.14	-0.06	0.065	0.09	0.555	0.129146	0.851951	0.77334	1	0.99961	0.599711	
Pcm3_QB9V5_S730s_1	-1.47	-0.86	-1.65	-0.23	-0.28	-1.59	-0.29	-1.22	-0.51	-1.74	-0.76	0.56	1.17	-1.66	-2.26	-2	0.225	0.9575	0.1825	0.822086	0.73867	0.902124	1	0.99961	0.938055	
Pcm3_QB9V5_S797s_1	-0.12	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.2625	0.556069	0.35161	0.819025	1	0.99961	0.919025	
Pcp41_QB9W61_S51s_1	-0.29	-1.45	-0.3	-1.52	-0.29	-1.37	0.02	0.25	0.63	0.77	-0.05	0.53	-1.86	-0.97	0.88	-0.19	-0.235	0.5825	-0.9225	0.266779	0.712349	0.331712	1	0.99961	0.695664	
Pck2_P21661_S525s_2	-0.81	-0.17	-0.83	-0.49	-1.48	-0.68	-1.88	1.07	-1.2	-0.71	-0.58	0.3	-1.14	-0.72	2.03	0.12	-0.1675	0.1225	0.6475	0.329439	0.782552	0.684709	1	0.99961	0.726484	
Pck2_P44586_S319s_1	-0.81	-0.17	-0.83	-0.49	-1.48	-0.68	-1.88	1.07	-1.2	-0.71	-0.58	0.3	-1.14	-0.72	2.03	0.12	-0.1675	-0.1225	0.6475	0.329439	0.782552	0.684709	1	0.99961	0.726484	
Pck2_P44586_S331s_1	2.86	1.07	2.55	1.14	0.67	0.65	0.67	0.65	0.67	0.65	0.67	0.65	0.67	0.65	0.67	0.65	0.67	0.65	1.8175	0.031341	0.141131	0.2523	1	0.99961	0.383441	
Pck2_P44586_S343s_1	1.01	1.7	1.56	1.39	1.34	0.89	0.99	1.27	1.85	1.58	1.7	1.42	2.05	1.57	1.91	-0.2925	0.2675	0.3225	0.306783	0.578943	0.935616	1	0.99961	0.717607		
Pck2_P44586_S349s_2	0.72	1.17	1.2	1.14	1.07	1.47	1.12	1.27	1.15	1.27	1.15	1.27	1.15	1.27	1.15	1.27	1.15	1.27	0.48	0.280261	0.529977	0.41	1	0.99961	0.665449	
Pck2_P44586_S359s_1	0.92	0.79	1.26	-0.14	-0.31	0.61	0.24	-0.22	0.91	1.96	-0.07	0	0.37	0.17	0.19	0.42	-0.6275	-0.0075	-0.42	0.256895	0.124021	0.988616	1	0.99961	0.691567	
Pck2_P44586_S389s_2	1.62	0.55	0.95	1.5	0.61	0.61	1.84	0.72	0.85	1.9	0.7	0.49	0.08	-0.35	0.1	0.24	-0.21	-0.1775	0.006	0.598158	0.678796	1	0.99961	0.351545		
Pck2_P44586_S393s_1	0.03	-0.15	0.71	-0.16	-0.72	-0.84	0.3	-0.25	0.04	0.74	-0.26	0.58	0.26	-0.43	0.13	-0.26	-0.635	0.1675	-0.4325	0.337472	0.036304	0.834042	1	0.99961	0.730499	
Pck2_P44586_S399s_2	1.62	0.55	0.95	1.5	0.61	0.61	1.84	0.72	0.85	1.9	0.7	0.49	0.08	-0.35	0.1	0.24	-0.21	-0.1775	0.006	0.598158	0.678796	1	0.99961	0.351545		
Pck2_P44586_S316s_1	1.13	0.66	2.48	1.02	0.01	1.23	0.69	0.49	1.01	2.8	0.5	1.06	1.17	0.83	1.36	0.08	-0.715	0.02	-0.2625	0.54	0.139406	0.97277	1	0.99961	0.832881	
Pck2_P44586_S317s_1	0.47	0.4	2.59	1.72	2.59	2.05	1.38	1.55	1.03	0.94	1.35	-1.95	-2.32	1.26	-1.22	-0.88	1.8925	-0.1275	-0.79	0.441544	0.04385	0.902562	1	0.99961	0.781983	
Pck2_P44586_S319s_1	-0.36	-0.01	-0.24	-0.18	-0.39	-0.54	-0.25	-0.15	-0.19	-0.48	-0.25	-0.15	-0.19	-0.48	-0.25	-0.15	-0.19	-0.48	0.3925	0.0475	0.273622	0.305032	0.90405	1	0.99961	0.90405
Pck2_P44586_S48s_1	1.65	0.35	1.8	1	0.94	1.27	1.3	1.07	0.2	1.9	0.52	0.13	1.41	-0.4	0.5	-0.21	-0.055	-0.5125	-0.875	0.106991	0.880051	0.321033	1	0.99961	0.568797	
Pck2_P44586_S48s_1	-4.4	-5.6	-1	-2.98	-3.52	-3.9	-2.61	-1.57	-0.71	-3.57	-1.65	-1.3	-4.58	-1.2	-1.22	-1.22	0.595	-0.0625	0.1975	0.881693	0.540678	0.966889	1	0.99961	0.913605	
Pck2_P44586_S48s_1	0.3	0.41	-1.78	2.58	1.2	0.79	1.3	2.62	0.41	-0.73	-0.27	-1.13	-0.22	1.53	0.62	0.63	1	-0.165	0.375	0.75276	0.28732	0.882433	1	0.99961	0.913605	
Pck2_P44586_S48s_1	2.13	2.58	2.16	0.46	1.38	2.31	0.77	1.08	1.73	0.47	1.7	1.79	3.61	2.41	2.48	2.31	0.1775	0.205	1.485	0.046608	0.80138	0.75153	1	0.99961	0.484453	
Pck2_P44586_S48s_1	0.65	0.64	0.56	1.73	0.88	1.29	1.06	1.75	1.75	0.64	1.55	1.43	-0.32	0.67	1.08	1.23	0.35	0.4475	-0.23	0.609242	0.343304	0.265843	1	0.99961	0.858851	
Pck2_P44586_S48s_1	-1.29	0.2	-0.17	0.01	-0.43	0.23	-0.42	0.1	-0.81	-0.23	0.07	0.28	-0.11	-0.45	-0.1	-0.3	0.1825	0.105	0.0725	0.849004	0.638738	0.79881	1	0.99961	0.949525	
Pck2_P44586_S48s_1	-0.18	-0.4	0.52	0.59	1.09	1.15	1.4	1.51	0.59	1.23	0.15	0.59	1.23	0.15	0.59	1.23	0.15	0.59	0.1175	0.709338	0.734751	0.459843	1	0.99961	0.912093	
Pck2_P44586_S48s_1	-2.29	-0.42	-0.67	-2.86	-2.79	-2.38	-2.39	-2.87	-1.49	-3.06	-2.46	-3.43	-3.07	-3.33	-3.45	-2.78	-0.6275	0.175	-0.1975	0.783695	0.252327	0.768546	1	0.99961	0.923268	
Pck2_P44586_S48s_1	-1.39	-1.01	-1.61	-0.56	-2.07	-1.34	-1.1	-2.22	-1.06	-2.08	-1.19	-2.22	-1.01	-1.51	-1.11	-1.28	-0.54	-0.045	-0.085	0.796595	0.171112	0.915794	1	0.99961	0.929592	
Pck2_P44586_S48s_1	0.14	0.28	1.3	0.92	0.73	1.38	1.29	0.92	1.27	0.25	1.4	0.88	0.06	0.85	0.5	0.66	0.24	0.1	0.3525	0.398973	0.535323	0.765556	1	0.99961	0.761726	
Pck2_P44586_S48s_1	0.12	0.11	0.12	0.11	0.12	0.11	0.12	0.11	0.12	0.11	0.12	0.11	0.12	0.11	0.12	0.11	0.12	0.11	0.045	0.184358	0.16937	0.816478	1	0.99961	0.816478	
Pck2_P44586_S48s_1	0.07	-0.69	-0.25	0.32	0.22	-1.32	0.06	0.24	0.31	0.5	-0.82	0.51	0.54	0.44	0.91	0.37	-0.0625	0.2625	0.7025	0.053032	0.88864	0.515176	1	0.99961	0.489777	
Pck2_P44586_S48s_1	0.07	-0.69	-0.25	0.32	0.22	-1.32	0.06	0.24	0.31	0.5	-0.82	0.51	0.54	0.44	0.91	0.37	-0.0625	0.2625	0.7025	0.053032	0.88864	0.515176	1	0.99961	0.489777	
Pck2_P44586_S48s_1	0.12	0.11	0.12	0.11	0.12	0.11	0.12	0.11	0.12	0.11	0.12	0.11	0.12	0.11	0.12	0.11	0.12	0.11	0.045	0.184358	0.16937	0.816478	1	0.99961	0.816478	
Pck2_P44586_S48s_1	1.37	-2.21	-2.84	0.15	0.75	0.64	1.44	0.34	-0.46	-0.72	-1.33	-0.57	-2.37	-1.3	-0.16	-0.78	-1.65	0.3425	-0.77	0.441316	0.086166	0.709679	1	0.99961	0.781983	
Pck2_P44586_S48s_1	0.43	1.03	-3.15	-0.35	0.27	0.46	-2.33	-2.87	0.12	0.72	-1.33	-0.72	-0.95	1.2	-3.24	-0.78	-0.18	-0.22	0.335	0.811523	0.885067	0.868958	1	0.99961	0.936499	
Pck2_P44586_S48s_1	1.37	1.57	0.38	1.71	1.91	0.71	1.18	1.11	1.25	0.34	1.49	0.8	1.06	0.87	0.79	1.95	-0.03	-0.2875	0.105	0.161931	0.936082	0.48275	1	0.99961	0.631442	
Pck2_P44586_S48s_1	0.43	1.03	-3.15	-0.35	0.27	0.46	-2.33	-2.87	0.12	0.72	-1.33	-0.72	-0.95	1.2	-3.24	-0.78	-0.18	-0.22	0.335	0.811523	0.885067	0.868958	1	0.99961	0.936499	
Pck2_P44586_S48s_1	1.14	0.67	-1.77	0.83	1.09	1.54	0.77	2.03	1.27	1.3	1.14	1.41	-1.48	1	1.8	0.77	1.14	1.0625	0.33	0.697125	0.102904	0.108065	1	0.99961	0.89731	
Pck2_P44586_S48s_1	-1.86	-0.35	-1.83	-1.44	-1.55	-2.89	-1.18	-3.15	-1.8	-2.36	-1.86	-1.58	-2.43	-1.69	-1.84	-0.0225	0.35	0.285	0.563216	0.79703	0.475236	1	0.99961	0.841038		
Pck2_P44586_S48s_1	2.62	0.2	0.13	2.22	0.85	0.61	2.38	0.01	0.41	1.31	0.74	-0.42	-2.05	-0.88	-0.32	-1.12	-0.23	-0.8625	-2.285	0.028778	0.764837	0.350344	1	0.99961	0.365244	
Pck2_P44586_S48s_1	-0.8	-0.3	-0.8	-0.3	-0.8	-0.3	-0.8	-0.3	-0.8	-0.3	-0.8	-0.3	-0.8	-0.3	-0.8	-0.3	-0.8	-0.3	0.045	0.184358	0.16937	0.816478	1	0.99961	0.816478	
Pck2_P44586_S48s_1	-2.91	-0.18	-1.18	-0.05	0.18	-1.5	-0.39	-0.35	-0.89	-1.96	-1.51	-1.42	-1.17	-1.08	-0.42	-0.21	0.475	-0.45	-0.27	0.686121	0.501591	0.497754	1	0.99961	0.806092	
Pck2_P44586_S48s_1	-1.61	-0.15	-0.29	-0.54	0.22	0.92	-0.23	-0.29	-1.19	-1.88	0.31	0.63	0.74	-0.57	0.04	-0.08	0.1975	0.22	0.535	0.274421	0.636683	0.225055	1	0.99961	0.702087	
Pck2_P44586_S48s_1	2.64	0.56	0.4	0.2	0.18	0.18	0.56	0.4	0.2	0.18	0.56	0.4	0.2	0.18	0.56	0.4	0.2	0.18	0.56	0.4	0.2	0.18	0.56	1	0.99961	0.730456
Pck2_P44586_S48s_1	0.2	0.95	0.57	-0.05	1.92	1.39	-0.34	0.05	1.37	1.42	0.39	0.86	1.08	1.26	0.28	0.41	0.3375	0.5925	0.34	0.368084	0.622267	0.150405	1	0.99961	0.745968	
Pck2_P44586_S48s_1	1.3	0.2	0.51	1	-0.57	0.45	1.11	-0.3	-0.06	1.49	0.39	-0.06	-0.46	-0.92	0.42	-0.32	-0.48	-0.1225	-0.9725	0.046383	0.326621	0.655049	1	0.99961	0.479949	
Pck2_P44586_S48s_1	-1.37	1.06	-0.48	0.15	0.21	0.06	-0.33	0.26	0.46	0.17	0.05	0.27	-0.02	-0.08	-0.04	0.18	0.21	0.9375	0.21	0.695926	0.407604	0.29534	1	0.99961	0.896612	
Pck2_P445																										

Phospho2_Q209M5_T203L_1	0.002	-0.1	3.05	1.84	0.78	1.49	2.33	1.91	0.56	1.52	2.71	0.98	0.73	1.6	1.26	2.81	0.425	0.24	0.0325	0.97147	0.56345	0.75927	1	0.99961	0.98975		
Phn1_A6H91S_5623L_1	-0.13	0.6	0.13	-0.06	0.22	0.14	-0.28	-0.27	-0.12	-0.07	-0.01	-0.37	0.76	-0.21	-0.23	-0.06	0.0425	0.0375	0.914411	0.83186	0.88225	1	0.99961	0.972095			
Phn1_F7A41L_5471L_1	0.88	-0.11	0.1	-0.1	0.12	1.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.0425	0.98364	0.94273	1	0.99961	0.972095			
Phn1_F7A41L_5271L_1	0.73	0.81	1.31	-0.03	0.04	0.42	0.53	0.02	0.76	1.16	0.51	0.4	1.23	0.64	0.38	0.06	-0.4525	0.0205	-0.1275	0.74871	0.20486	0.994426	1	0.99961	0.911913		
Phyphg_Q87B1G_7116L_1	-0.19	0.73	1.73	0.69	0.64	2.69	0.1	2.19	1.38	0.22	2.23	1.3	2.39	1.8	-0.77	1.8	0.165	-0.6075	0.605	0.917049	0.83162	0.488409	1	0.99961	0.97939		
Phk2L_Q27B6L_547L_1	-0.67	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	0.005	0.84517	0.37648	0.98565	1	0.99961	0.97939		
Phk2L_Q27B6L_547L_2	0.38	0.68	0.93	0.3	0.39	0.37	0.22	0.73	0.46	1.22	0.42	0.43	0.32	0.8	1.04	0.46	-0.145	0.01	0.0825	0.79085	0.95958	0.925419	1	0.99961	0.925419		
Phk2L_Q27B6L_551L_2	0.38	0.68	0.93	0.3	0.39	0.37	0.22	0.73	0.46	1.22	0.42	0.43	0.32	0.8	1.04	0.46	-0.145	0.01	0.0825	0.79085	0.95958	0.925419	1	0.99961	0.925419		
Phk2L_Q27B6L_59L_1	-0.42	1.29	0.52	-0.25	0.88	0.25	-0.08	-0.42	-0.07	-0.11	0.05	0.29	0.78	0.4	0	-0.48	-0.0825	0.32	-0.01	0.86944	0.84453	0.44983	1	0.99961	0.93468		
Phk2L_E9Q31L_51427L_1	-2.64	-0.4	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.065	0.807225	0.84278	0.90673	1	0.99961	0.93468		
Phk2L_E9Q31L_5259L_1	0.45	-1.07	-0.25	-0.5	0.17	1	-0.39	0.12	0.53	0.41	0.14	-0.35	0.15	0.09	0.29	-0.48	0.5675	0.525	0.335	0.17319	0.92131	0.137662	1	0.99961	0.746522		
Phk2L_E9Q31L_5268L_2	-0.76	-0.4	-0.24	-0.3	-0.53	-0.19	-0.26	0.13	-0.98	-0.5	-0.07	-0.23	-0.69	-1.26	0.06	-0.15	0.075	-0.02	-0.085	0.81573	0.81005	0.947457	1	0.99961	0.937576		
Phk2L_E9Q31L_5268L_1	-1.29	-0.86	-1.19	-0.29	-0.7	-0.15	-0.17	-0.15	-0.17	-0.15	-0.17	-0.15	-0.17	-0.15	-0.17	-0.15	-0.17	-0.15	0.42	0.16508	0.59117	0.12821	1	0.99961	0.614835		
Phk2L_E9Q31L_5268L_2	-0.76	-0.4	-0.24	-0.3	-0.53	-0.19	-0.26	0.13	-0.98	-0.5	-0.07	-0.23	-0.69	-1.26	0.06	-0.15	0.075	-0.02	-0.085	0.81573	0.81005	0.947457	1	0.99961	0.937576		
Phk2L_E9Q31L_5523L_1	0.73	0.57	0	0.8	1.06	0.56	0.54	0.77	1.23	-0.11	0.61	0.73	-0.2	0.79	0.32	0.92	0.2075	0.0925	-0.0675	0.851821	0.480074	0.788164	1	0.99961	0.95009		
Plamp_Q8P18L_532L_1	1.52	0.37	1.39	0.54	0.19	0.74	0.95	0.44	0.38	1.27	-0.07	-1.14	-0.24	-0.17	0.73	0.26	-0.475	-0.945	-0.76	0.062074	0.18767	0.908535	1	0.99961	0.95009		
Plm1_Q3U56L_5485L_1	0.25	0.62	1.66	-0.4	-0.66	-0.37	0.1	0.09	0.26	0.13	0.56	1.37	0.24	-0.43	0.79	1.4	-1.0075	-0.925	0.05	0.917176	0.021303	0.515855	1	0.99961	0.917351		
Plk3L_E9Q31L_5282L_1	-0.37	-0.16	-0.54	-1.64	-0.89	-0.24	-0.98	-0.6	-0.76	-0.06	-0.74	-0.45	0.22	-0.17	-0.68	-1.16	7.85E-17	0.175	0.23	0.690208	1	0.99961	0.858851				
Plk3dL_Q002L_5516L_1	-0.66	-0.88	-0.14	-0.21	-0.72	0.17	0.14	-0.03	-0.12	-0.21	0.88	0.61	0.35	-0.03	0.63	0.59	0.2775	0.7625	0.875	0.021104	0.383269	0.055513	1	0.99961	0.405084		
Phyphg_Q252L_518L_1	1.38	0.1	0.18	0.38	1.38	1.12	0.02	-0.28	1.61	0.63	0.98	0.39	0.05	0.48	0.3	0.86	0.1175	0.08	0.1775	0.50480	0.7557	0.79331	1	0.99961	0.81058		
Phyphg_Q252L_518L_2	1.06	-0.95	0.28	0.57	-0.93	-0.37	0.59	0.21	-0.89	1.08	0.03	0.01	-0.86	-1.39	0.25	0.53	-0.365	-0.5975	-0.8725	0.117038	0.477448	0.718303	1	0.99961	0.505087		
Plp42L_Q3U10L_5129L_1	1.51	-0.74	0.97	0.31	-0.68	-0.2	0.32	-0.72	-1.02	-0.04	-0.65	0.44	-1.63	-1.21	-0.65	-1.48	-0.8325	-0.83	-1.795	0.00538	0.12498	0.14915	1	0.99961	0.351308		
Plp42L_E9W16L_5475L_1	-0.4	-1.15	-0.64	-0.49	-0.16	-1.55	-0.17	-0.28	-1.44	-0.8	-1.18	-0.2	-0.24	-0.89	-0.61	-1.06	0.215	0.015	-0.03	0.526275	0.604184	0.976334	1	0.99961	0.97588		
Plp42L_E9W16L_5475L_2	-0.58	-1.23	-0.86	-0.25	-0.02	-1.4	-0.4	-0.73	1	-1.55	-0.81	-0.6	-1.53	-1.31	-0.35	-1.18	0.0925	-0.385	0.1125	0.76571	0.80539	0.327853	1	0.99961	0.912346		
Plp42L_E9W16L_5538L_1	2.68	1.01	1.5	1.58	0.2	1.7	2.29	0.75	0.44	1.94	1.13	0.32	-1.5	0	0.2	0.43	-0.4575	-0.735	-1.91	0.004535	0.405977	0.15682	1	0.99961	0.351308		
Plp42L_E9W16L_5540L_1	1.89	0.11	1.01	1.22	-0.54	0.26	1.56	0.23	-0.43	1.37	0.08	0.16	-1.28	-0.72	0.2	-0.74	-0.68	-0.7625	-1.6925	0.004618	0.217177	0.15234	1	0.99961	0.351308		
Plp42L_E9W16L_5540L_2	0.7	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.275	0.422734	0.66049	0.930837	1	0.99961	0.74874		
Plp42L_E9W16L_5571L_1	1.08	0.07	-2.6	0.03	1.87	0.72	1.69	-0.65	0.4	-1.18	-1.1	-1.79	-1.66	-0.29	-0.31	-0.89	-1.0125	-0.565	-0.875	0.172588	0.23538	0.407304	1	0.99961	0.9008		
Plp42L_E9W16L_5581L_1	0.21	-2.32	0.35	-0.38	-2.85	-0.57	0.69	-1.94	-0.8	0.69	-0.34	-0.9	-0.16	-2.06	-1.17	-1.69	-0.3825	-1.975	-0.485	0.495251	0.705254	0.759477	1	0.99961	0.810677		
Plp42L_E9W16L_5691L_1	0.46	-0.79	-2.04	0.04	0.98	0.2	0.28	0.39	1.04	-0.94	-0.86	-2.05	-0.88	-0.98	-1.75	-0.07	1.005	-0.1	-0.0275	0.96821	0.80931	0.82936	1	0.99961	0.988771		
Plp42L_E9W16L_5741L_1	0.14	0.75	0.41	0.97	0.84	0.05	0.97	1.36	0.51	0.07	0.93	0.34	0.92	0.45	1.13	0.365	0.0925	0.0465	0.167459	0.251158	0.788862	1	0.99961	0.810677			
Plp42L_E9W16L_5741L_2	-0.88	-0.82	-2.12	-0.72	-0.03	-1.38	-1.24	-0.72	-0.26	-0.37	-0.67	-0.35	0.66	0.33	-0.58	-0.78	0.2925	0.7225	1.0425	0.047465	0.506504	0.074893	1	0.99961	0.481835		
Plp42L_E9W16L_5741L_3	-0.73	-1.25	-0.61	-2.26	-1.64	-1.49	-0.67	-1.18	-1.64	-1.47	-1.6	-0.71	-0.8	-1.53	-1.51	-0.52	0.2175	0.1075	0.3725	0.38741	0.58337	0.788628	1	0.99961	0.76827		
Plp42L_E9W16L_5741L_4	0.29	0.16	-0.8	-0.23	0.19	0.61	0.06	0.36	0.07	0.19	0.02	0.37	0.32	0.18	-0.05	0.225	0.0925	0.0465	0.167459	0.251158	0.788862	1	0.99961	0.76827			
Plp42L_E9W16L_5821L_1	1.78	0.75	-3.78	1.39	1.64	0.21	1.89	0.87	1.03	-0.53	-0.42	-1.6	-1.52	-1.13	-1.32	-1.54	1.1175	0.205	-1.625	0.317477	0.343083	0.65236	1	0.99961	0.720971		
Plp42L_E9W16L_5861L_1	0.74	-0.77	-0.6	-0.44	0.08	0.41	-0.12	-0.97	0.25	0.09	-0.15	-0.44	0.78	0	0.74	-0.37	0.1175	0.025	0.555	0.231179	0.789528	0.66243	1	0.99961	0.681463		
Plp42L_E9W16L_5895L_1	-0.3	0.01	-1.99	-1.37	0.06	0.61	-0.76	-2.21	0.12	0.13	-0.9	-1.05	0.74	0	-0.6	-0.33	0.0325	0.4875	0.865	0.119478	0.59659	0.365679	1	0.99961	0.587062		
Plp42L_E9W16L_5901L_1	0.16	1.16	0.1	0.18	0.1	0.08	0.12	0.62	0.98	0.12	0.62	0.98	0.12	0.62	0.98	0.12	0.62	0.98	0.12	0.62	0.98	0.12	0.62	0.98	1	0.99961	0.587062
Plp42L_E9W16L_5920L_1	1.25	-0.03	-0.88	1.56	1.61	0.57	1.36	0.83	0.11	-0.76	0.82	0.11	-1.24	0.28	0.09	0.43	0.6175	-0.405	-0.585	0.356626	0.287842	0.502032	1	0.99961	0.740467		
Plp42L_E9W16L_5920L_2	1.73	-0.01	-0.49	1.24	0.45	1.11	2.14	1.69	0.48	-0.49	-1.17	-1.55	-2.5	-0.47	-1.71	0.58	-0.485	-0.96	-1.625	0.051527	0.343579	0.155727	1	0.99961	0.488777		
Plp42L_E9W16L_5920L_3	1.17	0.1	-1.33	0.54	1.7	-1.07	0.77	-0.83	-0.83	-0.1	0.09	-0.99	-1.13	0.78	-1.06	-0.5275	-0.575	-1.725	0.246884	0.33665	0.531333	1	0.99961	0.488777			
Plp42L_E9W16L_5920L_4	-0.24	-1.33	-0.44	-0.28	-0.13	-0.28	-0.13	-0.28	-0.13	-0.28	-0.13	-0.28	-0.13	-0.28	-0.13	-0.28	-0.13	-0.28	-0.13	-0.28	0.488777	0.33665	0.531333	1	0.99961	0.488777	
Plp42L_E9W16L_5935L_1	-0.31	0.58	-1.18	-0.51	0.69	0.09	0.1	0.84	0.43	-0.21	0.02	-1.4	0.21	0.55	-1.49	-0.31	0.365	0.095	0.095	0.995958	0.436571	0.897712	1	0.99961	0.953438		
Plp42L_E9W16L_5937L_1	0.62	1.35	-0.41	0.7	0.6	0.13	-0.11	0.37	0.07	-0.01	0.19	0.89	0.93	-0.87	0.33	-0.2275	-0.075	-0.245	0.04176	0.48981	0.810461	1	0.99961	0.871335			
Plp42L_E9W16L_5937L_2	-0.14	-0.67	-0.21	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.810461	0.810461	1	0.99961	0.871335		
Plp42L_E9W16L_5937L_3	0.88	0.17	-0.78	0.8	1.61	0.72	0.73	0.31	0.77	0.9	-0.09	-0.37	-0.62	-0.82	1.18	0.38	0.05	0.54	-0.1275	-0.07	0.894952	0.262602	0.747913	1	0.99961	0.965552	
Plp42L_E9W16L_5947L_1	-0.44	-0.27	-0.53	-0.23	-0.74	-0.2	-0.63	-0.3	-0.51	-0.44	-0.35	-0.18	-0.49	-0.07	-0.4	-0.33											

Prp1, Q373AA, S306s_1	0.17	0.18	-0.33	-0.87	-1.3	0.35	-0.8	-0.05	0.67	0.5	-0.64	-2.04	-0.35	0.52	-0.18	-2.32	-0.2375	-0.165	-0.365	0.544438	0.588729	0.787608	0.999631	0.833274	
Ppr1, Q352, 12	0.33	1.52	1.2	0.5	0.6	0.87	0.4	0.96	0.56	0.58	1.42	1.33	0.83	0.97	1.65	0.98	1.18	0.085	0.22	0.5625	0.148456	0.815151	0.991419	0.999631	0.840272
Ppr1, Q352, 12	0.42	0.84	0.83	0.18	0.53	0.82	0.1	0.34	0.82	0.84	0.16	0.17	1.3	1.51	0.69	0.66	0.08	0.02	0.5625	0.148456	0.815151	0.991419	0.999631	0.840272	
Ppr1, Q352, 12	0.42	0.84	0.83	0.18	0.53	0.82	0.1	0.34	0.82	0.84	0.16	0.17	1.3	1.51	0.69	0.66	0.08	0.02	0.5625	0.148456	0.815151	0.991419	0.999631	0.840272	
Ppr1, Q352, 12	0.42	0.84	0.83	0.18	0.53	0.82	0.1	0.34	0.82	0.84	0.16	0.17	1.3	1.51	0.69	0.66	0.08	0.02	0.5625	0.148456	0.815151	0.991419	0.999631	0.840272	
Ppr1, Q352, 12	0.42	0.84	0.83	0.18	0.53	0.82	0.1	0.34	0.82	0.84	0.16	0.17	1.3	1.51	0.69	0.66	0.08	0.02	0.5625	0.148456	0.815151	0.991419	0.999631	0.840272	
Ppr1, Q352, 12	0.42	0.84	0.83	0.18	0.53	0.82	0.1	0.34	0.82	0.84	0.16	0.17	1.3	1.51	0.69	0.66	0.08	0.02	0.5625	0.148456	0.815151	0.991419	0.999631	0.840272	
Ppr1, Q352, 12	0.42	0.84	0.83	0.18	0.53	0.82	0.1	0.34	0.82	0.84	0.16	0.17	1.3	1.51	0.69	0.66	0.08	0.02	0.5625	0.148456	0.815151	0.991419	0.999631	0.840272	
Ppr1, Q352, 12	0.42	0.84	0.83	0.18	0.53	0.82	0.1	0.34	0.82	0.84	0.16	0.17	1.3	1.51	0.69	0.66	0.08	0.02	0.5625	0.148456	0.815151	0.991419	0.999631	0.840272	
Ppr1, Q352, 12	0.42	0.84	0.83	0.18	0.53	0.82	0.1	0.34	0.82	0.84	0.16	0.17	1.3	1.51	0.69	0.66	0.08	0.02	0.5625	0.148456	0.815151	0.991419	0.999631	0.840272	
Ppr1, Q352, 12	0.42	0.84	0.83	0.18	0.53	0.82	0.1	0.34	0.82	0.84	0.16	0.17	1.3	1.51	0.69	0.66	0.08	0.02	0.5625	0.148456	0.815151	0.991419	0.999631	0.840272	
Ppr1, Q352, 12	0.42	0.84	0.83	0.18	0.53	0.82	0.1	0.34	0.82	0.84	0.16	0.17	1.3	1.51	0.69	0.66	0.08	0.02	0.5625	0.148456	0.815151	0.991419	0.999631	0.840272	
Ppr1, Q352, 12	0.42	0.84	0.83	0.18	0.53	0.82	0.1	0.34	0.82	0.84	0.16	0.17	1.3	1.51	0.69	0.66	0.08	0.02	0.5625	0.148456	0.815151	0.991419	0.999631	0.840272	
Ppr1, Q352, 12	0.42	0.84	0.83	0.18	0.53	0.82	0.1	0.34	0.82	0.84	0.16	0.17	1.3	1.51	0.69	0.66	0.08	0.02	0.5625	0.148456	0.815151	0.991419	0.999631	0.840272	
Ppr1, Q352, 12	0.42	0.84	0.83	0.18	0.53	0.82	0.1	0.34	0.82	0.84	0.16	0.17	1.3	1.51	0.69	0.66	0.08	0.02	0.5625	0.148456	0.815151	0.991419	0.999631	0.840272	
Ppr1, Q352, 12	0.42	0.84	0.83	0.18	0.53	0.82	0.1	0.34	0.82	0.84	0.16	0.17	1.3	1.51	0.69	0.66	0.08	0.02	0.5625	0.148456	0.815151	0.9			

Pricke2_O80704_S3191_1	-2.06	-1.47	-1.28	-1.2	0.14	0.04	-1.02	-1.37	-0.67	-0.57	-1.1	-1.17	0.06	-0.71	-1.58	-1.12	0.9475	0.6225	0.6625	0.133131	0.045229	0.090158	1	0.999631	0.602621	
Pricke2_O80704_S3212_1	-1.3	-1.85	-0.52	-1.27	-0.95	-0.52	-0.64	-0.31	-1.44	-1.33	-0.71	-0.1	-1.23	0.9	-0.77	-1.43	0.63	0.34	0.1525	0.674061	0.088197	0.237446	1	0.999631	0.885515	
Pricke2_O80704_S3221_1	-0.7	-0.1	-0.98	-1.22	-0.22	-0.78	-0.21	-1.54	-0.22	-0.78	-0.21	-1.54	-0.22	-0.78	-0.21	-1.54	-0.22	-0.78	-0.21	0.285	0.539473	0.401182	0.625589	1	0.999631	0.918474
Pricke2_O80704_S3232_1	-1.3	-1.85	-0.52	-1.27	-0.95	-0.52	-0.64	-0.31	-1.44	-1.33	-0.71	-0.1	-1.23	-0.9	-0.77	-1.43	0.63	0.34	0.1525	0.674061	0.088197	0.237446	1	0.999631	0.885515	
Pricke2_O80704_S3396_1	0.04	0.95	0.87	0.96	0.93	-0.1	1.14	0.82	1.12	0.41	1.46	1.66	0.1	-0.53	1.95	-0.0075	0.4075	-0.16	0.763878	0.983857	0.278694	1	0.999631	0.918474		
Pricke2_O80704_S4141_1	-0.51	-0.1	-0.98	-1.22	-0.22	-0.78	-0.21	-1.54	-0.22	-0.78	-0.21	-1.54	-0.22	-0.78	-0.21	-1.54	-0.22	-0.78	-0.21	0.285	0.539473	0.401182	0.625589	1	0.999631	0.918474
Pricke2_O80704_S4631_1	0.69	3.26	2.27	0.63	2.71	1.96	2.97	0.7	3.53	1.22	3.23	1.9	0.4	-0.06	0.82	0.04	0.6875	1.0725	-0.1575	0.88829	0.434887	0.244221	1	0.999631	0.918474	
Pricke2_O80704_S4544_1	-0.63	-0.27	-0.51	-0.42	-0.45	0.24	-0.85	-0.38	-0.42	-0.36	-0.58	-0.37	-0.01	-0.29	-0.09	0.13	-0.0225	0.205	0.3675	0.204171	0.930615	0.919773	1	0.999631	0.650781	
Pricke2_O80704_S5072_1	0.82	0.81	-0.27	2.14	2.24	0.5	1.74	1.11	-0.02	1.63	0.53	-1.19	-1.27	0.97	1.18	0.515	-0.6625	-0.3175	0.644135	0.930748	0.913192	1	0.999631	0.871773		
Pricke2_O80704_S4671_1	0.6	-0.88	-1.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	0.34	0.488402	0.580737	0.374449	1	0.999631	0.777813
Pricke2_O80704_S4666_1	0.09	-0.13	-0.49	0.46	0.52	0.02	0.31	0.6	-0.02	0.19	0.38	-0.06	-0.39	0.81	-0.07	0.45	0.38	0.14	0.2175	0.563738	0.224658	0.642484	1	0.999631	0.841430	
Pricke2_O80704_S5731_1	0.08	0.71	0.2	0.4	1.04	0.53	0.5	0.37	0.94	-0.27	0.81	0.61	-0.2	0.31	-0.01	0.58	0.265	0.175	0.1775	0.572797	0.362264	0.616032	1	0.999631	0.841430	
Pricke2_O80704_S8071_1	-0.1	-0.83	-1.02	-0.46	0.16	0.36	-0.1	-0.38	-0.17	-0.38	-0.17	-0.38	-0.17	-0.38	-0.17	-0.38	-0.17	-0.38	-0.17	0.2175	0.563738	0.224658	0.642484	1	0.999631	0.841430
Pricke2_O80704_T3351_1	-0.16	-0.33	0.11	0.02	-0.67	-0.23	-0.19	0.43	-0.08	0.43	-0.08	0.43	-0.08	0.43	-0.08	0.43	-0.08	0.43	-0.08	0.43	0.25	0.36	0.43	1	0.999631	0.881311
Pricke2_O80704_T3352_1	1.04	0.39	0.23	1.55	0.26	0.01	-0.14	-0.35	-0.11	1	0.42	-0.45	-1.56	-0.49	-0.29	1.08	-0.5675	-0.5875	-1.1175	0.074876	0.880084	0.193920	1	0.999631	0.540556	
Pricke2_O80704_T5402_1	1.04	0.39	0.23	1.55	0.26	0.01	-0.14	-0.35	-0.11	1	0.42	-0.45	-1.56	-0.49	-0.29	1.08	-0.5675	-0.5875	-1.1175	0.074876	0.880084	0.193920	1	0.999631	0.540556	
Pricke2_O80704_T006_1	-0.32	-0.71	-0.59	-0.26	0.35	-0.15	-0.79	0.22	0.08	0.4	-1	-0.65	-0.34	-0.26	0.43	0.27	0.31	0.16	0.2125	0.563738	0.433306	0.715701	1	0.999631	0.841430	
Khaat_Q3T0U0_S4871_1	0.64	-0.24	0.04	0.4	0.28	0	0.42	0.34	-0.25	-0.17	0.04	0.28	0.57	-0.07	0.56	0.23	0.05	-0.235	-0.2875	0.429424	0.986296	0.443881	1	0.999631	0.776658	
Khaat_Q3T0U0_T1741_1	-1.47	-0.63	0.1	-0.94	-0.66	1.67	0.5	-0.3	-0.38	-1.41	0.46	-1.95	0.78	0.58	-1.16	-1	-0.4975	-0.625	-0.47	0.481434	0.482515	0.39061	1	0.999631	0.820023	
Khaat_Q3T0U0_T4811_1	-0.43	-0.1	-0.98	-1.22	-0.22	-0.78	-0.21	-1.54	-0.22	-0.78	-0.21	-1.54	-0.22	-0.78	-0.21	-1.54	-0.22	-0.78	-0.21	0.285	0.539473	0.401182	0.625589	1	0.999631	0.918474
Pricke2_O80704_S4811_1	1.59	-1.26	-0.2	-0.33	-2.22	-0.45	0.17	-1.56	-2.41	0.87	-0.9	-1.49	-0.86	-2.11	-1.32	-1.42	-0.46	-0.9325	-1.3775	0.0399	0.632327	0.261336	1	0.999631	0.471899	
Pricke2_O80704_S1821_1	-1.98	-0.88	-0.02	-0.75	-0.33	-2.29	-0.42	-0.2	-0.34	-2.77	0.28	0.19	0.39	0.86	0.52	0.17	0.0975	0.2475	0.7125	0.269876	0.866707	0.734827	1	0.999631	0.689414	
Pricke2_O80704_S1831_1	-0.82	-0.03	-0.48	-0.08	-0.29	-0.43	-0.78	-0.33	-0.58	-0.54	-0.4	0.27	0.29	-0.27	-0.27	0.05	0.06	0.5575	0.112932	0.746238	0.834841	1	0.999631	0.571408		
Pricke2_P05132_T1801_1	-1.42	0.79	1.21	-0.19	-1.87	2.01	0.5	0.75	-1.65	-1.06	0.55	-2.74	0.38	2.86	-1.39	0.59	-1.025	-1.3225	0.3225	0.728878	0.977489	0.119802	1	0.999631	0.905923	
Pricke2_P05132_T1901_1	-1.65	1.14	1.31	-0.36	-2.09	2.61	0.09	1.67	-1.75	-0.97	1.68	-4	0.21	0.01	-0.94	-0.97	0.46	0.37	0.2175	0.874206	0.667767	0.528006	1	0.999631	0.941202	
Pricke2_P05132_S2121_1	-0.56	2.44	1.22	1.83	2.12	1.89	1.03	1.78	1.9	1.17	2.5	1.07	0.97	2.48	1.26	1.39	0.4725	0.4275	0.655118	0.452577	0.518677	1	0.999631	0.870777		
Pricke2_P05132_S2161_1	-0.66	-0.33	-0.31	-1.06	-0.76	0.35	-0.15	-0.79	-0.22	-0.08	-0.81	-0.79	-0.44	-1.21	-0.99	-0.4075	-0.8075	0.782521	0.977476	0.733888	0.899649	1	0.999631	0.918474		
Pricke2_P05132_S271_1	0.25	-0.79	-0.82	0.64	0.21	0.34	0.16	-0.18	0	0.04	-0.77	-0.25	-1.71	0.27	-0.52	-1.8	0.3125	0.01	-0.355	0.50707	0.43444	0.981475	1	0.999631	0.81564	
Pricke2_P08007_S51_1	2.22	1.12	-1.75	-1.17	0.86	1.14	0.36	-1.44	-0.24	-1.76	-0.51	0.59	-1.62	-1.48	-0.97	-1.65	-1.25	0.045	-1.045	0.351556	0.903678	0.96447	1	0.999631	0.738113	
Pricke2_P08007_S771_1	-0.95	-0.32	-0.16	-0.13	0.3	-0.06	-0.66	0.23	0.64	0.12	-0.19	0.43	0.56	0.42	0.48	0.17	0.0325	0.48	0.6375	0.087477	0.92645	0.918366	1	0.999631	0.551251	
Pricke2_P08007_S781_1	0.3	0.32	0.12	0.38	-0.26	0.01	-0.77	-0.21	-0.33	0.17	0.39	0.04	0.65	0.09	0.12	0.1	0.1415	0.02	0.32	0.1415	0.64905	0.530488	1	0.999631	0.713032	
Pricke2_P08007_T751_1	-0.35	-0.02	-0.69	-0.67	0.31	-0.1	-0.37	-0.2	-0.25	0.54	0.48	0.62	1.08	0.48	0.4	0.97	-0.0025	0.195	0.82	0.05796	0.99431	0.616187	1	0.999631	0.488558	
Pricke2_P12849_S31_1	0.24	0.39	-0.46	0.45	1	0.63	-0.29	-1.29	0.15	-0.48	-0.31	-1.19	0.95	0.4	0.01	-0.17	-0.385	-0.3875	0.3675	0.338351	0.8773	0.320904	1	0.999631	0.713751	
Pricke2_P12849_S81_1	-1.34	-1.1	-0.97	-0.7	-0.1	-0.99	-0.73	-0.97	-0.21	-0.98	-0.73	-0.97	-0.21	-0.98	-0.73	-0.97	-0.21	-0.98	-0.73	0.46	0.371717	0.78499	0.31	1	0.999631	0.856061
Pricke2_P12849_S91_1	-0.57	-0.15	-0.43	-0.39	0.44	0.04	-0.54	-1.83	-0.23	-0.76	-0.47	0.01	-0.07	0.21	-0.3	-0.02	-1.625	-0.0525	0.265	0.387347	0.740655	0.862203	1	0.999631	0.754721	
Pricke2_P081301_S3811_1	-0.33	-0.2	-0.71	0.01	1.12	1.74	-0.85	-1.38	1.43	0.66	-0.16	-0.39	2.68	1.94	-0.34	0.04	0.465	0.0925	1.3875	0.004004	0.500551	0.5137941	1	0.999631	0.505461	
Pricke2_O81301_S5071_1	-0.56	1.29	0.26	1.13	0.63	0.64	1.05	0.52	0.21	0.94	0.78	1.37	1.22	0.4	1.35	-0.29	-0.3675	0.105	0.850306	0.583751	0.489803	1	0.999631	0.949525		
Pricke2_P13124_S1121_1	-1.31	1.11	1.14	-0.08	-0.46	1.34	0.21	1.67	-0.04	1.57	0.27	0.39	0.63	1.04	0.81	1	-0.1075	0.08	0.819523	0.78816	0.48	0.9189303	1	0.999631	0.9189303	
Pricke2_O4V493_S131_1	-1.73	0.39	1.05	-0.62	0.23	-0.28	0.21	-0.28	-0.88	-0.11	0.19	0.46	1.14	-1.35	0.98	0.27	0.195	0.58	0.485	0.513514	0.733078	0.373721	1	0.999631	0.818773	
Pricke2_O4V493_S2261_1	-0.64	-0.37	-0.46	-0.27	-0.25	-0.55	-0.55	-0.51	-0.72	-1	-0.69	-0.27	-0.36	-0.41	-0.4	-0.16	-0.325	-0.2375	0.1	0.708313	0.893393	0.395867	1	0.999631	0.893393	
Pricke2_O4V493_S3191_1	-0.64	-0.37	-0.46	-0.27	-0.25	-0.55	-0.55	-0.51	-0.72	-1	-0.69	-0.27	-0.36	-0.41	-0.4	-0.16	-0.325	-0.2375	0.1	0.708313	0.893393	0.395867	1	0.999631	0.893393	
Pricke2_P68004_S11_1	-0.41	-0.29	-1.87	-1.17	-1.76	-1.87	-1.59	-1.51	-1.79	-1.33	-1.65	-1.18	-1.11	-1.57	-1.79	-1.91	-0.4275	-0.4125	0.3	0.319493	0.216465	0.257868	1	0.999631	0.71924	
Pricke2_P68004_S2061_1	-1.45	-1.28	-0.45	-3.21	-1.89	-3.73	-3.68	-2.76	-2.34	-2.26	-2.67	-2.11	-0.8	-2.27	-3.13	-3.825	0.7525	0.72	0.343836	0.902533	0.5212908	1	0.999631	0.73348		
Pricke2_P68004_S6601_1	-1.33	1.79	1.38	0.25	0.64	1.2	0.06	0.76	0.8	-0.97	1.04	0.47	1.05	1.01	0.51	0.25	-0.1425	-0.1875	0.1825	0.779292	0.822696	0.798949	1	0.999631	0.921416	
Pricke2_P68004_T641_1	-1.46	-1.28	-0.45	-3.21	-1.89	-3.73	-3.68	-2.76	-2.34	-2.26	-2.67	-2.11	-0.8	-2.27	-3.13	-3.825	0.7525	0.72	0.343836	0.902533	0.5212908	1	0.999631	0.73348		
Pricke2_P68004_T6411_1	-1.07	-1.11	-1.18	-1.16	-1.12	-0.69	-1.16	-1.47	-1.08	-2.69	-2.98	-0.55	-0.27	-2.15	-0.62	-1.125	-0.145	-0.77	0.3875	0.403107	0.731763	0.319186	1	0.999631	0.764348	
Pricke2_P68004_T6441_1	-0.59	-0.27	-0.59	-0.47	-0.76	0.13																				

Pnm20_Q3J2R2_S28500_1	-0.61	0.23	0.05	-0.64	0.09	0.51	-0.89	0.12	0.58	0.69	-0.88	-0.77	0.12	0.65	0.22	0.13	0.1475	0.7475	0.058372	0.605304	0.751127	1	0.999631	0.500025			
Pnm20_Q3J2R2_S28500_1	-0.7	0.5	0.18	-0.40	0.63	-0.22	-0.31	-0.1	-0.17	-0.93	0.65	0.26	1.16	-0.34	0.68	0.61	0.265	0.1735	0.7925	0.070212	0.435116	0.539734	1	0.999631	0.52065		
Pml_Q3D0T2_S5101_1	-3.54	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	1	0.999631	0.509939		
Pml_Q3D0T2_S5101_1	-1.45	0.1	0.17	-1.24	2.16	-0.41	1.91	-0.76	0.73	-2.27	1.02	2.53	1.68	-0.51	-1.7	-0.98	1.55	1.8275	0.4475	0.531495	0.831211	0.103804	1	0.999631	0.828493		
Pml_Q3D0T2_S517_1	-1.27	0.95	0.8	-1.12	0.52	-0.59	-0.09	0.02	0.86	-1.24	0.47	1.06	0.93	0.17	0.55	-0.99	0.42	0.4475	0.325	0.621025	0.466325	0.531421	1	0.999631	0.861888		
Pml_Q3D0T2_S538_1	-1.89	-0.72	-0.8	-1.24	2.94	-0.36	1.47	-0.24	2.51	-1.47	0.84	1.06	0.93	0.17	0.55	-0.99	0.42	0.4475	0.325	0.621025	0.466325	0.531421	1	0.999631	0.861888		
Pml_Q3D0T2_S544_1	-0.52	0.04	-0.42	-0.42	0.11	-0.22	-0.52	-0.33	-0.44	-0.45	-0.29	-0.31	0.09	0	-0.25	0.13	0.09	-0.0425	0.2775	0.33718	0.714121	0.869887	1	0.999631	0.730499		
Pml_Q3D0T2_S570_1	0.32	-0.08	-0.78	0.65	0.5	0.17	-0.39	0.65	-0.35	-0.42	0.4	-0.12	-1.22	0.2	-0.08	-0.42	0.315	0.15	-0.3625	0.417862	0.407289	0.948884	1	0.999631	0.771539		
Pml_Q3D0T2_S576_1	0.16	1.13	-0.91	0.97	0.45	0.19	-0.67	-0.4	0.35	-0.4	-0.31	-0.95	0.11	0.96	0.4	-0.63	0.25	0.18	0.1575	0.780482	0.692026	0.731448	1	0.999631	0.921416		
Pml_Q3D0T2_S576_1	-0.8	-0.73	0.19	-0.8	0.46	0.1	-0.73	0.19	-0.8	0.46	0.1	-0.73	0.19	-0.8	0.46	0.1	-0.73	0.19	-0.8	0.46	0.1	-0.73	0.19	1	0.999631	0.918166	
Pml_Q3D0T2_S537_1	-0.97	2.34	0.01	-0.96	2.88	0.12	1.91	-1.48	3.86	-0.2	1.59	2.27	3.36	0.6	-1.36	1	1.0525	1.775	0.79	0.459459	0.327211	0.082827	1	0.999631	0.70152		
Pml_Q3D0T2_S537_1	-0.94	1.36	0.46	-0.97	1.89	0.59	0.83	0.52	2.05	0.2	0.44	1.1	2.49	1.08	-0.34	0.1	0.71	0.585	0.395619	0.176514	0.224242	0.726822	1	0.999631	0.76249		
Pml_Q3D0T2_S540_1	-1.2	0.58	0.7	-1.2	0.02	0.01	-0.6	0.43	1.06	-0.2	1.06	0.2	1.06	0.2	1.06	0.2	1.06	0.2	1.06	0.2	1.06	0.2	1.06	0.2	1	0.999631	0.925011
Pml_Q3D0T2_S542_1	-0.29	0.11	1.06	-0.64	0.02	-0.3	1.41	0.21	0.28	-0.61	1.19	2.38	1.85	0.13	1.31	0.01	0.13	0.605	0.62	0.262452	0.788215	0.366302	1	0.999631	0.693034		
Pml_Q3D0T2_S548_1	-0.86	-0.12	0.37	-1.35	-0.26	-0.36	-0.3	0.56	0.22	-0.21	0.23	1.2	2.05	-0.54	-0.39	-0.53	0.12	0.18	0.6375	0.347854	0.761472	0.094926	1	0.999631	0.736498		
Pml_Q3D0T2_S548_1	-1.03	0.52	0.48	-0.27	0.95	-0.47	1.26	0.13	1.76	-0.65	0.8	1.08	1.59	-0.77	0.2	-0.3	0.5425	0.8225	0.253	0.06108	0.295774	0.170249	1	0.999631	0.880115		
Pml_Q3D0T2_S544_1	-0.45	0.37	0.06	-0.52	0.89	-0.59	0.66	0.77	1.2	-0.39	0.61	0.36	1.22	0.1	1.1	0.05	0.0275	0.1175	0.834325	0.955584	0.531437	1	0.999631	0.943844			
Pml_Q3D0T2_S576_1	1.57	0.48	0.55	-0.03	-1.32	1.42	1.24	-1.27	1.73	1.1	-0.99	0.14	-0.68	-1.42	-0.24	-0.89	-0.65	-1.0825	-1.45	0.006358	0.401441	0.109486	1	0.999631	0.351545		
Pml_Q3D0T2_S578_1	1.85	0.9	1.16	0.82	-0.25	1.05	2.16	-0.62	-0.7	0.52	0.17	-0.08	-1.69	-0.61	0.11	-0.96	-0.957	-1.29	1.97	0.001241	0.339901	0.050768	1	0.999631	0.351308		
Pml_Q3D0T2_S598_1	-1.46	-0.98	-0.3	1.83	-0.42	1.98	1.1	1.49	-1.34	1.39	0.39	0.75	0.45	-1.42	-0.89	-1.59	0.3855	-0.055	-0.7025	0.156234	0.214833	1	0.999631	0.786529			
Pnm20_Q3J4P5_S25_1	-0.18	-0.29	0.08	-0.52	-0.45	-0.66	0.4	-0.53	-0.28	0.31	0	0.34	0.87	-0.13	-0.53	0.02	-0.2825	0.32	0.285	0.443005	0.279878	0.763648	1	0.999631	0.782541		
Pnm20_Q3J4P5_S25_1	0.08	-0.68	1.67	1.77	0.04	0.57	1.41	1.59	-0.03	1.71	0.94	1.13	0.92	-1.02	1.31	-0.35	0.1725	0.2275	-0.955	0.20213	0.787208	0.20955	1	0.999631	0.658952		
Pml_Q3D0T2_S5106_1	0.78	1.88	1.93	1.55	1.33	1.67	1.16	1.59	1.83	1.65	1.7	1.76	1.57	1.52	1.55	1.27	-0.0975	0.2	0.0575	0.863659	0.768702	0.541683	1	0.999631	0.953657		
Pml_Q3D0T2_S5106_1	-1.64	-0.02	-1.49	-0.17	1.91	-0.57	-0.13	-1.46	-2.34	-0.54	-1.36	-1.78	-0.25	-1.02	0.3475	0.35	0.065	0.951517	0.550482	0.578371	1	0.999631	0.961183				
Pml_Q3D0T2_S5106_1	1.1	1.76	0.25	-1.25	0.73	3.06	1.59	-1.29	-0.34	1.43	0.75	-1.82	1.25	-1.54	-1.69	-0.82	-0.5575	-0.835	-1.6625	0.949104	0.565091	0.327205	1	0.999631	0.560722		
Pnm20_Q3J4P5_S25_1	-0.16	0.55	1.23	-0.08	-0.23	-0.3	-0.89	1.82	-0.14	0.81	0.66	0.21	1.58	0.03	2.4	0.82	-0.325	0.4	0.7825	0.177653	0.569281	0.918561	1	0.999631	0.647116		
Pml_Q3D0T2_S5175_1	-0.72	1.39	0.77	0.52	0.82	0.19	-0.72	-0.22	-0.89	0.24	-0.89	0.24	-0.89	0.24	-0.89	0.24	-0.89	0.24	-0.89	0.24	-0.89	0.24	1	0.999631	0.507703		
Pnm20_Q3J4P5_S25_1	2.2	3.9	0.07	0.44	3.45	1.15	0.13	0.29	3.29	0.43	0.45	0.37	3.43	3.6	-0.38	-0.49	0.1025	0.2325	0.1325	0.907462	0.924091	0.825767	1	0.999631	0.96869		
Pnm20_Q3J4P5_S25_1	-0.6	-0.15	0.01	-0.22	-0.22	-0.48	-0.54	-0.21	-0.29	-0.19	0.11	0.5	0.82	0.18	0.13	-0.06	-0.1225	0.2725	0.5075	0.133117	0.639678	0.371024	1	0.999631	0.60482		
Pml_Q3D0T2_S517_1	-0.32	0.12	-0.86	-1.21	-0.49	-0.07	-0.95	-1.16	0.15	0.15	-0.78	-0.96	0.94	0.46	-0.9	-0.54	-0.065	0.0705	0.5575	0.278082	0.757582	0.623771	1	0.999631	0.70874		
Pml_Q3D0T2_S517_1	0.36	0.25	1.16	0.46	-0.61	0.1	0.39	0.28	0.7	-0.42	1.16	0.74	0.43	0.36	1.29	0.7115	0.149	0.18	0.47	0.747081	0.348012	0.453129	1	0.999631	0.785739		
Pml_Q3D0T2_S517_1	0.57	0.94	-0.38	0.93	0.77	0.64	0.41	0.67	1.03	0.51	0.77	0.78	-0.55	0.91	0.75	0.802	0.1575	0.2575	-0.0325	0.943559	0.875732	0.641435	1	0.999631	0.981629		
Pml_Q3D0T2_S516_1	-0.13	-0.22	0.33	-0.55	-0.33	0.51	-0.76	-0.69	-0.54	0.4	0.34	-0.34	-0.04	-0.54	-1.18	0.4	-0.265	0.1025	-0.1225	0.728074	0.305816	0.74294	1	0.999631	0.905923		
Pml_Q3D0T2_S516_1	-0.72	1.39	0.77	0.52	0.82	0.19	-0.72	-0.22	-0.89	0.24	-0.89	0.24	-0.89	0.24	-0.89	0.24	-0.89	0.24	-0.89	0.24	-0.89	0.24	1	0.999631	0.507703		
Pml_Q3D0T2_S516_1	-0.88	1.15	0.18	-0.67	2.81	1.89	0.84	0.31	1.41	-0.1	1.14	1.23	3.99	1.96	0.11	-0.97	0.1375	0.975	0.8275	0.499789	0.201375	0.753984	1	0.999631	0.813279		
Pml_Q3D0T2_S516_1	0.18	0.27	0.4	-1.55	0.38	-0.01	-1.07	-1.09	0.63	0.85	-1.25	-0.46	0.22	0.38	0.26	-0.08	-0.0725	0.0025	0.57	0.210155	0.889305	0.966444	1	0.999631	0.664726		
Pml_Q3D0T2_S516_1	-0.28	-0.01	-0.87	-0.65	0.4	-0.89	-1.02	-1.22	0.36	-0.93	-0.22	-0.28	0.35	0.13	0	-1.26	-0.23	0.185	0.2575	0.545555	0.580424	0.691915	1	0.999631	0.831826		
Pml_Q3D0T2_S51_1	1.57	0.6	-0.1	0.83	-0.24	1.58	1.1	1.59	-1.06	1.35	0.19	0.47	-0.45	-1.41	-0.89	-1.59	0.3855	-0.055	-1.105	0.153339	0.608034	0.214833	1	0.999631	0.786529		
Pml_Q3D0T2_S513_1	-0.09	-1.32	-2.96	-0.27	-0.82	-1.12	-1.68	-2.81	-1.61	-0.75	-2.06	-1.38	-1.15	-2.64	-3.2	0.0025	0.16	0.5	0.475172	0.997006	0.791867	1	0.999631	0.799862			
Pml_Q3D0T2_S513_1	-1.1	-2.1	0.31	0.54	-1.25	3.96	0.26	-0.07	-1.44	-1.87	0.62	0.98	2.37	-1.63	-0.08	0.5	-0.6325	0.16	-0.3075	0.699646	0.52864	0.847227	1	0.999631	0.896612		
Pml_Q3D0T2_S513_1	-0.06	1.21	1.05	0.29	0.23	0.65	-0.11	-0.45	0.61	0.7	0.26	0.74	0.91	0.91	0.72	1.11	-0.325	-0.0525	0.2825	0.4854	0.379557	0.870267	1	0.999631	0.781983		
Pml_Q3D0T2_S513_1	2.15	0.34	1.88	0.58	0.77	0.86	2.32	0.82	0.21	1.95	0.28	0.74	0.07	1.43	1.1	-0.75	0.0775	0.188	-1.56	0.004184	0.30143	0.214897	1	0.999631	0.939939		
Pml_Q3D0T2_S513_1	0.001	1.41	0.91	1.03	0.78	0.75	0.51	1.08	1.18	0.94	0.69	1.33	1.1	1.29	1.46	2.11	-0.0775	0.1975	0.6525	0.121291	0.868974	0.586844	1	0.999631	0.952497		
Pml_Q3D0T2_S513_1	0.2	0.34	1.01	0.11	-0.15	0.66	0.45	0.01	1.22	1.88	0.44	0.03	0.04	0.01	0.14	0.23	-0.6225	-0.2475	-0.765	0.102075	0.3189	0.658746	1	0.999631	0.564448		
Pml_Q3D0T2_S513_1	-1.6	-0.06	0.25	-0.67	-0.05	-0.17	-0.59	-0.62	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	1	0.999631	0.564448		
Pml_Q3D0T2_S513_1	1.79	1.2	1.51	1.08	1.16	1.75	0.86	0.31	1.91	2.74	1.41	0.65	0.66	1.25	0.38	1.35	-0.3725	-0.2825	-0.485	0.180367	0.186758	0.539588	1	0.999631	0.64376		
Pml_Q3D0T2_S513_1	0.76	0.16	0.37	-0.42	-0.18	-0.19	-0.28	-0.54	-0.86	0.31	-0.1	-0.65	0.61	-0.1	-0.62	0.11	0.3	-0.0325	0.935167	0.95151	0.734037	1	0.999631	0.971914			
Pml_Q3D0T2_S513_1																											

Rab11fp5_Q88R61_S307s_1	0.29	-1.96	-0.56	-0.47	-0.24	-0.88	0.55	0.96	-0.39	-1.29	0.96	0.25	-1.02	-0.98	0.78	0.66	0.5375	0.3225	0.3	0.653656	0.39533	0.625754	1	0.99961	0.873844	
Rab11fp5_Q88R61_S480s_0	0.41	-0.43	-0.41	1.1	0.23	0.62	0.59	0.6	0.21	-0.37	0.19	-0.44	0.9	1.11	1	-0.21	-0.345	0.27	0.0825	0.88355	0.87852	0.51815	1	0.99961	0.963055	
Rab11fp5_Q88R61_S480s_1	0.36	-1.31	0.06	-0.49	-0.43	-0.05	0.47	0.04	-0.23	-0.45	0.04	-0.28	0.39	0.48	0.1	-0.3425	-0.80747	0.382479	0.642786	0.627899	0.627899	1	0.99961	0.873844		
Rab11fp5_Q88R61_S530s_1	0.26	0.34	0.64	0.33	1.06	0.74	0.16	0.6	0.8	0.23	0.33	0.68	1.14	0.25	0.91	0.68	0.2475	0.1175	0.0825	0.049631	0.49969	0.652328	1	0.99961	0.487521	
Rab11fp5_Q88R61_S539s_1	0	0.43	-0.67	1.02	0.58	0.5	0.53	0.81	-0.08	0.23	0.92	0.39	0.97	0.61	0.14	0.87	0.41	0.17	0.1225	0.780547	0.292705	0.685044	1	0.99961	0.921246	
Rab11fp5_Q88R61_S640s_1	0.1	-0.1	-0.5	-0.1	1.26	0.65	0.1	0.1	-0.1	1.26	0.65	0.1	-0.1	1.26	0.65	0.1	-0.1	-0.1	-0.38	0.48781	0.32114	0.54601	1	0.99961	0.873844	
Rab12_P35283_S15s_1	0.37	1	0.99	0.47	0.16	0.04	-0.38	0.3	-0.21	-0.14	-0.04	-0.76	0.22	0.33	1.01	0.43	-0.6775	-0.995	-0.21	0.520316	0.404522	0.808255	1	0.99961	0.873844	
Rab12_P35283_S20s_1	1.8	0.9	0.23	1.1	0.69	-0.97	-0.58	-0.26	0.3	-0.75	-0.34	-1.28	-1.11	-0.07	-1.55	-1.16	-0.8825	-1.56	-1.865	0.009331	0.120653	0.071936	1	0.99961	0.351308	
Rab14_Q51414_S204s_1	0.1	0.46	0.88	-0.03	-0.56	-0.11	0.28	0.4	0.09	0.18	0.67	0	0.15	-0.05	-0.67	0.89	-1.15	0.075	0.2875	0.5232	0.775569	0.977595	1	0.99961	0.821793	
Rab14_P63011_S184s_1	0.07	0.4	0.68	0.21	-0.61	0.43	0.66	0.4	0.04	0.56	0.16	0.48	0.1	0.38	0.45	0.1	-0.12	0.788411	0.416388	0.4289	0.4289	1	0.99961	0.888081		
Rab14_P63011_T195s_1	0.97	0.03	0.49	0.2	-0.53	-0.47	0.71	0.03	0.5	0.127	0.52	0.09	0.48	0.33	0.47	-0.16	-0.2525	0.1725	-0.1425	0.666675	0.429864	0.610084	1	0.99961	0.828624	
Rab19_Q90910_S179s_1	-1.75	-0.63	-1.2	-1.03	-0.8	0.83	-0.85	-1.15	-0.53	-0.29	-1.6	0.26	-0.07	-0.98	-0.26	-0.49	-0.6425	0.6525	0.094185	0.429864	0.913717	0.913717	1	0.99961	0.558128	
Rab22a_P35283_S187s_1	0.12	-0.98	0.25	-0.43	-0.48	0.8	0.8	0.5	-0.17	-0.48	0.17	-0.48	0.17	-0.48	0.17	-0.48	0.17	-0.48	1.5275	0.014654	0.178851	0.603193	1	0.99961	0.388193	
Rab23_Q90409_S197s_1	1.54	0.71	0.37	0.95	1.66	1.28	0.62	1.47	1.24	0.45	0.94	1.49	0.23	1.41	1.22	1.33	0.465	0.2375	0.255	0.491246	0.174925	0.47842	1	0.99961	0.803959	
Rab31_Q370V4_S36s_1	-0.84	-1.62	-0.44	-0.59	-1.27	-0.98	-0.89	-0.86	-1.16	-0.88	-0.68	-0.17	-0.41	-0.58	-0.69	-0.21	-0.1275	0.15	0.4	0.261813	0.694947	0.682708	1	0.99961	0.782758	
Rab37_Q54488_T4s_1	-0.88	0.1	-0.95	-0.1	-0.78	-0.34	-0.37	0.86	-1.15	-1.28	-1.17	0.62	1.02	-1.59	-1.58	0.9	0.3	-0.0375	0.4175	0.477072	0.494764	0.939887	1	0.99961	0.800773	
Rab39_Q89811_S201s_1	-0.85	-0.86	-1.1	-0.95	-0.87	-1.21	-0.84	-1.5	-0.93	-0.86	-0.7	0.12	-0.84	-0.86	-0.67	-0.7	-0.0775	-0.1325	0.61	0.110556	0.755113	0.647221	1	0.99961	0.571761	
Rab3a_P63011_S188s_1	-0.53	-0.38	-0.17	-0.52	-0.48	-0.46	-0.71	-0.61	-0.5	-0.48	-0.68	-0.29	0.2	-0.34	-0.17	0.06	-0.165	-0.0875	0.3375	0.247625	0.499466	0.730998	1	0.99961	0.828075	
Rab3a_P63011_S190s_1	-1.09	-1.08	-0.67	-0.89	-1.03	-1.05	-0.99	-0.78	-0.89	-1	-1.05	-0.13	-0.39	-0.84	-0.84	-0.51	-0.03	0.165	0.2875	0.322701	0.902827	0.939579	1	0.99961	0.724485	
Rab3apc1_E9Q6V4_S440s_1	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	0.16	0.631917	0.693185	0.614005	1	0.99961	0.863931	
Rab3p_Q68F0_S218s_1	-0.46	-0.28	0.26	0.11	-0.14	-0.64	-0.56	-0.11	-0.34	-0.62	-0.25	0.1	0.12	0.01	0.26	0.02	-0.215	0.13	0.25	0.394806	0.4558	0.660729	1	0.99961	0.759303	
Rab3p_Q68F0_S240s_1	-0.3	-0.4	-0.7	0.33	0.31	0.28	0.35	0.22	0.44	-0.19	-0.13	-0.03	-0.84	0.76	0.02	0.24	0.3425	0.075	0.0975	0.823094	0.300528	0.829436	1	0.99961	0.934984	
Rab4c_E9Q016_S249s_1	0.6	0.92	0.92	0.6	0.63	0.65	0.66	1.45	0.61	1.43	1.76	1.72	1.39	1.26	1.36	1.73	0.175	0.62	0.675	0.03322	0.63311	0.807247	1	0.99961	0.442844	
Rab5a_Q8Q011_S193s_1	1.4	-1.49	-0.09	0.26	-0.41	0.39	0.72	0.25	0.71	0.14	-0.52	-0.14	-0.8	-2.02	-0.39	-1.48	0.2175	-0.5255	1.1905	0.081892	0.709044	0.91011	1	0.99961	0.547420	
Rab5b_P61021_S205s_1	0.65	1.41	-0.42	0.21	0.52	1.5	-0.05	0.67	0.57	0.74	0.4	-0.18	-1.59	1.09	0.33	0.55	0.1975	0.08	0.4275	0.371728	0.679682	0.833087	1	0.99961	0.746522	
Rab5b_P55258_S181s_1	-0.2	-0.59	0.14	-0.39	-1.35	1.54	0	-0.65	-0.5	-0.47	0.14	-0.23	-0.68	-0.87	-1.14	-0.01	-0.625	-0.005	-1.605	0.620888	0.132181	0.986478	1	0.99961	0.861888	
Rab5b_P55258_S181s_1	0.1	-0.24	0.13	-0.34	-0.1	0.04	0.02	0.34	0.02	0.34	0.02	0.34	0.02	0.34	0.02	0.34	0.02	0.34	0.02	0.34	0.02	0.34	1	0.99961	0.510623	
Rab5b_P61028_S181s_1	-1.28	-1.73	0.41	-0.34	-1.21	-1.49	0.43	-0.34	-1.71	-1.56	0.04	0.26	-0.76	-2.32	0.05	-0.92	-0.885	-0.0075	-0.2525	0.685672	0.888255	0.950952	1	0.99961	0.896068	
Rab5b_P61028_S181s_1	0.87	-0.17	0.2	-0.27	-0.35	0.2	0.34	-0.25	0.82	0	0.01	-1.16	0.81	0.09	-0.78	-0.61	-0.1725	0.01	-0.28	0.534497	0.616276	0.787821	1	0.99961	0.828596	
Rab5b_Q90906_S179s_1	-1.13	-1.79	-0.39	-0.52	-1.03	-1.16	-0.5	-0.89	-1.26	-1.73	-0.15	0.08	-0.96	-1	-0.18	0.1	-0.0625	0.1925	0.5	0.282309	0.4388	0.760708	1	0.99961	0.707708	
Rabep1_J0V0Y7_S132s_1	0.73	0.73	0.16	1.13	0.98	0.71	0.87	0.64	0.74	0.84	0.66	0.57	0.84	0.67	0.84	0.67	0.84	0.67	0.17	0.72904	0.463804	0.53689	1	0.99961	0.919478	
Rabep1_J0V0Y7_S136s_1	-0.47	-0.49	1.54	-0.28	-0.39	-0.61	-0.49	0.91	-0.76	-0.41	0.8	1.19	-0.52	0.01	0.55	1.33	-0.36	0.01	0.1275	0.823828	0.514444	0.686855	1	0.99961	0.938864	
Rabep1_A2A0A9_S42s_1	1.2	-0.47	0.62	-0.17	-0.54	-0.27	-0.18	-1.19	-0.2	0.38	-1.02	-1.17	-0.56	-0.93	-0.79	-1.86	-0.75	-0.7975	-1.33	0.016198	0.12539	0.134151	1	0.99961	0.388832	
Rabep1_A2A0A9_S480s_1	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	1	0.99961	0.509623	
Rabep1_Q6M13s_S124s_1	1.54	0.42	0.81	1.57	1.67	2.41	1.18	1.44	1.31	1.06	1.4	0.91	-2.64	2.8	1.57	1.24	0.59	0.085	-0.3425	0.740581	0.517692	0.806154	1	0.99961	0.908046	
Rabep1_Q6M13s_S132s_1	1.73	0.8	1.29	1.53	0.52	1.17	1.58	0.79	1.27	0.28	1.42	0.93	0.08	0.15	0.71	0.58	-0.3225	0.0875	-0.9575	0.014943	0.355073	0.803976	1	0.99961	0.385092	
Rabep1_Q6M13s_S139s_1	2.34	0.42	1.08	-2.65	0.67	0.04	1.27	-1.7	-1.7	-3.24	1.14	1.54	0.36	-3.86	0.06	-1.77	-0.9225	1.1575	-0.805	0.515595	0.360274	0.80096	1	0.99961	0.818449	
Rab6_Q5U5K5_S377s_1	-0.05	-0.33	-0.44	-0.18	0.81	-0.23	-0.43	-0.26	-0.75	-0.63	-0.27	-0.43	-0.26	-0.75	-0.63	-0.27	-0.43	-0.26	0.15	0.925471	0.450678	0.753885	1	0.99961	0.907601	
Rab6_Q5U5K5_S482s_1	-0.75	-0.49	-1.92	-1.13	-0.14	-0.31	-1.05	-0.5	0.56	0.2	-0.41	-0.04	-0.19	-0.38	0.15	-0.47	-0.4375	0.905	0.795	0.142338	0.411231	0.510782	1	0.99961	0.612726	
Rab6_Q5U5K5_S502s_1	0.01	-0.27	-0.11	-0.46	-0.4	0.01	-0.4	-0.48	0.07	0.32	0.16	0.07	-0.61	-0.3	-0.11	-0.17	-0.115	0.3625	-0.9	0.75075	0.655881	0.176498	1	0.99961	0.916776	
Rab22a_Q37N8S_S123s_1	-2.02	-0.27	-3.14	-1.91	-0.67	-1.07	-1.17	-1.9	-0.94	-0.91	-1.39	-3.63	-1.22	-0.63	-1.39	-0.67	-1.139	-0.1125	0.6325	0.301582	0.852404	0.631262	1	0.99961	0.714243	
Rab22a_Q37N8S_S123s_1	-1.02	-0.97	-1.03	-0.58	-0.92	-0.29	-1.37	-0.63	-0.29	-1.37	-0.63	-0.29	-1.37	-0.63	-0.29	-1.37	-0.63	-0.29	0.11	0.2519	0.03127	0.633034	0.688108	1	0.99961	0.474979
Rab22a_Q37N8S_S92s_1	-1.72	-1.02	0.01	-0.65	-0.92	-0.88	-0.46	-0.87	-0.75	-1.25	-0.41	-0.6	0	-0.12	-0.05	0.0625	0.0925	0.81	0.061353	0.871716	0.821983	1	0.99961	0.505955		
Rab23a_P5472S_S160s_1	-0.16	0.4	0.42	0.6	0.96	0.29	0.1	0.4	0.93	0.1	-0.26	0.91	1.42	0.31	0.89	0.59	0.1225	0.105	0.7375	0.045214	0.89939	0.76121	1	0.99961	0.476358	
Rab23a_P5472S_S160s_1	-0.07	-0.29	-0.27	-0.29	-0.27	-0.29	-0.27	-0.29	-0.27	-0.29	-0.27	-0.29	-0.27	-0.29	-0.27	-0.29	-0.27	-0.29	0.11	0.1115	0.740375	0.812534	0.7211	1	0.99961	0.907601
Rab23a_P5472S_T155s_1	0	-0.05	-0.48	-0.21	0.6	-0.36	-0.71	-0.4	-0.02	-0.55	-1.22	0.1	0.44	1.18	-1.44	-1	-0.0325	-0.2975	-0.37	0.460371	0.32799	0.828991	1	0.99961	0.751962	
Rab23a_P5472S_T155s_2	0.07	-0.29	-0.81	-0.09	-0.25	-0.26	-0.46	-1.38	-0.39	-0.81	-0.27	-1.36	-0.84	-0.4												

Rb1_P13405_52231_1	0.64	1.65	0.46	0.22	0.81	1.14	0.12	0.77	1.19	0.79	0.87	0.8	0.97	1.49	0.97	0.37	-0.025	0.17	0.2075	0.613729	0.93480	0.69512	1	0.99961	0.606066
Rb2_P13405_52231_1	-0.49	0.77	1.04	0.08	-0.57	0.81	0.49	0.09	0.75	0.11	1.17	0.81	1.08	1.55	0.71	0.145	0.335	0.6375	0.145014	0.718408	0.426894	0.99961	0.606066		
Rb3_P13405_52231_1	-0.77	-0.18	-0.39	-0.14	-0.34	-0.18	-0.41	-0.18	-0.41	-0.18	-0.41	-0.18	-0.41	-0.18	-0.41	-0.18	-0.41	-0.18	-0.41	-0.18	-0.41	0.99961	0.606066		
Rb1c1_EP9956_52613_1	-0.49	0.46	1.64	0.85	1.15	1.1	0.07	1.12	0.77	0.41	-0.32	0.47	-0.48	0.35	2.19	-1.77	-0.105	-0.7775	-0.1075	0.120121	0.703408	0.99961	0.606066		
Rb1c2_EP9956_52613_1	-1.95	-1.3	-1.16	-2.45	-2.08	-0.79	-2.56	-2.04	-1.62	-2.14	-1.49	-1.07	-2.11	-1.01	-2.36	-1.71	-0.1525	0.135	0.3925	0.675363	0.741928	0.729445	0.99961	0.770122	
Rb1c3_EP9956_52613_1	-0.2	-1.25	-1.82	-0.83	-0.82	-0.68	-0.38	-0.97	0.11	-0.23	-1.26	-1.16	0.22	-0.45	-1.78	-0.77	0.2125	0.235	0.2	0.67896	0.626884	0.687179	0.99961	0.887183	
Rb1c4_EP9956_52613_1	-0.2	-1.25	-1.82	-0.83	-0.82	-0.68	-0.38	-0.97	0.11	-0.23	-1.26	-1.16	0.22	-0.45	-1.78	-0.77	0.2125	0.235	0.2	0.67896	0.626884	0.687179	0.99961	0.887183	
Rb1c5_EP9956_52613_1	-1.42	-0.77	-0.34	-0.41	-0.42	-1.41	-0.47	-0.41	-0.34	-1.18	1.28	0.08	0.69	-2.05	0.13	-0.34	0.5755	0.695	0.3425	0.516281	0.875663	0.210974	0.99961	0.841038	
Rb1c6_EP9956_52613_1	-1.4	-0.94	-1.32	-1.05	-0.79	-1.38	-1.21	-1.34	-0.78	-1.16	-1.06	-1.66	-0.88	0.2	0.91	-0.42	-1.26	-0.005	0.0825	0.58	0.144791	0.929514	0.78414	0.99961	0.616037
Rb2_P04700_52646_1	0.82	1.01	0.56	0.85	0.75	0.23	0.66	0.77	0.46	1.06	0.89	1.18	0.64	0.92	1.19	1.18	-0.225	0.0875	0.725	0.502522	0.814148	0.75213	0.99961	0.836038	
Rb3_P04700_52646_1	0.24	1.19	0.24	1.19	0.24	1.19	0.24	1.19	0.24	1.19	0.24	1.19	0.24	1.19	0.24	1.19	0.24	1.19	0.24	1.19	0.24	1.19	0.99961	0.836038	
Rb2_P04700_52646_1	-0.11	3.32	2.35	1.7	3.47	2.85	2.53	1.92	3.24	0.58	3.48	2.7	2.63	2.18	2.93	1.02	0.6525	0.46	0.15	0.850236	0.704855	0.614133	0.99961	0.594525	
Rb1c10_EP9956_52646_1	0	1.2	1.63	0.74	0.72	0.58	0.52	1.16	0.9	0.74	1.29	1.35	1.04	1.33	1.23	1.33	-1.33	0.1475	0.1775	0.34	0.389322	0.704293	0.654006	0.99961	0.728621
Rb1c11_EP9956_52646_1	0.04	0.74	0.14	0.72	0.12	0.26	-0.07	0.47	1.3	0.73	0.1	0.58	1.12	1.09	1.47	-1.26	0.0825	0.15	0.21	0.48489	0.711056	0.74289	0.99961	0.656527	
Rb1c12_EP9956_52646_1	0.06	0.88	0.99	0.26	0.27	0.44	-0.06	0.54	0.69	0.66	0.83	1.2	1.08	0.93	1.32	-0.25	0.1625	0.585	0.094595	0.4353	0.596172	0.99961	0.558128		
Rb1c13_EP9956_52646_1	-0.21	1.03	1.47	1.24	0.55	0.59	0.36	0.92	0.84	0.93	2.06	2.51	0.59	0.81	1.63	1.8	-0.2775	0.7025	0	0.2849283	0.941149	0.201072	0.99961	0.81007	
Rb1c14_EP9956_52646_1	1.5	1.77	2.01	1.99	1.96	1.1	1.99	0.58	1.11	1.77	1.86	2.05	1.33	3.04	0.44	0.19	-1.18	-0.56	-0.5175	0.48234	0.759903	0.124602	0.99961	0.801587	
Rb1c15_EP9956_52646_1	1.43	1.67	1.83	1.88	1.87	1.08	1.07	1.08	1.07	1.1	1.28	1.03	1.01	1.26	1.36	1.34	-0.6075	-0.3975	-0.5	0.156579	0.331371	0.446584	0.99961	0.838833	
Rb1c16_EP9956_52646_1	1.09	1.2	0.22	0.02	1.07	1.31	0.15	0.29	2.18	0.62	1.71	0.23	-1.02	0.86	1.28	-1.18	-0.0025	-0.0525	-0.6475	0.318653	0.995465	0.93144	0.99961	0.72158	
Rb1c17_EP9956_52646_1	0.25	2.67	2.16	0.39	3.11	2.75	1.17	1.68	4	0.14	2.92	3.19	3.37	3.07	2.45	1.8	-1.005	1.39	1.5	0.0981	0.205792	0.127291	0.99961	0.50521	
Rb1c18_EP9956_52646_1	1.89	0.17	1.37	0.77	-1.34	0.84	1.54	0.05	0.55	1.46	0.05	-0.17	-1.06	1.31	2.34	-0.6075	-0.3975	-0.5	0.156579	0.331371	0.446584	0.99961	0.838833		
Rb1c19_EP9956_52646_1	-0.5	0.3	0.23	0.01	1.03	0.59	-0.74	-1.17	0.36	-0.33	0.64	-0.24	0.66	-0.55	0.66	0.38	-0.0025	-0.2225	0.2925	0.479463	0.873023	0.504416	0.99961	0.799827	
Rb1c20_EP9956_52646_1	0.25	1.36	1.47	0.38	0.24	0.26	-1.69	-2.7	0.54	0.09	-2.19	-0.55	0.65	0.55	1.4	-3.48	-1.025	-0.6575	-0.735	0.457418	0.199953	0.3853	0.99961	0.799827	
Rb1c21_EP9956_52646_1	0.2	-1.53	1.29	1.14	-1.44	-3.56	0.61	1.11	-1.29	-3.47	1.39	-1.68	-1.51	1.13	1.71	-1.095	-0.82	-0.3625	0.70011	0.131978	0.472566	0.99961	0.896612		
Rb1c22_EP9956_52646_1	1.22	-2.14	-0.83	-1.36	-2.81	-1.11	0.99	-0.59	0.23	0.14	0.04	-0.99	-2.72	-1.32	-1.49	-1.25	0.3	-1.345	0.090616	0.338215	0.751548	0.99961	0.577085		
Rb1c23_EP9956_52646_1	-1.89	-0.25	0.05	-1.24	-0.16	-0.31	-0.59	-0.87	-0.27	-2.22	-0.23	0.58	1.53	-0.86	-0.65	-1.38	0.3725	0.175	0.58311	0.404849	0.626688	0.99961	0.799827		
Rb1c24_EP9956_52646_1	-0.87	2.6	2.73	0.93	2.28	1.16	1.27	2.02	2.56	-0.41	2.59	2.99	3.33	1.62	2.87	1.64	0.485	1.075	0.17	0.239988	0.564814	0.561001	0.99961	0.680321	
Rb1c25_EP9956_52646_1	-0.8	0.71	0.3	0.48	0.65	0.33	0.3	0.48	0.65	0.33	0.3	0.48	0.65	0.33	0.48	0.65	0.33	0.48	0.65	0.33	0.48	0.65	0.99961	0.680321	
Rb1c26_EP9956_52646_1	-0.06	-0.07	-0.6	-0.19	-0.13	0.00	-0.01	0.05	-0.03	-0.24	-0.02	0.57	0.66	0.15	0.02	-0.21	-0.2225	-0.07	0.6375	0.325	0.381518	0.987088	0.640225	0.99961	0.791862
Rb1c27_EP9956_52646_1	0.69	2.1	1.94	0.98	1.15	1.22	0.47	1.39	1.51	1.67	1.37	1.84	1.58	2.68	1.7	2.09	-0.37	0.17	0.6525	0.345833	0.317184	0.695112	0.99961	0.735066	
Rb1c28_EP9956_52646_1	1.16	0.76	1.86	1.77	1.1	1.35	1.65	1.36	1.47	1.35	2.06	1.26	0.47	0.33	0.63	0.74	-0.37	-0.3125	-0.2125	-1.165	0.0121	0.388765	0.612089	0.99961	0.835092
Rb1c29_EP9956_52646_1	0.12	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.99961	0.835092	
Rb1c30_EP9956_52646_1	-0.09	1.03	1.08	0.53	-0.23	0.35	0.22	-0.71	1.42	0.86	0.82	1.04	1.12	0.4	1.56	1.07	0.37	0.3975	0.4	0.320273	0.731873	0.267737	0.99961	0.723684	
Rb1c31_EP9956_52646_1	0.32	1.68	2.46	1.21	0.73	1.58	1.31	1.4	1.32	1.33	2.12	1.99	1.28	0.93	2	2.45	-0.1625	0.2725	0.2475	0.642435	0.7264	0.570735	0.99961	0.871335	
Rb1c32_EP9956_52646_1	0.42	1.15	1.28	0.35	0.4	0.76	0.28	0.64	0.54	0.19	0.19	-0.16	-0.27	0.13	0.33	1.11	-0.28	-0.38	0.43	0.20779	0.502382	0.236383	0.99961	0.772817	
Rb1c33_EP9956_52646_1	0.19	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	0.99961	0.772817	
Rb1c34_EP9956_52646_1	0.56	0.48	-0.1	-0.32	0.25	0.8	0.7	0.54	0.05	0.29	0.48	0.93	1.76	0.72	0.43	0.61	0.065	0.2825	0.725	0.09188	0.861585	0.407289	0.99961	0.5757085	
Rb1c35_EP9956_52646_1	-2.07	2.85	4.99	2.25	2.58	2.14	2.81	3.08	2.75	-0.69	4.94	5.48	1.83	2.51	5.06	0.9	0.6475	1.115	0.57	0.095569	0.601295	0.523093	0.99961	0.895676	
Rb1c36_EP9956_52646_1	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	0.99961	0.895676	
Rb1c37_EP9956_52646_1	-0.44	1.4	1.45	0.06	1.3	1.39	0.4	1.13	1.46	-2.22	1.42	1.89	1.91	1.41	1.79	1.14	0.3875	0.47	0.895	0.103757	0.505075	0.457014	0.99961	0.567918	
Rb1c38_EP9956_52646_1	1.11	1.46	1.7	-0.13	0.66	1.43	0.35	0.57	1.46	1.63	0.97	0.83	2.19	1.83	0.97	1.64	-0.2825	0.1875	0.0225	0.205925	0.506905	0.673729	0.99961	0.6605	
Rb1c39_EP9956_52646_1	0.42	0.79	0.95	0.31	0.45	0.13	-0.1	0.5	1.21	1.2	0.75	0.44	0.3	0.58	0.99	0.19	-0.475	0.2825	-0.025	0.748147	0.131496	0.717121	0.99961	0.911911	
Rb1c40_EP9956_52646_1	0.54	1.34	1.44	0.34	0.44	0.34	0.44	0.34	0.44	0.34	0.44	0.34	0.44	0.34	0.44	0.34	0.44	0.34	0.44	0.34	0.44	0.34	0.99961	0.911911	
Rb1c41_EP9956_52646_1	1.55	0.22	1.24	1.59	0.72	1.22	1.33	1.63	0.81	1.98	1.82	1.14	0.17	0.53	1.27	1.2	0.75	0.2875	-0.3575	0.410235	0.814951	0.503612	0.99961	0.767934	
Rb1c42_EP9956_52646_1	0.81	0.57	1.06	0.6	0.17	0.51	0.6	0.14	1.11	1.36	0.68	0.87	0.93	0.5	0.58	0.405	0.58	0.405	0.58	0.405	0.58	0.405	0.99961	0.767934	
Rb1c43_EP9956_52646_1	-0.53	-0.63	-0.68	0.16	0.01	-0.22	-0.39	0.28	-0.09	-0.27	0.23	0.88	0.25	0.88	0.25	0.88	0.25	0.88	0.25	0.88	0.25	0.88	0.99961	0.627282	
Rb1c44_EP9956_52646_1	-1.03	-0.1	-0.19	0.13	0.23	0.13	0.23	0.13	0.23	0.13	0.23	0.13	0.23	0.13	0.23	0.13	0.23	0.13	0.23	0.13	0.23	0.13	0.99961	0.627282	
Rb1c45_EP9956_52646_1	0.3	0.69	0.92	-0.48	0.97	0.49	1.66	0.76	0.47	0.64	2.27	2.37	1.71	0.39	1.56	-0.4025	0.1885	0.24	0.095876	0.14584					

Rim2_00V951_54323_1	-0.68	-1.1	-0.11	-0.96	-1.02	-0.83	0.13	-0.79	-0.61	-0.76	-0.26	-0.23	0.05	-0.26	-0.72	-1.18	0.085	0.2475	-0.005	0.870092	0.814064	0.442376	1	0.999631	0.958441
Rim2_00V951_54329_1	-0.21	-0.06	-0.55	-0.51	-0.23	0.23	-0.44	-0.55	-0.51	-0.21	-0.73	-1.14	-0.34	-0.13	-1.11	-0.14	0.085	0.21	-0.0725	0.828412	0.766136	0.504275	1	0.999631	0.941135
Rim2_00V951_54433_1	0.26	0.14	0.14	0.26	0.46	0.36	0.26	0.14	0.14	0.26	0.14	0.26	0.14	0.26	0.14	0.26	0.14	0.26	0.14	0.26	0.14	0.26	0.14	0.26	0.14
Rim2_00V951_54935_1	-0.33	-0.46	-1.53	-0.57	-1.69	-1.39	-0.78	-1.04	-1.39	-0.84	-2.2	-2	-2.22	-2	-2	-2	-2.18	0.015	0.7925	0.285459	0.884239	0.76502	1	0.999631	0.705851
Rim2_00V951_71114_1	0.07	-0.85	-0.01	-0.62	-0.69	0.15	-0.29	-0.21	-1.34	-0.05	-0.46	-0.62	-0.36	0.31	0.12	-0.22	-0.0075	-0.29	0.365	0.311385	0.880892	0.445326	1	0.999631	0.70204
Rim3_080U57_5231_1	0.02	-1	-0.01	-0.1	-0.28	0.69	0.15	-0.28	0.69	0.15	-0.28	0.69	0.15	-0.28	0.69	0.15	-0.28	0.69	0.15	0.28	0.69	0.15	0.28	0.69	0.15
Rim3_080U57_52979_1	-0.37	-0.47	-0.01	-0.66	0.32	0.1	-0.67	-0.37	-0.46	-0.22	-0.6	0.09	1.36	0.13	0	-0.12	-0.0215	-0.155	0.485	0.274471	0.97201	0.64552	1	0.999631	0.719191
Rim4_060U91_52575_1	-1.02	-0.82	-0.64	-0.36	-0.27	-1.11	-0.51	0	-0.53	-1.87	-0.04	0.63	-0.62	-0.94	-0.8	0.2	0.2375	0.2575	0.17	0.632859	0.466951	0.61928	1	0.999631	0.865998
Rim4_060U91_52586_1	0.84	-0.65	-1.03	-0.83	1.68	0.33	-0.48	-0.75	-0.42	-0.86	0	-0.86	-0.08	-0.29	0.03	0.8025	-0.2975	-0.3025	0.53524	0.55984	0.63995	0.5	1	0.999631	0.873797
Rim1_0291207_52466_1	0.66	0.8	0.1	0.34	0.26	0.38	0.68	0.04	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	0.8425	0.342521	0.873883	0.548670	1	0.999631	0.641705
Rim1_0291207_52800_1	2.53	0.54	0.47	2.47	1.38	1.12	2.52	1.05	1.36	1.32	1.82	1.26	-1.66	-1.15	0.22	0.86	-0.015	-0.0625	-1.685	0.034048	0.980185	0.79068	1	0.999631	0.446273
Rim1_0291207_52400_1	-0.13	0.21	0.75	0.42	0.61	0.85	0.08	0.7	1	0.21	0.75	0.63	1.15	1.54	1.22	0.88	-0.0025	-0.11	0.6375	0.101704	0.994731	0.62485	1	0.999631	0.564448
Rim1_0291207_52446_1	0.13	-0.22	0.02	0.48	0.5	-0.21	0.63	-0.12	0.52	-0.47	-0.37	-0.47	-0.37	-0.47	-0.37	-0.47	-0.37	-0.47	-0.115	0.777058	0.16	0.251902	1	0.999631	0.521382
Rim1_0291207_55900_1	-0.21	0.12	-0.86	-0.07	-0.2	-0.1	-0.42	0	-0.29	-0.2	-0.39	-0.75	-0.38	-0.28	0.03	0.4	0.175	-0.1525	0.2275	0.439442	0.571493	0.62611	1	0.999631	0.80955
Rim1_0291207_7195_1	-0.26	-0.58	-1.36	-0.01	-0.25	-0.44	-0.49	-0.16	-1.23	-1.11	-0.13	-0.75	-0.67	-0.33	-0.96	-0.75	0.2175	-0.2525	-0.125	0.737301	0.525808	0.529343	1	0.999631	0.907462
Rim1_0357300_52198_1	-0.7	0.57	0.19	-0.06	-0.03	-0.18	0.1	0.14	-0.4	-0.01	-0.91	0.84	0.09	0.17	1.07	1.29	0.0075	-0.17	0.655	0.142222	0.883441	0.737959	1	0.999631	0.612726
Rim2_0580U1_5386_1	-0.48	-0.19	-0.05	0.22	0.21	-0.36	-0.21	0.36	-0.25	-0.02	-0.47	0.45	0.28	0.58	0.17	0.04	-0.125	0.34	0.263231	0.888749	0.68405	1	0.999631	0.693034	
Rim2_0580U1_53179_1	0.14	0.59	0.58	0.16	0.71	0.88	-1.1	-1.32	0.59	0.34	-0.09	-0.06	0.84	1.38	0.64	1.59	-0.0575	-0.1725	0.745	0.40357	0.30716	0.557446	1	0.999631	0.475443
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1	0.11	1.33	2.47	0.06	-1.09	-1.59	0.24	0.21	0.21	0.24	1.67	0.24	0.78	1.98	0.37	0.61	1.31	-0.75	-0.215	0.7052979	0.296434	0.719823	1	0.999631	0.968183
Rim2_0580U1_53182_1																									

Samd1d_C8K070_S260v_1	-0.36	-0.58	0.43	-0.62	-1.99	0.41	-0.13	0.05	-0.43	1.02	-1.2	0.17	1.54	-0.79	0.81	-0.94	-0.2335	0.1725	0.4375	0.70405	0.807723	0.715194	1	0.999631	0.797463	
Samd1d_C8K070_S275v_1	0.13	0.62	0.28	0.42	1.29	1.35	0.5	1.1	1.91	1.36	0.46	0.15	0.67	2.31	0.62	0.3	0.6975	0.8075	0.6125	0.522468	0.03534	0.713802	1	0.999631	0.650602	
Samd1d_C8K407_S271v_1	-0.04	0.04	0.02	-0.15	-0.75	-0.15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-0.01	0.536881	0.822663	0.538113	0.71	1	0.999631	0.681364		
Samd1d_D6E819_S15v_1	1.32	0.47	-1.3	1.65	1.66	0.74	0.99	1.65	0.93	0.12	1.22	0	0.08	0	0.01	0.02	0.75	0.0275	0.572565	0.288388	0.960204	1	0.999631	0.821224		
Samd1p_13K0K5_S274v_1	0.3	-0.09	-1.53	-2	-0.28	-0.43	-0.31	-0.4	-0.57	0.42	-1.8	-1.03	-0.06	-0.26	-1.24	-0.97	0.625	0.235	0.3475	0.54795	0.213904	0.706146	1	0.999631	0.822727	
Samd1p_C0P051_S148v_1	-1.01	-1.4	-0.1	-1.24	-1.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.10405	0.526239	0.064712	1	0.999631	0.822812		
Samd1p_C0P051_S558v_1	0.23	-0.72	-0.39	-0.7	-0.32	-0.14	-0.1	-0.73	-0.38	0.47	-0.05	-0.06	-1	0.04	-0.09	0.27	0.725	0.39	0.2	0.608148	0.818368	0.558822	1	0.999631	0.858527	
Samd1p_C0P051_S572v_1	-1.11	-1.18	-0.91	-1.62	-0.09	-1.3	-0.85	-1.49	0.18	-0.8	0.3	1.52	-0.11	-0.29	-0.5	-0.48	0.2725	1.505	0.86	0.013719	0.463076	0.010243	1	0.999631	0.385092	
Samd1p_F8VK05_S1020v_1	0.73	0.16	0.31	0	0.57	0.25	0.32	0.58	1.04	0.58	0.68	0.01	-0.06	0.54	0.7	0.08	0.1735	0.1975	0.548802	0.042499	0.338857	1	0.999631	0.835204		
Samd1p_F8VK05_S241v_1	1.02	1.3	1.57	0.75	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-1.05	0.034342	0.128439	0.624947	1	0.999631	0.444504			
Samd1p_F8VK05_S500v_1	-0.49	-1.12	-0.89	-0.29	-0.92	-0.31	-0.09	-0.25	-0.44	0.01	-0.68	-0.28	-0.11	-0.31	-0.41	-0.05	0.35	0.4775	0.141188	0.297766	0.710663	1	0.999631	0.612545		
Samd1p_F8VK05_S723v_1	-0.8	0.52	0.98	0.62	0.85	0.17	0.65	0.16	1.2	-2.77	-1.13	0.16	0.74	-0.57	0.81	1.59	0.1275	-0.965	0.2275	0.620409	0.762718	0.588665	1	0.999631	0.894017	
Samd1p_F8VK05_S805v_1	-0.5	0.2	1.16	1.77	0.94	2.59	1.69	1.62	1.16	1.27	1.67	1.37	1.2	1.1	1.68	1.77	0.1235	0.3	0.91	0.082697	0.804119	0.762718	1	0.999631	0.546823	
Samd1p_F8VK05_S729v_1	0.07	-0.24	-1.39	-0.12	0.56	0.49	0.33	0.72	0.47	0.36	0.78	-0.07	-1.27	0.34	0.47	0.77	0.945	0.57	0.4975	0.359306	0.024721	0.202393	1	0.999631	0.741182	
Samd1p_E9P8V7_S669v_1	1.18	1.45	1.31	0.83	0.57	0.34	0.27	1.56	0.49	1.08	1.16	1.54	0.66	1.71	0.77	1.74	-0.5075	-0.125	-0.2225	0.527332	0.173868	0.694093	1	0.999631	0.824554	
Samd2_H3B0H3_S13v_1	0.79	2.09	2.05	1.24	1.15	1.09	0.93	1.67	1.44	0.99	1.49	1.56	1.44	1.47	1.78	1.9	-0.3075	-0.1725	0.335	0.936207	0.471913	0.643397	1	0.999631	0.752801	
Samd2_H3B0H3_S15v_1	1.14	1.4	1.74	1.85	1.31	0.31	0.74	1.95	1.67	1.86	2.03	2.87	0.32	1.71	2.99	2.09	-0.4475	0.5825	0.2525	0.641761	0.274424	0.115497	1	0.999631	0.871333	
Samd2_H3B0H3_S17v_1	0.86	2.09	1.86	1.21	1.09	1.63	1.27	1.49	1.56	1.73	1.52	1.61	1.16	1.82	1.79	1.94	-0.135	0.1	0.1725	0.646594	0.694291	0.766503	1	0.999631	0.787481	
Samd2_H3B0H3_S7v_1	1.14	1.4	1.71	1.85	1.31	0.31	0.74	1.95	1.67	1.86	2.03	2.87	0.32	1.71	2.99	2.09	-0.4475	0.5825	0.2525	0.641761	0.274424	0.115497	1	0.999631	0.871335	
Samd1p_C0P051_S148v_1	0.57	-0.1	-0.1	-1.06	0.03	0.74	0.64	0.22	-0.1	0.5	0.49	0.48	-0.51	0.58	-1.05	-0.08	-0.125	-0.19	0.620027	0.826262	0.738151	1	0.999631	0.909095		
SMD1_G0ZP2_S2141v_1	0.18	1.38	0.64	0.41	0.71	1.11	1.11	0.56	1.01	0.6	0.79	0.42	0.51	0.89	0.54	0.69	-0.03	0.0525	0.0958247	0.93304	0.876131	1	0.999631	0.909095		
SMD1_G0ZP2_S2128v_1	-0.45	0.7	-1.36	-0.15	0.35	-0.08	0.32	0	-0.01	-1.17	0.53	-0.2	-0.83	-0.56	-0.89	-0.22	0.4625	-0.1025	-0.31	0.495056	0.297599	0.843705	1	0.999631	0.812021	
SMD1_G0ZP2_S2146v_1	-0.33	-0.73	-1.28	1.96	-0.48	-1.29	0.42	1.42	-1.05	-1.73	0.61	1.05	0.21	-0.51	1.33	1.05	0.3625	0.06	0.81	0.317252	0.691508	0.945455	1	0.999631	0.707749	
SMD1_G0ZP2_S2559v_1	-0.39	1.01	1.7	0.16	0	1.22	0.49	1.04	0.57	1.59	0.43	1.52	0.4	1.67	0.86	0.0675	0.2	0.4925	0.533316	0.893257	0.677177	1	0.999631	0.729409		
SMD1_G0ZP2_S2113v_1	-0.19	1.57	0.25	0.63	-0.33	-1.47	0.55	1.52	0.2	-0.13	2.02	-0.73	0.08	1.98	0.32	0.92	-0.0125	-0.475	0.01	0.985146	0.981489	0.463377	1	0.999631	0.995133	
SMD1_G0ZP2_S2181v_1	-0.25	-0.82	0.96	0.06	-0.35	0.05	-0.07	0	0.11	0.11	1	-0.05	0.78	0.43	0.25	-0.105	0.33	0.365	0.399818	0.878008	0.746705	1	0.999631	0.761093		
SMD1_G0ZP2_S2107v_1	0.27	0.4	-0.12	-0.42	-0.59	0.09	-0.07	0.78	-1.17	0.48	-0.18	-0.46	-1.26	0.5	-0.3375	0.1675	0.791023	0.538881	0.924718	1	1	0.999631	0.924718			
SMD1_OSU43C_S240v_1	-1.12	-0.26	-0.63	-1.97	-0.27	-0.92	-0.88	-1.46	-0.81	-1.72	-1.59	-0.94	0.19	-0.35	-1.63	-1.68	0.1125	0.27	0.1275	0.818033	0.795276	0.536754	1	0.999631	0.938203	
SMD1_OSU43C_S491v_1	1.08	1.13	1.31	0.9	0.83	0.68	0.66	1.25	1.17	1.37	1.02	0.63	-0.41	1.04	1.01	1.21	-0.25	0.005	-0.3925	0.346094	0.352691	0.985802	1	0.999631	0.735175	
SMD1_OSU43C_S491v_2	-0.21	0.77	1.2	0.41	0.42	0.44	0.29	0.84	0.21	0.47	0.75	0.32	0.07	0.5	0.44	0.6	-0.045	-0.105	-0.14	0.702809	0.897738	0.768412	1	0.999631	0.898657	
SMD1_OSU43C_S491v_3	-0.47	1.5	0.84	-0.27	-1.54	-0.44	-1.57	-2.66	-1.32	-1.82	1.41	-2.51	-0.44	-2.17	0.4	0.64	-0.36025	0.1616	0.13	0.69347	0.819347	0.768412	1	0.999631	0.898657	
SMD1_OSU43C_S491v_3	-0.21	0.77	1.2	0.41	0.42	0.44	0.29	0.84	0.21	0.47	0.75	0.32	0.07	0.5	0.44	0.6	-0.045	-0.105	-0.14	0.702809	0.897738	0.768412	1	0.999631	0.898657	
SMD1_OSU43C_S577v_2	-0.39	-0.75	0.72	-0.69	-0.01	0.78	0.51	-0.4	0.13	-1.19	-0.97	-0.82	-1.93	-0.21	-1.12	0.1075	-0.3375	-0.7425	0.145474	0.578485	0.454987	1	0.999631	0.616744		
SMD1_OSU43C_S577v_2	-0.75	0.72	-0.69	-0.01	0.78	0.51	-0.4	0.13	-1.19	-0.97	-0.82	-1.93	-0.21	-1.12	0.1075	-0.3375	-0.7425	0.145474	0.578485	0.454987	1	0.999631	0.616744			
SMD1_OSU43C_S582v_1	-0.36	-0.41	0.09	-0.74	-0.74	-0.57	-0.81	-0.33	-0.12	-0.11	-0.59	-0.16	-0.49	0.31	0.06	-0.21	-0.2975	-0.005	0.3125	0.381386	0.48008	0.776649	1	0.999631	0.754425	
SMD1_OSU43C_S912v_1	0.12	-0.68	3.21	-0.07	0.4	0.67	1.69	3.07	0.9	0.55	3.44	3.66	1.12	0.88	0.42	3.71	0.4725	1.1525	1.4475	0.156498	0.578485	0.250867	1	0.999631	0.624522	
SMD1_OSU43C_S912v_1	-1.58	-2.14	-1.47	-1.07	-2.31	-2.12	-1.83	-2.2	-1.99	-2	-1.34	-1.86	-1.04	-1.73	-1.48	-1.54	-0.1825	0.2675	0.913435	0.167225	0.780251	1	0.999631	0.758091		
SMD1_OSU43C_S912v_1	-0.39	-0.99	0.33	0.56	0.33	0.74	0.6	0.83	1.08	0.5	0.24	1.12	0.58	0.24	1.12	0.58	0.24	1.12	0.58	0.24	1.12	0.58	1	0.999631	0.758091	
SMD1_E9P2M7_S857v_1	0.02	-0.13	-0.29	0.37	-0.06	-0.58	-0.19	-0.32	0.16	0.66	-0.22	0.28	0.6	0.1	0.05	0.14	-0.28	0.2275	0.16	0.605728	0.314838	0.45964	1	0.999631	0.85817	
SMD1_E9P2M7_S859v_1	-0.03	-0.77	0.14	-0.06	0.01	0.68	-0.27	-0.19	0.05	-0.32	-0.13	-0.36	0.35	-0.26	-0.92	-0.42	-0.1025	-0.035	0.0775	0.845446	0.738801	0.905664	1	0.999631	0.945655	
SMD1_07758v_S154v_1	0.22	0.6	1.48	0.47	0.51	0.56	0.19	0.41	0.62	0.31	0.47	0.83	0.79	1.08	0.29	1.07	0.7275	-0.135	0.2675	0.444502	0.411194	0.692973	1	0.999631	0.782035	
Scar_B0R0E1_S01v_1	-0.17	-1.17	-1.22	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.34	0.50461	0.917023	0.537316	1	0.999631	0.814292	
Scar_B0R0E1_S21v_1	0.9	0	0.72	-0.28	0.16	-0.42	-0.2	-0.74	0.16	1.13	-0.94	-0.32	0.02	-0.4	-0.76	-0.27	-0.275	0.0325	0.247296	0.493647	0.930188	1	0.999631	0.773293		
Scamp1_C0K021_S1512v_1	-0.52	-0.55	-0.2	-0.82	-0.14	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.2475	0.604547	0.292282	0.131687	1	0.999631	0.773293
Scamp1_C0K021_S595v_1	-0.15	-0.58	-0.87	-0.56	-0.68	-0.34	-1.04	-0.3	-0.31	-0.35	-1.27	-1.62	-0.33	-0.35	-0.64	-1.14	-0.005	-0.3475	-4.96	1	1	0.865312	0.741291	1	0.999631	1
Scamp1_C0K021_S500v_1	1.69	0.68	1.37	1.23	0.61	1.26	1.18	1.24	0.2	1.62	0.6	0.03	0.05	1.82	0.6	-0.08	0.075	-0.63	-0.67	0.182822	0.983757	0.155516	1	0.999631	0.643861	
Scamp1_C0K021_T45v_1	1.5	0.4	0.89	0.58	0.13	1.26	0.78	0.69	0.21	1.37	0.11	-0.53	-0.21	0.41	0.33	0.09	-0.1275	-0.5475	-0.6875	0.609769	0.762313	0.558466	1	0.999631	0.521762	
Scamp1_C0K021_S578v_1	-0.86	-0.86	-0.6	-0.6																						

Sen3_091WC0_S213_1	-0.32	0.32	0.2	-0.19	0.12	1.28	0.05	-0.29	1.06	1.1	-0.2	0.21	1.63	0.83	0.37	-0.47	0.2875	0.54	0.5875	0.220179	0.462376	0.176355	1	0.99961	0.607099
Sen3_091WC0_S213_1	-1.34	0.57	0.78	0.26	0.2	-0.63	-0.32	0.68	-0.42	0.28	1.02	0.89	-0.21	0.26	0.22	0.76	-0.085	0.375	0.19	0.70426	0.870362	0.484077	1	0.99961	0.897149
Sen1_091VW4_S46_1	0.81	1.2	0.63	0.61	0.27	0.68	0.1	-0.45	0.8	0.81	1.22	0.13	0.03	0.31	0.47	0.1	-0.2825	0.457979	0.507786	0.37602	0.47602	1	0.99961	0.848458	
Sen1_091VW4_S46_1	-0.007	0.81	1.23	0.61	-0.03	0.22	0.5	0.92	-0.8	0.2	1.22	0.56	0.15	0.03	0.37	0.9	-0.2425	0.457979	0.507786	0.37602	0.47602	1	0.99961	0.870041	
SFB1_099989_S129_1	0.79	0.38	0.46	-0.27	0.26	-0.04	0.13	0.67	0.25	0.51	0.45	0.09	0.39	0.75	0.15	0.82	-0.22	0.15	0.0925	0.860879	0.43155	0.574675	1	0.99961	0.950446
SFB1_099989_S129_1	-0.46	-1.1	-0.66	-1.1	-0.66	-1.1	-0.66	-1.1	-0.66	-1.1	-0.66	-1.1	-0.66	-1.1	-0.66	-1.1	-0.66	-1.1	0.35	0.08281	0.362395	0.251818	1	0.99961	0.950446
SFB1_099989_S129_1	-1.53	-0.94	-0.36	-0.51	-2.55	-1.56	-0.3	-1.15	-2	-0.91	-1.19	-1.05	-3.09	-1.14	-0.38	-1.24	-0.555	-0.425	-0.6275	0.294429	0.285167	0.285167	1	0.99961	0.706293
SFB1_099989_S129_1	0.06	0.24	0.62	0.44	-0.25	0.61	-0.11	-0.88	-0.23	0.37	0.64	-1.02	-0.3	0.73	-0.91	-0.15	-0.2775	-0.18	-0.2775	0.515162	0.479722	0.675846	1	0.99961	0.817687
SFB1_099989_S129_1	1.05	-1.38	-1.18	-0.87	0.61	0.52	0.06	-0.67	-0.58	-0.48	-1.19	-1.23	-0.3	0.18	-1.79	-1.49	-0.75	-0.035	-0.595	0.3385	0.398848	0.952069	1	0.99961	0.716164
SFB1_099989_S129_1	0.33	1.64	0.67	0.61	0.27	0.68	0.1	-0.45	0.8	0.81	1.22	0.13	0.03	0.31	0.47	0.1	-0.2825	0.457979	0.507786	0.37602	0.47602	1	0.99961	0.848458	
SFB1_099989_S129_1	-0.69	-2.75	-1.53	-1.78	-3.64	-2.27	-0.64	-1.17	-1.06	-1.82	-1.76	-2.11	-2.18	-1.95	-2.88	-1.38	-0.375	-0.5	-0.4	0.424219	0.51955	0.253239	1	0.99961	0.673393
SFB1_099989_S129_1	1.78	-1.15	-0.45	-0.4	-1.35	0.36	0.23	-0.17	-1.19	1.01	-0.8	-1.02	-1.71	-1.47	-0.51	-0.32	-0.175	-0.445	-0.9475	0.161472	0.789258	0.541885	1	0.99961	0.729279
SFB1_099989_S129_1	0.08	1.9	0.2	-0.27	1.48	-0.21	0.2	1.24	0.86	0.66	1.99	0.67	0.47	0.27	0.22	0.09	-0.46	0.27	0.22	0.50249	0.708577	0.200749	1	0.99961	0.826461
SFB1_099989_S129_1	0.11	0.45	0.55	0.13	0.22	-0.46	0.34	0.56	0.14	0.15	-0.5	0.1	0.72	-0.6	-0.57	-0.29	-0.08	-0.3425	-0.4	0.279593	0.802038	0.263868	1	0.99961	0.701017
SFB1_099989_S129_1	1.36	2.44	1.02	1.32	0.63	0.75	0.2	1.79	0.36	1.34	1.24	0.53	1.63	2.53	0.28	1.4	-0.6925	-0.6675	-0.075	0.886469	0.143544	0.125396	1	0.99961	0.963505
SH_070456_S46_1	0.09	0.85	0.85	0.45	0.07	0.67	0.25	0.47	0.16	0.17	0.17	0.58	0.06	0.74	1.52	1.27	-0.145	0.14	0.5225	0.145229	0.612074	0.603017	1	0.99961	0.610322
SH_070456_S46_1	0.19	0.89	1.35	1.45	1.43	0.67	1.78	0.12	0.05	1.94	0.55	-0.23	0.04	-0.22	0.53	0	0.805	-0.8225	-1.3075	0.009011	0.152362	0.162884	1	0.99961	0.366231
SH_088077_S67_1	0.79	1.36	1.68	0.9	0.71	1.1	0.3	1.25	1.08	1.55	1.1	1.55	1.33	1.6	1.02	1.57	-0.2435	0.1375	0.1975	0.547194	0.320031	0.660739	1	0.99961	0.778882
SH_088077_S67_1	0.78	1.71	1.48	1.41	1.03	1.15	0.79	1.32	1.3	1.28	1.41	1.65	1.04	1.65	1.87	1.9	-0.2725	0.065	0.27	0.436668	0.366746	0.826402	1	0.99961	0.788882
SH_088077_S67_1	0.29	0.89	2.19	2.45	1.1	0.34	1.9	1.93	0.82	1.4	1.25	2.25	1.65	0.34	0.96	1.3	-0.225	0.04	0.3775	0.615541	0.425088	0.916583	1	0.99961	0.865989
SH_088077_S67_1	2	0.76	1.44	0.9	0.36	0.84	1.46	0.46	1.4	1.92	0.71	0.28	0.11	0.5	0.38	0.03	-0.495	-1.975	-1.02	0.01572	0.220376	0.663028	1	0.99961	0.378823
SH_088077_S67_1	0.11	0.21	2.6	0.67	-0.82	0.26	0.33	0.05	-0.56	0.65	1.63	1.09	0.76	-1.07	1.46	0.45	-0.1425	-0.195	-0.4975	0.482487	0.882279	0.70372	1	0.99961	0.820287
SH_088077_S67_1	2.6	0.83	1.33	2.27	1.34	1.62	2.59	1.62	1.79	2.22	1.56	0.5	-0.21	1.02	1.65	0.08	0.035	-0.4	-0.9725	0.91033	0.940581	0.643974	1	0.99961	0.557085
SH_088077_S67_1	-1	1.09	-1.16	0.46	0.45	1.02	-0.37	0.04	0.72	0.17	0.24	0.34	0.34	0.67	0.53	0.1	-0.0375	-0.045	0.9	0.804486	0.927006	0.988619	1	0.99961	0.914231
SH_088077_S67_1	0.07	1.99	1.48	1.74	1.2	2.21	1.19	1.77	1.1	1.47	1.15	0.72	1.19	1.39	2.04	2.775	0.2025	0.365	0.464149	0.549008	0.641842	1	0.99961	0.793831	
SH_088077_S67_1	-1.36	-1.4	0.79	-1.27	0.03	-1.82	1.51	-1.53	-1.84	-0.87	-0.13	-0.49	0.08	-2.02	-1.94	-1.56	-0.875	-0.05	0.952967	0.393968	0.657944	1	0.99961	0.984317	
SH_088077_S67_1	-1.15	-0.4	0.09	-1.83	2.03	1.27	1.31	1.77	0.57	0.8	0.74	0.24	-2.84	-0.02	-0.58	-0.525	0.26	0.635	0.120928	0.132679	0.52087	1	0.99961	0.659252	
SH_088077_S67_1	-0.5	0.52	0.39	-0.38	0.05	-0.15	-0.68	-0.16	-0.13	-0.42	-0.09	0.15	-0.67	0.08	-0.14	0.11	-0.2425	-0.13	0.1725	0.635134	0.480096	0.698858	1	0.99961	0.869044
SH_088077_S67_1	0.36	2.3	2.6	0.67	0.64	1.95	0.33	0.05	1.37	1.63	1.63	1.09	2.64	0.48	1.46	0.45	-0.06	-0.0525	-0.225	0.74204	0.94254	0.922461	1	0.99961	0.909328
SH_088077_S67_1	-0.38	1.13	1.04	-0.63	-0.3	0.64	2.23	-1.38	0.17	0.34	-0.27	-0.51	1.32	-0.38	-0.05	-1.1	0.0075	-0.2225	-0.46	0.52038	0.919234	0.465652	1	0.99961	0.847567
SH_088077_S67_1	-1.66	-1.12	-0.95	-1.57	-0.84	-0.75	-1.17	-1.48	-1.76	-1.99	-0.69	1.23	-1.75	-3.61	-1.39	-0.22	-0.115	-0.9	0.986327	0.61448	0.743938	1	0.99961	0.919135	
SH_088077_S67_1	-1.12	-1.42	-2.34	-1.91	-0.58	-0.98	-0.2	-3.28	-0.96	-1.05	-3.51	-1.81	-0.5	-0.94	-4.52	-2.67	-0.375	-0.135	-0.46	0.581954	0.513128	0.819919	1	0.99961	0.847567
SH_088077_S67_1	0.02	3.35	2.35	0.48	0.97	2.41	3.24	1.88	5.17	-0.11	3.99	5.31	5.34	1.46	2.06	1.13	1.575	2.04	0.9475	0.381319	0.103712	0.813626	1	0.99961	0.752924
SH_088077_S67_1	0.29	0.53	0.78	1.48	1.73	1.27	1.31	1.77	0.57	0.8	0.74	0.24	-2.84	-0.02	-0.58	-0.525	0.26	0.635	0.120928	0.132679	0.52087	1	0.99961	0.659252	
SH_088077_S67_1	-0.83	-0.34	2.05	-0.49	1.52	1.54	-0.24	0.08	1.7	-0.35	0.14	0.55	1.9	1.35	0.39	0.18	0.3725	0.1125	0.575	0.467966	0.635447	0.879101	1	0.99961	0.786511
SH_088077_S67_1	-1.06	-0.27	-0.29	-1	-1.72	-1.63	-0.7	-0.43	-1.65	-1.61	0.15	-0.09	-1.19	-0.45	0.33	-1.18	-0.015	0.305	0.4825	0.341283	0.974394	0.588072	1	0.99961	0.731644
SH_088077_S67_1	0.42	0.89	-0.14	0.16	-0.72	0.59	-0.52	-0.3	-0.45	-0.2	0.54	-0.68	-0.33	-0.79	-0.43	0.08	-0.865	-0.8	0.7	0.064871	0.015348	0.025645	1	0.99961	0.515889
SH_088077_S67_1	0.29	0.89	2.19	2.45	1.1	0.34	1.9	1.93	0.82	1.4	1.25	2.25	1.65	0.34	0.96	1.3	-0.225	0.04	0.3775	0.615541	0.425088	0.916583	1	0.99961	0.865989
SH_088077_S67_1	0.41	-0.36	0.02	-0.07	-1.72	-0.3	-0.3	-1.02	-1.7	-1.96	-0.55	-0.45	0.04	-1.36	-1.63	-0.22	-0.835	-1.165	-0.7925	0.989575	0.052851	0.019331	1	0.99961	0.562298
SH_088077_S67_1	-0.37	-0.56	1.83	-2.22	-1.14	0.35	-1.88	-1.85	-1.12	0.31	-2.21	-2.47	-0.12	-1.1	-1.95	-2.41	-0.06	-0.1275	-0.1525	0.805068	0.911233	0.85471	1	0.99961	0.934299
SH_088077_S67_1	0.16	0.2	0.7	-0.19	-0.22	0.45	-0.08	0.41	-0.3	0.5	0.02	0.29	0.72	-0.01	0.65	0.61	-0.285	-0.09	0.125	0.70625	0.373205	0.776544	1	0.99961	0.899927
SH_088077_S67_1	0	-0.08	0.5	-0.1	0.4	0.18	-0.08	0.41	-0.3	0.5	0.02	0.29	0.72	-0.01	0.65	0.61	-0.285	-0.09	0.125	0.70625	0.373205	0.776544	1	0.99961	0.899927
SH_088077_S67_1	-0.58	-0.14	-0.24	-0.8	-0.38	-0.38	-0.83	-0.68	-0.44	-0.37	-0.86	-0.43	-0.04	-0.01	-0.55	-0.08	-0.1275	-0.085	0.275	0.37898	0.645326	0.764455	1	0.99961	0.747035
SH_088077_S67_1	-0.71	-1.6	-0.48	-0.23	-1.19	0.92	-1.48	-1.17	-0.67	-1.17	-1.84	-0.95	0.55	-0.55	-1.02	-1	-1.185	0.0975	0.5	0.278679	0.570476	0.821081	1	0.99961	0.709086
SH_088077_S67_1	0.2	1.05	1.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.225	0.584504	0.291821	0.40291	1	0.99961	0.919135
SH_088077_S67_1	-0.89	-0.26	-2.19	-2.93	-1.71	-2.01	-2.26	-2.6	-2.11	-1.89	-3.32	-2.66	-0.91	-1	-2.99	-2.68	-1.275	-0.4775	-0.1225	0.848484	0.757957	0.932678	1	0.99961	0.494558
SH_088077_S67_1	-0.39	-0.13	0.15	-0.31	-0.33	-0.04	-0.36	-0.16	-0.2	-0.36	-0.38	0.02	0.27	0.2	-0.03	0.54	-0.0525	-0.06	0.28	0.373205	0.836715	0.822035	1	0.99961	0.746986
SH_088077_S67_1	-0.4	-0.32	0.26	-0.29	-1.18	-0																			

[illegible]

Slc6a1_P31648_S5915_1	-2.14	-0.39	-0.3	-2	-1.7	-0.83	-1.28	-0.88	-2.28	-1.92	-1.29	-1.52	-1.18	-0.67	-2.47	-0.46	0.035	-0.545	0.0125	0.98369	0.944689	0.30297	1	0.99961	0.995133		
Slc6a1_P31648_S5921_1	-1.47	-0.48	-0.27	-0.68	-0.44	-0.32	-0.52	-0.54	-0.46	-1.09	-0.45	-0.14	1.14	-1.31	-0.05	0.22	0.12	0.415	0.725	0.915321	0.714288	0.2985	1	0.99961	0.850292		
Slc6a1_P31648_T151_1	-1.86	-0.42	0.2	-0.27	-1.47	-0.83	-0.62	-0.47	-0.61	-0.52	-1.07	-0.63	-0.33	-1.34	-0.67	-0.17	0.415	0.725	0.915321	0.95377	0.655718	1	0.99961	0.9001			
Slc6a1_P31650_S21_1	-3.07	-7.89	0.63	0.4	-5.68	-3.37	-0.21	-0.51	-6.11	-4.08	0.38	-3.7	-0.04	0.56	0.2	-0.1	0.04	0.2375	0.919097	0.963828	0.985154	1	0.99961	0.971293			
Slc6a1_P31649_T5871_1	-0.29	0.37	0.04	0.74	0.66	0.41	-0.54	-0.44	-0.66	0.15	-0.64	0.53	-0.4	0.39	0.78	-0.68	-0.3975	0.37	0.0475	0.91252	0.30292	0.31681	1	0.99961	0.972191		
Slc6a15_ORB616_S551_1	-1.32	-0.69	2.5	0.9	0.9	1.89	-0.5	-0.4	1.89	-0.5	-0.4	1.89	-0.5	-0.4	1.89	-0.5	-0.4	0.15	0.71	1.145719	0.71	1.145719	1	0.99961	0.980871		
Slc6a15_ORB616_S6751_1	0.21	0.63	-0.27	0.45	0.79	0.89	0.29	0.19	0.59	0.09	0.54	0.25	-0.58	1.3	0.33	0.09	-0.285	0.03	0.94551	0.375143	0.130839	1	0.99961	0.979327			
Slc6a15_ORB616_S6861_1	0.15	-0.52	0.26	-0.41	-0.68	-0.32	-0.38	-0.34	-0.16	-0.17	-0.35	-0.07	-0.17	0.37	0.47	0.05	-0.085	0.31	0.350501	0.821802	0.418869	1	0.99961	0.733333			
Slc6a15_ORB616_S7011_1	0.58	0.25	0.17	-0.23	0.29	0.34	-0.42	-0.55	-0.07	0.91	-0.13	0.26	1.19	1.09	0.43	0.05	-0.2775	0.085	0.52	0.166795	0.407119	0.797816	1	0.99961	0.676647		
Slc6a17_ORB11_S6651_1	2.25	2.4	0.88	0.65	0.27	-1.47	-0.83	-1.28	-1.92	-1.29	-1.52	-1.18	-0.67	-2.47	-0.46	0.035	-0.545	0.0125	0.98369	0.944689	0.30297	1	0.99961	0.995133			
Slc6a17_ORB11_S6821_1	0.53	0.19	-0.76	-1.48	1.42	0.43	0.58	0.92	0.64	-0.16	0.52	-0.43	-1.62	-0.58	-0.17	0.38	0.4775	-0.2175	-0.5675	0.360179	0.373635	0.66522	1	0.99961	0.745796		
Slc6a17_ORB11_S6821_2	0.48	0.03	0	1.65	1.47	-0.4	1.61	1.52	0.55	-0.84	1.25	0.32	-2.44	-0.77	0.14	0.68	0.51	-0.22	-1.1375	0.126316	0.377336	0.68514	1	0.99961	0.596745		
Slc6a17_ORB11_S6861_1	1.48	-0.12	-0.4	1.18	-0.11	0.61	1.89	-0.5	-0.4	1.89	-0.5	-0.4	1.89	-0.5	-0.4	1.89	-0.5	-0.4	0.15	0.71	1.145719	0.71	1.145719	1	0.99961	0.980871	
Slc6a17_ORB11_S6861_2	0.48	0.03	0	1.65	1.47	-0.4	1.61	1.52	0.55	-0.84	1.25	0.32	-2.44	-0.77	0.14	0.68	0.51	-0.22	-1.1375	0.126316	0.377336	0.68514	1	0.99961	0.596745		
Slc6a17_ORB11_S7011_1	-1.28	-0.44	-0.84	-1.55	-0.29	-0.46	-0.97	-0.72	-0.35	-1.27	-1.01	-0.85	0.13	-0.93	-1.08	-1.18	-0.4175	0.1575	0.2625	0.524939	0.22232	0.614931	1	0.99961	0.822727		
Slc6a17_ORB11_S7151_1	-0.33	-0.05	0.25	0.4	0.48	0.34	-0.09	0.18	-0.78	-1.15	0	-0.6	0.84	0.34	-1.07	-0.35	-0.11	-0.7	-0.1275	0.77601	0.780504	0.81063	1	0.99961	0.820998		
Slc6a17_ORB11_T7221_1	-1.59	-0.22	1.3	-0.62	-0.41	-0.63	-0.14	-0.65	-0.15	-2.08	-0.3	-0.04	-0.47	-0.5	-1.25	0.805	0.415	0.75	0.337171	0.097983	0.472407	1	0.99961	0.918431			
Slc6a6_O33316_T5961_1	0.46	-0.23	0.41	-1.53	-0.03	0.07	1.98	1.98	-0.07	0.33	1.87	1.12	-1.09	0.2	0.65	1.03	0.4575	-0.105	-0.345	0.531036	0.963828	0.985104	1	0.99961	0.827798		
Slc6a7_O6967_S5881_1	-0.88	-0.41	-1.33	-1.39	-1.48	1.54	-1.08	-0.81	-1.78	-2.56	0.64	-1.39	-1.67	-1.73	-1.11	-0.47	-0.125	0.16	0.5075	0.393587	0.880609	0.798316	1	0.99961	0.795188		
Slc6a7_O6967_S6001_1	-1.32	-1.86	-2.38	-1.57	1.13	0.54	-1.17	-1.74	-1.13	-1.79	-0.28	-2.4	-1.12	-0.72	-0.42	-0.47	-1.17	-1.98	0.5325	0.395	0.7	0.925759	0.935081	0.556316	1	0.99961	0.935081
Slc6a7_O6967_S6161_1	-0.48	0.09	-2.38	-1.57	1.13	0.54	-1.08	-0.81	-1.79	-2.56	0.64	-1.39	-1.67	-1.73	-1.11	-0.47	-0.125	0.16	0.5075	0.393587	0.880609	0.798316	1	0.99961	0.795188		
Slc6a8_F60814_T6111_1	-1.18	3.94	-1.61	-1.68	3.45	0.59	-1.53	-2.49	-1.07	-0.52	-2.32	-4.09	4.25	1.48	-1.77	-1.41	-0.1375	-0.9675	0.7	0.640369	0.93162	0.435989	1	0.99961	0.910216		
Slc7a10_E01016_S51_1	-0.91	-0.07	-1.04	-1.39	-1.09	-1.54	-1.33	-1.65	-1.43	-1.04	-1.87	-1.35	-0.42	-1.71	-1.44	-1.18	-0.585	-0.605	-0.16	0.764548	0.128495	0.134832	1	0.99961	0.916264		
Slc7a10_E01016_S91_1	-0.65	-0.16	-0.03	-0.78	-1.72	-0.64	-0.74	-0.15	-0.76	-0.42	1.81	-0.4	-1.53	-2.04	-0.29	-0.25	-0.1575	-0.935	-0.58	0.110707	0.68804	0.642057	1	0.99961	0.560416		
Slc7a14_ORB11_S4651_1	-0.97	-0.8	-0.82	-1.18	-0.21	-1.04	-1.08	-0.02	-0.31	0.03	0.18	0.26	0.64	-0.35	0.74	-0.71	0.46	0.9825	1.0225	0.02574	0.22968	0.040276	1	0.99961	0.427114		
Slc7a14_ORB11_S4911_1	-0.27	0.06	1.17	-0.40	-1.2	3.42	3.39	2.18	-2.3	-1.01	1.75	-3.76	-1.91	2.99	-0.16	-1.24	0.9475	-1.58	-0.33	0.738384	0.315963	0.153856	1	0.99961	0.907462		
Slc7a14_ORB11_S6201_1	-1.38	0.48	0.6	0.6	1.37	0.62	0.78	-0.2	-0.91	0.78	-1.5	1.37	0.08	-1.04	-0.7	0.23	0.415	0.295	1.8025	0.200707	0.590667	0.420635	1	0.99961	0.952004		
Slc7a14_ORB11_S7471_1	-1.05	-1.85	-0.43	-0.77	-1.19	-2.07	-0.72	-1.72	-1.23	-0.79	-0.61	-1.01	-1.13	0.32	-0.43	-0.16	-0.4	0.115	0.925	0.032082	0.352323	0.7538	1	0.99961	0.442395		
Slc7a14_ORB11_S7621_1	-0.95	-0.91	-0.43	-0.78	-0.75	-0.97	-0.57	-0.54	-1.19	-0.77	-0.19	-0.4	-0.27	-1.2	-0.04	-0.06	0.13	0.38	0.297915	0.81747	0.680002	1	0.99961	0.712142			
Slc7a14_ORB11_S7621_2	-1.36	-0.54	-1.26	-0.35	-1.79	-0.72	-1.27	-0.39	-1.28	-0.89	-4.09	-1.89	0.07	-0.7	-1.07	-0.115	0.11	0.3275	0.385401	0.617873	0.12339	1	0.99961	0.756021			
Slc7a6a_OTP15_S2561_1	0.07	1.22	2.66	1.21	0.09	2.36	1.35	-0.06	1.91	2.12	1.43	1.75	0	0.88	1.1	0.08	-0.35	0.1775	-0.77	0.185115	0.613187	0.3272	1	0.99961	0.646022		
Slc7a6a_OTP15_S2571_1	0.07	1.22	2.66	1.21	0.09	2.36	1.35	-0.06	1.91	2.12	1.43	1.75	0	0.88	1.1	0.08	-0.35	0.1775	-0.77	0.185115	0.613187	0.3272	1	0.99961	0.646022		
Slc7a8_ORB11_S211_1	-0.97	0.73	0.5	-0.52	1.2	0.05	1.39	-0.29	1.98	-1.28	1.48	2.35	3.38	0.54	0.3	-0.18	0.6271	1.975	0.805	0.356162	0.26429	0.160377	1	0.99961	0.74034		
Slc7a8_ORB11_S211_2	-1.49	-0.2	1.38	0.62	0.6	1.37	0.62	0.78	-0.2	-0.91	0.78	-1.5	1.37	0.08	-1.04	-0.7	0.23	0.415	1.8025	0.200707	0.590667	0.420635	1	0.99961	0.952004		
Slc7a8_ORB11_S2571_1	1.31	-1.26	2.55	0.94	3.12	1.98	2.61	2.27	2.81	0.26	3.04	1.2	2.2	0.31	1.94	0.23	0.625	0.2075	-0.7	0.272887	0.206669	0.762562	1	0.99961	0.703107		
Slc8a1_ORB11_S2611_1	-0.25	-0.69	0.96	0.54	0.23	0.87	-0.02	0.58	0.64	0.95	0.61	1.28	1.5	0.93	1.31	1.34	-0.07	0.385	0.785	0.408184	0.84278	0.280887	1	0.99961	0.475443		
Slc8a1_ORB11_S2621_1	-0.7	-0.01	-0.07	-0.74	-0.88	-0.56	-0.77	0.04	0.39	0.53	-0.32	-0.48	-1.06	-0.37	-0.13	0.2	0.0825	0.73	-0.125	0.77194	0.839358	0.161034	1	0.99961	0.905674		
Slc8a2_ORB11_S3941_1	0.13	-0.14	-1.48	-2.19	-0.88	-0.77	1.57	1.57	1.29	1.94	0.85	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.35	0.518047	0.99627	0.481849	1	0.99961	0.810495		
Slc8a2_ORB11_S6211_1	-0.26	-0.22	-0.6	-0.13	0.07	-0.41	-0.5	0.12	-0.23	-0.31	0.06	0.41	-0.14	0.04	-0.07	0.67	0.1225	0.885	0.4275	0.186309	0.658169	0.329697	1	0.99961	0.646474		
Slc8a3_E9950_S6291_1	1.28	-0.05	-0.3	0.29	1.98	-0.92	-0.15	-0.24	1.38	1.05	-0.78	-0.38	-0.46	-0.76	0.16	0.22	-0.3375	0.0125	-0.515	0.248184	0.83041	0.982783	1	0.99961	0.688751		
Slc8a3_F01105_S6971_1	-0.05	-0.64	-0.43	-0.83	-0.87	-0.78	-1.06	-0.27	-0.85	-0.33	-0.96	-0.75	-0.09	-0.45	-0.79	-0.65	-0.245	0.11	0.095	0.748487	0.32902	0.685633	1	0.99961	0.915033		
Slc8a3_F01105_S7901_1	-0.83	-0.62	-0.83	-0.87	-0.78	-1.06	-0.27	-0.85	-0.33	-0.96	-0.75	-0.09	-0.45	-0.79	-0.65	-0.245	0.11	0.095	0.748487	0.32902	0.685633	1	0.99961	0.915033			
Slc8a3_P10441_S1711_1	0.26	0.37	0.74	-0.77	-0.42	0.23	1.15	-0.45	-0.46	0.66	0.65	0.86	0.72	0.55	0.87	1.33	-0.0575	-0.1075	0.3325	0.294643	0.65546	0.765477	1	0.99961	0.708556		
Slc8a3_P10441_S2731_1	0.13	0.69	-0.17	-0.65	0.12	0.41	-0.8	-0.84	-0.29	0.11	-0.35	0.24	-0.78	-0.47	-0.78	-0.25	-0.4825	0.0725	-0.21	0.634142	0.71718	0.837488	1	0.99961	0.886569		
Slc8a3_P10441_S2731_2	-0.16	-0.74	-0.27	-0.61	-1.48	-0.82	-0.67	-0.78	-1.07	-0.81	-0.71	-1.45	-1.08	-0.71	-0.81	-0.71	-0.81	-0.71	0.75	0.425092	0.02278	0.7777	1	0.99961	0.777711		
Slc8a3_P10441_S2851_1	-1.31	-1.37	-0.8	-0.57	-0.94	-2.27	-0.82	-0.63	-1.16	-0.94	-0.71	-1.45	-1.26	-1.75	-0.29	-0.28	-0.5825	-0.0525	-0.171	0.624174	0.716188	0.867519	1	0.99961	0.922379		
Slc8a3_P10441_S2861_1	-0.49	-0.01	-0.35	0.1	-0.61	-0.07	0.2	-0.88	-0.04	-0.37	-0.86	-0.33	0.92	-0.													

Smv4_G3U086_S6955_1	-0.22	-0.8	-0.07	-0.13	-0.8	-0.03	-0.57	-0.4	-0.32	-0.09	-1.18	0.05	0.45	0.74	0.16	0.33	-0.145	-0.08	0.725	0.036694	0.628677	0.82304	1	0.999631	0.454456	
Smv5_D9Y172_S2155_1	0.56	0.63	-0.05	0.69	1.47	1.25	0.42	0.58	1.34	0.39	0.99	0.63	0.37	1.63	0.73	1.29	0.475	0.38	0.5475	0.161277	0.187737	0.25967	1	0.999631	0.632442	
Smv6_O8M490_S299_1	0.06	-0.06	-0.7	0.16	-0.53	-0.29	-0.18	0.34	0.71	0.84	0.69	0.35	0.27	1.29	0.47	0.465	0.138	0.39	0.4075	0.141344	0.126279	0.344448	1	0.999631	0.454456	
Smv6_O8M490_S700_1	-0.72	-0.37	-0.85	-0.68	-0.59	-0.21	-0.42	-1.29	-0.92	-0.9	-0.17	-0.16	-0.27	-0.51	-0.02	-0.43	-0.0525	0.1225	0.4825	0.155021	0.868378	0.722449	1	0.999631	0.6258	
Smv7_O8Y153_S4099_1	1.46	1.57	1.37	2.39	0.38	2.59	0.39	0.98	-0.19	1.61	1.1	1.24	2.84	0.4	1.58	0.85	-0.065	-0.7575	-1.7	0.074024	0.919168	0.161004	1	0.999631	0.539897	
Smv7_O8Y153_S4115_1	0.83	1.2	-0.1	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.905	0.217158	0.985159	0.13	1	0.999631	0.707884	
Smv7_O8Y153_S939_1	-0.64	-0.15	-0.32	-0.22	0.13	-0.23	-0.23	-0.12	-0.42	-0.44	-0.13	-0.23	-0.69	-0.17	-0.6	-0.48	-0.145	-0.08	-0.2275	0.457724	0.597578	0.786022	1	0.999631	0.790527	
Smv2_O8Y153_S979_1	-0.65	-0.05	-0.38	-0.9	-0.63	-0.21	-1.16	-0.8	-0.47	-0.72	-0.98	-0.44	0.81	-0.32	-0.14	-0.205	-0.1575	0.19	0.683217	0.523713	0.600879	1	0.999631	0.889602		
Smv2_O8Y153_S1001_1	-1.45	-1.71	-0.04	0.16	-1.3	-0.47	-0.62	-0.58	-0.88	-0.29	-0.01	0.16	-0.54	-0.25	0.73	0.46	-0.1035	0.615	0.8625	0.171261	0.346548	0.263802	1	0.999631	0.59788	
Smv2_O8Y153_S1044_1	0.68	-0.89	-0.1	0.89	-0.53	-0.69	-0.15	-0.58	-0.11	-0.49	-0.35	-0.17	0.64	-0.77	0.22	0.33	-0.0975	-1.4075	0.138	0.338631	0.105101	0.023449	1	0.999631	0.8218	
Smv2_O8Y153_S1265_1	-0.32	0.15	0.04	-0.57	0.07	-0.15	-0.21	0.19	0.02	-0.47	0.67	0.76	0.94	0.02	0.28	0.53	0.12	0.42	0.6175	0.085449	0.589439	0.265856	1	0.999631	0.551214	
Smv3_O3H046_S499_1	-0.63	0.5	0.92	0.16	0.27	0.07	-0.36	0.35	0.3	0.06	0.21	0.86	0.79	0.45	0.7	0.61	-0.155	0.12	0.4	0.300893	0.683564	0.578355	1	0.999631	0.714183	
Smv3_O3H046_S571_1	1.28	1.67	0.21	-1.79	-0.12	0.32	-1.1	-1.13	-0.17	-1.13	-0.17	-1.13	-0.17	-1.13	-0.17	-1.13	-0.17	-1.13	-1.48	0.115021	0.385952	0.530938	1	0.999631	0.579788	
Smv3_O8Y050_S671_1	-0.79	-1.15	-1.38	-0.03	-0.28	-0.49	-0.14	0.62	-0.75	-1.41	0.41	0.15	0.46	-1.61	-0.29	0.53	0.75	0.4225	0.33	0.517282	0.083992	0.402482	1	0.999631	0.813449	
Smv7_FW9010_S88_1	-0.12	-0.07	-0.88	-0.54	-0.2	-0.22	-0.61	-0.51	-0.84	-0.62	-0.59	-0.35	0.22	-0.06	-1.05	-0.83	-0.0175	-0.2325	-0.0625	0.87483	0.953435	0.454695	1	0.999631	0.960237	
Smv1_F08Z28_S999_1	-1.64	0.89	1.58	0.02	0.25	0.76	0.7	0.23	1.03	-0.64	0.78	1.51	2.05	1.56	0.47	1.56	0.275	0.4675	1.1975	0.105222	0.693901	0.539713	1	0.999631	0.586213	
Smv4_A2ACV6_S1738_1	-0.94	-1.7	-0.94	-1.4	-1.58	-1.59	-1.4	-1.78	-1.74	-2.04	-1.89	-2.32	-0.08	-1.49	-1.83	-1.51	-0.065	-0.125	-0.37	0.631667	0.879511	0.853271	1	0.999631	0.867767	
Smv4_E1U800_S10155_1	-0.55	-0.38	1.57	-0.45	-0.54	-0.69	-0.73	-0.11	-0.63	-0.26	-0.01	0.77	1.13	-0.4	0.36	0.44	-0.35	0.08	0.495	0.242284	0.313272	0.837917	1	0.999631	0.685099	
Smv3_O8M200_S6379_1	1.11	1.23	0.98	0.68	1.58	1.28	0.09	0.59	1.2	0.96	1.29	1.08	1.12	1.33	1.12	1.74	-0.205	0.0875	-0.0275	0.479901	0.761708	0.7284	1	0.999631	0.818612	
Smv3_O8M200_S6399_1	-0.27	-0.17	-1.12	-1.37	-0.06	-0.77	-0.77	-0.28	-0.2	-0.89	0.87	1.13	0.98	-0.72	0.59	-0.29	0.0525	0.2475	0.5175	0.167939	0.883933	0.893938	1	0.999631	0.812937	
Smv3_O8M200_S7609_1	1.55	0.62	2.4	2.3	-0.13	0.81	2.25	0.31	0.46	1.92	0.68	0.14	-0.84	-0.74	0.34	-0.13	-0.9075	-0.9175	-2.06	0.001605	0.152008	0.10845	1	0.999631	0.351308	
Smv3_O8M200_S7799_1	0.48	0.4	-0.04	0.6	0.34	0.26	0.24	0.56	0.65	0.54	0.59	0.44	0.13	0.44	0.44	0.48	-0.01	0.195	0.0125	0.965194	0.969435	0.467698	1	0.999631	0.878565	
Smv3_O8M200_S7544_1	-0.15	0.58	0.21	0.01	-0.1	0.67	-0.14	0.48	0.1	0.47	0.07	0.7	0.91	0.63	0.09	0.35	0.065	0.175	0.3325	0.312428	0.438986	0.565739	1	0.999631	0.719861	
Smv_J08V01_S1721_1	-0.26	0.4	-0.66	-0.57	0.28	0.1	-0.78	-0.41	-0.23	-0.51	0.41	0.17	0.3	0.72	0.08	0.38	0.22	0.4225	0.6055	0.051472	0.472881	0.716566	1	0.999631	0.489777	
Smv1_O6Z417_S12099_1	0.44	0.44	0.49	0.1	0.07	0.06	0.12	0.12	0.11	1.11	0.1	0.62	0.58	0.14	0.33	0.08	-0.245	0.1175	-0.085	0.762122	0.256076	0.712845	1	0.999631	0.915029	
Smv1_O6Z417_S12509_1	1.46	2.64	-0.5	-0.62	3.12	2.26	0.71	0.53	4.28	0.69	-0.21	-0.1	2.7	0.72	-0.81	-2.38	0.46	0.42	-0.6875	0.549799	0.510391	0.711794	1	0.999631	0.835458	
Smv1_O6Z417_S12549_1	-0.14	-0.11	-0.17	-0.06	0.38	0.1	0.43	0.49	0.09	0.1	0.46	0.23	0.41	-0.49	-0.46	0.1	-0.205	0.195	0.050502	0.416589	0.526465	0.61	1	0.999631	0.977697	
Smv1_O6Z417_S12709_1	0.76	-0.67	0.54	0.17	-0.34	0.3	-0.33	0.58	-0.94	0.41	-0.54	0.66	0.35	-0.48	0.68	0.55	-0.1475	-0.0325	-0.1	0.819761	0.710508	0.944938	1	0.999631	0.938303	
Smv1_O6Z417_S29_1	1.53	-0.67	-0.27	-0.37	-0.74	-0.46	0.5	-1.22	-1.27	0.6	-1.07	-1.22	-1.23	-1.27	-1.27	-1.27	-1.04	-0.535	-0.795	-1.12	0.040403	0.353881	0.212455	1	0.999631	0.475443
Smv1_O6Z417_S29_1	1.53	-0.67	-0.27	-0.37	-0.74	-0.46	0.5	-1.22	-1.27	0.6	-1.07	-1.22	-1.23	-1.27	-1.27	-1.27	-1.04	-0.535	-0.795	-1.12	0.040403	0.353881	0.212455	1	0.999631	0.475443
Smv1_O6Z417_S13199_1	0.13	0.5	-0.5	0.55	0.9	0.89	0.41	0.81	0.82	0.17	0.53	0.57	1.1	0.84	0.46	0.86	0.3575	0.0715	0.079786	0.188932	0.294955	0.3	1	0.999631	0.95021	
Smv1_O6Z417_S5549_1	0.57	-0.33	-0.95	-0.26	0.18	-0.09	0.09	0.37	0.15	0.06	-0.05	0.16	-0.53	0.14	-0.46	-0.89	0.38	0.3225	-0.1925	0.63354	0.297345	0.371793	1	0.999631	0.886569	
Smv1_O6Z417_S5769_1	-0.17	-0.35	-0.8	0.01	0.11	-0.3	-0.36	0.44	-0.23	-1.32	-0.41	-0.95	-1.48	-0.01	-0.61	-0.37	0.3	-0.4	-0.29	0.462137	0.34601	0.264464	1	0.999631	0.792786	
Smv1_O6Z417_S589_1	0.96	-0.7	-0.94	-0.63	-0.07	-0.37	-0.57	-0.25	-0.36	-0.19	-0.35	-0.58	-0.27	0.15	-0.54	0.19	-0.075	-0.0725	0.335	0.212288	0.577904	0.84897	1	0.999631	0.76112	
Smv1_O6Z417_S589_1	0.96	-0.7	-0.94	-0.63	-0.07	-0.37	-0.57	-0.25	-0.36	-0.19	-0.35	-0.58	-0.27	0.15	-0.54	0.19	-0.075	-0.0725	0.335	0.212288	0.577904	0.84897	1	0.999631	0.76112	
Smv1_O6Z417_S6359_1	-1.11	-1.23	-0.79	-1.17	-1.33	-2.57	-1.39	-1.59	-1.54	-1.43	-1.5	-1.31	1.22	-0.46	-1.33	-0.63	-1.095	-0.37	0.775	0.158452	0.024651	0.165102	1	0.999631	0.626815	
Smv1_O6Z417_S6399_1	0.77	0.68	-0.16	0.77	2.05	0.61	1.01	0.84	1.23	0.06	0.85	-0.05	-0.37	1.32	0.9	0.5375	-0.0675	-0.255	0.6685	0.212419	0.870153	0.70153	1	0.999631	0.888335	
Smv1_O6Z417_S6399_1	-0.11	-1.14	-1.17	-1.37	-0.06	-0.77	-0.77	-0.28	-0.2	-0.89	0.87	1.13	0.98	-0.72	0.59	-0.29	0.0525	0.2475	0.405	0.34075	0.189153	0.454328	1	0.999631	0.812937	
Smv1_O6Z417_S6669_1	0.63	-1.65	-1.61	-0.84	0.22	0.04	-0.15	-0.28	-0.05	-1.37	-2.31	-2.27	-0.55	-0.51	-1.42	0.825	-0.625	0.375	0.538379	0.128861	0.358407	0.1	1	0.999631	0.830663	
Smv1_O6Z417_S6894_1	0.96	0.46	0.28	1	0.46	0.47	0.36	1.38	0.18	0.47	0.69	1.25	0.76	1.19	1.34	1.77	-0.0075	-0.0275	0.21	0.703108	0.982199	0.934893	1	0.999631	0.894893	
Smv1_O6Z417_S7079_1	0.18	0.18	-0.88	0.07	0.16	0.23	-0.35	0.26	0.09	0.1	-0.35	-0.58	-0.27	0.15	-0.54	0.19	-0.075	-0.0725	0.335	0.212288	0.577904	0.84897	1	0.999631	0.76112	
Smv1_O6Z417_S7129_1	-0.2	-0.13	-0.7	-0.08	-0.48	0.37	-0.68	-0.66	-0.3	-0.33	-0.82	0.23	-0.75	0.27	-0.7	0.37	0.8848	0.842464	0.946184	0.984184	0.984184	0.984184	1	0.999631	0.977697	
Smv1_O6Z417_S7919_1	-0.53	-0.24	-0.09	-0.04	-0.66	-0.23	-0.21	-0.1	-0.36	0.33	0.14	0.47	0.42	0.25	0.48	0.57	-0.075	0.3	0.655	0.036072	0.777097	0.33048	1	0.999631	0.453963	
Smv1_O6Z417_S9699_1	0.02	0.9	-2.01	-1.49	-0.45	0.91	-1.42	-0.66	-0.62	0.26	-2.12	-0.2	0.77	0.44	-0.47	-0.31	-0.215	-0.025	0.7525	0.264898	0.738831	0.973311	1	0.999631	0.86058	
Smv1_O6Z417_S999_1	0.12	1.15	0.7	0.18	0.05	0.1	0.18	0.4	0.1	0.18	0.4	0.1	0.18	0.4	0.1	0.18	0.4	0.1	0.18	0.4	0.1	0.18	0.4	1	0.999631	0.715979
Smv2_O7W296_S1099_1	0.17	1.06	0.62	0.36	0.38	0.84	-0.22	0.7	0.41	0.24	0.39	0.16	0.8	1.09	0.3	0.79	-0.1275	-0.2525	0.1925	0.565007	0.700279	0.319142	1	0.999631	0.840285	
Smv2_O7W296_S1099_1	-0.02	-1.67	-0.82</																							

Sptbnt_06Z261_S2127r_1	-1.84	-1.97	0.33	-0.54	-2.32	-1.79	-0.79	-0.25	-2.56	-2.24	-0.12	-0.43	-1.68	-2.51	0.32	0	-0.1175	-0.1675	0.0425	0.947949	0.838731	0.803865	1	0.999631	0.983162
Sptbnt_06Z261_S2127r_2	0.34	-0.26	-0.96	-0.86	-0.16	-0.17	-0.79	-0.72	-0.25	0.46	-0.99	-1.22	-0.15	-0.06	-0.65	-1.24	-0.025	-0.065	-0.07	0.830208	0.945374	0.888441	1	0.999631	0.942129
Sptbnt_06Z261_S2137r_1	0.34	-0.26	-1.18	-0.48	-0.23	-0.16	-1.18	-0.43	-0.16	-0.13	-1.56	-0.23	-0.43	-2.56	-0.43	-1.59	-0.329	-0.027	0.0825	0.87174	0.93129	0.92163	1	0.999631	0.92163
Sptbnt_06Z261_S2137r_2	0.34	-0.26	-1.5	-1.4	-0.16	-0.17	-1.13	-1.35	-0.25	0.46	-1.54	-1.87	-0.15	-0.06	-1.2	-1.75	-0.025	-0.095	-0.085	0.87862	0.969084	0.881445	1	0.999631	0.862995
Sptbnt_06Z261_S2164r_1	0.17	1.38	2.04	1.27	0.19	-0.17	-1.06	-0.42	0.3	1	0.35	1.7	3.85	0.89	1.27	1.81	-0.83	0.325	1.4425	0.103949	0.239306	0.641778	1	0.999631	0.572579
Sptbnt_06Z261_S2164r_2	1.17	1.77	1.36	1.29	0.19	-0.17	-1.06	-0.42	0.3	1	0.35	1.7	3.85	0.89	1.27	1.81	-0.83	0.325	1.4425	0.103949	0.239306	0.641778	1	0.999631	0.572579
Sptbnt_06Z261_S2168r_1	-1.38	0.5	1.97	-1.23	-1.59	-0.53	-1.79	-0.68	0.4	0.555	0.06	1.05	1.35	0.3	0.64	1.1	-1.1125	0.35	1.335	0.155889	0.16181	0.643621	1	0.999631	0.572579
Sptbnt_06Z261_S2168r_2	0.68	2.11	1.79	1.39	1.52	1.76	0.49	1.71	1.71	1.63	1.48	1.88	2.42	2	1.86	1.99	-0.1225	0.1825	0.575	0.145855	0.772552	0.609044	1	0.999631	0.616968
Sptbnt_06Z261_S2151r_1	0.44	0.26	1.25	0.11	0.56	-0.1	2.19	0.29	1.62	-0.19	0.24	1.14	1.03	-1.91	-0.04	-1.22	0.1875	-1.05	0.119324	0.675349	0.602041	1	0.999631	0.588601	
Sptbnt_06Z261_S2151r_2	2.44	2.79	4.82	3.23	1.61	0.38	1.13	0.63	0.43	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	1	0.999631	0.52025
Sptbnt_06Z261_S2131r_1	2.31	2.64	4.03	0.97	3.65	3.56	3.41	1.41	5.77	3.43	3.12	4.74	6.2	1.41	3.1	1.01	0.3075	-0.0275	0.082089	0.953923	0.71729	1	0.999631	0.994846	
Sptbnt_06Z261_S2131r_2	2.19	2.44	3.49	1.78	3.87	3.17	4.24	1.6	5.23	2.03	2.97	4.32	2.95	0.46	1.91	-0.39	0.14	1.075	1.3975	0.80584	0.84888	0.179011	1	0.999631	0.545679
Sptbnt_06Z261_S2139r_1	-0.68	-1.56	-0.68	-0.1	-0.46	-0.52	-0.47	-1.25	-1.88	-0.55	-0.7	-1.8	-0.97	-0.1	-0.97	-0.1	-0.97	-0.1	0.155	0.647611	0.970025	0.89111	1	0.999631	0.876161
Sptbnt_06Z261_S2139r_2	-0.59	-0.67	-0.73	-0.47	-0.34	-0.8	-0.64	-0.44	-0.67	-0.96	-0.55	-0.48	-0.7	-0.59	-0.69	-0.35	0.06	-0.0325	0.902987	0.807427	0.844665	1	0.999631	0.968183	
Sptbnt_06Z261_S2357r_1	0.64	0.86	0.87	2.6	3	1.72	2.11	2.14	1.92	-0.24	2.26	1.64	-1.59	1.27	1.18	1.26	1.435	0.5875	-0.2775	0.749289	0.056459	0.466051	1	0.999631	0.912137
Sptbnt_06Z261_S2180r_1	0.11	2.17	0.54	0.83	0.74	2.18	0.25	2.09	0.42	-0.07	1.66	-0.43	-0.63	-0.72	-0.29	0.93	0.4025	-0.5175	-0.48	0.454514	0.503704	0.383022	1	0.999631	0.790041
Sptbnt_06Z261_S2194r_1	-0.2	0.37	-0.3	0.5	0.08	0.03	0.6	-0.05	-0.08	-0.17	-0.1	-0.07	0.33	0.48	0.01	0.41	-1	-0.075	0.34	0.207251	0.680175	0.780729	1	0.999631	0.659581
Sptbnt_06Z261_S2194r_2	2.24	2.45	2.98	-0.46	2.87	2.49	4.71	0.94	4.63	2.94	3.12	4.94	3.84	2.58	0.09	-1.45	0.45	1.605	-0.9025	0.52102	0.684554	0.13053	1	0.999631	0.820181
Sptbnt_06Z261_S2193r_1	2	2.96	4.53	0.88	3.29	2.53	3.74	2.12	4.95	1.91	3.64	5.04	4.34	1.15	3.28	0.39	0.3025	1.6675	-0.5775	0.606882	0.682863	0.186922	1	0.999631	0.856689
Sptbnt_06Z261_S2193r_2	2.1	2.96	4.53	0.88	3.29	2.53	3.74	2.12	4.95	1.91	3.64	5.04	4.34	1.15	3.28	0.39	0.3025	1.6675	-0.5775	0.606882	0.682863	0.186922	1	0.999631	0.856689
Sptbnt_06Z261_S1060r_1	0.28	-2	0.47	-1.24	-2.58	-1.93	-1.73	-1.62	-1.56	-0.2	-0.88	-1.07	-1.22	-2.52	-0.95	-0.15	-0.7125	-0.07	-0.3525	0.57754	0.28133	0.894751	1	0.999631	0.846622
Sptbnt_06Z261_S1060r_2	0.61	-0.6	-1.53	-0.17	0.12	0.15	-0.04	0.29	-0.75	-0.13	-1.04	-1.01	-2.43	-0.2	-0.26	-0.15	0.5525	-0.31	-0.3375	0.601501	0.027489	0.571889	1	0.999631	0.856765
Sptbnt_06Z261_S2200r_1	0.93	-1.08	-1.67	1.5	0.3	0.58	1.07	1.06	-0.65	0.03	-0.37	-1.48	-1.33	-0.53	-3.84	-0.57	0.825	-0.5375	-1.9625	0.070427	0.251016	0.740906	1	0.999631	0.530612
Sptbnt_06Z261_S2200r_2	0.06	1.38	0.58	0.56	0.84	1.57	0.42	1.11	0.48	0.55	0.89	0.56	1.17	0.92	0.65	1.25	1.365	0.04	0.3525	0.335457	0.344799	0.904488	1	0.999631	0.702025
Sptbnt_06Z261_S2254r_1	0.46	0	-0.32	-0.09	0.38	1.01	-0.16	0.31	0.16	-0.61	0.03	-0.4	0.95	-1.43	0.23	0.3725	-0.1775	-0.175	0.730021	0.286864	0.489454	1	0.999631	0.906325	
Sptbnt_06Z261_S2254r_2	-0.72	0.3	0.59	0.14	0.14	0.19	-0.29	0.19	0.38	-0.19	0.23	0.74	0.46	-0.05	1.13	0.07	0.405	0.2875	0.395	0.049258	0.779471	0.445551	1	0.999631	0.73511
Sptbnt_06Z261_S2157r_1	0.02	0.21	0.02	0.32	0.49	0.43	1.29	-0.27	0.33	-0.45	0.46	1.02	0.83	0.25	0.88	0.23	0.075	-0.1525	0.05	0.05401	0.578276	0.679317	1	0.999631	0.995333
Sptbnt_06Z261_S1063r_1	-0.23	-1.27	-0.2	-0.06	-1.99	-0.78	0.3	-0.69	-0.42	-0.25	-0.36	-0.53	-1.39	-1.19	-0.38	0.02	-0.59	1.86707	0.467112	0.953493	1	0.999631	0.646474		
Sptbnt_06Z261_S2156r_1	1.2	-0.67	-0.94	0.95	0.92	-0.56	0.76	0.09	0.37	-0.8	0.2	-0.81	-1.05	-0.46	-1.08	-0.41	0.1675	-0.395	-0.885	0.12523	0.774813	0.501158	1	0.999631	0.596415
Sptbnt_06Z261_S2156r_2	0.24	-0.13	-1.5	-0.91	-1.33	-1.07	-0.99	-1.9	-1.19	-0.01	-1.15	-1.53	-2.03	-1.66	-2.68	-1.46	-0.4475	-0.095	-1.0825	0.040076	0.31533	0.846164	1	0.999631	0.477234
Sptbnt_06Z261_S2163r_1	-0.07	-0.12	-0.68	-0.08	-0.24	-0.27	1.84	-0.74	-0.59	0.2	-1.3	-0.74	-0.97	-0.49	-1.38	0.12	0.84	-0.3925	-0.0465	0.118197	0.242119	0.29518	1	0.999631	0.985687
Sptbnt_06Z261_S2226r_1	-0.5	-4.59	-0.47	-1	-3.99	-3.77	0.17	-1.72	-4.28	-2.25	-1.22	-1.47	-3.29	-1.13	-1.37	-1.12	-0.9125	-0.89	-1.3125	0.288349	0.654807	0.432787	1	0.999631	0.706035
Sptbnt_06Z261_S2297r_1	-4.35	-12.2	0.77	1.04	-8.39	-8.6	1.08	-0.47	-12.57	-6.57	-0.24	-0.61	-8.18	-0.68	-0.87	-1.08	-0.41	-1.1225	-1.2675	0.693988	0.903208	0.741514	1	0.999631	0.895311
Sptbnt_06Z261_S2297r_2	0.49	0.39	0.47	0.19	0.47	0.19	0.47	0.19	0.47	0.19	0.47	0.19	0.47	0.19	0.47	0.19	0.47	0.19	0.47	0.19	0.47	0.19	1	0.999631	0.991754
Sptbnt_06Z261_S2172r_1	-0.1	-0.16	-1.06	-0.66	-0.36	-0.21	0.6	-0.78	-0.66	-0.07	-0.64	-0.76	0.01	0.22	-0.65	-0.41	0.0075	-0.0205	-0.2875	0.424062	0.880839	0.392146	1	0.999631	0.774293
Src_P05480_S17r_1	-0.36	-0.14	-0.53	-0.86	-0.68	-0.34	-0.87	-0.81	-0.58	-0.47	-0.91	-0.87	0.19	0.1	-0.87	-0.2025	-0.16	0.31	0.38021	0.471035	0.611968	1	0.999631	0.752331	
Src_P05480_S17r_2	-2.65	-0.81	-0.96	-0.19	-0.37	0.91	-0.78	-1.25	-0.58	-0.46	-0.36	-0.6	-0.5	-1.51	-1.31	-2.15	0.825	0.4	0.285	0.591541	0.102366	0.604075	1	0.999631	0.8545
Snap_F092V7_S559r_1	-0.1	0.24	0.05	-0.28	-0.24	0.27	1.84	-0.74	-0.59	0.2	-1.3	-0.74	-0.97	-0.49	-1.38	0.12	0.84	-0.3925	-0.0465	0.118197	0.242119	0.29518	1	0.999631	0.985687
Srcnt1_B1AQ0r_S1021r_1	-0.85	-0.89	-0.07	-0.53	-1.32	-0.85	-0.67	-0.54	-0.92	-0.5	-0.33	-0.68	0.3	-0.74	-1.09	-0.31	-0.3875	-0.15	-0.0025	0.99472	0.21504	0.608407	1	0.999631	0.997705
Srcnt1_B1AQ0r_S1037r_1	-1.11	-0.89	-1.27	-0.18	0.87	0.12	0.41	0.07	0.03	-0.29	0.58	-1.02	-0.84	-0.07	-0.93	-0.68	0.615	-0.1575	-0.3225	0.543691	0.258949	0.767382	1	0.999631	0.832881
Srcnt1_B1AQ0r_S1037r_2	-0.65	-0.27	-0.58	-0.38	-0.49	-0.82	-0.7	-0.27	0.33	-0.55	-0.82	-0.26	-0.02	-0.22	-0.41	-0.21	-0.18	0.12	0.255	0.39995	0.46818	0.761439	1	0.999631	0.741382
Srcnt1_B1AQ0r_S1094r_1	0.78	1.08	1.79	2.24	1.84	1.26	1.98	0.7	1.07	1.53	1.41	1.15	1.49	1.59	1.47	1.02	-0.26	-0.0425	0.07	0.62705	0.506369	0.809782	1	0.999631	0.987729
Srcnt1_B1AQ0r_S1017r_1	0.98	1.39	3.36	1.12	0.84	2.28	1.21	0.29	1.56	2.02	0.58	1.3	1.46	1.85	1.78	-1.86	-0.5575	-0.3475	0.025	0.962338	0.387783	0.55245	1	0.999631	0.986642
Srcnt1_B1AQ0r_S1151r_1	0.52	0.25	0.49	-1.25	-0.42	0.19	0.69	-1.48	-0.09	-0.76	-1.16	-1.04	-0.62	-1.54	-1.05	-2.61	-0.2575	-0.765	-1.4975	0.024256	0.454807	0.127535	1	0.999631	0.415644
Srcnt1_B1AQ0r_S1151r_2	2.1	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	1	0.999631	0.984328
Srcnt1_B1AQ0r_S131r_1	-0.2	0.58	0.69	-0.08	-0.2	0.43	-0.48	0.12	0.11	0.43	-0.06	0.43	0.92	0.53	0.16	-1.27	-0.28	0.0	0.4475	0.23671	0.463489	0.832787	1	0.999631	0.683301
Srcnt1_B1AQ0r_S131r_2	-0.09	-0.07	0.85	-0.13	-1.31	-0.31	-0.32	-																	

Srm2_Q88T8_S2084_1	0.14	1.05	0.45	-0.18	0.28	0.06	-0.32	-0.48	0.72	0.86	0.88	0.68	1.75	0.18	-0.48	1.43	-0.48	0.42	0.355	0.520271	0.18688	0.214349	1	0.99961	0.819528
Srm2_Q88T8_S2224_1	0.16	-0.22	0.29	0.25	0.31	0.36	-0.44	0.55	0.3	0.13	-0.16	-0.36	-1.15	-1.3	-1.05	0.66	0.075	-0.8375	0.098083	0.860331	0.880354	1	0.99961	0.561078	
Srm2_Q88T8_S2351_1	0.29	0.06	-0.16	0.08	-0.18	-0.08	-0.18	-0.07	-0.41	0.35	0.09	0.41	0.58	0.07	-0.45	0.17	-0.175	0.627129	0.100904	0.382474	0.1	0.99961	0.825452		
Srm2_Q88T8_S2360_2	-0.16	0.89	0.74	0.51	0.77	0.59	-0.48	0.75	0.97	0.04	0.73	0.85	0.46	0.78	0.68	0.72	0.1375	0.1525	0.165	0.151153	0.063863	0.665	1	0.99961	0.859739
Srm2_Q88T8_S2381_1	-1.57	-1.79	0.09	-0.03	-1.24	-1.72	0.53	-0.56	-0.77	1.66	-0.64	-0.82	2.13	-1.15	-0.91	-1.51	-0.8075	-0.0205	-1.485	0.04761	0.296572	0.801775	1	0.99961	0.481835
Srm2_Q88T8_S2404_1	-0.12	-0.28	-0.21	0.01	0.01	0.01	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	0.056	0.813556	0.371719	0.91	0.99961	0.829741	
Srm2_Q88T8_S2535_1	-0.14	0.27	0.08	-0.14	-0.27	-0.39	-0.59	0.05	-0.06	0.14	-0.08	-0.04	0.41	-0.07	-0.48	-0.07	0.13	-0.26971	0.31	0.296971	0.248681	0.91192	1	0.99961	0.710149
Srm2_Q88T8_S2642_1	-0.36	-0.21	0.26	0.11	-0.65	-0.44	-0.49	-0.52	-0.2	0.03	0.02	0.12	0.36	-0.44	-0.11	0.37	-0.42	0.0975	0.125	0.69738	0.122631	0.14264	1	0.99961	0.884787
Srm2_Q88T8_S2646_1	0.61	1.53	0.21	0.64	0.69	0.82	0.51	0.99	1.73	1.09	-0.05	0.16	1.26	1.06	-1.16	0.09	0.4125	0.252814	1	0.99961	0.815452	1	0.99961	0.868842	
Srm2_Q88T8_S2648_1	0.55	-0.49	-0.12	0.76	-0.02	0.68	-0.08	-0.07	-0.24	0.35	-0.09	-0.27	-0.16	-0.82	-0.17	0.12	0.4675	0.47889	0.120794	0.358219	0.1	0.99961	0.859739		
Srm2_Q88T8_S2666_1	1.02	0.32	0.65	0.11	0.01	0.14	0.31	0.05	0.05	1.19	0.2	0.14	0.52	-0.14	0.86	0.06	-0.3975	-0.13	-0.2	0.575763	0.885603	0.71611	1	0.99961	0.848085
Srm2_Q88T8_S2666_2	1.4	0.04	0.71	0.61	0.01	0.15	0.93	0.06	-0.17	0.85	0.3	-0.58	-0.55	-0.67	-0.25	-0.45	-0.0035	-0.59	-1.165	0.07019	0.28941	0.81421	1	0.99961	0.386173
Srm2_Q88T8_S2660_1	1.4	0.04	0.71	0.61	0.01	0.15	0.93	0.06	-0.17	0.85	0.3	-0.58	-0.55	-0.67	-0.25	-0.45	-0.0035	-0.59	-1.165	0.07019	0.28941	0.81421	1	0.99961	0.386173
Srm2_Q88T8_S2681_1	2.22	-3.92	-2.63	-2.3	-4.87	-1.43	2.22	-5.5	-4.87	2.05	-4.34	-3.14	-2.68	-4.65	-4.69	-4.36	-0.7375	-0.9175	-2.4375	0.065967	0.695985	0.604044	1	0.99961	0.516933
Srm2_Q88T8_S333_1	1.86	0.62	0.73	0.69	-0.08	1.16	1.07	-0.73	0.49	1.64	-0.2	0.4	0.67	0.4	0.28	-0.54	-0.62	-0.3925	-0.9725	0.041486	0.241881	0.411492	1	0.99961	0.474979
Srm2_Q88T8_S349_1	0.17	0.21	0.44	-0.09	-0.39	-0.26	0.04	-0.31	0.49	0.37	0.28	0.04	0.64	0.23	0.02	0.82	-0.4125	0.2625	0.246	0.449404	0.130807	0.325071	1	0.99961	0.779177
Srm2_Q88T8_S349_2	0.17	0.21	0.44	-0.09	-0.39	-0.26	0.04	-0.31	0.49	0.37	0.28	0.04	0.64	0.23	0.02	0.82	-0.4125	0.2625	0.246	0.449404	0.130807	0.325071	1	0.99961	0.779177
Srm2_Q88T8_S351_1	0.61	-0.64	0.09	-0.02	-0.53	-0.32	-0.07	-0.34	0.31	0.84	0.64	0.22	0.55	0.7	0.24	0.85	-0.325	0.4475	0.575	0.121577	0.324245	0.205672	1	0.99961	0.590097
Srm2_Q88T8_S351_2	-0.41	-0.26	0.75	0.2	-0.01	-0.48	-0.26	0.39	-0.13	-0.11	0.22	0.35	0.49	0.18	0.05	0.34	-0.16	-0.0125	0.197	0.571528	0.649401	0.97003	1	0.99961	0.848675
Srm2_Q88T8_S396_1	-0.12	-0.11	-0.62	-0.12	0.09	-0.11	0.09	-0.43	0.12	0.04	-0.17	-0.27	-0.37	-0.39	-1.67	-0.59	-0.34	-0.925	-0.195	0.670897	0.407389	0.214588	1	0.99961	0.807185
Srm2_Q88T8_S454_1	0.74	0.9	0.72	0.39	-1.3	-1.25	0.65	-1.08	-1.41	-0.22	-0.61	-1.3	-0.73	-1.52	0.35	-0.65	-0.9825	-1.0125	-0.875	0.114481	0.102347	0.071211	1	0.99961	0.579001
Srm2_Q88T8_S578_1	-0.73	0.55	-0.81	-2.7	-0.49	0	-0.28	-0.54	0.71	-0.88	0.71	-0.79	0.65	0.13	-0.67	-0.216	0.595	-0.505	-0.3	0.969836	0.343803	0.468088	1	0.99961	0.893372
Srm2_Q88T8_S829_2	0.25	-0.12	-1.54	-1.39	0.22	-0.72	-1.66	-0.51	-0.03	0.35	-0.64	-0.4	0.13	-0.21	-0.87	-0.24	0.0325	0.52	0.5075	0.316486	0.952407	0.292857	1	0.99961	0.707374
Srm2_Q88T8_S829_3	-0.19	0.29	0.79	-0.12	-0.16	0.08	-0.11	0.09	-0.43	-0.02	0.04	0.49	0.15	0.61	0.64	0.89	-0.1575	0.17	0.3805	0.279518	0.601451	0.19354	1	0.99961	0.701897
Srm2_Q88T8_S870_1	1.45	-3.06	0.41	-0.79	-1.57	0.02	2.74	-2.72	-5.44	1.93	-1.76	-2.34	-2.28	-2.89	-1.71	-1.38	-0.115	-0.446	-2.1725	0.03708	0.929525	0.368031	1	0.99961	0.456881
Srm2_Q88T8_S870_2	0.87	1.02	0.28	-0.34	-0.24	0.12	-0.07	0.12	0.98	1.17	-0.19	0.02	0.76	0.82	0.3	0.37	-0.455	0.0975	0.105	0.78041	0.212762	0.938975	1	0.99961	0.921416
Srm2_Q88T8_S1390_1	-2.41	-0.06	0.94	0.4	-0.1	0.51	-0.35	-0.01	-0.79	-2.05	-1.39	-0.5	0.45	0.31	-0.85	-0.2	0.2875	0.3575	0.640019	0.694545	0.628024	0.1	0.99961	0.870955	
Srm2_Q88T8_S1428_1	0.25	-1.49	1.51	0.81	0.75	1.08	1.21	0.57	1.04	0.52	0.01	0.41	0.26	0.3	-0.25	-0.52	-0.1125	-0.525	-1.0675	0.01993	0.755167	0.198383	1	0.99961	0.351668
Srm2_Q88T8_S1448_1	0.27	0.54	0.64	0.67	0.06	-0.02	0.05	-0.17	0.35	0.67	0.62	0.34	0.8	0.7	0.25	0.72	-0.465	-0.035	0.0875	0.758361	0.877392	0.891746	1	0.99961	0.914449
Srm2_Q88T8_S1812_1	0	0.71	1.17	0.51	-0.11	0.55	0.42	0.83	0.49	0.86	0.47	0.93	1.2	0.78	1.57	-0.16	-0.175	0.09	0.705	0.075316	0.628894	0.78726	1	0.99961	0.541044
Srm2_Q88T8_S1881_1	-1.76	-1.76	-1.76	-1.76	-1.76	-1.76	-1.76	-1.76	-1.76	-1.76	-1.76	-1.76	-1.76	-1.76	-1.76	-1.76	-1.76	-1.76	0.4	0.588121	0.122104	0.69672	1	0.99961	0.859739
Srm2_Q88T8_S1886_1	0.1	-0.06	0.51	0.15	-0.44	-0.3	-0.29	-0.07	-0.12	0.54	0.29	0.13	0.63	0.36	0.18	0.79	-0.45	0.035	0.315	0.299426	0.102561	0.906611	1	0.99961	0.712852
Srm2_Q88T8_S1930_1	0.17	0.13	0.6	0.43	-0.06	-0.27	-0.24	0.2	0.12	0.58	0.15	0.42	0.73	0.71	0.23	0.3	-0.015	0.06	0.3425	0.253484	0.423783	0.82408	1	0.99961	0.688735
Srm2_Q88T8_S1930_2	0.19	0.09	0.39	0.14	-0.03	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	-0.13	0.05	0.0224	0.410635	0.574609	1	0.99961	0.807185
Srm2_Q88T8_S1932_2	0.24	-0.53	0.64	0.3	-0.3	-0.13	-0.44	0.55	-0.28	0.16	0.4	0.54	0.05	-0.84	0.73	0.53	-0.055	0.16	-0.0775	0.859399	0.877144	0.624318	1	0.99961	0.951218
Srm2_Q88T8_S1823_1	0.83	0.28	-0.2	-0.48	0.06	-0.07	-0.91	-0.03	0.37	0.58	-0.43	0.68	0.68	0.74	0.55	-0.05	-0.345	0.1925	0.3725	0.3361	0.378665	0.629117	1	0.99961	0.704666
Srm2_Q88T8_S1824_1	-0.24	-0.08	0.77	-0.19	-0.34	-0.5	-0.53	-0.19	-0.21	-0.1	0.18	-0.41	0.23	0.06	0.17	0.69	-0.455	-0.2	0.1375	0.698732	0.161659	0.54107	1	0.99961	0.899371
Srm2_Q88T8_S1823_2	-0.12	-0.29	0.19	-0.12	-0.16	0.09	-0.11	0.09	-0.43	0.12	0.04	-0.17	-0.26	0.18	0.67	0.89	-0.1575	0.17	0.3805	0.279518	0.601451	0.19354	1	0.99961	0.701897
Srm2_Q88T8_S1841_1	-1.38	-0.03	1.48	0.26	-1.46	-0.19	-0.15	-0.05	-0.96	0.52	-0.41	0.38	-0.17	0.12	0.15	-0.45	-0.42	0.2625	0.656767	0.380891	0.49251	1	0.99961	0.879056	
Srm2_Q88T8_S1841_2	-0.2	0.29	0.79	-0.12	-0.16	0.09	-0.11	0.09	-0.43	-0.02	0.04	0.49	0.15	0.61	0.64	0.89	-0.1575	0.17	0.3805	0.279518	0.601451	0.19354	1	0.99961	0.701897
Srm2_Q88T8_S1872_2	2.37	0.27	0.47	0.62	-0.4	-0.02	0.62	-0.32	0.26	1.58	-0.86	-1.27	0.83	-0.83	-0.98	-1.97	-0.8075	-0.8875	-2.035	0.033034	0.108629	0.220079	1	0.99961	0.851208
Srm2_Q88T8_S1950_1	1.21	0.27	0.47	0.62	-0.4	-0.02	0.62	-0.32	0.26	1.58	-0.86	-1.27	0.83	-0.83	-0.98	-1.97	-0.8075	-0.8875	-2.035	0.033034	0.108629	0.220079	1	0.99961	0.851208
Srm2_Q88T8_S1973_1	-0.62	-0.24	-0.1	-0.24	-0.15	-0.36	-0.31	-0.2	-0.26	-0.36	-0.82	0.36	-0.05	-0.18	0.01	0.045	-0.105	-0.081	0.31	0.265516	0.855731	0.688007	1	0.99961	0.694532
Srm2_Q88WV_S522_1	1.12	0.65	0.11	0.38	-0.13	0.26	-0.24	0.09	-0.14	0.36	0.38	0.56	0.62	0.66	0.35	0.38	-0.07	-0.275	0.0625	0.84335	0.027347	0.401203	1	0.99961	0.94821
Srm2_Q88WV_S1520_1	0.72	0.23	0.67	0.23	0.19	0.26	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	0.1575	0.58489	0.203094	0.60861	1	0.99961	0.859739
Srm4_Q88K4_S2691_1	0.09	0.3	0.88	0.59	0.16	0.04	0.53	-0.46	0.17	0.56	0.3	0.75	1.18	0.35	0.6	1.1	-0.3975	-0.02	0.345	0.315456	0.339192	0.946078	1	0.99961	0.72069
Srm4_Q88K4_S285_1	0.85	-0.15	0.84	0.06	0.35	0.39	0.66	-0.46	1.35	0.05	-0.28	-0.42	-0.07	0.82	0.06	-0.165	-0.085	-0.18	0.630156	0.358399	0.945893	1	0.99961	0.867378	

Stabp3_D32079_56893_1	-0.49	0.22	-1.02	-0.11	0.49	-0.29	-0.23	-0.37	-0.34	-0.82	-0.85	0.12	-0.5	0.08	0.25	-0.49	0.25	-0.125	0.185	0.620438	0.489881	0.745055	1	0.99961	0.861888
Stabp3_D32079_57509_1	-0.39	-0.23	-3.92	-0.57	-1.01	-0.51	-3.76	-5.13	-0.48	-0.07	-1.12	-5.82	-0.38	-0.41	-6.13	-5.44	-0.2	0.065	-0.6875	0.688284	0.886733	0.76661	1	0.99961	0.888714
Stabp3_D32079_58111_1	-0.39	-0.23	-3.92	-0.57	-1.01	-0.51	-3.76	-5.13	-0.48	-0.07	-1.12	-5.82	-0.38	-0.41	-6.13	-5.44	-0.2	0.065	-0.6875	0.688284	0.886733	0.76661	1	0.99961	0.888714
Stabp3_D32079_58671_1	-1.28	-1.67	-0.47	-1.36	-1.05	-1.57	-0.49	-0.42	-1.71	-1.35	-0.33	-0.33	-0.74	-0.89	-1.11	-0.4	0.21	0.265	0.66	0.097076	0.571566	0.545731	1	0.99961	0.555705
Stabp3_D32079_17499_1	-0.45	0.89	0.87	0.06	-0.11	0.5	-0.42	-0.07	0.56	0.97	0.37	0.86	0.41	0.71	0.58	0.91	-0.5725	0.1675	0.105	0.737326	0.098868	0.938379	1	0.99961	0.930787
Stabp3_Q32004_51120_1	-0.42	-1.11	-0.63	-0.38	-0.56	0.78	-0.62	-0.47	-1.15	-0.53	-0.13	0.09	0.02	0.04	-0.17	-0.17	-0.84	0.15519	0.15519	0.15519	0.15519	0.15519	1	0.99961	0.15519
Stabp3_Q32004_55881_1	-0.56	-0.89	0.52	1.66	1.13	0.21	1.2	0.87	0.29	-0.58	0.81	1.02	-0.62	0.14	1.14	1.85	-0.485	0.1675	0.26	0.70561	0.382861	0.87981	1	0.99961	0.87981
Stabp3_Q32004_55991_1	-2.28	-0.09	-0.29	-1	-1.27	-0.51	-1.05	-0.66	-0.64	-2.09	-0.52	-0.73	0.2	-0.97	-0.25	-0.85	-0.0425	-0.08	0.4475	0.400808	0.93135	0.887885	1	0.99961	0.766996
Stabp3_Q32004_55981_1	-1.45	-0.32	-0.99	-2.36	-0.51	-0.95	-1.99	-1.18	-0.5	-0.88	-1.61	-1.11	-0.33	-1.28	-1.71	-0.0325	0.2675	0.195	0.711846	0.949635	0.573446	1	0.99961	0.900703	
Stabp3_Q32004_57929_1	0.45	-0.24	-0.77	-0.24	-0.86	-0.46	-0.44	-0.24	-0.07	-0.44	-0.24	-0.07	-0.44	-0.24	-0.07	-0.44	-0.24	0.26	0.175	0.686321	0.885511	0.473309	1	0.99961	0.885511
Stabp3_Q32004_5819_1	0.49	2.13	1.96	1.51	1.69	2.25	0.65	2.14	1	1.03	0.06	1.58	2.01	2.17	1.94	2.03	0.16	-0.38	0.515	0.214185	0.743824	0.646296	1	0.99961	0.667209
Stabp3_Q32004_5822_1	-1.42	-0.01	2.54	0.36	-1.79	0.96	-0.57	0.19	-0.47	-0.63	1.13	2.23	0.91	-0.25	2.23	2.35	0.975	0.265	0.945076	0.275824	0.70349	1	0.99961	0.71369	
Stabp3_Q32004_58222_1	0.49	2.13	1.96	1.51	1.69	2.25	0.65	2.14	1	1.03	0.06	1.58	2.01	2.17	1.94	2.03	0.16	-0.38	0.515	0.214185	0.743824	0.646296	1	0.99961	0.667209
Suc2a_Q29229_5279_1	-0.5	0.09	0.39	-0.75	-0.19	-0.73	-0.99	-1.11	-0.54	-0.45	-0.55	-0.42	0	-0.45	-0.25	-0.5	-0.3675	-0.1025	0.0875	0.779491	0.265544	0.713491	1	0.99961	0.920998
Suc2a_Q298865_5234_1	-0.4	0.18	0.87	-0.21	-0.86	-1.51	-0.91	-0.14	-0.26	0.33	-1.03	-1	-1.4	-0.07	0.24	0.39	-0.795	-0.6	-0.32	0.510533	0.092144	0.184582	1	0.99961	0.817683
Sucp2_Q29809_5306_1	0.4	0.76	0.33	-0.29	1.59	1.52	0.62	0.47	1.15	0.53	0.13	1.03	0.99	0.25	0.84	0.8	1.31	0.2125	0.17	0.784121	0.497039	0.539888	1	0.99961	0.532661
Sucp2_Q29809_5733_1	-2.18	-0.77	0.47	-0.7	-0.24	-1.05	0.03	0.02	-1.1	-1.1	0.46	0.92	-0.68	-1.46	0.36	0.81	0.415	0.3775	0.585705	0.970124	0.555057	1	0.99961	0.849524	
Sucp2_Q29809_5838_1	-0.22	0.4	-0.49	-0.81	0.48	0.15	-0.56	-0.35	0.15	0.1	-0.14	-1	0.46	0.03	-0.08	-0.26	0.135	0.0575	0.3175	0.379071	0.71209	0.88224	1	0.99961	0.751637
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07	0.49	-0.51	1.54	-0.5	0.16	2.19	0.85	1.7	0.85	1.075	0.0875	0.197362	0.444516	0.25054	1	0.99961	0.814248		
Sucp2_Q29809_5843_1	-2.06	-1.3	0.3	0.4	1	2.07																			

Sw1t_P4606W_17344_1	-1.33	-0.72	-0.76	-1.16	-0.53	-0.82	-1.17	-0.85	-0.49	-0.8	-1.66	-0.58	-0.96	-0.88	-0.83	0.23	0.15	0.11	0.3825	0.308485	0.595139	0.715194	1	0.99961	0.718534	
Sw1D_080M4_5169b_1	2.28	-2.45	-0.67	0.18	-0.24	-1.51	0.72	-0.74	0.01	1.16	-2.53	0	-0.59	-1.13	0.7	-1.07	-0.2775	-1.75	-0.6075	0.539071	0.767901	0.871038	1	0.99961	0.830899	
Sw1D_080M4_5118b_1	1.84	-1.27	-1.05	-0.37	-0.69	-0.81	-0.12	1.21	1.45	0.84	-0.74	0.07	0.44	-0.14	0.9	-0.77	-0.091	0.725	-0.8675	0.571861	0.952166	0.326977	1	0.99961	0.71661	
Sw1D_080M3_5113b_1	-0.55	-1.23	-1.08	-0.03	-0.86	-1.15	-0.85	-0.91	-1.01	-0.92	-0.99	-0.76	-0.24	-1.04	-0.76	-0.64	0.005	0.0275	0.2775	0.384132	0.984825	0.91844	1	0.99961	0.717421	
Sw1D_080M3_5113b_1	-1.1	-0.41	-0.41	-0.64	-0.24	0.66	-0.84	-0.55	-0.01	-1.7	-0.84	-0.2	0.48	0	-0.24	-0.08	-0.1175	0.0025	0.73	0.048481	0.700653	0.959394	1	0.99961	0.487521	
Sw1D_080M3_5116b_1	1.5	2.7	1.37	1.7	1.7	1.7	1.5	1.7	1.5	1.7	1.5	1.7	1.3	1.7	1.5	1.7	1.5	1.7	1.5	0.900445	0.353616	0.452805	1	0.99961	0.452805	
Sw1D_080M3_7119b_1	1.52	-0.78	-0.82	-0.2	-0.52	-0.89	-0.29	0	-0.64	-0.27	-0.68	-0.54	-0.26	0.54	0.18	0.61	-0.355	-0.3275	0.3375	0.539394	0.512007	0.554787	1	0.99961	0.830899	
Sw1d4_872P1_5159b_2	0.86	-1.78	-1.05	0.15	-0.87	-1.4	0.65	0.05	-2.07	-0.94	-1.07	-0.72	-2.1	-2.7	-1.01	-0.52	0.0625	-0.748	-1.1275	0.125097	0.92524	0.235795	1	0.99961	0.590663	
Sw1d4_872P1_5159b_2	-0.86	-1.78	-1.05	0.15	-0.87	-1.4	0.65	0.05	-2.07	-0.94	-1.07	-0.72	-2.1	-2.7	-1.01	-0.52	0.0625	-0.748	-1.1275	0.125097	0.92524	0.235795	1	0.99961	0.590663	
Sw1d7_092M7_5100b_1	0.4	-0.51	-0.37	-0.69	-0.81	-1.45	0.69	-0.85	-0.4	-0.64	-0.69	-0.84	-0.4	-0.64	-0.69	-0.84	-0.4	-0.64	-0.69	0.3555	0.3555	0.4268	1	0.99961	0.7175	
Sw1d7_092M7_5114b_1	0.63	-0.78	-1.01	-0.32	-1.23	0.84	-0.53	0.04	0.5	0	-1.22	-1.06	-0.78	-0.36	-0.63	-0.37	-0.765	-0.075	0.015	0.973025	0.151549	0.8849	1	0.99961	0.990551	
Sw1d7_092M7_5115b_1	0.63	-0.78	-1.01	-0.32	-1.23	0.84	-0.53	0.04	0.5	0	-1.22	-1.06	-0.78	-0.36	-0.63	-0.37	0.765	-0.075	0.015	0.973025	0.151549	0.8849	1	0.99961	0.990551	
Sw1d7_092M7_504b_1	1.59	-2.4	-2.41	-2.7	-1.2	-0.8	-1.2	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-2.4	0.44037	0.97981	0.5843	1	0.99961	0.781983	
Sw3_63XV1_5290b_1	1.8	0.24	0.74	-0.2	-0.95	0.35	0.78	-0.93	-0.44	-1.1	-0.79	-0.65	-0.37	-1.24	-0.16	-0.67	-0.9375	-0.8675	-1.36	0.010923	0.103779	0.158549	1	0.99961	0.385092	
Sw3_63XV1_5586b_1	-0.56	-2.13	-2.93	-4.27	-2	-3.78	-2.45	-3.53	-3.22	-2.11	-1.34	-5.16	-2.91	-1.49	-4.44	-2.64	-0.475	-0.485	-0.3975	0.642862	0.4986	0.232322	1	0.99961	0.871518	
Sw4_P4074W_5155b_1	0.73	-0.19	1	-0.89	0.17	0.09	-0.82	-0.92	-0.54	0.9	-0.84	-0.24	0.94	0.64	-0.29	-0.35	-0.0325	0.1575	0.5725	0.263872	0.944801	0.761371	1	0.99961	0.691392	
Sw5_080M3_559b_1	0.08	0.36	0.01	0.35	0.72	1.00	0.48	0.39	0.81	0.6	-0.15	-0.05	0.42	0.28	1.04	0.2275	-0.1	0.115	0.72247	0.442301	0.724322	1	0.99961	0.950574		
Sw7_080M7_5107b_1	0.52	0.84	0.76	0.18	0.45	0.88	0.15	0.68	0.15	0.66	0.7	-0.14	0.35	0.68	0.48	0.63	-0.035	-0.2325	-0.04	0.889665	0.903466	0.467293	1	0.99961	0.963505	
Sw7_080M7_5129b_1	-1.28	-0.77	-1.21	-1.02	-0.89	-1.26	-1.14	-0.92	-0.98	-0.82	-1.32	-2.25	-0.25	-0.45	-0.72	-1.44	-0.005	-0.2875	0.34	0.348077	0.992329	0.446012	1	0.99961	0.733032	
Sw7_080M7_5172b_1	-1.7	-0.47	-1.7	-0.1	-1.03	-1.37	-0.26	-0.39	-0.11	-0.55	0.35	0.25	-0.05	-0.09	-0.27	-0.36	-0.11	0.015	0.262029	0.631639	0.813022	1	0.99961	0.916978		
Sw7_080M7_552b_1	-0.38	-0.62	-1.81	0.1	-1.11	-0.77	-0.23	1.2	-0.77	-0.53	-1.43	-0.61	-0.18	-0.91	1.76	1.78	-0.455	-0.3475	0.475	0.539028	0.49978	0.609285	1	0.99961	0.820822	
Sw7_080M7_561b_1	-1.29	-3.21	-1.59	-1.61	-2.08	-2.52	-1.48	-1.85	-2.94	-2.27	-1.63	-1.49	-1.32	-1.4	-1.39	-1.8	-0.0575	-0.1575	0.1975	0.684591	0.9015	0.760138	1	0.99961	0.888888	
Sw7_080M7_561b_2	-3.54	-3.22	-2.71	-1.85	-2.41	-2.52	-2.08	-2.07	-2.36	-2.26	-2.14	-1.93	-2.44	-2.28	-1.45	-1.82	-0.46	0.6575	1.1325	0.025429	0.284994	0.120653	1	0.99961	0.421214	
Sw7_080M7_7252b_1	-0.23	0.66	-0.39	0.2	0.63	0.61	0.14	0.15	0.63	-0.15	-0.08	-0.24	-0.11	0.56	-0.01	0.24	0.3225	0.05	0.174845	0.327185	0.872329	1	0.99961	0.911931		
Sw7_080M7_7262b_1	0.72	-1.12	-0.76	-1.12	-0.85	-0.6	-0.69	-0.96	-0.56	-0.03	-1.29	-1.12	-0.13	0.4	-0.6	-1.45	-0.155	-0.43	-0.125	0.813449	0.760288	0.377	1	0.99961	0.937041	
Sw7_080M7_758b_1	-0.72	-1.36	-0.71	-1.22	-1.49	-0.87	-1	-1	-1.06	0.08	-0.32	-0.79	-0.38	-0.58	-0.57	-0.05	-0.875	-0.48	0.6075	0.077499	0.761728	0.183646	1	0.99961	0.531307	
Sw9_080M9_5159b_1	-1.22	-2.74	-2.22	-1.85	-2.12	-2.92	-2.17	-1.51	-1.65	-0.99	-2.26	-2.16	-1.93	-2.24	-1.42	-1.82	-0.46	0.6275	1.1325	0.025429	0.284994	0.120653	1	0.99961	0.421214	
Sw9_080M9_5207b_1	0.08	-0.29	1.16	0.66	-0.92	-0.43	1.12	-0.35	-1.16	1.12	-0.29	-0.24	-1.3	-1.55	-0.35	-0.89	-0.5475	-0.215	-0.775	0.231386	0.295877	0.633711	1	0.99961	0.681655	
Sw9_080M9_5159b_1	0.93	-1.2	0.32	0.18	-1.9	-0.12	0.12	0	-2.22	-0.47	-2.22	-2.22	-3	-0.37	-1.08	-0.53	-0.5325	-1.1175	-1.3025	0.076582	0.380005	0.148333	1	0.99961	0.542546	
Sw9_080M9_5159b_1	0.98	0.96	-0.35	0.5	0.9	0.58	0.47	0.53	0.64	-0.52	-0.15	0.49	0.83	0.96	0.45	-0.74	0.0795	-0.4075	-0.1475	0.759292	0.782793	0.341817	1	0.99961	0.916416	
Sw9_080M9_5557b_1	0.77	-1.22	-0.81	-0.58	-1.71	0.1	-0.58	-1.23	-0.38	-1.4	-1.31	-0.56	-0.18	0.24	0.27	0.76	-0.02	-0.3525	0.1125	0.359158	0.28808	0.761646	1	0.99961	0.741812	
Sw9_080M9_5159b_1	-0.56	-0.07	-0.5	-0.05	-0.03	-1.13	-0.32	-1.17	-0.29	-0.48	-0.45	0.59	0.78	0.27	0.76	-0.02	-0.3525	0.1125	0.359158	0.28808	0.761646	1	0.99961	0.741812		
Sw9_080M9_5159b_1	-1.02	-1.29	0.03	-0.28	-1.09	-1.67	-0.62	-0.53	-1.33	-1.61	-0.13	0.14	-0.3	-0.88	0.51	0.3	-0.3375	-0.0925	0.3975	0.363531	0.414779	0.854299	1	0.99961	0.745574	
Sw9_080M9_5159b_1	-0.29	-0.2	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	0.02015	0.343015	0.451785	1	0.99961	0.937041	
Sw9_080M9_5159b_1	-0.09	-0.38	-0.7	-0.51	-0.48	0.68	-0.53	-1	-0.51	-0.26	-1.23	-0.8	0.24	0.27	0.02	-0.29	-0.078	-0.28	0.48	0.12792	0.822055	0.78518	1	0.99961	0.95788	
Sw9_080M9_5159b_1	-1.09	-0.92	-0.58	-0.7	-0.79	-0.85	-0.55	-1.48	-0.96	0.11	-0.88	-0.93	-0.09	-0.22	-0.37	-0.77	-0.095	-0.1575	-0.46	0.140206	0.74833	0.680404	1	0.99961	0.616307	
Sw9_080M9_5159b_1	-0.86	-0.45	-0.75	-0.22	-0.18	0.35	0.14	0.11	-0.27	-0.97	-0.55	1.24	0.79	-0.56	0.63	-0.03	-0.205	-0.0025	0.0675	0.8389	0.95908	0.96379	1	0.99961	0.963505	
Sw9_080M9_5159b_1	-0.24	0.1	0.24	0.1	-0.1	0.19	-0.27	0.38	0.14	0.15	-0.38	-0.14	0.31	0.26	0.11	0.11	0.11	0.11	0.11	0.821846	0.80384	0.91666	1	0.99961	0.937041	
Sw9_080M9_5159b_1	0.24	0.5	0.61	0.16	0.26	0.22	-0.09	0.85	0.18	0.63	0.63	0.93	0.47	0.82	0.81	1.2	-0.0675	-0.215	0.4475	0.152438	0.817465	0.45313	1	0.99961	0.625198	
Sw9_080M9_5159b_1	-0.68	0.33	0.33	-0.47	-0.14	-0.25	-0.29	-2.72	-0.7	-0.05	-1.04	-0.89	0.15	-0.44	-0.37	0.83	-1.0275	-0.5475	0.015	0.97346	0.108298	0.163222	1	0.99961	0.919898	
Sw9_080M9_5159b_1	-0.58	-0.5	-0.22	-0.66	-0.47	-0.78	-0.47	-0.46	-0.18	-0.6	-0.31	-0.21	-0.62	-0.48	-0.45	-0.2458	-0.485	-0.2458	-0.025	0.822027	0.348259	0.72442	1	0.99961	0.941135	
Sw9_080M9_5159b_1	-1.41	-1.5	-0.6	-1.31	-1.2	-0.61	-2.01	-1.35	-0.54	-0.47	0.19	-2.4	0	0.02	0.42	-1.1475	-0.975	0	0.06	0.20486	0.140546	0.672181	1	0.99961	0.937041	
Sw9_080M9_5159b_1	-1.23	0.16	-0.72	-0.83	-0.59	-0.43	-0.69	-0.5	-0.59	-0.97	-0.4	0.36	0.58	-0.56	-0.84	-0.63	-0.1025	-0.45	0.2925	0.509194	0.760693	0.320554	1	0.99961	0.816932	
Sw9_080M9_5159b_1	2.39	0.02	1.65	1.28	-1.21	-0.21	1.78	0.23	0.03	1.52	0.43	0.86	-0.62	-1.24	0.73	0.4	-1.875	-0.6	-1.7175	0.014542	0.116417	0.289517	1	0.99961	0.38392	
Sw9_080M9_5159b_1	-0.8	0.18	0.2	-0.1	-0.17	-0.31	-0.1	-0.17	-0.31	-0.1	-0.17	-0.31	-0.1	-0.17	-0.31	-0.1	-0.17	-0.31	-0.1	0.0055	0.711871	0.118455	0.451611	1	0.99961	0.916416
Sw9_080M9_5159b_1	1.02	2.38	2.41	0.33	-0.07	3.01	3.36	1.02	1.63	3.36	0.85	-0.63	-0.84	-0.79	1.81	0.84	-0.45	-0.3225	-0.465	0.359048	-0.542244	0.789577	1	0.99961	0.759399	
Sw9_080M9_5159b_1	-0.23	-0.89	0.6	-0.11	-0.72	-0.89	-0.56	-0.08	-0.13	-0.51	-0.09	-0.06	0.93	0.44	-0.87	-0.17	-0.405									

Tfparr1_G3U070_S855a_2	1.69	1.85	0.97	0.14	0.89	1.24	1.81	0.37	1.78	1.43	1.42	1.49	1.56	-0.54	1.02	1.1	-0.27	0.3675	-0.3775	0.503575	0.628156	0.378661	1	0.99961	0.814092	
Th_P24529_S191_1	2.3	-1.44	-0.13	1.72	-0.95	-0.59	2.25	0.13	-1.32	-1.18	-2.02	0.76	-0.67	-1.06	1.2	-1.38	-0.4025	-1.1225	-1.09	0.239786	0.077337	0.212603	1	0.99961	0.683719	
Th_P24529_S311_1	0.07	-0.77	-0.08	-0.45	0.61	-0.34	0.21	0.4	0.84	-0.18	0.08	0.19	-0.82	-1.08	-0.825	-1.154008	0.597073	0.418831	-1.08	-0.2475	0.647478	1	0.99961	0.763793		
Th_P24529_S401_1	0.31	-0.35	0.06	0.91	-0.3	-0.32	0.51	1.82	-0.37	-0.02	1.16	0.88	0.15	-0.48	1.05	-0.37	0.1935	-0.15	-0.145	0.742632	0.711632	0.705514	1	0.99961	0.90972	
Thada_ABC756_S789_1	0.07	-1.01	-1.04	-1.09	-0.96	-1.16	-1.63	-1.57	-0.72	-1.13	-1.09	-0.26	0.39	-0.59	-1.89	-0.85	-0.0625	0.7825	0.5825	0.412483	0.918165	0.240883	1	0.99961	0.768114	
Thrac1_OB806_S560_1	1.09	2.5	-0.07	-0.28	-2.04	-1.01	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	1	0.99961	0.799143		
Thrac2_B1426_S1417r_1	0.07	0.32	0.31	-1.02	-0.45	0.23	0.23	0.24	-0.03	0.18	0.78	-0.1	0.12	0.2	0.47	0.32	0.55	-0.2075	0.04	0.18	0.505631	0.448646	0.889345	1	0.99961	0.814092
Thra_P63058_S121_1	0.36	0.72	1.88	0.89	0.23	0.59	2.03	0.4	1.73	0.11	1.12	1.55	0.11	-1.41	-1.03	-1.05	0.1	0.415	-1.2925	0.5005	0.838141	0.292296	1	0.99961	0.848346	
Thrap1_O56926_S1590_1	-0.26	-0.47	2.19	-1.46	0.19	0.71	1.53	0.56	0.46	1.12	0.92	0.92	-1.1	-1.18	1.06	0.7	0.03025	0.36	-0.845	0.21302	0.59547	0.520498	1	0.99961	0.668767	
Thrap1_O56926_S1591_1	-0.55	-0.27	-0.08	-0.45	0.63	-0.17	-1.05	-0.27	-1.05	-0.27	-1.05	-0.27	-1.05	-0.27	-1.05	-0.27	-1.05	-0.27	-1.05	-0.27	-1.05	0.520498	1	0.99961	0.763793	
Thrap1_O56926_S243r_1	-0.21	-0.01	-0.45	-1.22	-0.73	-0.72	-0.58	0.74	-0.41	0.14	-1.17	-1	0.26	-0.25	-1.19	-0.45	-0.22	-0.1375	0.065	0.875851	0.493728	0.716387	1	0.99961	0.906053	
Thrap1_O56926_S243r_2	0.51	0.27	-0.08	-0.45	-0.81	0.61	-1	-1.05	-0.53	-0.19	-0.49	-1.32	-0.46	-0.14	-1.09	-0.23	-0.675	-1.195	-0.2875	0.410675	0.389728	0.645471	1	0.99961	0.763793	
Thrap1_O56926_S244r_1	1.06	0.15	0.88	-0.55	-0.61	-0.61	-0.17	0.38	1.13	-0.59	-0.29	-0.46	-0.29	-0.22	0.17	0.06	-0.635048	-0.26	-0.7125	0.048151	0.099947	0.484541	1	0.99961	0.848346	
Thrap1_O56926_S264r_1	-0.98	-1.42	-0.56	-1.37	-1.38	-2.67	-0.81	-0.95	-1.63	-1.27	-0.84	-0.87	0.06	-1.75	-0.46	-0.86	-0.37	0.07	0.33	0.456341	0.4213	0.830929	1	0.99961	0.793236	
Thrap1_O56926_S320r_1	0.15	0.21	1.08	0.68	-0.35	-0.12	0.19	0.44	-0.1	0.59	0.57	0.75	0.3	-0.05	0.65	0.57	-0.49	-0.0775	-0.1625	0.631716	0.153771	0.817899	1	0.99961	0.867677	
Thrap1_O56926_S352r_1	3.05	0.2	1.45	0.73	-0.69	0.09	1.71	-0.51	1.24	0.73	-0.08	-0.64	-0.3	-0.28	0.05	-0.36	-1.0705	-0.295	-1.83	0.017425	0.121574	0.76745	1	0.99961	0.819024	
Thrap1_O56926_S51r_1	1.14	-1.04	-0.05	-0.12	-1.84	-1.59	-0.12	1.18	-2.2	0.77	1.22	-1.96	-1.48	-1.32	-1.44	-1.9	-1.3125	-1.055	1.6475	0.070773	0.046515	0.158852	1	0.99961	0.358173	
Thrap1_O56926_S572r_1	-1.82	1.61	1.08	0.61	0.94	1.17	0.21	0.83	1.1	-0.19	1.12	1.13	0.82	1.24	0.63	1.16	-0.4175	0.42	0.5925	0.397078	0.925994	0.568994	1	0.99961	0.761093	
Thrap1_O56926_S669r_1	-0.46	-0.07	1.15	0.4	-3.06	2.62	0.82	-0.69	3.5	-1.42	-0.28	0.32	-3.19	-0.51	-0.33	-0.96	-0.8925	-0.745	-1.8775	0.131974	0.429419	0.480509	1	0.99961	0.611718	
Thrap1_O56926_S679r_1	-0.02	-0.18	0.29	0.23	0.93	-0.46	-0.69	-0.47	1.15	0.04	0.25	0.04	0.58	-0.31	-0.44	-0.5625	0.0925	0.0725	0.821214	0.245954	0.365669	1	0.99961	0.910431		
Thrap1_O56926_S695r_1	0.22	-2.43	1.01	-0.08	0.36	0.26	0.86	-0.49	3.72	1.15	2.29	2.12	-0.42	-0.13	1.6	0.99	-1.8425	2.64	1.94	0.071852	0.976209	0.007585	1	0.99961	0.532005	
Thrap1_O56926_S860r_1	-0.91	-0.46	-0.33	-0.1	-0.06	0.14	-0.33	-0.02	0.03	-0.06	0.42	0.4	-0.21	-0.29	0.31	0.31	0.1525	0.4175	0.395	0.288319	0.652434	0.248627	1	0.99961	0.760365	
Thrap1_O56926_S935r_1	-1.81	-1.89	-0.05	-0.27	-1.5	2.56	0.7	-0.36	-2.1	-1.76	0.04	0.43	-1.78	-1.21	-0.79	-0.22	-0.7275	1.5175	0.005	0.997237	0.659399	0.825008	1	0.99961	0.709601	
Tlarr1_G3U070_S1407r_1	0.05	0.5	-0.1	0.51	0.64	0.27	0.29	1.6	0.09	-0.49	0.74	1.17	0.37	0.72	0.92	1.28	0.46	0.1375	0.5825	0.097054	0.230363	0.735451	1	0.99961	0.518866	
Tlarr1_G3U070_S1519r_1	-0.86	-1	-2.32	-0.89	-0.28	-1.34	-1.26	-0.89	-1.13	-1.54	-2.87	-1.58	-0.82	-0.39	-1.89	-2.31	0.325	-0.1525	-0.085	0.873867	0.484234	0.311491	1	0.99961	0.959802	
Tlarr1_G3U070_S158r_1	-0.39	-0.64	0.01	-0.57	-0.37	-0.59	-0.26	-0.34	-0.31	-0.3	-0.19	0.18	0.14	0.07	-0.08	-0.2	-0.02425	0.38	0.26	0.02631	0.853951	0.379991	1	0.99961	0.6605	
Tlarr1_G3U070_S1740r_1	-0.41	-0.17	-0.34	0.38	0.73	1.24	0.35	0.92	1.9	0.71	-0.12	-0.22	0.06	0.73	0.22	0.11	-0.6025	0.65	0.1725	0.601746	0.355966	0.275879	1	0.99961	0.852655	
Tlarr1_O6P393_S20r_1	1.35	0.63	2.37	-1.3	3.66	1.76	3.85	0.6	3.86	1.9	3.46	3.77	5.56	1.8	1.04	1.28	1.705	0.985	1.4075	0.253691	0.097417	0.011544	1	0.99961	0.688735	
Tlarr1_O6P393_S440r_1	-1	-0.35	-0.26	-0.92	-0.55	-0.43	-0.52	-1.13	-0.36	-1.04	-1.51	-0.47	0.03	-0.4	-0.77	-1.32	0.5	-0.0975	0.5425	0.286905	0.274431	0.887956	1	0.99961	0.759482	
Tlarr1_O6P393_S600r_1	-0.33	0.22	0.2	0.32	0.4	0.07	-0.04	0.03	0.13	-0.59	0.76	0.9	0.53	0.76	0.8	1.22	0.0125	1.1975	0.46	0.287991	0.962949	0.613652	1	0.99961	0.760002	
Tlrr1_BRH013_S1531r_1	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.279454	0.497128	0.581684	1	0.99961	0.763793	
Tlrr1_BRH013_S1531r_2	0.56	0.46	0.22	0.06	0.62	0.16	-0.42	0.08	0.88	0.76	-0.56	-0.28	0.37	0.19	0.28	-0.11	-0.215	-0.125	-0.1425	0.617874	0.483017	0.572589	1	0.99961	0.861861	
Tlrr1_BRH013_S1521r_1	1.29	-0.73	-0.03	0.99	1.29	0.36	1.31	1.17	0.63	0.02	1.12	-0.03	1.13	0.32	1.12	0.99	0.6255	0.055	-1.09	0.872557	0.20271	0.913978	1	0.99961	0.959468	
Tlrr1_BRH013_S1531r_2	-1.47	-0.1	-0.34	0.38	0.73	1.24	0.35	0.92	1.9	0.71	-0.12	-0.22	0.06	0.73	0.22	0.11	-0.6025	0.65	0.1725	0.601746	0.355966	0.275879	1	0.99961	0.852655	
Tlrr1_BRH013_S1617r_1	-0.25	-0.21	0.12	0.06	0.48	-0.26	0.07	-0.21	0.3	0.02	-0.18	0.14	0.19	-0.3	-0.62	-0.03	-0.015	0.035	-0.225	0.464844	0.95711	0.891112	1	0.99961	0.791496	
Tlrr1_BRH013_S1621r_1	-0.24	-0.37	0.06	0	0.6	-0.13	-0.24	-0.14	0.41	0.72	0.12	-0.06	0.13	0.08	0.09	0.31	-0.025	0.25	0.105	0.706271	0.932839	0.642641	1	0.99961	0.889066	
Tlrr1_BRH013_S189r_1	0.69	-1.77	-0.48	-1.34	-0.76	0.65	-0.11	-0.53	-1.43	-0.22	-0.09	-0.53	-0.81	-0.03	-0.84	0.44	-0.295	0.2825	0.51	0.338852	0.57413	0.045204	1	0.99961	0.754721	
Tlrr1_BRH013_S1912r_1	0.13	1.11	1.29	0.09	0.23	0.93	-0.47	1.15	0.05	0.88	0.76	-0.56	-0.28	0.37	0.19	0.28	-0.11	-0.215	-0.1425	0.617874	0.483017	0.572589	1	0.99961	0.763793	
Tlrr1_BRH013_T154r_1	-0.28	-1.46	-2.81	-2.87	-1.31	-1.28	-2.2	-2.79	-1.16	-0.98	-2.28	-3.06	-1.82	-0.75	-3.31	-2.93	-0.4	-0.015	-0.3475	0.642128	0.950316	0.982931	1	0.99961	0.871352	
Tlrr1_P19447_S912r_1	0.52	1.91	0.37	1.19	0.69	1.71	0.61	1.23	1.19	1.96	1.26	1.67	0.91	1.98	1.56	2.04	-0.3075	0.1225	0.255	0.554108	0.463758	0.696863	1	0.99961	0.837955	
Tlrr2_G2D010_S107r_1	-0.42	0.3	0.05	-0.67	-0.39	-0.82	0.77	0.03	-0.52	-0.41	-0.44	0.09	-0.44	-0.57	0.03	-0.11	0.02	0.1975	0.577341	0.669216	0.945066	1	0.99961	0.838305		
Tlrr2_G2D010_S1131r_1	-0.45	0.51	0.33	0.09	-0.18	-0.19	-0.47	0.1	0.46	0.04	0.07	0.14	0.08	0.48	0.38	-0.1575	0.68	0.0725	0.074704	0.672728	0.729224	1	0.99961	0.530824		
Tlrr2_G2D010_S121r_1	-2.24	-6.36	-7.38	-6.17	-4.12	-4.53	-6.08	-6.44	-0.01	-3.73	-4.22	-1.11	-4.57	-1.11	-5.91	-1.31	0.245	0.52	-0.3925	0.379601	0.82143	0.939465	1	0.99961	0.907709	
Tlrr2_G2D010_S139r_1	0.44	0.54	1.08	0.52	0.25	0.54	0.01	0.37	0.69	1.28	0.33	0.92	0.93	0.63	1.06	1.22	-0.3525	0.16	0.315	0.306562	0.216985	0.94178	1	0.99961	0.717667	
Tlrr2_G2D010_S139r_2	-0.42	-0.63	-0.21	-0.12	-0.14	-0.15	-0.08	-0.11	-0.15	-0.08	-0.11	-0.15	-0.08	-0.11	-0.15	-0.08	-0.11	-0.15	-0.08	0.076564	0.358241	0.62628	1	0.99961	0.817632	
Tlrr2_G2D010_S140r_1	0.46	-0.34	0.67	0.51	-1.02	0.07	0.4	0.05	-0.11	-0.48	-0.05	-0.11	-0.81	-0.13	-0.13	-0.13	-0.45	-0.2725	-1.035	0.023564	0.266397	0.409418	1	0.99961	0.415644	
Tlrr2_G2D010_S1421r_1	0.44	-7.35	-3.15	-2.27	-2.13	-6.68	-1.75	-0.49	-8.31	-0.2	-2.96															

Tsc2_G3U8H2_S1121z_1	0.24	0.63	-0.48	0.98	0.23	0.41	0.6	0.74	-0.3	0.74	0.31	1.17	-2.4	0.59	0.31	-0.13	0.1525	0.1375	-0.75	0.277813	0.670088	0.754499	1	0.999631	0.700874
Tsc2_G3U8H2_S1254z_1	-0.48	0.54	0.49	-0.18	-0.03	0.42	0.28	0.89	0.6	0.39	-0.99	1.4	0.94	0.76	1.34	0.82	0.299	0.2575	0.8725	0.027813	0.400445	0.634145	1	0.999631	0.822977
Tsc2_G3U8H2_S1366z_1	0.34	-0.41	-0.35	0.12	0.66	-0.07	0.21	0.17	-0.1	0.16	-0.66	-0.29	0.24	-0.39	0.28	0.15	0.05	-0.3471	0.6425	0.18802	0.571423	0.549565	1	0.999631	0.835792
Tsc2_G3U8H2_S1431z_1	-0.19	0.01	-0.13	-0.04	0.03	-0.81	-0.71	-0.08	0.2	-0.21	0.03	0.58	0.67	0.21	0.15	0.33	-0.305	0.2375	0.027813	0.418002	0.307448	0.976133	1	0.999631	0.617276
Tsc2_G3U8H2_S1664z_1	-0.49	-0.48	-0.08	-0.9	-0.42	0.69	-0.51	-0.54	-0.46	-0.6	-0.28	-0.33	0.4	-0.1	-0.46	0.3	-0.065	0.0575	0.36	0.296607	0.80791	0.837355	1	0.999631	0.709055
Tsc2_G3U8H2_S1981z_1	-1.2	1.09	-0.2	1.03	0.72	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.171869	0.18011	0.451608	1	0.999631	0.849413
Tsc2_G3U8H2_T1271z_1	-0.84	0.42	-0.95	-0.6	-0.26	-0.13	-1.14	-0.93	-0.46	-0.6	-1.07	-1.32	0.13	-0.06	-1.31	-0.47	-0.125	-0.37	0.065	0.88444	0.76114	0.353432	1	0.999631	0.963502
Tsc2Z02_E9QWZ0_S587z_1	0.51	1.41	0.5	0.71	0.03	1.72	0.39	1	0.97	0.78	0.59	0.97	0.73	1.48	1.28	1.58	0.0025	0.405	0.485	0.812788	0.995278	0.882679	1	0.999631	0.641861
Tsc2Z04_C9QWZ0_S58z_1	0.03	0.58	-0.27	-0.27	1.1	1.25	-0.49	2.25	0.9	1.15	-0.27	1.4	1.66	1.15	1.42	0.61	0.51	0.51	1.035	0.017165	0.413127	0.154895	1	0.999631	0.835092
Tsc2Z04_C9QWZ0_S62z_1	0.16	-0.22	-0.12	0.61	-0.06	-0.07	-0.61	-0.42	-0.39	-0.24	-0.39	0.24	0.24	-0.39	0.24	-0.39	0.24	0.11	0.275	0.740077	0.114112	0.608446	1	0.999631	0.808664
Tsc2Z04_C9QWZ0_S65z_1	1.19	-2.36	-0.53	0.34	-1.11	-1.83	0.12	-0.95	-1.35	-1.08	-1.08	-1.26	-1.19	-2.69	-1.21	-2.6	-6.025	-0.6275	-1.5825	0.000209	0.432389	0.390146	1	0.999631	0.505461
Tsc2Z04_C9QWZ0_S148z_1	0.13	0.84	0.54	0.37	0.6	0.64	0.14	-0.18	0.4	0.65	0.37	1.04	0.64	1.13	1.31	0.58	-0.17	0.145	0.445	0.183823	0.580652	0.625866	1	0.999631	0.644372
Tsc2Z04_C9QWZ0_S151z_1	0.19	0.56	0.13	0.17	-0.14	-0.24	-0.02	-0.12	-0.14	-0.02	-0.12	-0.14	-0.02	-0.12	-0.14	-0.02	-0.12	0.16	0.04	0.41	0.1852	0.26	1	0.999631	0.838917
Tsc2Z04_C9QWZ0_S154z_1	0.35	0.3	0.04	0.34	0.1	-0.11	-0.14	-0.53	0.15	0.41	-0.2	-1.21	0.05	0.34	0.03	-0.76	-0.4275	-0.22	-0.0925	0.819052	0.122346	0.65058	1	0.999631	0.938303
Tsc2Z04_C9QWZ0_S156z_1	0.39	3.17	2.68	0.9	1.7	2.38	0.20	1.29	2.89	0.91	2.62	2.11	1.87	2.48	2.13	1.65	0.065	0.3475	0.2475	0.659058	0.918814	0.828524	1	0.999631	0.859504
Tsc2Z04_C9QWZ0_S159z_1	2.51	-0.04	1.37	2.02	0.98	1.36	2.42	1.32	1.11	1.86	0.92	0.01	-2.36	0.01	1.02	-0.19	0.05	0.49	-1.77	0.4074	0.937064	0.429767	1	0.999631	0.841835
Tsc2Z04_C9QWZ0_S161z_1	0.21	1.04	1.19	0.89	0.69	0.49	0.64	0.35	1.24	1.17	0.68	0.95	0.74	1.36	0.73	0.72	-0.2875	0.1775	0.0725	0.827638	0.339156	0.570332	1	0.999631	0.941302
Tsc2Z04_C9QWZ0_S162z_1	1.09	1.28	1.28	0.81	0.94	1.38	0.73	1.12	1.05	1.52	1.08	1.51	1.34	1.64	1.29	1.36	-1.1225	0.175	0.2925	0.305895	0.637061	0.528604	1	0.999631	0.716954
Tsc2Z04_C9QWZ0_S163z_1	1.48	0.57	-0.48	1.19	1.99	1.3	1.39	1.35	1.33	0.89	1.36	0.58	1.78	0.88	0.61	0.87	0.8175	0.35	-0.545	0.43731	0.029284	0.943596	1	0.999631	0.781057
Tsc2Z04_C9QWZ0_S164z_1	0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	1	0.999631	0.617177
Tsc2Z04_C9QWZ0_S165z_1	0.27	0.72	0.19	0.56	-2.19	0.18	-1.15	-0.45	0.48	0.88	-0.1	0.23	-0.76	-0.11	-0.49	0.38	-1.0573	0.215	-0.345	0.396	0.701003	0.56133	1	0.999631	0.765006
Tsc2Z04_C9QWZ0_S166z_1	1.14	-0.22	-1.11	1.13	0.01	-0.02	1.13	1.49	0.22	0.63	1.11	0.21	-2.07	0.42	0.34	0.66	0.6675	0.3075	-0.3975	0.594808	0.266791	0.577461	1	0.999631	0.854138
Tsc2Z04_C9QWZ0_S167z_1	0.61	0.74	0.22	-0.9	-2.05	-0.81	-0.79	-1.35	-1.13	1.26	-1.32	-1.24	-1.88	-1.3	-2.2	-0.475	-0.405	-1.425	0.007423	0.041621	0.537763	0.537763	1	0.999631	0.358173
Tsc2Z04_C9QWZ0_S168z_1	0.34	0.82	-0.06	0.29	0.62	0.65	-0.13	0.36	0.55	0.74	0.17	0.84	0.1	0.41	0.94	0.71	0.0275	0.275	0.1525	0.563009	0.920949	0.642685	1	0.999631	0.841193
Tsc2Z04_C9QWZ0_S169z_1	-0.26	-0.33	-0.08	-1.27	-0.13	-2.25	-0.34	-1.12	-1.74	-1.16	0.04	-0.76	-2.7	-1.3	-0.67	-0.24	-0.42	-0.625	0.321412	0.51093	0.36228	0.36228	1	0.999631	0.72408
Tsc2Z04_C9QWZ0_S170z_1	2.46	0.1	0.39	1.5	0.31	0.55	2.03	0.58	0.43	1.5	0.4	-0.56	-2.06	-0.69	0.09	-0.52	-0.195	-0.62	-1.8575	0.016768	0.755307	0.456462	1	0.999631	0.931024
Tsc2Z04_C9QWZ0_S171z_1	-0.27	-0.41	-0.27	-0.56	-0.47	-1.21	-0.1	-0.06	-0.43	-0.1	-0.06	-0.43	-0.1	-0.06	-0.43	-0.1	-0.06	-0.43	0.125	0.16761	0.561899	0.23781	1	0.999631	0.745592
Tsc2Z04_C9QWZ0_S172z_1	-0.95	-0.35	-0.05	-0.48	-0.51	-0.35	-0.66	-0.82	-0.61	0.24	0.62	-0.38	-0.41	-0.47	-0.59	-0.7	-15.525	0.4	-0.0025	0.993566	0.608675	0.300057	1	0.999631	0.997705
Tsc2Z04_C9QWZ0_S173z_1	1.14	-0.22	-1.11	1.13	0.01	-0.02	1.13	1.49	0.22	0.63	1.11	0.21	-2.07	0.42	0.34	0.66	0.6675	0.3075	-0.3975	0.594808	0.266791	0.577461	1	0.999631	0.854138
Tsc2Z04_C9QWZ0_S174z_1	1.14	-0.22	-1.11	1.13	0.01	-0.02	1.13	1.49	0.22	0.63	1.11	0.21	-2.07	0.42	0.34	0.66	0.6675	0.3075	-0.3975	0.594808	0.266791	0.577461	1	0.999631	0.854138
Tsc2Z04_C9QWZ0_S175z_1	1.35	0.21	0.26	0	0.2	1.95	0.88	1.02	0.6	1.57	0.66	0.25	-0.64	0.78	0.57	0.31	0.4975	0.315	-0.2	0.650799	0.288761	0.648207	1	0.999631	0.878297
Tsc2Z04_C9QWZ0_S176z_1	0.34	-1	-1.48	0.4	0.4	0.05	0.31	0.73	0.4	0.8	0.26	0.83	0.59	0.46	1.16	0.79	-0.1325	0.2675	0.445	0.388487	0.799142	0.95958	1	0.999631	0.757772
Tsc2Z04_C9QWZ0_S177z_1	-0.8	0.34	0.73	0.33	0.47	0.02	0.34	0.77	0.5	-1.08	0.99	1.58	1.19	0.78	-0.19	-0.22	0.25	0.7275	0.35	0.442254	0.554171	0.429568	1	0.999631	0.782337
Tsc2Z04_C9QWZ0_S178z_1	-0.17	-0.44	-0.17	-0.44	-0.17	-0.44	-0.17	-0.44	-0.17	-0.44	-0.17	-0.44	-0.17	-0.44	-0.17	-0.44	-0.17	-0.44	0.125	0.16761	0.561899	0.23781	1	0.999631	0.745592
Tsc2Z04_C9QWZ0_S179z_1	-0.3	-0.72	-0.19	-0.65	-0.96	-0.84	-0.2	-0.94	-1	-0.64	0.5	-0.47	-0.9	-0.16	-0.64	-0.62	-0.365	-0.0575	-0.21	0.530407	0.273155	0.887211	1	0.999631	0.826702
Tsc2Z04_C9QWZ0_S180z_1	-2.23	-2.76	-0.41	-1.17	-1.66	-3.67	-3.32	-3.44	-2.98	-3.3	-2.85	-0.37	-0.35	-2.8	-3.36	-1.69	0.02	-0.0075	0.4925	0.511829	0.97074	0.98019	1	0.999631	0.817687
Tsc2Z04_C9QWZ0_S181z_1	0.71	-0.28	-0.49	-0.85	-0.86	-0.4	-1.03	-0.67	-0.64	-0.43	-0.61	-0.6	0.71	0.01	-0.87	-0.42	-0.1575	0.2025	0.44	0.274131	0.567332	0.916121	1	0.999631	0.701087
Tsc2Z04_C9QWZ0_S182z_1	-0.34	-0.1	-0.3	-0.76	-0.17	0.14	-0.68	-0.08	-0.15	0.79	-0.12	-0.25	-0.09	-0.5	-0.35	0.335	0.229	0.135	0.29	0.330588	0.71085	0.47889	1	0.999631	0.727303
Tsc2Z04_C9QWZ0_S183z_1	-1.75	-1.77	-1.84	-2.89	-1.68	-1.9	-2.48	-2.99	-2.14	-2.16	-2.05	-1.68	-0.03	-1.84	-1.59	-1.82	-0.2	0.055	0.7425	0.155955	0.624581	0.872328	1	0.999631	0.624582
Tsc2Z04_C9QWZ0_S184z_1	-1.48	0.04	1.04	0.01	-0.14	-0.05	0.01	0.72	0.04	-0.63	0.82	1.2	0.31	0.36	0.31	0.72	0.2325	0.455	0.3975	0.433534	0.654291	0.456269	1	0.999631	0.779567
Tsc2Z04_C9QWZ0_S185z_1	1.86	0.4	0.8	0.82	-0.55	0.02	1.66	-0.12	-0.44	0.32	0.64	-0.13	-0.38	-0.11	-0.45	-0.5175	-0.7375	-1.0425	0.00428	0.293776	0.23666	0.23666	1	0.999631	0.351308
Tsc2Z04_C9QWZ0_S186z_1	0.02	0.35	-0.02	0.35	-0.02	0.35	-0.02	0.35	-0.02	0.35	-0.02	0.35	-0.02	0.35	-0.02	0.35	-0.02	0.35	0.29	0.397607	0.560603	0.434742	1	0.999631	0.761187
Tsc2Z04_C9QWZ0_S187z_1	0.51	0.05	0.47	1.27	-0.27	-0.26	0.64	0.02	-0.24	0.71	0.44	-0.83	-0.19	-1	-0.58	-0.92	-0.5525	-0.555	-1.2475	0.005953	0.152062	0.216142	1	0.999631	0.351545
Tsc2Z04_C9QWZ0_S188z_1	-0.26	-1.91	0.4	0.44	-1.75	-1.54	0.07	0.63	-0.28	-0.37	0.08	0.42	-1.72	-1.83	0.75	0.42	-0.315	-0.155	0.2625	0.733455	0.603498	0.823863	1	0.999631	0.907402
Tsc2Z04_C9QWZ0_S189z_1	-0.21	0.67	0.1	0.17	-0.01	-0.14	-0.13	-0.14	-0.13	-0.14	-0.13	-0.14	-0.13	-0.14	-0.13	-0.14	-0.13	-0.14	0.675	0.004641	0.107492	0.128518	1	0.999631	0.617177
Tsc2Z04_C9QWZ0_S190z_1	-1.48	-2.45	1.56	2.6	-1.47	-2.95	-0.66	3.27	-1.37	-3.4	1.5	0.96	-2.15	1.38	1.94	2.87	-0.51	-0.635	-0.1875	0.906498	0.737661	0.652824	1	0.999631	0.9680

Unc13a_08KU02_T416i,1	0.99	-0.67	1.01	-0.03	-1.93	-0.42	1.74	-1.9	-2.87	-0.29	-0.73	-0.09	-0.36	-1.75	0.4	-0.95	-0.7425	-1.32	-0.99	0.104876	0.399075	0.076545	1	0.99961	0.568213
Unc13a_08KU02_S1250i,1	2.04	-0.85	0.62	0.49	-1.51	-0.39	1.27	-0.81	-0.63	1.83	-0.61	-0.74	-0.33	-1.12	-0.8	-1.06	-0.935	-0.6125	-1.4025	0.014146	0.222842	0.420952	1	0.99961	0.414911
Unc13a_08KU07_T511i,1	0.39	-1.67	-0.35	-1.06	-0.57	-0.12	-0.41	-0.19	-0.14	0.59	-0.34	0.04	-0.48	-0.31	-1.12	-0.75	0.245167	0.490726	0.1544	0.245167	0.490726	1	0.99961	0.568213	
Unc13a_08KU07_S143i,1	1.58	-0.66	0.31	0.72	-0.92	0.83	1.77	-0.11	-0.73	0.72	-0.13	-1.23	-0.28	-0.41	-0.08	-0.85	-0.095	-0.83	-0.8925	0.086784	0.886093	0.071651	1	0.99961	0.553514
Unc13a_08KU07_S155i,1	0.15	-0.66	-1.01	-0.99	0.44	0.32	-0.59	-0.68	-0.37	-1.52	-0.49	-1.54	-0.67	-0.86	-1.9	-0.13	0.34	-0.525	-0.2625	0.567711	0.385404	0.411548	1	0.99961	0.840307
Unc13a_08KU14_S447i,1	-0.27	-0.22	0.08	0.17	-0.24	-0.12	-0.24	-0.12	-0.24	-0.12	-0.24	-0.12	-0.24	-0.12	-0.24	-0.12	0.36	0.190806	0.5290	0.24	0.36	0.190806	1	0.99961	0.568213
Unc13a_08KU14_S638i,1	-0.76	-1.07	0.48	-0.31	-0.13	-0.12	-0.75	-0.12	0.07	0.83	0.04	-0.26	1.2	1.29	-0.47	-0.19	-0.0075	0.05	0.3375	0.554680	0.98746	0.012597	1	0.99961	0.568213
Unc79_ESCIV9_S1579i,1	-0.55	-0.2	-1.54	-0.64	0.25	0.37	-0.29	-0.69	-0.1	-1.1	-0.24	-0.8	0.6	0.47	-0.54	-1.22	0.6425	0.1725	0.56	0.275566	0.121502	0.68101	1	0.99961	0.701817
Unc79_ESCIV9_S1689i,1	0.35	-0.42	-0.56	-0.31	-0.19	-0.81	-0.82	-0.08	0.06	-0.01	-0.62	-0.41	-0.82	-0.17	-0.39	-0.96	-0.14	0.09	-0.25	0.533979	0.607026	0.79842	1	0.99961	0.814092
Unc79_GAL4S_0078i,1	1.34	0.44	0.55	-1.36	0.56	0.27	0.58	0.11	0.34	0.1	0.56	0.44	-0.48	-0.48	-0.39	-0.48	0.09	0.121	0.22054	0.354122	0.30689	0.0273	1	0.99961	0.670921
Unc80_08BLN6_S1259i,1	2.35	0.58	-0.42	0.89	0.51	0.207	0.98	-0.14	1.07	1.53	-0.22	-0.64	0.74	1.19	-0.26	-0.16	-0.205	-0.625	-0.6825	0.214738	0.752472	0.32308	1	0.99961	0.669718
Unc80_08BLN6_S166i,1	1.3	-1.29	-0.84	-0.42	-3.07	2.85	1.78	-1.63	-4.62	0.52	1.74	-0.81	-2.72	-2.88	-2.92	-0.85	-1.13	-1.35	-2.03	0.012294	0.807563	0.021223	1	0.99961	0.383092
Unc80_08BLN6_S246i,1	-0.29	-2.11	-0.82	-1.41	-0.25	-0.12	-0.52	-1.21	-0.62	-0.17	-0.12	-0.65	-0.40	-0.38	-0.22	-0.18	-0.22	0.33	0.171	0.8075	0.344717	0.15671	1	0.99961	0.783803
Unc80_08BLN6_S246i,2	-0.8	-0.6	-0.6	-1.19	-1.04	-0.98	-0.95	-1.2	-1.05	-0.56	-1.91	-1.5	-0.09	-1.17	-0.75	-0.37	-0.195	-0.4075	0.2975	0.40631	0.447033	0.265286	1	0.99961	0.761218
Unc80_08BLN6_S257i,1	-0.13	-1.16	0.14	-0.95	-0.72	-0.7	-0.75	-0.88	-1.1	-0.54	-0.05	-0.33	0.58	-1.33	0.05	-0.04	-0.2375	0.02	0.34	0.495881	0.499358	0.959883	1	0.99961	0.811036
Unc80_08BLN6_S257i,2	-0.8	-0.8	-0.6	-1.19	-1.04	-0.98	-0.95	-1.2	-1.05	-0.56	-1.91	-1.5	-0.09	-1.17	-0.75	-0.37	-0.195	-0.4075	0.2975	0.40631	0.447033	0.265286	1	0.99961	0.761218
Unc80_08BLN6_S259i,1	-1.1	-0.78	-0.55	-0.3	-1.02	-1.1	-0.75	-0.81	-1.1	-0.29	0.72	-0.79	-1.9	-1.16	-0.06	-0.27	0.24	-0.045	0.0075	0.17491	0.393813	0.883811	1	0.99961	0.961027
Unc80_08BLN6_S312i,1	-0.28	-0.47	0.01	0.37	-0.62	-1.18	-0.09	-0.66	-0.62	-1.22	-1.44	-0.55	-0.21	-0.49	0.13	-0.39	-0.54	-0.615	-0.1475	0.642238	0.122892	0.107729	1	0.99961	0.871335
Unc80_08BLN6_S316i,1	-0.21	-0.1	-0.34	0.78	-0.57	-0.51	-0.21	0.83	-0.05	-0.04	1.03	0.34	0.01	0.54	-0.16	1.62	-0.1975	0.2375	0.42	0.376698	0.631904	0.534994	1	0.99961	0.748858
Unc80_08BLN6_S3203i,1	-1.06	-0.54	-0.47	-0.07	-0.33	0.18	-0.37	0.58	-0.16	-0.63	0.16	0.09	-0.13	0.01	-0.83	0.2225	0.09	0.295	0.464651	0.542656	0.943832	1	0.99961	0.802624	
Unc80_08BLN6_S415i,1	-0.73	-1.31	-0.58	-1.11	-0.57	-1.16	-0.66	-0.01	-0.05	-1.2	0.18	-0.27	-1.47	-1.18	-1.75	-0.96	0.3325	0.05075	-0.4075	0.224395	0.327413	0.170133	1	0.99961	0.67471
Unc80_08BLN6_S526i,1	0.21	-0.19	-0.16	-0.19	-0.12	-0.61	-0.06	-0.56	-0.59	-0.3	-0.19	-0.98	-0.96	-0.52	-0.8	0.4	-0.255	-0.4325	-0.5875	0.063096	0.353449	0.157647	1	0.99961	0.512978
Unc80_08BLN6_S7104i,1	0.24	-1.91	0.18	0.33	-0.2	-0.05	0.17	0.09	0.14	0.19	0.06	-0.75	-0.73	0.51	0.66	0.06	0.3025	0.2	0.385	0.508764	0.556774	0.173541	1	0.99961	0.816932
Unc80_08BLN6_S740i,1	-0.5	0.56	1.46	0.55	0.18	0.58	0.21	0.74	0.69	0.82	1.03	1.26	1.24	0.92	1.49	0.98	-0.09	0.4325	0.64	0.155148	0.830069	0.319227	1	0.99961	0.629514
Unc80_08BLN6_S771i,1	-0.35	-1.02	1.71	0.16	0.3	0.35	0.76	0.86	1.38	0.93	1.64	1.67	-1.22	1.42	2.36	0.44	-0.0675	0.07	0.365	0.572282	0.883025	0.126635	1	0.99961	0.84622
Unc80_GSF007_S151i,1	-0.74	1.45	-0.28	0.37	0.3	0.34	-0.34	-0.21	0.72	0.41	0.44	0.38	1.42	0.75	0.72	0.54	-0.0725	0.2875	0.6575	0.206669	0.877793	0.541536	1	0.99961	0.699215
Unc80_GSF007_S1689i,1	-0.57	-0.42	-0.57	-0.24	-0.13	-0.7	-0.24	-0.13	-0.7	-0.24	-0.13	-0.7	-0.24	-0.13	-0.7	-0.24	-0.13	-0.7	-0.24	0.41661	0.248009	0.31532	1	0.99961	0.781981
Unc80_GSF007_S17i,1	-0.17	-0.65	-0.33	-0.52	-0.73	-1.02	-0.41	-1.04	-1.82	-1.1	-0.16	0.19	0.12	-2.48	-1.27	-0.3825	-0.305	-0.4725	0.421797	0.181369	0.509282	0.01762	1	0.99961	0.772942
Unc10_GJT105_S341i,1	-0.44	0.03	0.73	0.71	-0.2	-0.24	0.95	0.52	-0.46	-0.51	-0.4	-0.25	0.54	-0.91	0.35	-0.38	1.188	-0.46	-0.625	0.375	0.426222	1	0.99961	0.774781	
Unc10_P52479_S108i,1	-1.16	-0.78	-0.15	-0.24	0.05	-0.85	-0.31	-0.35	-0.67	0.74	-0.32	0.27	0.19	-0.05	0.35	-0.66	0.2175	0.2175	0.445	0.236821	0.529693	0.552524	1	0.99961	0.684043
Unc10_P52484_S986i,1	-1.7	-0.63	-1.16	-0.28	-0.55	-0.99	-1.41	-1.28	-0.63	-1.16	-1.28	-0.63	-1.16	-1.28	-0.63	-1.16	-1.28	-0.63	-1.16	0.019945	0.727234	0.94278	1	0.99961	0.912668
Unc10_P52489_S109i,1	-0.8	-0.02	-0.01	-0.63	0.19	-0.7	-0.51	-0.49	0.36	0.52	-0.36	-0.1	1.35	0.06	-0.37	0.29	0.0125	0.47	0.6975	0.127376	0.969442	0.184279	1	0.99961	0.597878
Unc10_P52498_S1279i,1	-1.13	-1.82	-1.28	-1.11	-1.38	-1.62	-0.99	-1.2	-1.34	-1.23	-1.38	-0.92	-1.07	-2.12	-1.38	-1.7	0.0375	0.1175	0.2325	0.502316	0.896142	0.682568	1	0.99961	0.814092
Unc10_P52498_S1279i,2	0.54	0.55	-0.55	-0.61	1.16	0.68	0.64	0.89	0.58	0.35	0.09	0.02	1.05	0.73	0.31	0.53	-0.55	-0.0275	-0.1575	0.741917	0.126431	0.936707	1	0.99961	0.903028
Unc10_P52498_S1621i,1	0.64	0.14	-0.12	-0.04	0.05	0.12	-0.29	0.54	-0.13	0.09	-0.04	-0.38	0.24	0.3	-0.13	-0.13	-0.05	-0.02	-0.04	0.6907	0.868624	0.378885	1	0.99961	0.982839
Unc10_P52498_S1722i,1	1.57	-0.62	-0.53	1.52	1.58	1.03	1.55	0.98	0.67	0.63	1.05	-0.3	-1.4	0.4	0.87	0.09	0.08	0.0275	-0.495	0.487252	0.972461	0.944226	1	0.99961	0.802885
Unc10_P52498_S1762i,1	-0.4	-0.01	-0.47	-0.07	-0.33	0.18	-0.37	0.58	-0.16	-0.63	0.16	0.09	-0.13	0.01	-0.83	0.2225	0.09	0.07	0.813642	0.872656	0.943832	1	0.99961	0.919741	
Unc10_P52498_S1762i,2	-0.55	-0.47	-0.2	-0.49	-0.44	-0.3	-0.66	-0.2	-0.57	-0.09	-0.41	0.12	0.57	-0.09	-0.37	-0.31	0.0275	0.13	0.3775	0.249681	0.912056	0.622043	1	0.99961	0.683559
Unc10_P52498_S1839i,1	0.62	-0.65	-0.37	-0.22	-0.55	-0.39	-0.16	-0.21	-0.51	0.4	0.41	-0.79	-0.7	-0.68	-0.46	-0.57	-0.1275	-0.1725	-0.4475	0.210594	0.602877	0.606453	1	0.99961	0.664726
Unc10_P52498_S1784i,2	-0.01	-0.03	-0.03	-0.25	-0.59	-0.11	-0.55	-0.86	-0.08	0.7	0.49	0.13	-0.21	-1.76	0.2	0.13	0.335	-0.0325	0.957006	0.736804	0.545843	1	0.99961	0.940749	
Unc10_P52498_S1839i,2	-0.63	-0.03	-0.63	-0.03	-0.63	-0.03	-0.63	-0.03	-0.63	-0.03	-0.63	-0.03	-0.63	-0.03	-0.63	-0.03	-0.63	-0.03	-0.63	0.756919	0.724846	0.24864	1	0.99961	0.940749
Unc10_P52498_S1839i,3	-1.16	-1.37	-0.83	-1.02	-1.11	-0.36	0.28	0.05	-1.26	-0.8	0.64	-0.28	-0.54	-1.15	-0.58	-0.15	0.1925	0.0525	-0.1275	0.804881	0.972318	0.929427	1	0.99961	0.940749
Unc10_P52498_S1839i,4	-0.3	-0.01	-0.03	0.25	-0.59	-0.42	-0.11	0.55	-0.86	-0.08	0.7	0.49	0.13	-0.21	-1.76	0.2	0.13	0.335	0.0325	0.957006	0.736804	0.545843	1	0.99961	0.940749
Unc10_P52498_S1839i,5	-0.02	-1.69	0.51	0.16	0.25	-0.59	-0.42	-0.11	0.55	-0.86	-0.08	0.7	0.49	0.13	-0.21	-1.76	0.2	0.13	0.335	0.0325	0.957006	0.736804	1	0.99961	0.940749
Unc10_P52498_S1839i,6	1.32	0.09	0.95	0.57	-0.02	0.29	1.3	0.01	0.47	1.43	0.85	0.72	-0.08	-0.16	0.74	0.49	-0.3375	-0.135	-0.485	0.219932	0.416091	0.714102	1	0.99961	0.670921
Unc10_P52498_S1839i,7	2.12	0.72	-0.66	1.75	2.22	1	1.79	1.67	1.64	0.54	1.31	0.3	-1.33	0.94	0.26	0.77	0.6875	-0.035	-0.8225	0.265553	0.272937	0.955701	1	0.99961	0.696644
Unc10_P52498_S1839i,8	0.69	0.22	-1.56	2.18	-0.88	-0.37	2.18	0.64	-0.03</																

W925_E90349_S60_1	0.82	1.49	0.04	1.06	1.29	0.56	0.62	0.61	1.23	1.47	0.41	1.54	-1.84	1.22	-0.31	0.02	-0.0825	0.31	-1.08	-0.113415	0.823807	0.454764	1	0.99961	0.570688	
W926_E00YH4_S011_1	0.37	0.19	-1.2	-0.03	0.92	0.75	0.63	0.85	-1.02	1.1	0.69	1.05	-0.35	0.87	0.67	0.35	0.87	0.67	0.35	0.87	0.67	0.35	0.87	1	0.99961	0.760996
W931_O84045_S1004_1	0.8	2.38	0.1	2.38	1.36	1.28	1.78	1.95	1.21	1.78	1.18	1.11	1.18	1.11	0.81	2.05	0.16	0.3725	0.37877	0.522346	0.178589	1	0.99961	0.741691		
W937_OR8CB3_S30_1	1.12	-2.58	-0.41	-0.77	-2.91	0.64	1.98	-2.81	1.18	-1.5	-1.3	-0.8	-2.26	-1.32	-0.37	-0.43	-0.265	-0.185	-0.4	0.631216	0.286105	0.834786	1	0.99961	0.867951	
W937_OR8CB3_S314_1	1.3	-1.48	-0.37	0.42	-2.18	0.26	3.3	-2.52	-2.77	1.7	-1.05	-0.57	-1.3	-0.25	-0.26	-1.8	-0.4375	-0.825	-1.605	0.043837	0.727079	0.392488	1	0.99961	0.446271	
W944_E90156_S440_1	0.56	1.23	1.29	0.1	1.29	0.56	0.62	0.61	1.23	1.47	0.41	1.54	-1.84	1.22	-0.31	0.02	-0.0825	0.31	-1.08	-0.113415	0.823807	0.454764	1	0.99961	0.570688	
W947_OR8CB3_S4005_1	0.31	1.21	1.35	0.74	0.79	0.99	0.7	1.06	1.28	1.27	0.99	1.19	1	0.63	1.53	0.36	-0.0175	0.28	-0.0225	0.952979	0.954651	0.379481	1	0.99961	0.894317	
W944_OR8CB3_S50_1	-0.3	1.79	1.54	-0.25	0.47	0.06	-0.66	-0.25	0.91	-0.48	0.91	1.62	1.23	0.01	0.09	0.52	-0.49	0.045	-0.2375	0.68239	0.384699	0.944171	1	0.99961	0.885951	
W944_OR8CB3_S503_1	-0.1	0.63	0.61	0.43	0.27	0.07	-0.02	0.07	-0.42	0.72	1.04	0.39	1.23	0.75	0.58	0.32	-0.295	0.04	0.3275	0.333468	0.292399	0.915984	1	0.99961	0.728079	
W947_OR8CB3_S506_1	-1.03	1.33	2.96	1.36	1.28	1.36	1.28	1.78	1.95	1.21	1.78	1.18	1.11	0.81	2.05	0.16	0.3725	0.37877	0.522346	0.178589	1	0.99961	0.741691			
W947_OR8CB3_S5292_1	2.33	0.57	0.7	0.9	1.53	0.86	0.79	2.03	1.28	0.2	2.4	0.87	0.05	1.2	1.6	2	0.1775	0.0625	0.0875	0.872619	0.710664	0.912145	1	0.99961	0.959468	
W947_OR8CB3_S5297_1	1.01	0.08	-0.54	0.35	1.09	0.46	0.62	0.37	0.36	0.07	0.64	0.29	-1.04	0.3	0.44	0.53	0.41	0.115	0.1675	0.725885	0.289427	0.762621	1	0.99961	0.90568	
W947_OR8CB3_S504_1	0.56	1.02	-1.05	-0.08	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	0.114077	0.746866	0.52675	1	0.99961	0.64093	
W947_OR8CB3_S539_1	0.15	0.66	0.39	0.22	0.34	0.29	0.18	-0.32	0.42	0.77	0.86	1.53	1.2	0.57	-0.26	0.47	-0.1225	0.65	0.25	0.521133	0.686023	0.081957	1	0.99961	0.820181	
W947_OR8CB3_S374_1	-0.35	-0.03	-1.04	-0.59	-0.07	0.06	-0.86	-0.66	-0.55	0.24	-0.54	-0.57	0.68	0.09	0	0.35	0.12	0.1475	0.7825	0.037903	0.726561	0.66387	1	0.99961	0.453987	
W947_OR8CB3_T285_1	0.34	0.3	0.33	0.92	1.55	1.18	0.39	0.97	0.96	-0.15	0.45	0.98	-1.12	0.9	1.17	1.16	0.6	0.1375	0.1025	0.081029	0.098984	0.688426	1	0.99961	0.949625	
W959_OR8CB3_S603_1	0.9	-0.94	0.9	0.81	-2.27	0.79	0.14	1.01	-1.28	1.7	-1.7	0.86	1.5	-1.4	-1.31	1.16	-0.324	-0.5325	-0.8925	-0.6975	0.4712	0.533055	0.315442	1	0.99961	0.971981
W97_029009_S517_1	-0.75	-0.02	-1.02	-1.02	-0.7	-0.85	-1.19	-0.51	-0.19	-1.18	-1.34	-0.31	0.02	-0.23	-1.24	-0.88	-0.11	-0.0525	0.12	0.763912	0.733851	0.893718	1	0.99961	0.951278	
W97_029009_S455_1	-0.83	-0.54	-0.51	-0.99	-0.83	0.61	-1.12	-0.68	-0.85	-0.59	-1.02	-0.88	0.02	-0.2	-0.69	-0.27	-0.0925	-0.1175	0.4325	0.160893	0.725823	0.658703	1	0.99961	0.637399	
W97_029009_S76_1	-0.13	0.13	0.78	-0.28	-0.89	0.58	-0.56	-0.5	0.54	0.2	-0.66	0.15	0.28	1.52	1.22	-0.25	0.3475	0.513363	0.93475	0.057199	0.348755	0.348755	1	0.99961	0.970255	
W97_029009_S772_1	-0.66	-5.76	-4.58	-2.61	-1.74	-4.45	-4.27	-5.38	-1.01	-1.64	-4.84	-3.21	-4.36	-4.96	-3.9	-4.15	-0.575	-0.2725	-1.4475	0.18559	0.63458	0.838439	1	0.99961	0.646224	
W97_029009_S772_2	-0.7	-4.18	-3.28	-2.11	-2.73	-3.63	-2.1	-3.24	-2.48	-2.41	-2.17	-4.38	-2.28	-4.52	-3.93	-4.82	-0.3575	-0.2925	-1.57	0.107467	0.624026	0.71506	1	0.99961	0.568416	
W97_029009_S776_2	-0.11	-0.66	0.12	-0.29	-0.99	-0.45	0	-1.16	-1	0.11	-0.69	-0.87	-0.96	-1.63	-0.88	-1.75	-0.415	-0.3775	-1.07	0.010011	0.245715	0.258587	1	0.99961	0.373707	
W97_029009_S776_2	-0.17	-4.18	-3.28	-2.11	-2.73	-3.63	-2.1	-3.24	-2.48	-2.41	-2.17	-4.38	-2.28	-4.52	-3.93	-4.82	-0.3575	-0.2925	-1.57	0.107467	0.624026	0.71506	1	0.99961	0.568416	
W97_029009_S9195_1	-0.23	-0.28	0.56	-1.21	-0.12	0.04	-0.24	-0.99	-0.26	0.35	-1.54	0.44	0.4	0.4	-0.21	-0.32	-0.1375	-0.2075	-0.225	0.748488	0.77233	0.709388	1	0.99961	0.911931	
W97_029009_T1159_1	-0.02	0.21	-0.56	-0.82	-1.02	0.41	-0.81	-0.31	-0.88	-1.27	0.05	-2.05	0.5	0.68	-1.34	-1.72	-0.34	0.7125	0.777504	0.317939	0.943784	1	0.99961	0.920998		
W97_029009_T920_1	0.5	0.6	0.76	0.06	0.89	-0.08	0.1	0.3	1.2	0.91	1.35	0.4	0.1	0.8	1.34	1.46	-0.145	-0.7709	0.610303	0.543001	0.214321	1	0.99961	0.921261		
W977_00804_T5_1	-1.09	0.93	0.63	-0.07	-0.48	0.29	0.01	0.63	0.73	-0.58	0.58	1.04	1.53	0.9	0.79	0.78	0.2475	0.3435	0.9	0.080724	0.58735	0.25252	1	0.99961	0.545579	
W981_K4007_S1570_1	-0.59	0.6	-0.53	-0.43	-0.32	-0.81	-0.55	-0.4	-0.69	-1.99	-0.34	-0.31	-0.46	-0.71	-0.55	-0.41	-0.2825	-0.595	-0.295	0.405028	0.414495	0.224156	1	0.99961	0.765844	
W981_S48131_S1571_1	-0.38	-2.29	0.51	-0.1	-0.79	-0.13	-0.51	-0.61	-0.93	-1.73	-1.75	-2.54	-0.06	-0.36	-0.4	0.3125	-0.335	0.0725	0.91808	0.512169	0.516046	1	0.99961	0.971848		
W981_OR8CB3_S127_1	0.1	-1.52	1.47	1.11	-0.17	0.86	-0.1	1.27	0.01	0.63	0.8	0.75	0.83	0.68	1.02	0.2905	0.61	0.7	0.216501	0.70719	0.7201	0.81	1	0.99961	0.818651	
W981_OR8CB3_S127_1	-0.46	-0.2	-0.08	0.28	0.07	-0.1	-0.11	-0.35	0.24	0.1	0.67	0.6	1.1	0.45	0.72	0.42	0.0075	0.1375	0.7875	0.028011	0.977771	0.100554	1	0.99961	0.423977	
W981_P66095_S326_1	1.91	1.04	1.48	1.14	0.79	1.15	0.9	0.02	1.3	1.56	0.45	1.06	0.56	0.27	0.02	0.13	0.6875	0.3	-1.2125	0.003764	0.07329	0.398434	1	0.99961	0.351308	
W981_P66095_S32_1	-0.99	1.1	0.78	0.89	-0.08	0.1	0.3	1.2	0.91	1.35	0.4	0.1	0.8	1.34	1.46	-0.145	-0.7709	0.610303	0.543001	0.214321	1	0.99961	0.921261			
W981_P66095_S3_1	-0.65	-1.28	0.75	-0.42	-1.3	-0.94	-1.12	-0.88	-1.18	-0.8	-1.06	-0.89	-0.75	-0.52	-1.24	-0.38	-0.285	-0.2075	0.0525	0.874769	0.37377	0.748704	1	0.99961	0.960237	
W981_P66095_S3_2	0.04	-0.96	-0.64	-1.2	-0.62	-0.43	-0.78	-0.69	-1.51	-0.17	-0.88	-0.7	0.38	-0.1	0.32	-1.25	0.06	-0.125	0.5275	0.266602	0.853208	0.754328	1	0.99961	0.695664	
W981_P66095_S3_2	0.04	-0.96	-0.64	-1.2	-0.62	-0.43	-0.78	-0.69	-1.51	-0.17	-0.88	-0.7	0.38	-0.1	0.32	-1.25	0.06	-0.125	0.5275	0.266602	0.853208	0.754328	1	0.99961	0.695664	
W981_P66095_T30_1	-1.64	-2.12	-1.78	-1.78	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28	0.3451336	0.31445	0.4788	1	0.99961	0.818651	
W981_P66095_T5_1	-0.65	-1.28	0.75	-0.42	-1.3	-0.94	-1.12	-0.88	-1.18	-0.8	-1.06	-0.89	-0.75	-0.52	-1.24	-0.38	-0.285	-0.2075	0.0525	0.874769	0.37377	0.748704	1	0.99961	0.960237	
W981_P66095_T5_2	0.04	-0.96	-0.64	-1.2	-0.62	-0.43	-0.78	-0.69	-1.51	-0.17	-0.88	-0.7	0.38	-0.1	0.32	-1.25	0.06	-0.125	0.5275	0.266602	0.853208	0.754328	1	0.99961	0.695664	
W987_OR8CB3_S155_1	-0.27	-0.79	0.53	0.62	-0.05	-1.19	0.08	0.86	-0.43	-0.78	-0.24	0.35	0.21	-0.09	-0.09	-0.21	-0.2385	-0.4675	-0.2025	0.92597	0.643341	0.942581	1	0.99961	0.852841	
W987_OR8CB3_S174_1	1.14	1.74	1.56	1.59	0.62	2.73	1.62	4.68	0.47	2.59	2.39	3.51	1.9	0.8	0.72	0.25	0.0625	0.0625	0.4665	0.46033	0.68029	0.907879	1	0.99961	0.971981	
W987_032584_S161_1	1.65	-3.36	-1.13	0.37	2.65	0.65	1.85	0.47	-0.06	-3.94	0.29	-0.68	-1.03	-1.02	-0.87	-1.09	0.2025	-0.48	-0.385	0.678386	0.072825	0.6992	1	0.99961	0.887183	
W987_032584_S211_1	-0.21	0.47	-0.43	0.71	0.08	0.06	-0.91	-0.67	-0.37	-0.19	0.95	-0.38	0.53	-0.05	-0.47	-0.29	-0.17	-0.2525	0.15	0.689008	0.64542	0.469272	1	0.99961	0.892221	
W987_032584_T109_1	0.2	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.284869	0.940785	0.915777	1	0.99961	0.915777	
W987_032584_T240_1	-0.07	0.21	0.3	0.75	0.82	0.6	0.51	0.96	-0.52	-0.11	0.03	-0.52	-0.98	0.5	0.62	0.11	0.425	-0.5775	-0.235	0.576048	0.154256	0.976651	1	0.99961	0.846204	
W987_032584_T338_1	-0.49	0.63	-0.49	-0.68	-0.08	0.63	-1.16	-0.41	-0.3	0.49	-0.84	-0.95	0.54	0.97	0.77	-1	0.0025	-0.125	0.5775	0.273368						

Zdhzhc_QBV024_S180b_1	-0.24	-0.25	-0.04	-0.54	-0.06	-0.24	-0.6	0.18	-0.36	-0.27	-0.37	0.52	0.04	0.05	0.11	-0.15	0.0875	0.1475	0.28	0.316111	0.753139	0.633462	1	0.999631	0.720734
Zdhzhc_QBV024_S180c_1	0.11	1.22	0.92	0.6	0.5	1.36	0.04	0.74	0.88	0.82	0.81	0.99	0.85	1.38	0.86	1.5	-0.0525	0.1125	0.435	0.231932	0.889436	0.719042	1	0.999631	0.682192
Zdhzhc_QBV024_S409c_1	-1.5	2.9	-3.17	-2.23	-1.3	-3.41	-2.61	2.67	2.3	-2.45	-2.36	-2.39	-1.38	-2.74	-3.27	-1.42	-0.0525	0.1	0.2525	0.649811	0.921658	0.788066	1	0.999631	0.875258
Zdhzhc_QBV024_S554c_1	0.84	1.54	1.89	0.81	0.64	1.79	0.74	1.36	1.17	2.09	1.17	1.07	0.95	2.06	1.49	1.87	-0.1375	0.105	0.3225	0.418117	0.72464	0.782841	1	0.999631	0.771665
Zdhzhc_QBV024_S621c_1	0.51	0.17	-0.98	-0.54	0.36	-0.91	-0.58	-0.71	0.03	-0.15	-0.54	-0.38	-0.01	-0.29	-0.62	-0.05	0.005	0.205	0.2175	0.526386	0.989527	0.532032	1	0.999631	0.824261
Zdhzhc_QBV024_S694c_1	-0.4	-1.07	-0.41	-0.62	-0.39	-1.26	-0.82	-0.59	1.1	-1.18	-0.56	-0.37	-0.46	-0.95	-0.54	-0.22	-0.19	-0.0675	0.1675	0.585702	0.500741	0.812347	1	0.999631	0.849624
Zdhzhc_QSV175_S335c_1	-1.02	-1.31	-0.94	-0.78	-0.92	-0.83	-1.02	-0.83	-0.95	-1.15	-0.8	-0.73	-0.19	-0.95	-1.09	-0.17	0.1125	0.105	0.4125	0.238109	0.650259	0.691953	1	0.999631	0.683301
Zdhzhc_QSV175_S672c_1	-0.74	-0.61	-0.33	-0.54	-1.03	-0.57	-1.11	-0.43	-0.81	-0.28	-0.31	-0.3	0.2	-0.29	-0.31	0.36	-0.23	0.13	0.545	0.09216	0.411723	0.629419	1	0.999631	0.557085
Zdhzhc_QSV175_S679c_1	2.13	-2.03	-0.44	1.85	-0.2	2.08	0.49	-1.07	-0.6	-0.14	-1.18	-1.79	-2.07	-0.55	-0.88	0.3	-1.185	-1.71	0.084235	0.753611	0.222105	0.549732	1	0.999631	0.549732
Zlhdnzh_EC0C18_S163c_1	1.51	0.55	-0.64	0.86	2.49	0.88	1.57	1.69	0.79	-1.73	0.52	0	-1.09	-1.01	-0.04	0.1	0.9525	-0.7	-0.6	0.31166	0.078456	0.288763	1	0.999631	0.71524
Zlhdnzh_EC0C18_S173c_1	0.99	-0.04	-0.39	1.07	0.27	0.32	0.97	0.95	0.85	0.84	1.19	0.49	0.07	0.13	0.79	0.47	0.22	0.435	-0.0425	0.918893	0.596818	0.266695	1	0.999631	0.974324
Zlhdnzh_EC0C18_S178c_1	0.3	-0.55	-0.03	-0.82	0.45	0.29	-1	-0.13	-0.91	-0.56	-0.13	0.76	-0.3	0.72	-0.21	0.21	0.775	0.065	0.38	0.329738	0.667096	0.881611	1	0.999631	0.726674
Zlhdnzh_Q88878_S126c_1	-1.4	0.31	-0.4	-0.45	-0.32	-0.27	-0.38	-0.65	-0.35	-0.13	-1.02	-0.67	0.3	0.15	-1.26	-1.42	-0.005	-0.105	-0.0725	0.850222	0.930262	0.729266	1	0.999631	0.964651
Zlhdnzh_Q88878_S48c_1	0.33	0.48	0.13	-0.66	-0.09	0.32	-0.36	-0.31	0.25	0.78	-0.49	0.06	0.52	0.75	-0.6	0.08	-0.115	0.145	0.1825	0.658423	0.733508	0.708135	1	0.999631	0.879726
Zlhdnzh_Q88878_S48c_2	1.19	-0.19	0.98	0.57	-0.22	-1.43	0.51	0.53	-0.96	-0.57	-0.65	1.11	1.73	0.32	-0.92	1.39	-0.62	-0.0075	0.99017	0.147956	0.266321	0.549732	1	0.999631	0.995892
Zlhdnzh_Q88878_S58c_2	0.71	0.05	0.98	0.57	0.21	-0.98	0.51	0.53	-0.91	1.31	-0.65	1.11	1.3	-0.69	-0.92	1.39	-0.51	-0.3375	-0.3075	0.608063	0.229992	0.544477	1	0.999631	0.858527
Zlhm_EQ0M15_S1517c_1	-0.09	0.5	0.67	0.1	0.43	-1.07	-0.15	-0.67	0.08	-0.67	0.46	-0.6	0.34	0.28	0.31	0.72	-0.41	-0.2275	0.3675	0.286501	0.370113	0.558214	1	0.999631	0.705972
Zlhm_EQ0M15_S606c_1	2.03	2.1	2.54	1.56	0.41	2.69	1.2	1.4	1.79	2.51	1.43	0.91	1.19	1.69	1.35	1.88	-0.6325	-0.3975	-0.53	0.131133	0.122515	0.336047	1	0.999631	0.602916
Zlhm_EQ0M15_S881c_1	0.07	0.07	0.27	2.23	-0.29	0.04	1.25	2.85	-0.68	0.26	1.66	2.1	1.12	1.68	3.86	3.89	-0.2925	-0.42	1.3825	0.143385	0.741692	0.623354	1	0.999631	0.614578
Zlp215_Q4H86_S42c_1	1.4	1.42	1.68	0.85	1.76	1	0.6	0.91	1.85	1.59	0.1	1.39	1.12	0.97	1.81	1.18	-0.27	0.03	0.0675	0.837604	0.432362	0.947251	1	0.999631	0.946366
Zlp362_Q59A68_S145c_1	-0.19	0.33	0.55	0.35	0.37	-0.17	-0.17	0.69	0.18	-0.46	0.38	0.93	-0.37	0.06	1.39	1	-0.08	-0.0025	0.26	0.558308	0.800172	0.994462	1	0.999631	0.838323
Zlp37_Q6P324_S586c_1	0.55	0.65	1.68	-0.29	1.44	0.57	4.21	0.48	3.19	0.81	2.58	3.71	2.24	-1.2	1.5	-2.75	1.0275	1.925	-0.7	0.509977	0.237747	0.016126	1	0.999631	0.817176
Zlp3859_Q6H89_S158c_1	-0.35	-0.05	0.25	0.34	-0.75	-0.62	0.14	-1.58	0.09	0.27	0.01	1	-1.14	0.53	1.35	-0.12	0.75	0.295	0.1075	0.836012	0.080823	0.379157	1	0.999631	0.945122
Zlp407_Q1UVU5_S221c_1	1.8	-1.97	1.1	1.49	-1.77	-0.61	1.25	-0.45	-1.68	1.32	-0.52	-0.14	-2.92	1.6	-1	-0.59	-1	0.86	-1.3325	0.032215	0.284364	0.384364	1	0.999631	0.441295
Zlp532_Q4H185_S283c_1	-3.55	-0.83	-4.1	-3.41	-6.95	-6.24	-2.7	-4.14	-20.82	-3.99	-3.21	-5.06	-6.67	-6.33	-5.81	-4.23	0.215	-3.0475	-0.5875	0.671846	0.889336	0.245656	1	0.999631	0.884779
Zlp532_Q4H185_S297c_1	-0.24	-0.14	0.08	-0.01	-0.49	-0.68	0.2	0.4	-0.43	0.24	0.26	0.35	-0.46	-0.16	0.14	0.43	-0.165	0.1825	0.295	0.316655	0.591413	0.526216	1	0.999631	0.720734
Zlp532_Q4H185_S306c_1	0.06	-0.02	0.78	-0.49	-1.33	0.29	1.4	-1.68	-1.69	0.61	-0.7	-1	-0.38	-1.68	-0.46	-0.79	-0.6375	-1.0025	-1.135	0.028576	0.375527	0.992103	1	0.999631	0.427571
Zlp532_Q4H185_S333c_1	0.16	-0.05	-0.37	-0.01	-1.06	-0.38	-0.21	-0.09	0.5	0.25	0.38	-0.24	0.62	-0.26	-0.42	0.63	-0.3675	0.04	0.21	0.57637	0.243994	0.895816	1	0.999631	0.838305
Zlp532_Q4H185_S349c_1	0.63	1.72	0.93	0.4	0.97	1.47	-0.07	0.7	0.57	0.57	0.28	0.32	2.28	1.32	0.15	0.49	-0.1525	-0.485	0.1	0.78956	0.702657	0.178861	1	0.999631	0.925593
Zlp644_Q1UMJ0_S176c_1	0.89	0.28	2.13	1.4	0.35	0.66	1.38	0.44	0.26	1.93	0.95	0.47	0.2	-0.25	0.95	-0.2	-0.4675	-0.7275	-1	0.05714	0.305773	0.959691	1	0.999631	0.494918
Zlp645_Q4NVN6_S601c_1	0.85	-1.39	0.15	0.52	-0.27	0.42	0.85	-0.21	-0.32	0.36	-0.34	-0.85	-0.41	-1.34	-0.99	-1.16	-0.005	0.32	1.0075	0.071374	0.932406	0.542393	1	0.999631	0.531405
Zlp651_Q9P211_T406c_1	1.44	1.71	1.7	1.53	1.21	1.25	1.62	1.67	1.6	2.24	1.6	1.29	0.66	0.87	1.16	1.66	-0.2325	0.0875	-0.5075	0.130795	0.360238	0.765764	1	0.999631	0.602177
Zlp707_Q9RQJ2_S221c_1	1.38	0.92	0.96	-2.12	-0.87	-0.44	0.23	-0.25	2.16	-1.32	1.44	1.47	2.5	-1.06	0.15	-0.26	0.135	1.3425	0.14	0.902165	0.193523	0.18241	1	0.999631	0.968183
Zlp740_Q1D066_S19c_1	0.32	0.76	0.68	0.52	-0.07	-0.07	-0.09	0.33	0.64	0.77	0.48	0.66	0.57	1.09	0.32	0.69	-0.545	0.9675	0.1225	0.48027	0.054518	0.79012	1	0.999631	0.808232
Zlp777_Q5E8L5_S681c_1	1.36	-0.15	0.81	0.42	0.21	-0.24	0.64	0.36	-0.24	1.28	-0.24	-0.43	-0.31	-0.22	-0.63	-0.99	-0.3675	-0.5175	-1.1475	0.014129	0.346442	0.302845	1	0.999631	0.385092
Zlp81_Q3S615_S681c_1	0.36	0.9	2.16	1.79	0.06	1.11	1.41	1.87	0.43	0.27	0.6	0.94	0.69	0.35	1.73	1.04	-0.19	-0.7425	-0.35	0.479221	0.716518	0.111432	1	0.999631	0.801052
Zlp82_Q8C0C7_S1057c_1	-0.1	-0.04	2.21	0.91	0.58	0.97	0.58	1.62	0.34	0.53	1.46	1.71	1.35	1.99	1.67	1.59	0.1925	0.265	0.905	0.108838	0.724871	0.651423	1	0.999631	0.571276
Zp_Q8B32_Q1054c_1	1	1.23	0.7	0.7	0.61	1.06	0.37	0.94	0.55	1.04	0.56	0.7	1.23	0.66	0.81	1.29	0.055	0.0225	0.3075	0.440802	0.884586	0.952066	1	0.999631	0.781863
Zp2_EQ0M46_S130c_1	0.58	1.76	1.95	1.4	1.28	1.43	0.74	2.15	-1.84	-1.32	-2.16	-2.02	-1.97	-2.15	-2.04	-1.61	-0.0225	-3.2575	-3.355	0.4676	0.96	0.06	1	0.999631	0.047748
Zpve1_Q8108_S81c_1	0.19	-0.98	-0.01	0.15	-1.55	-0.93	0.7	0.22	0.73	1.05	-0.64	-0.22	-1.07	-2.3	0	-0.83	-0.2275	0.0275	-0.8875	0.112099	0.674407	0.956384	1	0.999631	0.577068
Zpve1c_Q8AD49_S219c_1	0.35	0.63	1.82	0.26	1.18	0.47	0.2	1.07	0.63	0.46	0.72	1.02	0.21	0.83	0.78	1.35	-0.285	-0.6575	0.0275	0.349562	0.496705	0.883977	1	0.999631	0.983798
Zpve1c_Q8AD49_S84c_1	2.74	-0.62	-1.26	1.46	2.19	2.26	1.74	1.32	-1.41	0.38	-1.49	0.63	0.78	-0.42	1.27	1.2975	-1.3075	-0.45	0.473392	0.14101	0.164205	0.799827	1	0.999631	0.799827
Zpve1c_Q8AD49_S1377c_1	1.43	2.38	1.89	-0.92	1.31	2.35	2.84	-0.12	1.52	0.84	1.67	1.63	1.37	2.35	0.05	-0.13	0.4	0.72	-0.785	0.455096	0.640774	0.32153	1	0.999631	0.790041
Zpve2_Q8D017_S605c_2	1.47	0.19	0.73	0.19	0.09	-0.69	0.05	0.24	-1.09	-1.18	1.26	0.19	-0.7	0.2	0.26	1.05	0.0125	-0.115	0.2925	0.599998	0.979651	0.864166	1	0.999631	0.856614
Zpve2_Q8D017_S686c_1	-0.28	-0.28	0.72	0.03	-0.42	-0.47	-0.06	-0.1	0.55	-0.01	0.16	0.25	0.27	0.32	0.36	0.57	-0.1025	-0.015	0.2275	0.544189	0.761754	0.960666	1	0.999631	0.862236
Zkcam1_Q8B633_S13c_1	0.48	0.51	0.87	0.45	1.45	0.69	0.28	1.29	1.18	1.6	1.12	0.86	1.72	0.05	1.71	1.08	0.35	0.6125	0.5625	0.199736	0.302819	0.050472	1	0.999631	0.675089
Zkmyc1_Q8C0C5_S687c_1	1.42																								

Amk_BIA279_5670.1	Amk_BIA2	-0.08	-2.25	-0.52	0.04	0.22	-0.26	1	-0.55	-0.88	-0.32	-0.84	-1	-1.04	0.26	0.34	0.63	0.805	0.0575	0.75	0.224763	0.17773	0.011142	0.089223	0.997988	0.994666
Amk_BIA279_5870.1	Amk_BIA2	-0.4	-0.8	-0.1	0.11	0.21	0.54	0.07	-0.1	-0.38	-0.27	-0.38	-0.1	-0.38	0.27	0.08	0.357	0.20254	0.41312	0.05214	0.089223	0.997988	0.994666	0.997988	0.994666	
Abcda_214342_52818.1	Abcda_P41	-0.87	-0.08	0.56	-0.41	-0.88	-1.04	-0.42	0.1	-1.72	-0.22	-0.48	0.44	-0.88	-2.92	0.23	-0.2	-0.185	-0.393051	0.644546	0.728666	0.990258	0.997988	0.994666	0.994666	
Abcda_P147447_56679.1	Abcda_P81	-1.12	-1.87	-2.25	-2.46	-2.7	-0.95	-3.28	-2.52	-1.78	-1.22	-1.42	-1	-1	-0.35	-1.23	-2.25	-0.81	-0.4375	0.045	0.21	0.73731	0.041406	0.968023	0.997988	0.994666
Abcda_E02036_7540.1	Abcda_P81	0.01	-1.18	-0.03	-0.1	0.1	0.76	0.07	-0.1	-0.38	-0.27	-0.38	-0.1	-0.38	0.27	0.08	0.357	0.20254	0.41312	0.05214	0.089223	0.997988	0.994666	0.997988	0.994666	
Abcda_Q03285_558.1	Abcda_Q6	0.27	0.63	0.09	0.68	0.2	0.5	-0.24	-0.39	0.78	0.07	1.12	0.99	1.3	0.28	0.19	-0.415	-0.3625	-0.405	0.915793	0.136307	0.155782	0.089223	0.997988	0.994666	
Abcda_P55096_5424.1	Abcda_P55	0.72	0.43	0.15	0.47	0.76	0.37	0.87	0.41	0.19	0.54	-0.23	0.01	0.03	0.52	0.43	-0.06	0.16	-0.9	-0.2125	0.441793	0.506875	0.769164	0.089223	0.997988	0.994666
Abcda_P26942_5194.1	Abcda_P269	-2.32	-0.22	-0.29	0.17	-1.43	-1.66	-0.29	-0.88	-1.01	-1.63	-0.02	-0.09	-1.71	-0.99	0.14	-0.84	-0.035	0.1025	-0.6	0.320753	0.394499	0.866205	0.991817	0.997988	0.994666
Abcda_P07079_51829.1	Abcda_P07	0.11	0.11	0.21	0.08	0.1	0.53	0.1	0.1	0.53	0.1	0.53	0.1	0.53	0.1	0.53	0.1	0.53	0.1	0.53	0.1	0.53	0.1	0.53	0.1	0.53
Abcda_BI2724_5183.1	Abcda_BI2724	0.44	0.58	0.05	0.5	0.33	0.33	0.27	0.19	0.44	0.84	0.47	0.28	0.72	0.64	0.21	0.33	-0.2375	-0.01	-0.0425	0.88297	0.237639	0.964615	0.089223	0.997988	0.994666
Abcda_BI2724_5222.1	Abcda_BI2724	-1.09	-2.17	-2.86	-4.45	-1.59	-1.37	-2.16	-2.7	-1	-2.11	-0.98	-2.3	0.56	-2.77	-2.29	-1.29	0.875	1.045	0.9	0.288239	0.322958	0.160094	0.089223	0.997988	0.994666
Abcda_BI2724_5225.1	Abcda_BI2724	0.03	-0.17	-0.6	-0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Abcda_BI2724_5231.1	Abcda_BI2724	-2.83	-4.41	-4.47	-2.09	-1.73	-1.88	-1.32	-1.47	-3.25	-3.76	-1.49	-1.26	-0.99	-1.42	-1.81	1.05	0.6925	1.33	0.080009	0.050014	0.388223	0.997988	0.994666	0.994666	
Abcda_A04047_51933.1	Abcda_A04047	-1.17	-1.29	-2.38	-1.63	-2.69	-1.44	-2.48	-1.58	0.09	-1.85	-2.39	-1.76	-1.43	-1.46	-2.54	-0.48	-0.1375	0.08782	0.129024	0.899509	0.089223	0.997988	0.994666	0.994666	
Abcda_A04047_5193.1	Abcda_A04047	-1.51	-2.81	-2.81	-1.88	-2.81	-1.88	-2.81	-1.88	-2.81	-1.88	-2.81	-1.88	-2.81	-1.88	-2.81	-1.88	-2.81	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Abcda_G0A618_519.1	Abcda_G0A618	0.46	0.65	0.51	0.68	0.3	0.17	0.43	0.32	0.21	0.62	0.62	0.39	0.51	0.8	0.47	0.39	-0.27	-0.115	-0.0325	0.891758	0.788464	0.606885	0.089223	0.997988	0.994666
Abcda_G0A618_5216.1	Abcda_G0A618	0.62	-0.79	-0.77	-0.49	-0.93	0.22	0.77	-0.18	-0.74	-1.01	-1.63	-1.12	-1.33	0.01	-1.49	0.025	0.0475	-0.695	-0.160497	0.939264	0.942842	0.991817	0.997988	0.994666	
Abcda_G0A618_5227.1	Abcda_G0A618	0.39	0.12	0.5	0.26	0.14	-0.46	-0.11	0.08	-0.11	0.42	-0.53	-0.08	0.25	0.83	-0.02	0.07	0.1325	-0.1425	-0.080185	0.802946	0.640855	0.957662	0.997988	0.994666	
Abcda_P05020_5709.1	Abcda_P05020	-2.67	-1.56	-1.3	-3.58	-1.64	-3	-3.95	-3.23	0.37	-1.4	-0.48	-2.68	-1.16	-1.23	-2.79	-3.43	-0.1775	1.73	0.625003	0.763955	0.0325	0.259762	0.997988	0.994666	
Abcda_P05020_5713.1	Abcda_P05020	-3.73	-2.75	-3.61	-6.8	-2.93	-4.37	-4.82	-0.58	-0.2	-1.51	-2.67	-4.79	-0.03	-2.76	-2.76	-0.0775	1.93	0.14	0.05906	0.629474	0.121334	0.991641	0.997988	0.994666	
Abcda_P05020_5809.1	Abcda_P05020	-0.49	-0.62	0.26	0.64	-1.32	-0.93	0.19	0.52	-0.02	0.65	1.05	1.07	-0.27	-0.51	0.53	0.75	-0.3225	0.74	0.065	0.18852	0.502055	0.10679	0.089223	0.997988	0.994666
Abcda_P05020_5719.1	Abcda_P05020	-0.33	0.26	0.27	0.37	0.35	-0.45	-0.1	0.29	-0.21	-0.01	-0.47	-0.32	0.8	0.08	0.54	0.33	-0.12	-0.16	0.295	0.32844	0.670447	0.577679	0.992876	0.997988	0.994666
Abcda_P05020_5632.1	Abcda_P05020	-1.51	-0.59	-1.64	-0.91	-0.99	-1.4	-0.73	-0.68	-1.77	-1.38	-0.64	-0.5	-1.23	-1.35	0.57	-0.41	0.1225	0.9	0.7275	0.461132	0.505215	0.081827	0.089223	0.997988	0.994666
Abcda_P05020_5785.1	Abcda_P05020	-0.45	0.05	0.37	0.7	0.41	0.02	-0.17	0.26	-0.25	-0.22	0.4	-0.02	-0.02	1.25	0.05	-0.01	0.31	0.16	0.175	0.25843	0.213606	0.164352	0.089223	0.997988	0.994666
Abcda_P05020_5819.1	Abcda_P05020	-0.7	0.03	-0.5	-1.91	-0.22	0.1	-0.22	-0.02	1.49	0.01	1.22	0.62	0.29	0.26	0.25	-0.14	0.69	1.605	1.41	0.094232	0.111401	0.090428	0.089223	0.997988	0.994666
Abcda_P05020_5822.1	Abcda_P05020	1.66	-0.27	1.29	1.35	0.74	1.53	0.6	1.75	1.43	1.71	1.35	1.63	0.83	1.51	0.88	0.99	0.474	0.2725	0.045	0.92007	0.758497	0.155073	0.957662	0.997988	0.994666
Abcda_P05020_5936.1	Abcda_P05020	0.4	-0.84	-0.51	-0.58	0.5	-0.41	-0.35	-0.52	-0.82	-0.8	0.5	-1.62	0.34	-1.36	0.4725	0.1375	-0.3575	-0.1686	0.225457	0.98734	0.089223	0.997988	0.994666	0.994666	
Abcda_P05020_5939.1	Abcda_P05020	0.82	0.49	0.9	0.66	1.1	0.46	0.57	-0.28	0.69	0.14	0.15	-0.45	-0.23	0.32	0.39	0.0075	-0.5425	-0.485	-0.09457	0.974544	0.073227	0.991817	0.997988	0.994666	
Abcda_P05020_5939.1	Abcda_P05020	-0.55	-0.65	-1.95	-2.44	-1.17	-0.49	-1.65	-2.25	-0.98	-0.57	1.05	-1.31	0.57	-0.34	-1.59	-2.87	0.0075	0.945	0.34	0.66504	0.988885	0.16455	0.991817	0.997988	0.994666
Abcda_P05020_5939.1	Abcda_P05020	-0.28	0.1	-0.28	0.1	-0.28	0.1	-0.28	0.1	-0.28	0.1	-0.28	0.1	-0.28	0.1	-0.28	0.1	-0.28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Abcda_P05020_5939.1	Abcda_P05020	1.2	1.59	0.24	1.05	1.52	0.34	0.58	1.16	1.04	0.86	0.04	1.33	-1.02	1.1	0.09	0.35	-0.116	0.1025	0.77	0.18287	0.1	0.28736	0.1	0.997988	0.994666
Abcda_P05020_5939.1	Abcda_P05020	0.68	0.33	0.96	-0.41	-0.25	1.1	0.32	0.26	0.52	0.9	0.09	0.58	0.83	-1.85	0.07	0.62	-0.3975	0.1175	-0.6775	0.25734	0.281349	0.090609	0.089223	0.997988	0.994666
Abcda_P05020_5939.1	Abcda_P05020	0.99	0.8	0.23	0.32	0.31	0.53	0.1	0.61	0.37	0.4	0.1	0.61	0.37	0.4	0.1	0.61	0.37	0.4	0.1	0.61	0.37	0.4	0.1	0.61	0.37
Abcda_P05020_5939.1	Abcda_P05020	1.11	0.8	1.34	1.51	1.06	0.91	0.39	0.37	1.38	1.16	1.4	1.65	-0.6	0.08	1.71	0.99	0.0075	0.3925	0.36	0.147	0.079941	0.174123	0.991817	0.997988	0.994666
Abcda_P05020_5939.1	Abcda_P05020	-0.58	-0.39	-0.42	-0.22	-0.08	-0.03	-0.35	-0.08	-0.82	-0.6	0.27	0.09	-0.43	-0.39	-0.28	0.2675	0.1375	0.0275	0.90574	0.231697	0.65736	0.089223	0.997988	0.994666	
Abcda_P05020_5939.1	Abcda_P05020	0.46	-0.61	-0.44	-0.12	0.29	0.49	0.22	1.05	0.35	0.05	-0.01	-0.49	-0.29	0.07	0.31	0.38	0.41	0.1175	-0.4	0.78908	0.227073	0.70307	0.089223	0.997988	0.994666
Abcda_P05020_5939.1	Abcda_P05020	0.17	0.08	0.23	0.32	0.31	0.53	0.1	0.61	0.37	0.4	0.1	0.61	0.37	0.4	0.1	0.61	0.37	0.4	0.1	0.61	0.37	0.4	0.1	0.61	0.37
Abcda_P05020_5939.1	Abcda_P05020	-0.99	-1.04	-1	-0.39	-0.37	-0.6	-0.3	-0.21	-0.08	-1.17	-0.31	-0.45	-0.33	-0.22	-0.15	-0.88	0.3925	0.0175	0.095342	0.434894	0.251152	0.089223	0.997988	0.994666	
Abcda_P05020_5939.1	Abcda_P05020	-1.26	-1.12	-0.16	-0.86	0.29	-1.25	-0.64	-1.23	-2.03	-0.28	-0.27	-1.12	-0.44	-1.32	-1.09	0.925	0.0735	0.1075	0.051577	0.86446	0.957356	0.089223	0.997988	0.994666	
Abcda_P05020_5939.1	Abcda_P05020	0.16	0.26	0.09	0.75	0.44	0.13	0.9	0.28	0.09	0.2	0.23	-0.28	0.17	0.4	0.1	0.61	0.37	0.4	0.1	0.61	0.37	0.4	0.1	0.61	0.37
Abcda_P05020_5939.1	Abcda_P05020	0.34	0.4	0.01	0.68	0.55	0.54	0.59	0.32	0.17	0.36	-0.89	0.67	0.77	0.65	0.21	0.35	0.1425	-0.28	-0.47	0.088237	0.536253	0.495253	0.089223	0.997988	0.994666
Abcda_P05020_5939.1	Abcda_P05020	-0.51	-0.76	-0.69	-0.18	1.2	0.21	-0.31	0.02	-0.93	-0.06	-0.29	0.12	-0.16	0.1	-1.11	-0.555	-0.005	-0.005	0.72001	0.206103	0.968488	0.089223	0.997988	0.994666	
Abcda_P05020_5939.1	Abcda_P05020	-0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Abcda_P05020_5939.1	Abcda_P05020	0.15	0.42	0.37	1.1	0.84	0.46	1.2	0.9	-0.65	-0.81	0.95	-0.95	0.71	0.65	0.29	0.8	0.34	0.005	-0.2525	0.346225	0.4154	0.990601	0.089223	0.997988	0.994666
Abcda_P05020_5939.1	Abcda_P05020	-1.05	-1.54	-1.76	-1.03	-0.45	-1.66	-0.73	-1.18	-1.72	-0.78	-2.28	-1.59	-1.53	-1.07	-1.25	-1.									

Ad62_QDR08B_5600_3	Ad62_QDR0	-2.07	-1	-2.12	-1.84	-1.24	-1.75	-1.66	-1.89	-2.03	-1.53	-0.86	-1.43	-1.52	-1.14	-1.42	-1.35	0.1225	0.295	0.4	0.230074	0.06068	0.425964	0.994893	0.997988	0.994666		
Ad62_QDR08B_5600_2	Ad62_QDR0	0.96	1.06	0.95	1.09	1.02	1.15	1.11	1.22	1.59	1.05	0.84	1.67	1.14	-0.4	-0.17	-0.5	-0.4	-0.76	0.16	0.105	0.320	0.62	0.453793	0.62965	0.989223	0.997988	0.994666
Ad62_QDR08B_5600_1	Ad62_QDR0	-2.07	-1	-2.12	-1.84	-1.24	-1.75	-1.66	-1.89	-2.03	-1.53	-0.86	-1.43	-1.52	-1.14	-1.42	-1.35	0.1225	0.295	0.4	0.230074	0.06068	0.425964	0.994893	0.997988	0.994666		
Ad62_QDR08B_5600_1	Ad62_QDR0	-1.31	-0.53	-0.23	-0.14	-0.11	-1.21	0.7	-0.28	-1.63	-1.39	-1.1	-0.17	-0.66	-0.71	-0.27	-0.22	0.3275	-0.52	0.0875	0.793496	0.24704	0.254843	0.989223	0.997988	0.994666		
Ad62_QDR08B_5610_2	Ad62_QDR0	2.37	0.19	0.41	0.4	0.44	0.4	0.4	0.41	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Ad62_QDR08B_5610_1	Ad62_QDR0	1.4	1.42	1.76	1.16	0.25	1.03	-0.2	0.17	3.46	1.77	0.01	1.26	3.89	-0.27	1.26	1.19	0.1225	0.19	0.0825	0.91512	0.004499	0.979223	0.989223	0.997988	0.994666		
Ad62_QDR08B_5610_2	Ad62_QDR0	2.37	0.33	0.42	0.4	0.33	2.41	-0.5	0.04	2.37	0.98	-1.97	0.17	1.05	-0.68	0.42	0	-0.31	0.4925	-0.8925	0.145377	0.664451	0.948034	0.991343	0.997988	0.994666		
Ad62_QDR08B_5620_1	Ad62_QDR0	2.62	1.87	1.96	2.11	0.32	1.99	0.59	1.4	2.42	2.4	2.07	1.5	2.16	0.92	1.62	1.6	-1.065	0.44925	-0.565	0.121408	0.202363	0.990803	0.989223	0.997988	0.994666		
Ad62_QDR08B_5620_1	Ad62_QDR0	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	-0.84	
Ad62_QDR08B_5690_1	Ad62_QDR0	0.01	0.57	0.58	0.51	0.1	-0.24	0.12	0.1	-0.19	0.35	0.55	0.25	0.12	0.21	0.27	0.26	0.3975	-0.1775	-0.2025	0.429844	0.141242	0.512577	0.989223	0.997988	0.994666		
Ad62_QDR08B_5690_2	Ad62_QDR0	2.79	2.33	-1.29	-0.91	1.64	2.49	-1.16	-1.19	1.86	1.86	0.08	-0.98	1.06	2.23	1.45	-1.18	-2.85	-0.025	-0.565	0.883272	0.181331	0.982109	0.997962	0.997988	0.994666		
Ad62_QDR08B_5690_1	Ad62_QDR0	2.37	0.19	0.41	0.4	0.44	0.4	0.4	0.41	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
Ad62_QDR08B_5700_1	Ad62_QDR0	2.2	1.87	1.28	1.25	1.27	1.76	1.25	1.48	1.88	0.86	1.17	1.68	1.72	1.65	1.45	-0.26	-0.2775	-0.025	0.939377	0.735665	0.348584	0.989223	0.997988	0.994666			
Ad62_QDR08B_7540_1	Ad62_QDR0	0.23	0.76	0.84	0.48	0.31	0.27	1.02	0.66	0.23	0.7	0.27	0.75	0.16	0.84	0.36	0.14	-0.0125	-0.09	-0.075	0.26362	0.02757	0.731024	0.997988	0.994666			
Ad63_QDR08B_5420_1	Ad63_QDR0	0.3	0.4	0.47	0.49	0.46	0.1	0.27	0.13	0.34	0.53	0.71	0.31	0.38	0.47	-0.025	0.75	0.0425	0.750423	0.084229	0.272757	0.995762	0.997988	0.994666				
Ad63_QDR08B_5420_1	Ad63_QDR0	-0.63	-0.91	-0.46	-1.68	-1.12	0.86	-0.64	0.16	2.57	-1.26	-1.21	-0.22	2.99	-1.95	2.5	-0.62	0.735	-0.89	-1.65	0.146205	0.116713	0.302457	0.989223	0.997988	0.994666		
Ad63_QDR08B_5640_1	Ad63_QDR0	0.28	0.47	1.34	0.98	0.25	0.13	0.51	1	0.4	0.61	0.86	1.03	-0.24	0.46	0.99	1.08	-2.95	0.4025	0.195	0.442626	0.371372	0.891452	0.989223	0.997988	0.994666		
Ad63_QDR08B_5640_1	Ad63_QDR0	-0.5	-0.28	-0.48	-0.5	-0.68	-0.47	-0.49	-0.72	0.18	-1.14	-0.4	-0.17	-0.5	-0.4	-0.76	0.16	0.105	-0.320	0.62	0.453793	0.62965	0.989223	0.997988	0.994666			
Ad63_QDR08B_5640_1	Ad63_QDR0	1.4	1.48	1.86	1.6	1.24	1.22	1.48	1.56	1.39	1.5	1.56	1.51	1.14	1.59	1.59	1.57	-0.025	-0.1125	-0.165	0.394299	0.335062	0.666683	0.989223	0.997988	0.994666		
Ad63_QDR08B_5640_1	Ad63_QDR0	-0.55	-0.23	-0.53	-2.59	1.15	-0.57	0.18	-1.75	-0.08	-0.28	-1.76	-1.73	-0.21	-1.27	-2.21	-1.41	0.6125	0.1025	0.397449	0.425218	0.880675	0.989223	0.997988	0.994666			
Ad63_QDR08B_7120_1	Ad63_QDR0	0.17	0.6	0.35	0.36	0.61	0.2	0.55	0.15	0.53	0.21	0.29	0.68	0.7	0.25	0.4	0.0975	0.0495	0.0225	0.932822	0.647104	0.928558	0.990303	0.997988	0.994666			
Ad63_QDR08B_7120_1	Ad63_QDR0	-1.2	-0.32	0.52	-0.2	0.11	-1.08	0.1	0.12	-0.72	-0.26	-1.54	-2.22	-0.98	-0.79	-1.26	0.52	0.1125	-0.09	-0.3275	0.517551	0.795885	0.904126	0.995762	0.997988	0.994666		
Ad63_QDR08B_7120_1	Ad63_QDR0	4.05	2.75	3.25	1.03	3.65	4.83	3.72	2.28	0.24	0.46	1.12	3.48	0.12	0.18	0.37	3.68	0.85	-0.52	-1.0075	0.322217	0.258919	0.60341	0.989223	0.997988	0.994666		
Ad63_QDR08B_7120_1	Ad63_QDR0	-0.57	-0.78	-0.52	-1.33	0.84	-0.66	0.15	-0.58	-0.64	-0.78	-0.4	-0.09	0.84	-0.44	0.2	0.5575	-0.385	0.7775	0.10952	0.320041	0.25425	0.989223	0.997988	0.994666			
Ad63_QDR08B_7120_1	Ad63_QDR0	0.45	0.62	0.09	0.24	1.73	1.5	0.94	1.54	-2	1.49	1.03	1.49	0.63	-0.8	1.97	0.5	0.875	0.05	0.0225	0.696499	0.000608	0.947749	0.989223	0.997988	0.994666		
Ad63_QDR08B_7120_1	Ad63_QDR0	-2.11	-1.28	-0.59	-1.43	-0.11	-1.57	-0.39	-1.8	-2.78	-2.16	-1.76	-1.29	-1.21	-0.66	-1.75	-0.78	0.385	-0.46	0.2525	0.353083	0.433139	0.159616	0.989223	0.997988	0.994666		
Ad63_QDR08B_7120_1	Ad63_QDR0	0.29	0.86	0.53	0.96	1.04	-0.47	0.55	0.23	-1.38	-2.22	-1.26	-0.57	-0.86	-0.46	-0.5	-0.0225	-1.25	0.49	0.019448	0.75006	0.929133	0.989223	0.997988	0.994666			
Ad63_QDR08B_7120_1	Ad63_QDR0	-0.57	-0.16	0.1	0	-0.42	0.15	0.39	0.6	-0.26	0.42	0.67	0.02	-0.82	-0.47	-0.09	-1.8	-0.2575	-0.29	-0.072482	0.401314	0.351748	0.989223	0.997988	0.994666			
Ad63_QDR08B_7120_1	Ad63_QDR0	-0.24	-1.02	0.85	0.05	-2.85	-0.69	-0.29	-0.03	1.07	-0.3	0.62	-1.01	1.38	-0.22	1.14	0.98	-0.87	0.185	0.4	0.562119	0.208501	0.741444	0.989223	0.997988	0.994666		
Ad63_QDR08B_7120_1	Ad63_QDR0	0.17	0.6	0.35	0.36	0.61	0.2	0.55	0.15	0.53	0.21	0.29	0.68	0.7	0.25	0.4	0.0975	0.0495	0.0225	0.932822	0.647104	0.928558	0.990303	0.997988	0.994666			
Ad63_QDR08B_7120_1	Ad63_QDR0	-0.15	-0.28	-0.03	-0.11	-0.37	-0.12	-0.46	-0.55	-0.27	-0.34	-0.31	-0.46	-0.59	-0.22	-0.48	-0.17	-0.2325	-0.205	-0.1225	0.686809	0.286165	0.342248	0.989223	0.997988	0.994666		
Ad63_QDR08B_7120_1	Ad63_QDR0	-1.39	-0.34	-0.59	-1.43	-2.1	-1.11	-1.76	-1.11	-2.61	-2.31	-0.76	-0.91	-1.66	-1.34	-1.35	0.54	-0.425	-0.16	0.804807	0.292337	0.509181	0.829223	0.997988	0.994666			
Ad63_QDR08B_7120_1	Ad63_QDR0	-0.05	-0.1	0.03	-0.03	-0.44	-0.03	-0.03	-0.44	-0.03	-0.44	-0.03	-0.44	-0.03	-0.44	-0.03	-0.44	-0.03	-0.44	-0.03	-0.44	-0.03	-0.44	-0.03	-0.44	-0.03	-0.44	
Ad63_QDR08B_7120_1	Ad63_QDR0	-0.36	-0.38	-1.45	-1.46	0.29	-0.49	-1.68	-1.13	-0.5	-0.41	1.05	-1.75	-1.39	0.89	0.86	0.17	-0.26	-0.5925	-0.7378	0.796623	0.681272	0.995762	0.997988	0.994666			
Ad63_QDR08B_7120_1	Ad63_QDR0	1.56	1.37	0.33	1.27	1.06	1.78	1.16	0.95	1.67	1.74	0.64	1.09	0.04	0.71	0.19	0.105	0.1525	-1.015	0.18839	0.755686	0.690413	0.995762	0.997988	0.994666			
Ad63_QDR08B_7120_1	Ad63_QDR0	-0.45	-0.13	0.46	0.39	0.17	0.41	1.03	0.56	-0.23	-0.15	-0.26	-1.11	-0.82	-0.6	-0.17	-0.44	-0.22	-0.55	0.154203	0.473333	0.52087	0.989223	0.997988	0.994666			
Ad63_QDR08B_7120_1	Ad63_QDR0	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1		
Ad63_QDR08B_7120_1	Ad63_QDR0	0.24	-0.83	-0.9	-0.85	-0.27	0.93	-0.4	-0.5	-1.08	0.08	0.6	-0.2	-1.25	0.06	-1.51	-1.13	0.525	-0.405	-0.720719	0.222963	0.129625	0.989223	0.997988	0.994666			
Ad63_QDR08B_7120_1	Ad63_QDR0	-0.03	-0.09	-0.03	-0.66	0.41	0.06	0.71	0.57	0.13	0.48	-0.12	-0.43	-0.32	0.39	0.05	0.29	0.295	-0.13	-0.05	0.84042	0.026983	0.639151	0.989223	0.997988	0.994666		
Ad63_QDR08B_7120_1	Ad63_QDR0	1.66	1.28	-0.71	-0.07	0.48	-0.27	0.68	-0.44	-0.27	0.68	-0.44	-0.27	0.68	-0.44	-0.27	0.68	-0.44	-0.27	0.68	-0.44	-0.27	0.68	-0.44	-0.27	0.68		
Ad63_QDR08B_7120_1	Ad63_QDR0	0.2	0.34	-0.08	-0.23	0.34	0.07	0.07	-0.37	-0.09	-0.02	-0.58	0	-0.28	0.38	-0.41	-0.39	-0.03	-0.2325	-0.436653	0.900591	0.381993	0.994666	0.997988	0.994666			
Ad63_QDR08B_7120_1	Ad63_QDR0	0.96	1.18	-0.08	-0.45	1.82	1.06	0.01	0.07	0.06	0.8	-0.6	-0.16	0.74	0.97	-0.39	0.7025	-0.3775	-0.485	0.7775	0.10952	0.320041	0.25425	0.989223	0.997988	0.994666		
Ad63_QDR08B_7120_1	Ad63_QDR0	0.41	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4			
Ad63_QDR08B_7120_1	Ad63_QDR0	2.21	0.43	-0.07	-0.55	-0.39	2.53	-0.26	0.83	2.31	0.43	-0.56	0.4	1.89	-0.6	0.52	-0.49	-0.025	-0.225	-0.050124	0.89913	0.751233	0.994666	0.997988	0.994666			
Ad63_QDR08B_7120_1	Ad63_QDR0	-1.06	-2.22	-2	-3.14	-1.95	-0.71	-1.94	-1.83	-1.26	-1.76	-1.79	-1.73	0.15	-5.14	-1.66	-2.16	0.4975	-0.47	-0.0975	0.483247	0.51544	0.2					

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Arhappg_021811898_3955x1	Arhappg_021	0.35	-2.24	-2.22	-1.58	-0.04	0.77	-0.63	-0.27	-2.1	-1.6	0.43	-1.45	-2.28	-0.46	-3.04	-2.77	1.32	0.2425	-0.865	0.2754	0.8071	0.9378	0.9822	0.9978	0.9986	0.9990
Arhappg_021811898_3955x1	Arhappg_021	0.04	0.57	-0.2	0.65	0.36	0.35	-0.16	-0.08	-0.46	-0.88	-0.3	-0.28	0.29	-0.77	-0.37	0.47	-0.01	-0.1	0.1	-0.75102	0.10319	0.92875	0.98922	0.99788	0.9986	0.9991
Arhappg_021811898_3955x1	Arhappg_021	0.13	1.24	0.96	1.33	0.96	1.33	0.96	1.33	0.96	1.33	0.96	1.33	0.96	1.33	0.96	1.33	0.96	1.33	0.96	1.33	0.96	1.33	0.96	1.33	0.96	
Arhappg_021811898_3955x1	Arhappg_021	2.08	1.52	2.64	0.83	2.84	2.32	2.1	2.12	0.72	2.15	2.5	2.36	0.67	0.9	3.18	2.1	0.0775	1.65	-0.055	0.93863	0.70489	0.97444	0.96949	0.99788	0.9990	
Arhappg_021811898_3955x1	Arhappg_021	0.64	-0.32	0.46	0.47	-0.21	0.95	-0.27	0.43	0.86	-0.27	-0.35	0.52	1.08	-0.38	-0.47	0.99	0.0875	0.0125	-0.005	0.988937	0.870452	0.751447	0.98922	0.99788	0.9991	
Arhappg_021811898_3955x1	Arhappg_021	0.01	0.17	0.01	0.17	0.01	0.17	0.01	0.17	0.01	0.17	0.01	0.17	0.01	0.17	0.01	0.17	0.01	0.17	0.01	0.17	0.01	0.17	0.01	0.17	0.01	
Arhappg_021811898_3955x1	Arhappg_021	0.07	0.12	0.15	0.29	0.02	-0.28	0.77	0.23	0.11	0.37	0.61	0.69	0.01	0.9	-0.18	0.09	0.2525	0.2875	-0.195	0.83238	0.61139	0.23619	0.98922	0.99788	0.9990	
Arhappg_021811898_3955x1	Arhappg_021	0.06	0.07	0.58	1.28	0.14	1.37	0.77	1.27	0.35	1.17	1.42	1.28	0.57	0.49	0.23	0.51	0.375	0.135	-0.105	0.81178	0.468428	0.62714	0.98922	0.99788	0.9990	
Arhappg_021811898_3955x1	Arhappg_021	0.09	0.09	0.36	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	
Arhappg_021811898_3955x1	Arhappg_021	0.06	-0.66	0.68	0.67	-1.25	1.01	0.40	0.92	-0.14	0.86	-1.12	1.44	0.01	1.34	-1.47	0.09	-0.2525	0.2875	-0.195	0.83238	0.61139	0.23619	0.98922	0.99788	0.9990	
Arhappg_021811898_3955x1	Arhappg_021	0.54	0.81	0.67	0.97	0.09	0.79	1.16	1.06	0.58	1.58	1.22	1.32	0.82	1.45	1.29	0.54	0.375	0.135	-0.105	0.81178	0.468428	0.62714	0.98922	0.99788	0.9990	
Arhappg_021811898_3955x1	Arhappg_021	0.09	0.09	0.36	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	0.36	0.09	
Arhappg_021811898_3955x1	Arhappg_021	0.05	0.05	0.16	0.16	0.05	0.16	0.05	0.16	0.05	0.16	0.05	0.16	0.05	0.16	0.05	0.16	0.05	0.16	0.05	0.16	0.05	0.16	0.05	0.16	0.05	
Arhappg_021811898_3955x1	Arhappg_021	0.14	0.17	0.05	-0.16	0.07	-0.63	0.12	0.13	-0.26	0.14	-0.91	0.4	-0.2	1.76	-0.37	0.2	-0.2275	0.2475	-0.6225	0.17487	0.39315	0.465074	0.98922	0.99788	0.9990	
Arhappg_021811898_3955x1	Arhappg_021	0.05	-0.14	1.58	1.09	-0.69	-0.6	0.44	0.89	-0.45	-0.39	2.36	-0.79														

Atplal_O6PQC6_S206v_1	Atplal_O6	-0.05	1.32	0.43	0.62	1.18	0.66	0.61	0.84	0.9	0.85	1.58	0	1.17	0.37	0.8	-0.1	0.2425	0.2525	-0.02	0.960171	0.461899	0.532997	0.988223	0.997988	0.995907
Atplal_O6PQC6_S207v_1	Atplal_O6	0.54	0.79	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
Atplal_O6PQC6_S212v_1	Atplal_O6	1.82	1.76	1.38	0.33	1.89	1.35	0.47	0.04	0.95	1.52	0.85	0.47	1.08	1.77	0.03	0.44	-0.385	-0.175	-0.495	0.326789	0.464626	0.364851	0.989223	0.997988	
Atplal_O6PQC6_S218v_1	Atplal_O6	0.6	0.81	0.94	1.05	0.68	0.52	0.77	0.65	0.68	0.72	1.23	0.41	-0.03	0.44	1.18	0.79	-0.195	-0.09	-0.255	0.435422	0.364609	0.713423	0.988223	0.997988	
Atplal_O6PQC6_S237v_1	Atplal_O6	-0.98	0.23	-1.44	0.31	0.83	0.5	0.7	0.6	0.6	0.7	-0.88	0.68	0.4	-0.08	-0.16	0.8	-0.2325	-0.09	-0.2475	0.445397	0.364152	0.313793	0.989223	0.997988	
Atplal_O6PQC6_S449v_1	Atplal_O6	0.68	1	1.49	0.93	1.28	0.53	0.68	1.08	0.64	2.5	1.25	0.76	0.54	0.79	0.46	-0.182	-0.1575	-0.075	0.694786	0.756112	0.791516	0.988223	0.997988	0.995159	
Atplal_O6PQC6_S474v_1	Atplal_O6	0.47	0.9	0.2	-0.55	0.94	0.18	0.26	0.92	-0.72	0.32	-0.23	0.25	0.91	0.19	-0.53	-0.14	-0.67	-0.05	0.905508	0.797998	0.13358	0.93762	0.997988	0.995907	
Atplal_O6PQC6_S56v_1	Atplal_O6	-1.13	-1.1	-0.75	-0.54	-1.55	-1	-0.88	-0.68	-1.76	-1.16	-1.26	-1.18	-1.42	-1.26	-0.78	-0.8	-0.12	-0.8375	-0.1575	0.594037	0.669866	0.806046	0.992676	0.997988	
Atplal_O6PQC6_S64v_1	Atplal_O6	0.09	0.64	0.09	0.64	0.09	0.64	0.09	0.64	0.09	0.64	0.09	0.64	0.09	0.64	0.09	0.64	0.09	0.64	0.09	0.64	0.09	0.64	0.09	0.64	
Atplal_O6PQC6_S712v_1	Atplal_O6	0.5	0.86	-0.11	-0.06	0.95	-0.33	-0.77	-0.01	0.07	0.35	-0.4	0.16	-0.19	0.66	0.07	0.06	0.0475	-0.2525	-0.1475	0.595925	0.889884	0.430002	0.969493	0.997988	
Atplal_O6PQC6_S788v_1	Atplal_O6	-2.9	-1.1	-1.39	-2.63	-1.38	-2.47	-2.11	-2.58	-1.52	-2.82	-2.78	-2.51	0.56	-2.37	-2.1	-1.66	-0.11	-0.4025	0.1215	0.4017	0.737359	0.433342	0.99762	0.997988	
Atplal_O6PQC6_S719v_1	Atplal_O6	-0.06	0.2	0.6	-0.06	0.2	0.6	-0.06	0.2	0.6	-0.06	0.2	0.6	-0.06	0.2	0.6	-0.06	0.2	0.6	-0.06	0.2	0.6	-0.06	0.2	0.6	
Atplal_O6PQC6_S771v_1	Atplal_O6	0.63	0.8	0.37	1.74	1.06	0.33	1.03	-0.84	-1.09	0.22	-1.8	1.72	-0.46	0	1.87	1.65	-0.32	-1.3725	-0.37	0.315055	0.783185	0.108874	0.988223	0.997988	
Atplad_O51414_S653v_1	Atplad_O5	0.66	0.47	0.48	1.12	0.99	0.21	-0.57	0.07	0.19	0.56	1.46	0.27	-0.35	1.57	0.72	1.1	-0.5075	-0.0625	0.077	0.87192	0.176161	0.585607	0.988223	0.997988	
Atplad_O51414_S661v_1	Atplad_O5	1.29	0.81	0.75	1.18	1.37	1.58	1	-0.41	-1.34	0.37	-0.48	0.38	-0.24	0.33	0.79	0.48	0.05	0.950021	0.164608	0.774152	0.988223	0.997988	0.995907		
Atplad_O51414_S663v_1	Atplad_O5	1.48	1	2.16	1.18	1.64	1.15	1.82	1.77	-1.75	-1.77	-2.69	1.23	-0.19	-1.51	1.98	2.27	0.39	-1.715	-0.5675	0.518817	0.316464	0.10128	0.988223	0.997988	
Atplad_O51414_S665v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S667v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S669v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S671v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S673v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S675v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S677v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S679v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S681v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S683v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S685v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S687v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S689v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S691v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S693v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S695v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S697v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S699v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S701v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S703v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S705v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S707v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S709v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S711v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S713v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S715v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S717v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S719v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S721v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S723v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
Atplad_O51414_S725v_1	Atplad_O5	0.77	0.2	0.46	0.74	-0.06	0.69	0.51	0.77	0.57	0.46	0.87	0.6	-0.54	0.53	0.19	0.42	0.035	-0.3925	0.241057	0.920286	0.74072	0.996493	0.997988		
At																										

Bcml_Q8079_1739r_1	1.29	1.29	0.93	1.4	1.83	0.61	1.29	1.07	1.19	1.16	1.85	1.3	1.19	1.53	1.69	1.48	-0.0275	0.1475	0.245	0.147314	0.526668	0.171617	0.979335	0.997988	0.994666
Bcml_Q8079_1732r_1	0.73	1.16	0.73	1.15	1.25	0.55	1.33	1.35	0.41	1.06	2.55	1.32	0.47	1.08	1.34	1.46	-0.2425	0.15	0.21	0.551205	0.1986	0.50882	0.190221	0.997988	0.994666
Bcml_Q8079_1722r_2	-1.18	0.77	-0.07	-0.21	-0.85	-0.97	-0.58	-0.93	-1.86	-1.24	0.05	-0.57	-1.24	-0.61	-0.55	-0.52	-0.3425	-0.1675	-0.267615	0.973951	0.466868	0.189223	0.997988	0.995129	
Bcml_Q8079_1759r_1	0.86	1.26	0.84	0.76	1.13	0.78	0.99	0.81	0.96	1.29	0.69	1.23	0.75	1.38	1.44	1.28	-0.0025	0.1125	0.2825	0.119427	0.979016	0.566003	0.991817	0.997988	0.994666
Bcml_Q8079_1550r_1	1.05	1.41	1.01	0.45	0.72	0.83	0.96	0.94	0.76	1.04	0.75	1.08	0.47	1.22	1.01	0.71	-0.295	0.24	-0.105	0.760809	0.13378	0.485655	0.190221	0.997988	0.994666
Bcml_Q8079_1551r_1	-0.47	0.5	0.04	-0.49	0.58	-0.15	0.03	0.4	0.76	0.28	-0.25	0.03	0.88	0.9	0.45	-0.22	0.12	0.31	0.3825	0.173616	0.173977	0.18109	0.995437	0.997988	0.994666
Bcml_Q8079_1558r_1	0.39	0.77	0.9	0.84	0.77	0	0.83	0.47	0.72	0.45	0.87	0.88	0.49	0.58	1.04	0.52	-0.2325	-0.02	-0.0925	0.731713	0.396241	0.834265	0.189223	0.997988	0.9971
Bcml_Q8079_1559r_1	0.26	0.1	0.52	0.29	0.25	-0.17	0.42	0.83	-0.73	0.03	0.46	0.27	-0.52	-0.12	0.16	0.32	-0.01	-0.28	-0.25	0.136681	0.167872	0.188452	0.991817	0.997988	0.994666
Bcml_Q8079_1562r_1	0.4	0.22	0.64	0.4	0.22	0.64	0.38	0.52	0.34	0.38	0.52	0.34	0.38	0.52	0.34	0.38	0.52	0.34	0.156817	0.066102	0.120501	0.189223	0.997988	0.994666	
Bcml_Q8079_1571r_1	0.41	0.49	0.9	1.07	0.72	0.42	0.69	0.85	0.25	0.28	0.92	1.02	0.21	0.4	0.54	0.88	0.0525	-0.1	-0.21	0.469007	0.895159	0.178795	0.996493	0.997988	0.994666
Bcml_Q8079_1583r_1	0.547	-0.82	0.15	-2.76	-1.17	5.39	0.59	-2.06	-0.3	-0.25	-0.43	-2.11	4.04	-2.38	-1.56	-1.31	0.7525	-1.6875	-0.2875	0.888231	0.724384	0.173206	0.990451	0.997988	0.994666
Bcml_Q8079_1584r_1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.170009	0.927055	0.123666	0.997335	0.997988	0.994666	
Bcml_Q8079_1585r_1	0.58	1.51	0.94	0.8	0.44	0.57	0.22	0.56	1.23	0.75	1.22	0.54	1.3	0.29	0.74	1.31	-0.51	-0.0225	-0.0475	0.891177	0.675676	0.904511	0.189223	0.997988	0.995057
Bcml_Q8079_1591r_1	-0.69	-0.61	-0.32	-0.21	-0.68	-0.73	-0.54	-0.34	0.18	-0.47	-0.23	-0.05	-0.41	-0.24	-0.11	-0.24	-0.15	0.315	0.4125	0.175175	0.161756	0.231427	0.189223	0.997988	0.994666
Bcml_Q8079_1592r_1	0.12	0.44	0.12	0.44	0.12	0.44	0.12	0.44	0.12	0.44	0.12	0.44	0.12	0.44	0.12	0.44	0.12	0.44	0.615	0.124083	0.23671	0.16315	0.189223	0.994666	
Bcml_Q8079_1593r_1	-0.65	0.06	-0.32	-0.77	0.2	-0.16	-0.13	0.28	-0.31	-0.11	0.45	1.27	-0.64	0.04	-0.24	-0.46	0.4675	0.745	0.95	0.751215	0.181027	0.887508	0.189223	0.997988	0.9971
Bcml_Q8079_1543r_1	-1.33	-0.85	-1.02	-1.39	-0.78	-1.88	-0.82	-1.23	-1.16	-1.63	-1.67	1.15	-1.45	-0.66	-1.09	-1.425	-0.275	0.635	0.6401	0.663073	0.29616	0.990434	0.997988	0.994666	
Bcml_Q8079_1543r_2	-1.81	-1.51	-1.46	-1.18	-1.71	-1.85	-0.85	-1.26	-1.83	-1.81	-1.4	-1.6	-1.34	-0.68	-1.07	-1.35	-0.0025	0.215	1.3475	0.060222	0.982841	0.606687	0.190187	0.997988	0.994666
Bcml_Q8079_1543r_3	-0.37	-0.22	-1.26	-0.42	0.22	-0.41	-0.24	-0.81	0.45	0.11	-1.14	0.75	-0.22	0.73	0.03	0.72	0.265	0.8	0.067863	0.851508	0.571663	0.196439	0.997988	0.994666	
Bcml_Q8079_1578r_1	-1.73	-2.13	-0.9	-1.52	-0.55	-2.72	-0.92	-1.68	-0.89	-2.29	-1.35	-1.07	-1.19	-1.49	-0.78	-1.79	0.025	0.17	0.6025	0.23377	0.837078	0.672855	0.995762	0.997988	0.994666
Bcml_Q8079_1586r_1	-0.88	-0.4	-0.29	-0.61	-0.03	-0.37	-0.31	-0.49	-1.32	-0.87	-0.23	0.27	-0.05	0.31	0.37	0.055	0.2675	0.0725	0.028248	0.846764	0.400443	0.196439	0.997988	0.994666	
Bcml_Q8079_1590r_1	0.14	0.5	0.85	1.47	0.04	-0.23	0.93	-0.99	-0.13	0.75	1.02	0.95	1.05	0.2	1.36	1.4	-0.3078	-0.0925	0.2625	0.519234	0.425416	0.81228	0.189223	0.997988	0.994666
Bcml_Q8079_1600r_1	-0.8	-0.89	-1.5	-0.87	-0.19	-1.45	-0.61	-1.39	-0.33	-0.72	-0.77	-1.48	0.81	-0.08	-0.18	-0.51	0.355	0.44	1.275	0.085367	0.370238	0.242023	0.189223	0.997988	0.994666
Bcml_Q8079_1644r_1	0.02	0.74	0.16	0.56	0.48	0.36	0.68	0.55	-0.07	-0.29	0.2	0.27	0.1	0.57	0.08	0.11	-0.35	0.18	0.45975	0.658483	0.254745	0.196439	0.997988	0.994666	
Bcml_Q8079_1672r_1	0.92	0.78	0.46	0.36	1.2	0.28	1.24	0.11	0.35	1.23	0.23	0.2	0.86	1.2	1.05	0.85	0.0775	0.1275	0.36	0.185656	0.816794	0.883358	0.195762	0.997988	0.994666
Bcml_Q8079_1680r_1	0.09	0.35	-0.32	-0.27	0.61	-0.26	0.31	-0.16	0.11	0.28	-0.66	0.08	0.31	0.13	0.19	0.14	0.625	-0.01	-0.155	0.557414	0.576285	0.973468	0.189223	0.997988	0.995129
Bcml_Q8079_1681r_1	0.13	0.73	0.38	1.35	0.82	1.16	1.1	1.54	0.42	0.07	0.77	0.75	0.17	1.34	0.17	0.58	0.05	-0.4425	0.196717	0.241227	0.02283	0.196439	0.997988	0.994666	
Bcml_Q8079_1682r_1	0.51	0.05	2.97	2.76	1.77	6.68	2.53	2.44	3.7	3.37	2.04	2.89	3.1	1.71	2.19	2.49	0.0075	-1.0225	-0.97	0.208844	0.994901	0.291259	0.993995	0.997988	0.994666
Bcml_Q8079_1683r_1	-0.53	-0.81	-0.63	-1.46	-0.75	-1.06	-1.06	-1.04	-0.36	-0.05	-0.77	0.45	0.43	-2.13	-1.84	-0.51	0.8475	0.31	0.651609	0.341998	0.335555	0.189223	0.997988	0.995129	
Bcml_Q8079_1684r_1	0.07	0.1	0.07	0.1	0.07	0.1	0.07	0.1	0.07	0.1	0.07	0.1	0.07	0.1	0.07	0.1	0.07	0.1	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Bcml_Q8079_1685r_1	-3.61	-3.42	-2.94	-3.78	-2.27	-4.15	-3.49	-2.83	-4.03	-2.64	-2.34	-2.47	-2.02	-2.89	-3.12	-3.2525	-0.3425	1.0025	0.7077	0.557171	0.434427	0.189223	0.997988	0.994666	
Bcml_Q8079_1686r_1	-0.48	-1.54	-1.44	-0.76	-0.66	-2.28	-1.91	-0.44	-0.42	-0.32	-0.73	0.48	0.28	0.92	1.19	-0.0575	0.6025	0.7425	0.138603	0.929374	0.07205	0.979639	0.997988	0.994666	
Bcml_Q8079_1687r_1	-2.65	-2.89	-2.03	-1.62	-0.88	-2.04	-1.88	-0.57	-1.81	-0.32	-2.27	-2.28	-0.77	-1.08	-0.92	-1.11	-0.0225	-0.41	-0.4	0.25668	0.968287	0.18393	0.191817	0.997988	0.994666
Bcml_Q8079_1688r_1	1.1	1.82	0.75	1.74	0.61	0.92	0.76	0.95	0.27	0.61	0.39	0.94	1.34	0.92	0.445	0.31	0.025	0.932272	0.811635	0.23372	0.979639	0.997988	0.995057		
Bcml_Q8079_1689r_1	-1.16	-0.27	-0.79	-0.26	-0.57	0.47	0.32	-1.37	-0.08	-0.49	-0.2	0.32	0.57	-0.02	-0.47	1.065	0.54	1.015	0.0407	0.030284	0.156097	0.189223	0.997988	0.994666	
Bcml_Q8079_1690r_1	-0.48	-0.3	-0.64	-0.18	-0.87	-0.36	-0.56	-0.18	-1.11	-1.17	-1.17	-0.79	-2.08	-1.51	-1.15	-0.0225	-0.41	-0.4	0.25668	0.968287	0.18393	0.191817	0.997988	0.994666	
Bcml_Q8079_1691r_1	0.28	1.53	0.38	1.62	0.78	1.14	0.86	0.78	1.33	1.47	0.86	1.23	1.1	0.72	0.2525	-0.125	0.1875	0.038029	0.388771	0.35514	0.189223	0.997988	0.994666		
Bcml_Q8079_1692r_1	0.44	1.79	2.44	1.3	-0.57	2	1.18	2.97	1.06	0.88	2.18	2.31	1.59	1.3	1.47	-0.0975	-0.115	0.2735	0.255088	0.97128	0.286405	0.996493	0.997988	0.994666	
Bcml_Q8079_1693r_1	1.16	0.09	0.24	0.69	-0.99	0.8	-0.49	1.28	0.97	0.31	0.84	0.06	0.62	0.1	0.91	-0.92	-0.26	0.12	-0.7925	0.446617	0.638029	0.75412	0.189223	0.994666	
Bcml_Q8079_1694r_1	1.62	1.09	0.32	1.62	0.78	1.35	0.04	1.68	0.4	0.78	1.24	1.08	0.4	0.78	1.24	1.08	0.4	0.78	0.188093	0.788	0.47487	0.195762	0.997988	0.994666	
Bcml_Q8079_1695r_1	1.62	1.39	2.6	1.34	0.81	1	0.7	2.77	0.86	0.93	2.73	0.23	-1.15	0.36	3.23	-0.52	-0.2175	-0.1	-0.4975	0.589389	0.675016	0.848494	0.189223	0.997988	0.995057
Bcml_Q8079_1696r_1	0.61	-0.44	-0.05	0.1	0.34	0.82	0.02	0.34	1.12	0.44	0.11	-0.19	-0.2	1.11	0.26	-0.22	0.105	0.095	0.071826	0.990451	0.179883	0.948493	0.997988	0.995129	
Bcml_Q8079_1697r_1	0.08	0.31	-0.36	0.41	-0.25	0.38	0.02	0.38	0.02	0.38	0.02	0.38	0.02	0.38	0.02	0.38	0.02	0.38	0.47	0.74466	0.914885	0.186448	0.190187	0.997988	0.994666
Bcml_Q8079_1698r_1	0.9	0.92	-0.05	0.1	0.68	0.07	0.02	0.34	0.77	0.99	0.11	-0.19	0.33	1.18	0.26	-0.22	0.04	-0.0475	-0.25	0.568387	0.990451	0.990881	0.189223	0.997988	0.994666
Bcml_Q8079_1699r_1	3	1.51	3.46	0.54	0.91	2.99	4	3.71	0.87	2.26	0.78	0.43	0.75	0.88	1.02	0.42	0.775	0.6825	0.56	0.51205	0.369704	0.499472	0.189223	0.997988	0.995129
Bcml_Q8079_1700r_1	2.41	0.93	0.61	0.58	0.05	0.49	2.24	-0.97	0.82	1.44	-1.96	0.82	1.77	0.1	0.62	-0.17	0.765	0.58	0.41	0.27608	0.454285	0.12668	0.189223	0.997988	0.994666
Bcml_Q8079_1701r_1</																									

Caskin1_QP99K_S12328_1	Caskin1_Q1	1.76	1.69	0.43	1.19	1.31	2.21	1.76	1.78	0.92	2.16	1.64	1.41	0.62	2.24	1.45	1.61	0.1725	0.0225	-0.085	0.683445	0.186862	0.151128	0.989223	0.997988	0.995129	
Caskin1_QP99K_S12328_2	Caskin1_Q1	-0.4	0.19	0.1	0.19	0.1	0.19	0.1	0.19	0.1	0.19	0.1	0.19	0.1	0.19	0.1	0.19	0.1	0.0225	0.0225	-0.085	0.683445	0.186862	0.151128	0.989223	0.997988	0.995129
Caskin1_QP99K_S13300_1	Caskin1_Q1	4.16	3.41	0.61	1.15	1.4	2.06	0.65	0.89	3.53	1.99	0.68	0.3	3.47	3.76	0.67	0.68	0.5025	0.635	0.38	0.858291	0.533004	0.483714	0.989223	0.997988	0.995129	
Caskin1_QP99K_S3588_1	Caskin1_Q1	-0.17	0.44	0.46	0.44	0.44	-0.17	0.81	0.35	0	0.25	0.35	0.42	-0.26	0.56	-0.16	0.48	-0.5825	-0.7075	-0.1875	0.700872	0.820267	0.881818	0.997962	0.997988	0.995129	
Caskin1_QP99K_S3900_1	Caskin1_Q1	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31
Caskin1_QP99K_S4233_1	Caskin1_Q1	-0.85	-1.01	-1.6	-0.68	-0.56	-1.14	-0.98	-0.85	-0.89	-1.22	-0.68	-0.37	-1.4	-0.22	-1.22	-0.74	0.535	1.525	1.135	-0.6947	0.581145	0.120075	0.989223	0.997988	0.996159	
Caskin1_QP99K_S4323_1	Caskin1_Q1	0.63	0.34	-0.4	0.27	1.16	0.51	0	0.2	0.62	0.79	-0.09	0.15	0.6	0.39	0.14	0.31	1.525	0.85	0.14	0.618736	0.454194	0.830017	0.989223	0.997988	0.995129	
Caskin1_QP99K_S5700_1	Caskin1_Q1	0.78	0.89	0.66	1.1	0.99	0.74	0.33	0.37	0.85	0.78	0.86	-0.09	0.82	0.59	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
Caskin1_QP99K_S5700_2	Caskin1_Q1	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	
Caskin1_QP99K_S5700_3	Caskin1_Q1	0.48	-0.02	-0.42	0.38	0.13	0.43	0.54	0.08	-0.11	0.22	1.17	-0.12	-0.78	0.34	-0.76	-0.31	3.725	0.45	0.755	0.00232	0.453411	0.617132	0.989223	0.997988	0.996159	
Caskin1_QP99K_S5737_1	Caskin1_Q1	-0.99	-2.23	-1.52	-0.47	-1.24	-0.16	-0.66	-1.17	-1.11	-1.3	-0.41	-1.15	-0.4	-0.21	-1.03	-0.83	0.19	0.1875	-0.4825	0.130617	0.264249	0.464602	0.989223	0.997988	0.996159	
Caskin1_QP99K_S6200_1	Caskin1_Q1	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02	-3.02
Caskin1_QP99K_S8223_1	Caskin1_Q1	-2.93	-2.01	-2.38	-3.49	-1.46	-1.5	-2.33	-0.09	-2.55	-0.62	-1.48	-0.28	-1.52	-1.2	-2.71	0.8375	1.9175	0.41	0.042047	0.04364	0.052562	0.989223	0.997988	0.996159		
Caskin1_QP99K_S9338_1	Caskin1_Q1	-1.46	-1.19	-1.29	-0.91	-0.26	-1.15	-0.53	-0.89	-0.97	-0.63	0.14	-0.83	0.02	0.88	-0.96	-0.65	0.805	1.5175	1.275	0.132683	0.084312	0.263233	0.989223	0.997988	0.996159	
Caskin1_QP99K_S9655_1	Caskin1_Q1	0.69	-0.1	0.69	-0.1	0.69	-0.1	0.69	-0.1	0.69	-0.1	0.69	-0.1	0.69	-0.1	0.69	-0.1	0.69	-0.1	0.69	-0.1	0.69	-0.1	0.69	-0.1	0.69	-0.1
Caskin1_QP99K_S11979_1	Caskin1_Q1	1.68	1.85	2.62	0.89	2.09	1.7	2.33	1.83	0.7	1.69	-0.66	-0.33	-0.34	-0.4	2.8	2.81	0.11	-0.145	-0.4525	0.526443	0.04743	0.380277	0.989223	0.997988	0.996159	
Caskin1_QP99K_S1670_1	Caskin1_Q1	0.04	0.07	-0.14	-0.4	0.46	0.33	-0.19	-0.06	-0.25	-0.36	0.27	0.33	-0.37	0.17	0.04	0.12	0.2275	-1.0	-0.545	0.70742	0.278865	0.725913	0.989223	0.997988	0.9971	
Caskin1_QP99K_S1708_1	Caskin1_Q1	-0.38	-0.45	0.12	-0.15	-0.66	0.31	0.15	-0.75	-0.51	-0.19	0.21	-0.65	-0.14	-0.06	0.13	0.2725	0.85	0.0775	0.96352	0.780442	0.29253	0.95762	0.997988	0.995057		
Caskin1_QP99K_S1745_1	Caskin1_Q1	-0.04	-1.97	0.5	1.21	-0.27	0.06	0.81	0.59	-0.37	-1.39	0.64	-0.28	-0.58	-0.59	0.47	0.17	0.08	-0.1425	-0.10149	0.56603	0.853588	0.989223	0.997988	0.996159		
Caskin1_QP99K_S1759_1	Caskin1_Q1	0.33	-0.74	-0.86	-1.4	0.82	1.2	0.19	0.2	-1.66	-0.09	2.94	-2.18	-0.97	0.58	-1.25	-0.39	0.725	-1.35	-0.075	0.75452	0.21704	0.63867	0.989223	0.997988	0.9971	
Caskin1_QP99K_S1996_1	Caskin1_Q1	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	
Caskin1_QP99K_Y4579_1	Caskin1_Q1	0.13	0.19	-0.88	-0.24	-0.26	0.25	0.04	-0.22	-0.38	-0.49	0.64	-0.02	0.26	-0.16	-1.17	-0.58	0.645	0.875	0.7	0.706346	0.39066	0.267439	0.989223	0.997988	0.996159	
Caskin1_QP99K_Y6949_1	Caskin1_Q1	0.87	1.04	0.95	0.13	0.83	0.27	0.19	0.74	1.11	1.34	0.79	1.25	0.22	0.75	0.65	0.4025	0.5875	0.2175	0.161121	0.058309	0.665424	0.989223	0.997988	0.995129		
Cmp_P70877_S26_1	Cmp_P70877_S26_1	-0.05	-0.22	-0.88	-0.22	-0.88	-0.22	-0.88	-0.22	-0.88	-0.22	-0.88	-0.22	-0.88	-0.22	-0.88	-0.22	-0.88	-0.22	-0.88	-0.22	-0.88	-0.22	-0.88	-0.22	-0.88	-0.22
Cmt_Q02117_S117_1	Cmt_Q02117_S117_1	1.37	1.77	1.91	1.09	1.48	1.11	1.36	1.57	0.62	1.2	0.54	1.13	0.84	1.68	1.29	1.29	0.5525	0.2825	0.31	0.953109	0.724466	0.16241	0.959437	0.997988	0.995057	
Cmf202_Q07373_S209_1	Cmf202_Q07373_S209_1	-0.42	-0.65	-0.38	-0.82	-0.58	-0.31	-0.77	-0.72	-0.3	-0.21	-0.08	-1.81	0.45	-0.03	-0.08	-0.21	0.875	-0.4	-0.0715	0.04731	0.081086	0.893229	0.996493	0.997988	0.996159	
Cmf202_Q07373_S300_1	Cmf202_Q07373_S300_1	2.42	0.34	0.42	0.95	0.44	-0.25	0.08	-0.54	-0.83	1.08	-0.34	0.61	0.45	0.8	0.28	0.25	0.8025	0.02312	0.02312	0.71929	0.83473	0.989223	0.997988	0.995057		
Cmf202_Q07373_S5223_1	Cmf202_Q07373_S5223_1	-3.03	-2.79	-0.38	-2.21	-3.06	-1.16	-2.95	-2.83	-1.43	-1.76	-1.96	-1.34	-0.65	-2.99	-1.86	-2.3	1.3025	0.495	0.855	0.124181	0.401451	0.702125	0.989223	0.997988	0.996159	
Cmt_P22688_S6173_1	Cmt_P22688_S6173_1	-0.28	0.16	0.64	0.4	0.33	-0.72	0.8	0.55	-1.05	-0.32	1.5	-0.32	0.59	0.13	0.22	0.37	-0.2225	0.205	0.8275	0.40937	0.978917	0.68026	0.997988	0.997988	0.996159	
Cmt_P22688_S6183_1	Cmt_P22688_S6183_1	0.74	1.19	0.74	1.19	0.74	1.19	0.74	1.19	0.74	1.19	0.74	1.19	0.74	1.19	0.74	1.19	0.74	1.19	0.74	1.19	0.74	1.19	0.74	1.19	0.74	1.19
Cmb3_Q32383_S593_1	Cmb3_Q32383_S593_1	2.52	0.8	-2.1	-1.15	-0.77	2.56	-2.33	-0.61	3.15	1.74	-0.69	-1.71	2.63	-0.46	-0.08	-2.45	1.225	-0.52	-0.305	0.932227	0.807119	0.648055	0.997988	0.995057		
Cmb3_Q32383_S595_1	Cmb3_Q32383_S595_1	0.78	0.44	0.16	0.21	-1.88	0.54	-1.29	0.35	1.03	-0.29	2.52	0.6	1.12	-1	-1.03	-0.09	-0.305	0.05	0.1075	0.6072	0.108994	0.981514	0.989223	0.997988	0.995057	
Cmb3_Q64186_S3106_1	Cmb3_Q64186_S3106_1	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	
Cmb3_Q64186_S393_1	Cmb3_Q64186_S393_1	0	0.15	0.23	0.17	0.48	-0.33	0.13	0.04	0.01	-0.26	0.04	0.15	0.44	0.52	0.22	-0.43	-0.8675	0.365	0.8	0.75889	0.81033	0.842423	0.997988	0.995129		
Cmb3_Q90102_S1	Cmb3_Q90102_S1	0.04	0.21	-0.52	-0.02	-0.13	-0.44	-0.52	0.08	0.14	0.82	-0.47	-0.27	0.23	0.14	-0.74	-0.57	-0.075	-0.1725	-0.17	0.060611	0.916767	0.733321	0.997988	0.995129		
Cmb3_Q90102_S19_1	Cmb3_Q90102_S19_1	-0.87	-0.78	-0.28	-0.8	-0.21	-0.27	-0.22	-0.5	-0.69	-0.9	-1.25	-0.38	-0.89	-0.44	-0.34	-1.16	0.31	0.1175	-0.7125	-0.4789	0.30217	0.821786	0.989223	0.997988	0.996159	
Cmb3_Q90102_S209_1	Cmb3_Q90102_S209_1	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	
Cmb3_Q90102_S3900_1	Cmb3_Q90102_S3900_1	-0.43	-0.38	0.02	-0.07	-0.69	-0.8	-0.48	-0.39	-1.59	0.14	0.5	-0.25	-1.76	-1.81	-0.14	-0.24	-0.0725	-0.135	-0.6	0.119933	0.211158	0.850771	0.989223	0.997988	0.996159	
Cmb3_Q90102_S410_1	Cmb3_Q90102_S410_1	-0.34	-0.21	0	0.05	0.44	-1.22	-0.05	-1.28	0.36	0.49	0.89	-0.81	-0.35	-0.1	-0.35	-0.08	-0.77	-0.4935	-0.2425	0.347209	0.800024	0.989223	0.997988	0.996159		
Cmb3_Q90102_S410_2	Cmb3_Q90102_S410_2	-0.16	-0.09	-0.16	-0.09	-0.16	-0.09	-0.16	-0.09	-0.16	-0.09	-0.16	-0.09	-0.16	-0.09	-0.16	-0.09	-0.16	-0.09	-0.16	-0.09	-0.16	-0.09	-0.16	-0.09	-0.16	
Cmb3_Q90102_S420_1	Cmb3_Q90102_S420_1	-1.91	-2.41	-3.64	-1.66	-6.1	-2.11	-3.58	-2.91	-4.77	-2.12	-3.55	-2.06	-3.32	-3.39	-2.67	-3.39	2.485	2.8275	2.1	0.700388	0.332597	0.277777	0.989223	0.997988	0.996159	
Cmb3_Q90102_S420_2	Cmb3_Q90102_S420_2	0.4	0.73	0.163	0.79	0.94	0.3	0.98	2.44	0.88	0.67	2.54	-0.08	0.85	0.67	2.1	2.63	0.77	0.855	0.725	-0.20586	0.291591	0.78349	0.989223	0.997988	0.996159	
Cmb3_Q90102_S420_3	Cmb3_Q90102_S420_3	0.71	0.14	0.24	-1.83	-1.75	0.29	0.98	0.27	0.24	0.98	0.27	0.24	0.98	0.27	0.24	0.98	0.27	0.24	0.98	0.27	0.24	0.98	0.27	0.24	0.98	0.27
Cmb3_Q90102_S420_4	Cmb3_Q90102_S420_4	0.15	-0.12	-0.01	-0.04	0.7	0.07	-0.65	-0.25	0.79	0.41	1.02	0.05	0.68	-0.42	-0.89	-0.4	-0.875	-0.325	-0.558	0.65812	0.878208	0.70053	0.989223	0.997988	0.995129	
Cmb3_Q90102_S420_5	Cmb3_Q90102_S420_5	0.45	0.69																								

Cd2_OBP30_532s1	Cd2_OBP30_532s1	0.37	0.08	0	-0.52	-0.81	0.42	-1.05	-0.72	1.39	0.34	-0.16	-0.52	1.65	-0.43	-0.11	-0.23	-0.5725	0.2025	-0.1525	0.269991	0.1183	0.529107	0.989231	0.998239	0.995129
Cd2_OBP30_532s2	Cd2_OBP30_532s2	-0.63	-0.12	-0.39	-1.17	-2.3	-1.05	-1.5	-0.81	-1.79	-2.79	-0.51	-1.09	-1.02	-2.32	-0.93	-1.16	-0.5225	-0.28	0.2375	0.699484	0.266664	0.786264	0.978335	0.997888	0.998239
Cd3_OBP30_532s1	Cd3_OBP30_532s1	-0.37	-0.08	0	-0.52	-0.81	0.42	-1.05	-0.72	1.39	0.34	-0.16	-0.52	1.65	-0.43	-0.11	-0.23	-0.5725	0.2025	-0.1525	0.269991	0.1183	0.529107	0.989231	0.998239	0.995129
Cd3_OBP30_532s2	Cd3_OBP30_532s2	-0.63	-0.12	-0.39	-1.17	-2.3	-1.05	-1.5	-0.81	-1.79	-2.79	-0.51	-1.09	-1.02	-2.32	-0.93	-1.16	-0.5225	-0.28	0.2375	0.699484	0.266664	0.786264	0.978335	0.997888	0.998239
Cd4_OBP30_532s1	Cd4_OBP30_532s1	-0.37	-0.08	0	-0.52	-0.81	0.42	-1.05	-0.72	1.39	0.34	-0.16	-0.52	1.65	-0.43	-0.11	-0.23	-0.5725	0.2025	-0.1525	0.269991	0.1183	0.529107	0.989231	0.998239	0.995129
Cd4_OBP30_532s2	Cd4_OBP30_532s2	-0.63	-0.12	-0.39	-1.17	-2.3	-1.05	-1.5	-0.81	-1.79	-2.79	-0.51	-1.09	-1.02	-2.32	-0.93	-1.16	-0.5225	-0.28	0.2375	0.699484	0.266664	0.786264	0.978335	0.997888	0.998239
Cd5_OBP30_532s1	Cd5_OBP30_532s1	-0.37	-0.08	0	-0.52	-0.81	0.42	-1.05	-0.72	1.39	0.34	-0.16	-0.52	1.65	-0.43	-0.11	-0.23	-0.5725	0.2025	-0.1525	0.269991	0.1183	0.529107	0.989231	0.998239	0.995129
Cd5_OBP30_532s2	Cd5_OBP30_532s2	-0.63	-0.12	-0.39	-1.17	-2.3	-1.05	-1.5	-0.81	-1.79	-2.79	-0.51	-1.09	-1.02	-2.32	-0.93	-1.16	-0.5225	-0.28	0.2375	0.699484	0.266664	0.786264	0.978335	0.997888	0.998239
Cd6_OBP30_532s1	Cd6_OBP30_532s1	-0.37	-0.08	0	-0.52	-0.81	0.42	-1.05	-0.72	1.39	0.34	-0.16	-0.52	1.65	-0.43	-0.11	-0.23	-0.5725	0.2025	-0.1525	0.269991	0.1183	0.529107	0.989231	0.998239	0.995129
Cd6_OBP30_532s2	Cd6_OBP30_532s2	-0.63	-0.12	-0.39	-1.17	-2.3	-1.05	-1.5	-0.81	-1.79	-2.79	-0.51	-1.09	-1.02	-2.32	-0.93	-1.16	-0.5225	-0.28	0.2375	0.699484	0.266664	0.786264	0.978335	0.997888	0.998239
Cd7_OBP30_532s1	Cd7_OBP30_532s1	-0.37	-0.08	0	-0.52	-0.81	0.42	-1.05	-0.72	1.39	0.34	-0.16	-0.52	1.65	-0.43	-0.11	-0.23	-0.5725	0.2025	-0.1525	0.269991	0.1183	0.529107	0.989231	0.998239	0.995129
Cd7_OBP30_532s2	Cd7_OBP30_532s2	-0.63	-0.12	-0.39	-1.17	-2.3	-1.05	-1.5	-0.81	-1.79	-2.79	-0.51	-1.09	-1.02	-2.32	-0.93	-1.16	-0.5225	-0.28	0.2375	0.699484	0.266664	0.786264	0.978335	0.997888	0.998239
Cd8_OBP30_532s1	Cd8_OBP30_532s1	-0.37	-0.08	0	-0.52	-0.81	0.42	-1.05	-0.72	1.39	0.34	-0.16	-0.52	1.65	-0.43	-0.11	-0.23	-0.5725	0.2025	-0.1525	0.269991	0.1183	0.529107	0.989231	0.998239	0.995129
Cd8_OBP30_532s2	Cd8_OBP30_532s2	-0.63	-0.12	-0.39	-1.17	-2.3	-1.05	-1.5	-0.81	-1.79	-2.79	-0.51	-1.09	-1.02	-2.32	-0.93	-1.16	-0.5225	-0.28	0.2375	0.699484	0.266664	0.786264	0.978335	0.997888	0.998239
Cd9_OBP30_532s1	Cd9_OBP30_532s1	-0.37	-0.08																							

Cx_C0CZUC_S226_1	Cx_C0CZUC_0.74	1	0.24	0.08	0.63	0.27	0.05	0.17	0.64	0.64	1.03	0.49	0.67	0.93	0.17	0.27	0.73	0.2	0.4425	0.987844	0.144235	0.1527007	0.988223	0.999888	1	
Cx02_C0Y1U3_S486_1	Cx02_C0Y1U3_1.62	0.91	0.46	0.84	0.36	0.15	0.22	0.01	0.25	0.62	0.73	0.22	0.18	0.28	0.12	0.15	0.23	0.16	-0.005	0.113117	0.514382	0.722396	0.988223	0.999888	0.999888	
Cx01_C0Y1W5_S1233_1	Cx01_C0Y1W5_0.12	0.41	0.54	0.14	0.87	0.43	-0.13	-0.05	0.24	0.01	0.1	0.48	0.32	0.2	-0.14	0.675	0.1775	0.0775	0.548653	0.402392	0.978007	0.988223	0.999888	0.999888		
Cx01a1_F0Q2UC_1749P_1	Cx01a1_F0Q2UC_0.59	0.42	1.55	1.87	-1.58	0.18	0.58	1.32	0.06	0.23	0.01	1	0.01	-0.84	0.43	0.13	0.2275	0.00075	0.1825	0.151892	0.540490	0.420845	0.988223	0.999888	0.999888	
Cx01a1_C0Q2UC_S5133_1	Cx01a1_C0Q2UC_0.16	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	-0.441	0.072152	0.454079	0.119225	0.988223	0.999888	0.999888	
Cx01a1_C0Q2UC_S1347_1	Cx01a1_C0Q2UC_0.34	0.36	0.25	0.28	0.21	-0.33	0.44	0.43	0.21	0.04	0.92	0.4	0.17	0.35	0.05	0.105	0.2375	1.255	0.7375	0.415455	0.571638	0.440263	0.988223	0.999888	0.999888	
Cx01a1_C0M2UC_S3631_1	Cx01a1_C0M2UC_0.1	-0.21	0.01	-0.86	-0.54	0.42	0.84	-0.72	1.73	0.66	-1.73	-0.88	1.31	-1.94	-0.2	-0.27	-0.165	0.235	0.2675	0.746787	0.860597	0.385851	0.964949	0.999888	0.999888	
Cx01a1_C0M2UC_S3891_1	Cx01a1_C0M2UC_0.53	0.37	0.57	0.13	-0.68	0.09	0.55	0.69	-0.49	0.4	0.71	0.68	0.06	0.2	0.5	0.52	0.07	0.635	0.215	0.406848	0.31343	0.70758	0.988223	0.999888	0.999888	
Cx01a1_C0B1UC_S3813_1	Cx01a1_C0B1UC_0.51	0.78	0.81	0.78	0.81	0.78	0.81	0.78	0.81	0.78	0.81	0.78	0.81	0.78	0.81	0.78	0.81	0.78	0.7725	0.125913	0.797374	0.955848	0.988223	0.999888	0.999888	
Cx01a1_C0B1UC_S1214_1	Cx01a1_C0B1UC_0.72	-0.37	-0.41	-0.66	-0.27	-0.6	-0.9	-0.87	-0.36	-1.03	-2.58	-0.71	0.71	-0.83	-0.95	-0.5	0.1175	0.6875	0.22	0.711248	0.616486	0.305049	0.988223	0.999888	0.999888	
Cx02a1_G1X2UC_S1538_1	Cx02a1_G1X2UC_0.114	0.94	0.03	1.08	0.94	1	1.16	1.57	1	1.18	0.72	1.02	0.77	0.98	0.98	1.02	-0.13	0.47	0.14675	0.596575	0.59593	0.78262	0.988223	0.999888	0.999888	
Cx02a1_G1Y1UC_S4671_1	Cx02a1_G1Y1UC_0.025	0.71	0.02	0.71	0.02	0.71	0.02	0.71	0.02	0.71	0.02	0.71	0.02	0.71	0.02	0.71	0.02	0.71	0.1225	0.688941	0.54214	0.448418	0.988223	0.999888	0.999888	
Cx02a1_G1Y1UC_S4671_1	Cx02a1_G1Y1UC_0.21	0.68	0.27	0.11	0.64	0.53	0.72	0.49	0.1	0.93	-0.23	0.31	0.31	0.46	0.13	0.1925	-0.15	-0.1225	0.897187	0.722412	0.986979	0.988223	0.999888	0.999888		
Cx02a1_G1Y1UC_S4751_1	Cx02a1_G1Y1UC_0.27	-0.23	0.28	0.28	0.26	-0.23	0.61	0.43	-0.09	0.14	-0.13	0.2	0.47	0.14	0.29	0.15	0.2775	-0.04	-0.045	0.4505	0.450491	0.884409	0.988223	0.999888	0.999888	
Cx02a1_G1Y1UC_S4751_1	Cx02a1_G1Y1UC_0.35	-0.48	0.78	0.77	0.08	0.53	-0.45	-0.39	-0.1	0.76	0.31	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.025	0.47029	0.564409	0.420814	0.988223	0.999888	0.999888	
Cx02a1_G1Y1UC_S5411_1	Cx02a1_G1Y1UC_0.21	0.3	0.33	0.75	0.62	1.16	0.98	0.51	0.51	0.89	0.51	0.96	0.34	0.56	0.13	0.79	0.2125	0.23	0.875	0.77896	0.118611	0.21705	0.988223	0.999888	0.999888	
Cx02a1_G1Y1UC_S5431_1	Cx02a1_G1Y1UC_0.32	0.31	0.16	0.71	0.84	0.26	0.78	0.49	0.03	0.62	0.05	0.79	-0.9	0.45	0.13	0.55	0.42	0.32	-0.1125	0.411521	0.373959	0.92859	0.988223	0.999888	0.999888	
Cx01a1_R3X0UC_S5091_1	Cx01a1_R3X0UC_0.13	0.82	-0.16	-1	-0.48	0.12	-0.11	-1.35	-0.01	0.23	-0.26	1.3	-0.86	-1.16	0.5	0.2175	0.0025	-0.3175	0.883791	0.62002	0.90786	0.988223	0.999888	0.999888	0.999888	
Cx01a1_P9Y1UC_S5191_1	Cx01a1_P9Y1UC_0.71	0.94	0.46	0.46	0.81	0.46	0.64	0.52	0.05	0.68	0.17	0.52	-0.4	0.77	0.14	-0.2775	0.0675	-0.0875	0.214192	0.875091	0.778824	0.964949	0.999888	0.999888	0.999888	
Cx01a1_P9Y1UC_S581_1	Cx01a1_P9Y1UC_1.65	-0.54	-2.73	-4.5	-0.52	-0.8	-2.31	-2.63	-1.01	-1.23	-1.07	-2.41	-1.51	-0.4	-2.22	-0.35	0.2875	-0.45	0.425534	0.37271	0.268855	0.988223	0.999888	0.999888	0.999888	
Cx01a1_P9Y1UC_S5191_1	Cx01a1_P9Y1UC_0.88	0.55	-0.26	-1.15	0.38	-0.03	-1.35	-1.61	0.52	0.84	-1.89	-1.86	0.51	0.7	-1	-1.82	0.7	0.505	0.60	0.746468	0.973136	0.555235	0.969187	0.999888	0.999888	
Cx01a1_P9Y1UC_S5911_1	Cx01a1_P9Y1UC_1.96	-2.75	-30.7	-34.5	-3.56	-1.51	-3.3	-34.3	-0.8	-2.64	-1.23	-2.44	-0.41	-2.58	-1.5	-3.17	0.0275	0.1825	0.28	0.152514	0.78635	0.971399	0.95762	0.999888	0.999888	
Cx02a1_H3X0UC_S4861_1	Cx02a1_H3X0UC_0.52	0.35	-0.99	0.71	0.22	-0.53	0.22	-0.46	-0.27	-0.2	0.47	-1.03	0.55	0.59	0.06	-0.02	-0.1425	1.08	0.98	0.52244	0.36444	0.941494	0.988223	0.999888	0.999888	
Cx02a1_H3X0UC_S5431_1	Cx02a1_H3X0UC_1.05	-2.27	1.22	-1.07	0.22	-0.41	0.7	-1.7	0.2	0.23	0.4	1.67	-0.38	0.94	0.68	0.31	-0.025	0.43857	0.33857	0.000498	0.104139	0.988223	0.999888	0.999888	0.999888	
Cx02a1_H3X0UC_S5931_1	Cx02a1_H3X0UC_0.48	-1.47	-1.76	-1.42	-1.78	-0.28	0.26	-0.81	-4.66	-1.46	-0.37	-2.63	-0.45	-0.17	-0.36	1.74	1.025	0.85	0.118435	0.264339	0.582867	0.988223	0.999888	0.999888	0.999888	
Cx02a1_H3X0UC_S5811_1	Cx02a1_H3X0UC_0.36	0.74	0.2	0.76	0.88	0.17	0.32	0.39	-0.09	0.32	0.33	0.15	0.89	0.04	0.69	0.94	0.975	0.6175	0.35	0.460755	0.777136	0.195439	0.95762	0.999888	0.999888	
Cx01a1_D7Y5UC_S5011_1	Cx01a1_D7Y5UC_0.57	-0.61	-0.32	-1	-0.48	-0.11	-0.67	-0.11	-0.33	0.76	-0.63	0.07	0.33	-1.60	-0.81	0.975	0.3375	0.3	0.44892	0.207851	0.129111	0.988223	0.999888	0.999888	0.999888	
Cx01a1_Q8B1UC_S59_1	Cx01a1_Q8B1UC_0.94	0.04	0.06	-0.22	0.06	0.69	-0.05	-0.13	0.48	0.24	0.11	0.3	1.46	0.65	0.14	-0.32	0.4225	0.45	0.355	0.655733	0.848455	0.978073	0.964949	0.999888	0.999888	
Cx01a1_Q8B1UC_S511_1	Cx01a1_Q8B1UC_1.63	-1.28	-1.32	-2.23	-0.67	-2.03	-1.54	-1.71	-1.61	-1.51	-1.07	-1.58	-1.73	-0.82	-1.54	-1.7	-0.0625	0.0705	0.2075	0.625254	0.723256	0.562608	0.959447	0.999888	0.999888	
Cx01a1_Q8B1UC_S5751_1	Cx01a1_Q8B1UC_0.41	0.88	0.55	0.26	0.11	0.38	-0.03	-1.35	-1.61	0.52	0.84	-1.89	-1.86	0.51	0.7	-1	-1.82	0.7	0.505	0.60	0.746468	0.973136	0.555235	0.969187	0.999888	0.999888
Cx01a1_Q8B1UC_S6671_1	Cx01a1_Q8B1UC_1.78	0.26	1.38	1.39	1.62	1.58	1.63	1.62	2.06	2.26	2.8	1.56	1.23	0.06	1.16	1.35	-0.005	-0.42	0.202448	0.251468	-0.599976	0.988223	0.999888	0.999888	0.999888	
Cx01a1_Q8B1UC_S6671_1	Cx01a1_Q8B1UC_0.65	0.86	0.97	1.33	-0.28	0.37	1.06	1.51	0.41	0.54	1.33	1.81	-2.48	0.73	-1.15	1.7	-0.315	0.2475	-0.175	0.175	0.47979	0.484672	0.988223	0.999888	0.999888	
Cx01a1_Q8B1UC_S6671_1	Cx01a1_Q8B1UC_0.53	0.5	0.41	1.47	-2.29	0.15	0.78	1.4	-0.11	0.4	0.79	1.67	-1.57	-0.22	-0.11	1.42	-0.825	-0.04	-0.335	0.774077	0.340003	0.26988	0.988223	0.999888	0.999888	
Cx01a1_Q8B1UC_S6671_1	Cx01a1_Q8B1UC_0.35	0.18	0.34	0.18	0.34	0.18	0.34	0.18	0.34	0.18	0.34	0.18	0.34	0.18	0.34	0.18	0.34	0.18	0.025	0.104239	0.104239	0.955848	0.988223	0.999888	0.999888	
Cx01a1_Q8B1UC_S6671_1	Cx01a1_Q8B1UC_0.85	1.36	1.11	0.78	1.39	0.58	1.18	1.33	0.89	0.78	1.7	1.69	-1.4	1.88	1.48	0.19	0.2425	-0.1875	-0.285	0.941871	0.608895	0.452324	0.988223	0.999888	0.999888	
Cx01a1_Q8B1UC_S6671_1	Cx01a1_Q8B1UC_1.2	0.15	0.23	0.23	0.95	0.88	0.4	0.41	0.63	0.56	-0.42	0.15	-0.38	-0.48	-0.05	-0.21	0.145	-0.34	-0.025	0.183521	0.507259	0.53987	0.988223	0.999888	0.999888	
Cx01a1_Q8B1UC_S6671_1	Cx01a1_Q8B1UC_0.64	0.88	0.55	0.44	-0.05	0.44	0.88	0.55	0.44	-0.05	0.44	0.88	0.55	0.44	-0.05	0.44	0.88	0.55	0.44	0.88	0.55	0.44	-0.05	0.44	0.88	0.55
Cx01a1_Q8B1UC_S6671_1	Cx01a1_Q8B1UC_0.19	0.42	1.28	-1.29	0.72	0.08	2.59	1.18	-0.32	0.06	0.7	2.63	0.07	0.11	1.21	2.85	0.475	-0.475	0.72137	0.526364	0.962025	0.988223	0.999888	0.999888	0.999888	
Cx01a1_Q8B1UC_S6671_1	Cx01a1_Q8B1UC_0.15	0.64	0.64	0.99	0.87	0.64	0.99	0.87	0.64	0.99	0.87	0.64	0.99	0.87	0.64	0.99	0.87	0.64	0.15	0.12514	0.787387	0.130395	0.95762	0.999888	0.999888	
Cx01a1_Q8B1UC_S6671_1	Cx01a1_Q8B1UC_0.74	-1.5	-1.44	-1.5	-1.28	-1.44	-1.01	-1.5	-1.34	-0.95	-1.67	-1.69	-0.88	-0.53	-1.3	-1.7	-0.0625	-0.025	-0.025	0.976361	0.210011	0.492526	0.988223	0.999888	0.999888	
Cx01a1_Q8B1UC_S6671_1	Cx01a1_Q8B1UC_0.87	0.6	-0.56	0.4	0.69	-0.82	0.35	0.15	1.09	1.21	1.61	-0.48	1.25	1.41	-0.42	-0.64	-0.025	0.1925	0.18	0.238036	0.13276	0.10795	0.988223	0.999888	0.999888	
Cx01a1_Q8B1UC_S6671_1	Cx01a1_Q8B1UC_1.12	-1.02	-1.14	-1.02	-1.14	-1.02	-1.14	-1.02	-1.14	-1.02	-1.14	-1.02	-1.14	-1.02	-1.14	-1.02	-1.14	-1.02	0.025	0.104239	0.104239	0.955848	0.988223	0.999888	0.999888	
Cx01a1_Q8B1UC_S6671_1	Cx01a1_Q8B1UC_0.39	-0.11	0.15	0.07	0.86	-0.74	0.9	0.35	-0.87	0.65	0.01	0.49	-0.55	0.16	-0.17	0.4	-0.1175	0.75	0.9025	0.913911	0.302926	0.588853	0.988223	0.999888	0.999888	
Cx01a1_Q8B1UC_S6671_1	Cx01a1_Q8B1UC_0	-0.45	-0.59	-0.38	-0																					

Dcm1_Q0K056_S385_1	Dcm1_Q0K0	-0.18	0.66	0.14	0.3	0.74	0.85	0.67	0.27	-0.24	-0.34	-0.11	0.08	-0.62	0.02	0.2	0.3	0.45	-0.2325	-0.2975	0.481172	0.299556	0.167141	0.988223	0.997988	0.998466	
Dcm1_Q0K056_S387_1	Dcm1_Q0K0	0.03	0.42	0.07	0.09	0.26	0.15	0.24	0.17	-0.17	-0.17	0.17	0.17	-0.17	0.17	-0.17	0.17	0.17	-0.2325	-0.2975	0.481172	0.299556	0.167141	0.988223	0.997988	0.998466	
Dcm1_Q0K056_S688_1	Dcm1_Q0K0	0.13	0.56	0.27	0.46	0.55	0.27	0.5	0.34	0.05	0.58	0.01	0.3	0.54	0.65	0.01	0.25	0.0525	-0.505	-0.6575	0.32783	0.806133	0.467837	0.999187	0.997988	0.998466	
Dcm1_Q0K056_T884_1	Dcm1_Q0K0	-0.18	-0.11	-0.24	0.01	-0.24	-1.38	0.4	0.3	0.15	-0.08	-0.35	-0.21	1.65	1.13	0.45	0.26	0.01	-0.175	-0.3125	0.112364	0.821266	0.973304	0.939762	0.997988	0.998466	
Dcm01_H0K011_S61_1	Dcm01_H0K011	0.11	0.47	-0.03	0.17	0.42	0.25	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	
Dcm01_Q0K418_S341_1	Dcm01_Q0K418	0.06	0.13	0.92	1.23	0.5	0.45	1.22	1.28	-0.2	-0.49	1.51	1.57	0.51	0.92	1.93	1.66	0.075	-0.535	-0.6775	0.146213	0.452584	0.855504	0.982323	0.997988	0.998466	
Dcm01_Q0K418_S235_1	Dcm01_Q0K418	-0.46	-1.27	-0.1	-0.53	-1.12	-0.23	-1.18	-0.16	0.73	-0.49	-0.83	-0.02	-0.99	-0.61	-0.68	0.06	0.2775	0.1125	0.665	0.966546	0.686231	0.303105	0.949672	0.997988	0.999507	
Dcm01_Q0K418_S277_1	Dcm01_Q0K418	-2.24	-2.07	-2.09	-2.05	-1.23	-1.43	-1.41	-1.35	-2.35	-2.13	-0.11	-1.58	-1.39	-1.79	-1.34	-1.81	-2.175	0.475	0.01	0.020072	0.831338	0.158326	0.982323	0.997988	0.998466	
Dcm01_Q0K418_T896_1	Dcm01_Q0K418	-2.54	-2.4	-2.54	-2.4	-2.54	-2.4	-2.54	-2.4	-2.54	-2.4	-2.54	-2.4	-2.54	-2.4	-2.54	-2.4	-2.54	-2.4	-2.54	-2.4	-2.54	-2.4	-2.54	-2.4	-2.54	
Dcm01_Q0K418_S281_1	Dcm01_Q0K418	0.51	0.64	0.33	0.22	0.45	0.3	0.85	0.65	-0.33	-0.24	-0.25	-0.28	0.98	0.78	0.81	1.27	1.01	0.9925	1.1225	0.95254	0.551435	0.966403	0.988223	0.997988	0.999507	
Dcm01_Q0K418_S285_1	Dcm01_Q0K418	1.83	1.45	1.18	1.1	0.18	1.5	0.21	0.62	-0.38	1.77	0.2	-0.33	0.88	1.48	-2.83	1.36	0.375	-0.455	-0.45	0.81095	0.87008	0.949672	0.997988	0.999507		
Dcm01_Q0K418_S291_1	Dcm01_Q0K418	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19		
Dcm01_Q0K418_S295_1	Dcm01_Q0K418	-1.02	-1.54	-1.09	-1.44	-1.76	-1.21	-1.85	-2	-0.07	-0.92	-1.11	-2.17	0.31	-0.85	-0.57	-0.63	-0.5875	-0.305	-0.025	0.07702	0.121402	0.164026	0.988223	0.997988	0.998466	
Dcm01_Q0K418_S299_1	Dcm01_Q0K418	-0.76	-0.37	-0.49	0.01	0.68	-0.58	-0.02	-0.16	-0.16	0.2	0.85	-0.56	0.37	0.71	-1.42	0.39	-0.425	0.205	0.8375	0.65544	0.877436	0.725407	0.988223	0.997988	0.999529	
Dcm01_Q0K418_S303_1	Dcm01_Q0K418	0.12	-0.57	-0.14	-0.64	-0.57	-1.78	-1.38	-0.54	0.87	0.88	-0.87	0.01	0.07	-0.07	0.12	0.2	0.375	0.25	0.2	0.47004	0.93322	0.2	0.3631	0.988223	0.997988	0.998466
Dcm01_Q0K418_S307_1	Dcm01_Q0K418	1.45	1.04	0.83	0.97	1.08	1.86	0.78	0.96	0.45	0.89	1.31	0.68	-0.28	0.71	0.63	0.17	-0.5675	0.4025	0.65	0.03484	0.734733	0.389915	0.976762	0.997988	0.998466	
Dcm01_Q0K418_T898_1	Dcm01_Q0K418	1.57	2.28	1.74	2	1.58	1.92	1.6	1.21	1.22	1.17	1.54	0.32	-0.25	1.11	2.26	0.0975	-0.4	-0.765	0.4731	0.152686	0.942421	0.988223	0.997988	0.998466		
Dcm01_Q0K418_S312_1	Dcm01_Q0K418	-2.34	-1.88	-2.01	-1.88	-1.55	-1.01	-1.56	-1.03	-1.56	-1.03	-1.56	-1.03	-1.56	-1.03	-1.56	-1.03	-1.56	-1.03	-1.56	-1.03	-1.56	-1.03	-1.56	-1.03	-1.56	
Dcm01_Q0K418_S316_1	Dcm01_Q0K418	-0.81	-0.37	-0.1	0.22	0.13	-0.52	-0.22	0	-0.16	-0.57	0.25	0.1	0.04	0.14	0.19	0.24	0.905	0.89	0.6	0.73969	0.989305	0.951532	0.994893	0.997988	0.998466	
Dcm01_Q0K418_S320_1	Dcm01_Q0K418	0.56	-0.56	0.05	0.01	0.85	0.31	-0.15	0.18	0.59	0.59	0.44	0.21	0.62	1.28	0.13	0.14	0.1125	0.17	0.4175	0.15973	0.349693	0.131304	0.988223	0.997988	0.998466	
Dcm01_Q0K418_S324_1	Dcm01_Q0K418	-0.85	-0.47	-0.61	-0.48	-0.12	-1.09	-1.4	0	-0.09	-0.4	-0.51	-0.36	1.46	1.14	-0.89	0.3125	0.4725	0.5575	0.108113	0.124081	0.012886	0.988223	0.997988	0.998466		
Dcm01_Q0K418_S328_1	Dcm01_Q0K418	-4.07	-2.83	-1.98	-3.2	-4.59	-2.02	-1	-2.77	-3.42	-1.56	-2.61	-0.69	-1.88	-2.03	-2.25	-0.585	0.915	1.375	0.204097	0.565107	0.124097	0.988223	0.997988	0.998466		
Dcm01_Q0K418_S332_1	Dcm01_Q0K418	0.3	-0.13	-0.42	-0.29	-0.33	-0.49	-0.16	0.21	0.01	0.16	0.09	0.64	0.51	1.13	0.06	0.4425	0.8	1.7125	0.38072	0.652427	0.88092	0.990494	0.997988	0.998466		
Dcm01_Q0K418_S336_1	Dcm01_Q0K418	2.84	-2.2	-1.73	-1.1	-2.08	-2.42	-1.2	-1.93	-2.19	-1.25	-1.59	-1.25	-1.59	-1.25	-1.59	-1.25	-1.59	-1.25	0.36	0.050598	0.061522	0.369576	0.988223	0.997988	0.998466	
Dcm01_Q0K418_S340_1	Dcm01_Q0K418	-0.4	-0.49	-1.25	-0.69	-0.35	-0.51	-1.02	-1.11	-1.03	-0.06	-0.15	-0.48	-0.77	-1.28	-1.86	-0.95	0.2925	0.355	0.81	0.025098	0.56325	0.150708	0.988223	0.997988	0.998466	
Dcm01_Q0K418_S344_1	Dcm01_Q0K418	-3.11	-2.91	-1.83	-1.96	-1.95	-2.71	-1.53	-2.7	-2.35	-3.47	-1.55	-2.34	-0.77	-1.65	-3.27	-1.75	0.21	0.5275	-0.2975	0.095148	0.583186	0.958816	0.988223	0.997988	0.998466	
Dcm01_Q0K418_S348_1	Dcm01_Q0K418	-1.27	-1.42	-1.18	-1.63	-1.41	-1.46	-1.28	-1.19	-1.07	-1.25	-0.81	-0.54	-1.19	-1.61	-1.69	0.1	0.025	0.275	0.146625	0.715386	0.950597	0.959437	0.997988	0.998466		
Dcm01_Q0K418_S352_1	Dcm01_Q0K418	-1.17	-1.26	-1.59	-1.65	-1.54	-1.51	-1.18	-1.45	-0.8	-1.29	-0.77	-0.69	-0.49	-1.18	-1.69	-1.41	0.0825	0.5475	0.7275	0.04965	0.991319	0.960526	0.999187	0.997988	0.998466	
Dcm01_Q0K418_S356_1	Dcm01_Q0K418	-0.3	0.03	0.1	0.1	-0.34	-0.36	0.03	0.01	0.21	0.24	-0.4	0.03	0.04	0.08	0.1	0.21	-0.0025	0.53	0.225	0.04274	0.156578	0.348955	0.988223	0.997988	0.999529	
Dcm01_Q0K418_S360_1	Dcm01_Q0K418	2	1.71	0.71	0.6	-0.06	-0.15	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	0.225	0.102128	0.14749	0.356466	0.988223	0.997988	0.998466	
Dcm01_Q0K418_S364_1	Dcm01_Q0K418	-2	-1.71	-0.71	0.6	-0.06	-0.15	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	0.225	0.102128	0.14749	0.356466	0.988223	0.997988	0.998466	
Dcm01_Q0K418_S368_1	Dcm01_Q0K418	-2.17	-2.24	-2.37	-2.69	-2.01	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	0.8725	0.120128	0.83749	0.356466	0.988223	0.997988	0.998466	
Dcm01_Q0K418_S372_1	Dcm01_Q0K418	-0.1	0.31	0.43	0.34	0.32	0.42	0.55	0.33	0.12	-0.12	0.88	0.14	0.73	0.07	0.17	0.56	0.0725	0.29	0.0575	0.501331	0.1	0.24897	0.1	0.997988	0.998466	
Dcm01_Q0K418_S376_1	Dcm01_Q0K418	0.54	0.57	0.44	0.57	0.44	0.57	0.44	0.57	0.44	0.57	0.44	0.57	0.44	0.57	0.44	0.57	0.44	0.57	0.44	0.57	0.44	0.57	0.44	0.57		
Dcm01_Q0K418_S380_1	Dcm01_Q0K418	-0.47	0.15	0.57	-0.82	-0.16	-0.44	-0.08	-0.8	-0.87	-0.22	-0.76	-0.22	-0.19	-0.03	-0.66	-0.57	0.1325	0.235	0.07	0.833758	0.841782	0.768767	0.990494	0.997988	0.999507	
Dcm01_Q0K418_S384_1	Dcm01_Q0K418	-1.97	-1	-1.45	-1.16	-1.11	-1.16	-1.13	-1.16	-1.13	-1.16	-1.13	-1.16	-1.13	-1.16	-1.13	-1.16	-1.13	-1.16	0.065	0.73381	0.806705	0.488785	0.994949	0.997988	0.999507	
Dcm01_Q0K418_S388_1	Dcm01_Q0K418	0.47	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4		
Dcm01_Q0K418_S392_1	Dcm01_Q0K418	0.32	0.56	0.27	0.24	0.01	0.35	0.1	0.09	0.96	0.2	0.64	0.3	0.01	0.93	0.14	0.16	0.5075	0.35	0.8	0.98276	0.61078	0.887339	0.988223	0.997988	0.998466	
Dcm01_Q0K418_S396_1	Dcm01_Q0K418	-2.05	-1.28	-3.01	-2.75	-0.88	-2.25	-2.04	-1.87	-1.08	-1.74	0.15	-2.61	-1.09	-2.64	-1.35	-2.89	-0.1	-0.1575	-0.0075	0.944633	0.94544	0.150708	0.999187	0.997988	0.998466	
Dcm01_Q0K418_S400_1	Dcm01_Q0K418	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	0.005	0.195726	0.70546	0.98477	0.988223	0.997988	0.998466	
Dcm01_Q0K418_S404_1	Dcm01_Q0K418	-1.36	-1.74	-1.25	-1.39	-0.91	-1.42	-0.72	-0.56	-2.19	-0.73	0.58	-1.21	-1.26	-0.91	-1.08	-1.08	-1.1675	0.6925	0.15192	0.065454	0.327728	0.988223	0.997988	0.998466		
Dcm01_Q0K418_S408_1	Dcm01_Q0K418	-0.62	-1.54	-1.07	-1.18	-1.67	-1.44	-1.45	-0.75	-0.95	-0.76	-1.23	-1.66	-0.25	-0.57	-1.51	-1.51	-1.51	-1.51	0.5275	0.5475	0.3735	0.833608	0.384439	0.997988	0.998466	
Dcm01_Q0K418_S412_1	Dcm01_Q0K418	0.02	0.67	0.53	0.67	0.53	0.67	0.53	0.67	0.53	0.67	0.53	0.67	0.53	0.67	0.53	0.67	0.53	0.67	0.53	0.67	0.53	0.67	0.53	0.67		
Dcm01_Q0K418_S416_1	Dcm01_Q0K418	0.25	-0.35	-1.89	-1.43	-0.67	0.86	-0.78	-2	0.39	-1.43	-1.13	-0.79	-1.63	0.81	-1.31	-1.75	0.02	0.745	0.3225	0.84384	0.44611	0.247072	0.988223	0.997988	0.999507	
Dcm01_Q0K418_S420_1	Dcm01_Q0K418	-0.27	-0.08																								

Doc#1_08184_51428.1	Doc#1_Q08	-0.41	0.57	0.38	0.78	0.77	0.9	-0.91	-0.31	1.2	0.7	0.18	0.1	0.78	0.88	-0.04	-0.31	0.2625	0.09	0.2775	0.973	0.28689	0.04670	0.95762	0.99788	0.99507
Doc#1_08184_51428.2	Doc#1_Q08	0.15	0.05	-0.29	-0.26	-0.09	-0.7	-0.44	0.22	0.04	0.84	0.49	0.03	0.25	0.05	-0.22	-0.53	0.1725	0.405	0.1735	0.25467	0.00918	0.1	0.99788	0.99886	0.99886
Doc#1_08184_51428.3	Doc#1_Q08	-0.09	0.12	-0.12	0.06	-0.14	-0.18	-0.73	-0.15	-0.13	0.05	0.07	-0.15	-0.08	-0.12	-0.05	-0.16	0.0075	0.073	0.12695	0.00732	0.00922	0.99788	0.99886	0.99886	
Doc#1_08184_51428.4	Doc#1_Q08	0.08	0.1	-0.06	0.09	-0.17	0.63	0.15	0.1	0.21	0.05	0.28	0.3	-0.33	-0.2	0.62	0.7	0.165	0.445	0.1475	0.1778	0.00904	0.37812	0.99788	0.99886	
Doc#1_08184_51428.5	Doc#1_Q08	-0.59	-1.41	-0.86	-0.75	-0.11	-0.41	0.01	-0.9	-0.31	-0.27	-0.18	-0.11	-0.57	-0.1	-0.24	-0.18	0.805	-0.405	-0.41863	-0.01464	-0.44163	-0.99788	-0.99886	-0.99886	
Doc#1_08184_51428.6	Doc#1_Q08	-1.8	-1.21	-0.82	-0.86	-2.15	-1.88	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	
Doc#1_08184_51428.7	Doc#1_Q08	-0.22	0.08	-0.11	0.38	-0.26	0.72	0.24	0.44	0.84	0.06	0.62	0.23	0.72	1.32	0.52	0.65	-0.3125	0.6775	0.2335	0.0315	0.02845	0.00989	0.99788	0.99886	
Doc#1_08184_51428.8	Doc#1_Q08	-0.95	0.06	-0.59	0.45	-0.02	0.74	0	0.2	0.39	0.57	1.73	0.62	0.92	0.63	-0.23	0.64	-0.5725	0.875	0.38949	0.41180	0.35208	0.99788	0.99886	0.99886	
Doc#1_08184_51428.9	Doc#1_Q08	0.17	0.25	0.13	1.18	-0.17	0.27	0.45	0.57	0.03	0.04	0.74	0.79	0.12	0.32	0.28	1.24	0.1475	0.42	0.0075	0.0732	0.00918	0.66373	0.99788	0.99886	
Doc#1_08184_51428.10	Doc#1_Q08	0.04	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
Doc#1_08184_51428.11	Doc#1_Q08	-0.66	-1.57	-0.34	-0.18	-1.12	-1.27	-0.36	-0.56	-0.61	-0.83	-0.22	0.71	-0.27	-1.34	0.29	-1.16	-0.825	-0.1675	-0.1575	-0.48754	-0.7081	-0.94225	-0.99788	-0.99886	
Doc#1_08184_51428.12	Doc#1_Q08	-0.05	0.04	-0.11	-0.42	-0.34	-0.99	-0.46	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	-0.48	
Doc#1_08184_51428.13	Doc#1_Q08	-0.11	-0.22	-0.08	-0.24	-0.18	-0.41	0.35	0.56	0.46	0.48	-0.45	0.15	0.34	0.65	0.79	0.31	-0.25	0.38	0.6275	0.3275	0.18474	0.99788	0.99886	0.99886	
Doc#1_08184_51428.14	Doc#1_Q08	-0.86	-1.3	-1.7	-2.25	-0.05	0	-1.63	-2.32	0.59	-1.21	-4.47	-0.20	0.86	-1.44	-0.78	-0.97	-0.0625	0.075	-0.325	-0.10592	-0.5194	-0.79317	-0.99788	-0.99886	
Doc#1_08184_51428.15	Doc#1_Q08	-0.41	-0.6	-0.18	-0.27	-0.63	0.71	0.62	-0.67	-0.12	0.28	0.22	-0.92	0.04	0.48	0.74	0.2775	-0.5225	0.845	0.8026	0.84831	0.18911	0.99788	0.99886	0.99886	
Doc#1_08184_51428.16	Doc#1_Q08	-0.07	0.02	0.02	0.02	0.02	0																			

EF4B_08B009_5207v1	EF4B_08B8	-1.58	-1.44	-2.47	-2.84	-0.8	-1.18	-1.51	-2.08	0.99	-1.24	-0.06	-2.09	-1.24	-0.44	-2.39	-2.49	-0.285	0.00775	0.3625	0.431244	0.121282	0.07084	0.989223	0.997988	0.994666	
EF4B_08B009_5383v1	EF4B_08B8	-1.59	-1.48	-2.47	-2.84	-0.8	-1.18	-1.51	-2.08	0.99	-1.24	-0.06	-2.09	-1.24	-0.44	-2.39	-2.49	-0.285	0.00775	0.3625	0.431244	0.121282	0.07084	0.989223	0.997988	0.994666	
EF4B_08B009_5406v1	EF4B_08B8	-6.83	-4.88	2.32	-1.59	-0.34	6.87	6.61	-1.01	0.36	5.81	0.65	2.65	-2	-0.29	3.84	-4.88	1.475	1.37	0.02023	0.549903	0.937689	0.860465	0.989223	0.997988	0.994666	
EF4B_08B009_5409v1	EF4B_08B8	-3.65	-4.79	-2.36	-7.13	-4.68	-2.29	-3.87	-3.41	-1.1	-4.84	-2.68	-0.35	0.83	-4.42	-1.34	-3.73	1.5125	0.5225	1.625	0.12633	0.304707	0.184468	0.989223	0.997988	0.994666	
EF4B_08B009_5422v1	EF4B_08B8	-0.65	-1.49	-0.22	-1.5	-0.7	-1.12	-1.5	-0.7	-1.12	-1.5	-0.7	-1.12	-1.5	-0.7	-1.12	-1.5	-0.65	0.00775	0.3625	0.431244	0.121282	0.07084	0.989223	0.997988	0.994666	
EF4B_08B009_5424v1	EF4B_08B8	-0.66	0.01	0.02	-0.87	-1.2	-0.42	-0.68	-0.35	2.16	-1.07	-1.23	0.55	2.65	-1.24	-0.34	-0.66	0.01	0.02	0.515	0.791312	0.072242	0.956666	0.989223	0.997988	0.995907	
EF4B_08B009_5445v1	EF4B_08B8	-2.28	-2.11	-2.12	-2.8	-1.77	-2.74	-1.98	-2.48	-2.66	-2.01	-0.06	-2.86	-1.82	-1.65	-2.35	-2.47	-7.7225	0.0425	0.2125	0.42033	0.783432	0.437073	0.919762	0.997988	0.994666	
EF4B_08B009_5495v1	EF4B_08B8	-0.72	-0.69	0.33	0.08	-2.75	0.98	-2.24	-0.59	1.43	-0.65	0.74	1.34	-0.05	-1.09	-1.17	-0.825	-0.35	0.255	0.853449	0.13395	0.908139	0.989223	0.997988	0.995907		
EF4B_08B009_5497v1	EF4B_08B8	-0.09	-0.86	-0.66	-0.36	-0.86	-0.08	-0.36	-0.86	-0.08	-0.36	-0.86	-0.08	-0.36	-0.86	-0.08	-0.09	-0.86	-0.66	-0.36	0.207123	0.137951	0.907234	0.989223	0.997988	0.995907	
EF4B_08B009_5497v2	EF4B_08B8	-1.12	-0.6	0.74	0.01	-1.62	-0.5	-4.02	0.02	-0.08	-0.29	-0.11	-0.42	-0.4	-1.44	-1.96	-0.17	-0.425	-0.08	-0.915	0.266342	0.137951	0.907234	0.989223	0.997988	0.995907	
EF4B_08B009_5498v1	EF4B_08B8	-0.51	-0.07	-0.15	-0.27	-1.32	-0.18	-1.29	-0.8	1.76	-0.06	-1.6	-0.22	0.15	-1.71	-0.49	-0.39	-1.2875	0.0365	-0.665	0.103122	0.137951	0.907234	0.989223	0.997988	0.995907	
EF4B_08B009_5500v1	EF4B_08B8	-0.25	-0.16	-0.22	-0.1	-0.8	-0.2	-0.8	-0.2	-0.8	-0.2	-0.8	-0.2	-0.8	-0.2	-0.8	-0.25	-0.16	-0.22	-0.16	0.395	0.78048	0.09456	0.989223	0.997988	0.995907	
EF4B_08B009_5500v2	EF4B_08B8	-0.42	-0.03	-0.19	-0.24	-0.93	0.28	-1.22	-0.88	1.43	-0.32	-1.65	-0.25	0.53	-1.56	-0.44	-0.42	-0.73	0.1025	-0.35	0.56334	0.19685	0.969622	0.989223	0.997988	0.995907	
EF4B_08B009_5531v1	EF4B_08B8	-2.84	-1.54	-1.9	-2.36	-0.65	-2.92	-1.13	-2.58	-2.56	-2.1	-1.23	-2.39	-1.78	-2.06	-2.6	-2.21	-4.675	0.0225	-0.225	0.41626	0.154988	0.804805	0.989223	0.997988	0.995907	
EF4B_08B009_7420v1	EF4B_08B8	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	0.4475	0.394388	0.051585	0.989223	0.997988	0.995907	
EF4B_08B009_7211v1	EF4B_08B8	-1.22	-1.88	0.01	-0.14	-1.58	-1.3	-0.67	-0.36	-1.17	-2.68	-1.45	-0.82	-0.67	-0.4	-1.33	-0.7	0.6425	0.4875	0.716308	0.191072	0.983839	0.933739	0.997988	0.997988	0.9971	
EF4E2_MDC00W_53v1	EF4E2_M0H	1.48	1.06	0.54	0.9	0.03	1.56	0.51	1.26	1.43	0.97	1.39	0.97	1.92	1.13	0.82	0.32	0.06	0.075	0.1	0.84642	0.409442	0.495905	0.989223	0.997988	0.995907	
EF4E2M1_G0E5T3_5339v1	EF4E2M1_C	-1.43	-1.22	-0.18	-1.99	-0.98	-1.06	-1.2	-1.78	-1.58	-0.52	0.63	-1.01	-0.28	-1.12	-1.35	-0.41	0.195	0.025	0.02024	0.141098	0.551819	0.989223	0.997988	0.995907		
EF4E2M1_G0E5T3_5562v1	EF4E2M1_C	0.36	0.56	1.33	-0.66	-0.07	0.89	-1.84	-0.91	1.06	-0.5	-1.28	-2.35	0.37	0.74	-1.49	-0.27	-0.645	0.495	0.0925	0.49849	0.841554	0.795337	0.997988	0.997988	0.994666	
EF4E2M1_G0E5T3_5571v1	EF4E2M1_C	-1.11	-0.67	-0.01	-0.48	-0.8	-1.53	-0.77	-0.71	-1.23	-0.9	0.56	-1.06	-0.28	-0.42	-0.53	-0.3	0.065	-0.22	0.385	0.38952	0.137951	0.907234	0.989223	0.997988	0.995907	
EF4E2M1_G0E5T3_5602v1	EF4E2M1_C	-2.25	-1.98	-2.08	-2.46	-1.28	-2.66	-2.44	-2.24	-1.87	-1.69	-1.97	-1	-0	-0.52	-1.57	-2.25	-0.385	0.135	0.185	0.17016	0.851004	0.103477	0.996449	0.997988	0.994666	
EF4E1_E9PV6C_51449v1	EF4E1_E9P	-0.84	-1.86	0.42	0.62	-1.08	-0.9	-0.16	-0.82	-2.16	-1.14	-1	0.45	-1.35	-2.74	-2.21	-0.16	-0.065	0.5625	0.095	0.08979	0.986269	0.72165	0.995907	0.997988	0.995907	
EF4E1_E9PV6C_515144v1	EF4E1_E9P	-0.64	-0.46	-1.34	-1.71	-0.08	0.77	-1.75	-1.56	0.31	0.29	-1.15	-1.25	0.09	-0.41	-1.13	-1.51	0.085	-0.0475	-0.095	0.08979	0.986269	0.72165	0.995907	0.997988	0.995907	
EF4E1_E9PV6C_515184v1	EF4E1_E9P	-0.32	-0.22	-0.15	-0.75	-1.58	-0.59	-0.46	-1.36	-0.45	-0.32	-0.49	-0.83	-0.05	-0.15	-0.27	-0.215	0.2175	-0.0725	0.42467	0.087159	0.777144	0.989223	0.997988	0.995907		
EF4E1_E9PV6C_515505v1	EF4E1_E9P	-1.82	-2.3	-2.27	-3.2	-2.89	-1.81	-1.5	-2.3	2.17	-2.17	-2.02	-2.2	1.11	-2.12	1.11	-2.57	-4.495	-0.37	-0.225	0.07372	0.744877	0.16419	0.989223	0.997988	0.994666	
EF4E1_E9PV6C_71166v1	EF4E1_E9P	-1.47	-2.35	-1.76	-2.79	-1.86	-2.14	-3.01	-2.77	-2.83	-2.04	-1.21	-2.03	-1.91	-2.65	-2.22	-0.31	0.3025	1.4375	1.81	0.375494	0.373688	0.880231	0.989223	0.997988	0.994666	
EF4E1_E9PV6C_71650v1	EF4E1_E9P	0.02	0.49	-0.27	-0.25	-0.47	-1.76	0.3	-0.86	-0.05	-1.05	-0.94	0.23	-1.39	-0.11	0.6	-0.325	0.655	0.55	0.57605	0.656564	0.99358	0.989223	0.997988	0.995907		
EF4E1_E9PV6C_71670v1	EF4E1_E9P	-1.1	-0.72	-0.43	0.51	-0.83	-1.22	-0.06	0.63	-0.2	-0.41	0.53	-0.29	0.43	-0.92	0.92	-0.27	0.005	0.285	0.07931	0.558092	0.155278	0.989223	0.997988	0.994666		
EF4E1_F7C8P1_7469v1	EF4E1_F7C	-0.82	-0.26	0.73	-0.87	-0.18	-0.98	-0.63	-1.08	-1.3	-0.62	-1.03	-1.24	0.75	-0.68	-0.44	-0.52	0.345	0.775	0.91	0.77549	0.986085	0.811885	0.996449	0.997988	0.995907	
EF4E1_Z4YV4C_5237v1	EF4E1_Z4Y	-0.28	-0.18	-0.28	-0.18	-0.28	-0.18	-0.28	-0.18	-0.28	-0.18	-0.28	-0.18	-0.28	-0.18	-0.28	-0.28	-0.18	-0.28	-0.18	0.09372	0.24	0.76019	0.989223	0.997988	0.995907	
EF4E1_Z4YV4C_5274v1	EF4E1_Z4Y	-1.58	-1.28	-1.17	-1.29	-1.22	-1.03	-1.43	-1.63	-1.62	-1.06	-1.07	-1.44	-0.9	-0.73	-1.86	-1.71	-0.05	0.1025	-0.185	0.98268	0.448815	0.894261	0.989223	0.997988	0.995907	
EF4E1_Z4YV4C_5288v1	EF4E1_Z4Y	-0.56	-0.66	0.54	-0.87	-0.32	-0.9	-0.66	-0.37	-0.39	-0.29	-1.15	-0.32	-1.32	-0.7	-0.2	0.0325	0.31	0.42291	0.904285	0.131708	0.996449	0.997988	0.994666	0.995907		
EF4E1_Z4YV4C_5479v1	EF4E1_Z4Y	-1.81	-1.49	-1.81	-1.49	-1.81	-1.49	-1.81	-1.49	-1.81	-1.49	-1.81	-1.49	-1.81	-1.49	-1.81	-1.81	-1.49	-1.81	-1.49	0.235	0.750238	0.080201	0.6912	0.989223	0.997988	0.994666
EF4E1_Z4YV4C_5479v2	EF4E1_Z4Y	-3.69	-2.72	-2.92	-4.85	-2.09	-4.67	-3.55	-4.41	-4.84	-2.73	-1.3	-3.85	-1.95	-2.57	-3.5	-3.02	-0.6225	0.1125	0.3525	0.70833	0.849577	0.467176	0.996449	0.997988	0.994666	
EF5B_05D054_5137v1	EF5B_05D5	-0.04	0.46	1.1	0.08	0.02	-0.88	0.46	0.61	-0.43	0	0.89	0.18	-1.22	-0.42	0.41	0.65	-0.1275	0.9795	0.7925	0.49004	0.389373	0.132395	0.989223	0.997988	0.994666	
EF5B_05D054_5137v2	EF5B_05D5	-0.04	0.46	1.1	0.08	0.02	-0.88	0.46	0.61	-0.43	0	0.89	0.18	-1.22	-0.42	0.41	0.65	-0.1275	-0.24	-0.335	0.49004	0.389373	0.132395	0.989223	0.997988	0.994666	
EF5B_05D054_5160v1	EF5B_05D5	3.12	1.2	1.05	1.08	1.08	0.84	0.79	2.62	1.55	0.42	1.41	1.66	0.92	1.38	1.02	0.135	0.135	0.135	0.72899	0.807838	0.140402	0.99187	0.989223	0.997988	0.994666	
EF5B_05D1A1_493v1	EF5B_05D1A1	-4.92	-6.93	-4.55	-11.3	-7.48	-5.77	-4.12	-3.91	-2	-4.29	-3.72	-4.23	-0.15	-3.3	-2.65	-0.45	-0.01	-1.395	0.045319	0.531662	0.034207	0.989223	0.997988	0.995907	0.994666	
EF5B_05D1A1_5139v1	EF5B_05D1A1	-2.02	-1.55	-1.58	-2.02	-1.59	-1.55	-1.99	-1.03	-2.25	-1.35	-2.62	0.39	-2.65	-1.72	-2.55	-1.625	0.2025	0.3625	0.76027	0.396464	0.154105	0.989223	0.997988	0.997988	0.9971	
EF5B_05D1A1_5221v1	EF5B_05D1A1	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	
EF5B_05D1A1_5386v1	EF5B_05D1A1	0.01	0.47	-0.33	-0.35	-0.22	-0.05	-0.41	-0.28	0.11	-0.08	-0.24	-0.5	0.52	0.27	-0.28	0.11	0.14	-0.045	0.482724	0.377497	0.176093	0.996449	0.997988	0.997988	0.995907	
EF5B_05D1A1_5397v1	EF5B_05D1A1	0.52	0.77	-0.37	0.15	0.14	1.16	0.31	0.11	0.22	0.46	0.35	1.15	0.55	0.79	0.69	0.085	0.27	0.085	0.27	0.085	0.27	0.085	0.27	0.085	0.27	
EF5B_05D1A1_5397v2	EF5B_05D1A1	-0.18	-0.38	-1.58	-0.38	-1.58	-0.38	-1.58	-0.38	-1.58	-0.38	-1.58	-0.38	-1.58	-0.38	-1.58	-0.38	-1.58	-0.38	-1.58	-0.38	-1.58	-0.38	-1.58	-0.38	-1.58	
EF5B_05D1A1_5451v1	EF5B_05D1A1	0.51	-0.08	-0.84	-0.2	0.87																					

Ercb1_E9045_S680s_1	Ercb1_E9045_S680s_1	1.69	0.4	1.72	-0.1	1.3	0.42	1.72	1.3	-0.12	0.38	1.94	1.51	-0.34	0.7	1.53	1.63	0.6255	0.035	-0.01259693	0.42494	0.280011	0.923298	0.97988	0.99466	
Ercb1_E9045_S680s_1	Ercb1_E9045_S680s_1	0.84	-0.48	-1.16	1.64	-1.05	-0.22	0.5	0.14	-0.68	-1.03	-0.41	-0.77	0.98	0.75	0.26	0.375	-0.065	-0.0625	0.79169	0.75406	0.93148	0.95762	0.97988	0.99507	
Ercb2_O9930_S121s_1	Ercb2_O9930_S121s_1	-1.87	-1.59	-1.45	-1.89	-1.22	-0.88	-3.31	2.73	0.54	1.82	-1.57	-2.85	4.09	-1.81	-1.38	-2.15	-1.625	-0.675	-0.145	0.98743	0.13134	0.91405	0.98223	0.97988	1
Ercb2_O9930_S1012s_1	Ercb2_O9930_S1012s_1	0.85	-0.18	-0.27	-0.61	-0.18	-0.12	-0.18	-0.12	-0.18	-0.12	-0.18	-0.12	-0.18	-0.12	-0.18	-0.12	-0.18	-0.12	-0.18	-0.12	0.91316	0.91316	0.91316	0.91316	
Ercb2p_O9930_S121s_1	Ercb2p_O9930_S121s_1	-2.26	0.54	-2.06	-1.77	-1.22	-0.37	-2.41	1.53	-2.54	-2.8	-0.7	-2.4	-1.3	-1.61	-2.58	-2.02	-0.69	-0.41	-0.735	0.30434	0.62441	0.43261	0.98223	0.97988	0.95129
Ercb2p_O9930_S121s_1	Ercb2p_O9930_S121s_1	0.69	0.41	1.66	0.75	1.47	0.23	1.18	2.23	1.9	0.52	0.66	1.13	1.74	2.36	3.65	0.74	0.225	-0.025	0.95879	0.80409	0.72009	0.95762	0.97988	0.99466	
Ercb2p_O9930_S121s_1	Ercb2p_O9930_S121s_1	0.17	0.09	0.17	0.09	0.17	0.09	0.17	0.09	0.17	0.09	0.17	0.09	0.17	0.09	0.17	0.09	0.17	0.09	0.17	0.09	0.17	0.09	0.17	0.09	
Ercb2p_O9930_S121s_1	Ercb2p_O9930_S121s_1	0.89	0.53	0.71	0.83	-0.02	0.23	0.33	0.41	0.45	0.03	0.72	0.23	0.39	0.05	0.71	0.53	0.33	-0.215	-0.565	0.709	0.05562	0.28834	0.97988	0.99466	
Ercb2p_O9930_S121s_1	Ercb2p_O9930_S121s_1	0.18	0.51	0.76	0.6	0.53	0.09	0.13	0.28	0	0.29	0.88	0.43	0.31	0.27	0.06	1.8	-0.425	-0.129	0.2	0.26424	0.17133	0.48026	0.97988	0.99466	
Ercb2p_O9930_S121s_1	Ercb2p_O9930_S121s_1	0.61	0.47	0.35	0.34	0.82	-0.24	0.27	0.08	0.19	0.65	-1.64	-0.05	0.14	0.48	-0.52	0.17	0.44	-0.1125	-0.3375	0.58499	0.93726	0.99187	0.97988	0.99466	
Ercb2p_O9930_S121s_1	Ercb2p_O9930_S121s_1	0.31	1.09	1.34	1.09	0.31	1.09	1.34	1.09	0.31	1.09	1.34	1.09	0.31	1.09	1.34	1.09	0.31	1.09	0.31	1.09	1.34	1.09	0.31	1.09	
Ercb2p_O9930_S121s_1	Ercb2p_O9930_S121s_1	-1.56	-0.42	-1.05	-1.07	-0.69	-1.07	-0.69	-1.07	-0.69	-1.07	-0.69	-1.07	-0.69	-1.07	-0.69	-1.07	-0.69	-1.07	-0.69	-1.07	-0.69	-1.07	-0.69	-1.07	
Ercb2p_O9930_S121s_1	Ercb2p_O9930_S121s_1	0.14	0.32	0.35	-0.01	0.40	0.89	-0.47	0.14	0.23	0.35	0.18	0.24	0.17	0.44	-0.17	0.44	-0.17	0.44	-0.17	0.44	-0.17	0.44	-0.17	0.44	
Ercb2p_O9930_S121s_1	Ercb2p_O9930_S121s_1	1.57	1.73	1.57	1.38	1.77	1.33	1.77	1.33	1.77	1.33	1.77	1.33	1.77	1.33	1.77	1.33	1.77	1.33	1.77	1.33	1.77	1.33	1.77	1.33	
Ercb2p_O9930_S121s_1	Ercb2p_O9930_S121s_1	-1.77	-2.64	-1.77	-3.39	-2.8	-1.55	-2.51	-1.8	-0.97	-1.71	-1.18	-1.41	-0.2	-2.86	-1.78	-1.51	-1.25	1.0625	0.7925	0.2163	0.64175	0.20497	0.98223	0	

Farp1_F8RWU_5477r_1	Farp1_F8RWU_5477r_1	0.55	-0.07	0.58	0.28	0.79	0.29	0.42	-0.02	0.08	-0.08	-0.18	-0.18	0.19	-0.4	-0.09	-0.0325	-0.33	-0.5375	0.6089	0.314347	0.702219	0.898223	0.997988	0.991259	
Farp1_F8RWU_5879r_1	Farp1_F8RWU_5879r_1	0.58	-0.05	0.68	0.22	0.62	0.24	0.58	-0.08	0.08	-0.08	-0.08	-0.08	0.08	0.329	-0.15	-0.1325	-0.15	-0.15	0.70014	0.642786	0.434747	0.939434	0.997988	0.991259	
Farp1_F8RWU_5880r_1	Farp1_F8RWU_5880r_1	-0.5	-0.37	-0.65	-0.45	-0.3	-0.35	-0.33	-0.51	-0.62	-0.45	-0.4	-0.03	0.19	0.34	0.32	-0.15	0.1975	-0.3575	-0.16079	0.551759	0.281043	0.898223	0.997988	0.991259	
Farp1_F8RWU_724r_1	Farp1_F8RWU_724r_1	0.67	-0.49	-0.2	0.26	0.21	0.52	0.78	0.57	-0.29	-0.44	-0.17	0.41	0.75	0.38	-0.09	-0.28	0.12	0.3175	0.42126	0.158884	0.919004	0.898223	0.997988	0.991259	
Farp_F8RWU_5337r_1	Farp_F8RWU_5337r_1	-0.01	-0.49	-0.01	-0.89	-0.07	-0.16	-0.08	-0.24	-0.59	-0.34	-0.07	-0.14	0.01	0.1	-0.05	-0.14	0.01	0.6205	0.70044	0.434747	0.939434	0.997988	0.991259		
Farp1_F224Z4_1133r_1	Farp1_F224Z4_1133r_1	-0.06	0.38	-0.69	-0.24	0.32	-0.65	0.44	-0.31	-0.47	0.6	-0.37	-0.64	-0.85	0.03	-0.51	-0.01	-0.205	0.1775	1.777E-16	0.242804	0.76667	0.959762	0.997988	0.991259	
Farp1_F090Z1_547r_1	Farp1_F090Z1_547r_1	0.79	0.88	1.22	1.13	-0.36	1.02	0.54	0.63	1.45	0.57	-0.26	1.01	2.2	-0.52	0.62	0.1025	-0.3675	-0.4325	0.600168	0.115002	0.422318	0.898223	0.997988	0.991259	
Farp1_F02CVZ_740r_1	Farp1_F02CVZ_740r_1	2.66	2.38	2.68	1.63	2.54	2.35	2.4	2.68	0.25	2.49	0.08	3.06	0.4	0.09	2.94	2.82	-0.475	-0.1325	-0.28	0.29432	0.593036	0.248057	0.898223	0.997988	0.991259
Farp1_F06VWU_545r_1	Farp1_F06VWU_545r_1	0.23	0.66	0.23	1.60	0.23	0.66	0.23	1.60	0.23	0.66	0.23	0.66	0.23	0.66	0.23	0.66	0.23	0.66	0.23	0.66	0.23	0.66	0.23	0.66	
Farp1_F04VWU_744r_1	Farp1_F04VWU_744r_1	0.23	0.19	1.68	1.77	0.45	-0.36	1.55	0.89	-0.24	0.32	0.73	0.03	-0.11	0.68	1.18	0.8	-0.335	-0.7375	-0.31	0.505386	0.537567	0.128058	0.898223	0.997988	0.991259
Farp1_F04Z0Z_1535r_1	Farp1_F04Z0Z_1535r_1	-0.02	0.5	0.16	-0.62	-1.63	-0.11	-0.94	-1.05	1.77	0.03	0.16	-0.47	1.38	-0.15	0.38	-0.23	-0.335	-0.7375	-0.31	0.444409	0.804704	0.29504	0.898223	0.997988	0.991259
Farp1_Q8B1L1_5379r_1	Farp1_Q8B1L1_5379r_1	-0.14	-0.08	-0.14	-0.08	-0.14	-0.08	-0.14	-0.08	-0.14	-0.08	-0.14	-0.08	-0.14	-0.08	-0.14	-0.08	-0.14	-0.08	-0.14	0.20023	0.841744	0.12649	0.959449	0.997988	0.991259
Farp1_F03B0Z_08r_1	Farp1_F03B0Z_08r_1	-0.14	-0.18	-0.06	-0.69	-0.02	-0.13	0.24	-0.71	-0.87	-0.46	-0.96	-0.4	0.13	0.09	-0.42	-0.13	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_533r_2	Farp1_Q3T0F0_533r_2	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_1	Farp1_Q3T0F0_737r_1	0.13	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_2	Farp1_Q3T0F0_737r_2	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_3	Farp1_Q3T0F0_737r_3	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_4	Farp1_Q3T0F0_737r_4	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_5	Farp1_Q3T0F0_737r_5	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_6	Farp1_Q3T0F0_737r_6	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_7	Farp1_Q3T0F0_737r_7	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_8	Farp1_Q3T0F0_737r_8	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_9	Farp1_Q3T0F0_737r_9	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_10	Farp1_Q3T0F0_737r_10	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_11	Farp1_Q3T0F0_737r_11	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_12	Farp1_Q3T0F0_737r_12	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_13	Farp1_Q3T0F0_737r_13	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_14	Farp1_Q3T0F0_737r_14	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_15	Farp1_Q3T0F0_737r_15	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_16	Farp1_Q3T0F0_737r_16	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_17	Farp1_Q3T0F0_737r_17	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_18	Farp1_Q3T0F0_737r_18	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_19	Farp1_Q3T0F0_737r_19	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_20	Farp1_Q3T0F0_737r_20	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_21	Farp1_Q3T0F0_737r_21	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_22	Farp1_Q3T0F0_737r_22	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_23	Farp1_Q3T0F0_737r_23	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_24	Farp1_Q3T0F0_737r_24	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_25	Farp1_Q3T0F0_737r_25	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_26	Farp1_Q3T0F0_737r_26	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_27	Farp1_Q3T0F0_737r_27	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_28	Farp1_Q3T0F0_737r_28	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0.68	0.98	-0.11	-0.91	0.08	-0.155	-0.435	0.02239	0.845744	0.62669	0.94949	0.997988	0.991259
Farp1_Q3T0F0_737r_29	Farp1_Q3T0F0_737r_29	0.02	-0.11	-0.86	-0.21	-1.13	0.33	-0.32	-0.06	-0.12	0.45	1.04	0.85	-0												

gpcnet_A261, 51185.1	gpcnet_A, 0.24	0.31	-0.26	-0.83	2	0.31	-1.64	-0.58	1.09	-0.96	-0.09	0.02	0.39	-1.93	-0.19	-0.41	-0.6875	0.305	-0.245	-0.0249	0.20535	0.55763	0.98923	0.99823	0.99529
gpcnet_A261, 51186.1	gpcnet_A, 0.07	1.01	0.06	-0.14	1.41	0.42	1.7	0.56	1.76	-0.38	-1.27	-0.62	2.57	1.97	-0.09	-1.19	-0.6875	0.305	-0.245	0.06292	0.50595	0.51881	0.98923	0.99823	0.99529
gpcnet_A261, 51187.1	gpcnet_A, 0.38	0.08	0.38	0.08	-0.12	-0.27	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.6875	0.305	-0.245	0.04042	0.18321	0.04059	0.98923	0.99823	0.99529
gpcnet_A261, 51735.1	gpcnet_A, 0.41	0.34	-0.14	-0.25	-0.76	-0.29	-0.61	0.03	0.3	-0.39	0.32	0.3	0.82	0.23	0.16	-0.61	-1.225	-0.675	-0.28	0.8134	0.09793	0.3748	0.98923	0.99823	0.99529
gpcnet_A261, 51736.1	gpcnet_A, 0.52	0.4	0.45	0.75	-0.64	-0.13	0.39	0.12	-0.59	-0.4	-0.38	0.86	0.54	-0.31	0.25	0.65	-0.4975	-0.26	0.40207	0.051708	0.12747	0.98923	0.99823	0.99529	
gpcnet_A261, 51737.1	gpcnet_A, 1.52	0.72	0.12	0.22	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.6875	0.305	-0.245	0.04042	0.18321	0.04059	0.98923	0.99823	0.99529
gpcnet_A261, 51738.1	gpcnet_A, 0.46	-1.99	-0.94	-0.62	-1.94	-1.2	-0.61	-0.25	-1.02	-1.72	-0.29	-0.78	-0.44	-2.44	-0.37	-0.68	-0.1175	-0.865	-0.9925	-0.0546	0.99573	0.13768	0.99616	0.99823	0.99529
gpcnet_A261, 51739.1	gpcnet_A, 1.58	0.94	0.91	0.07	-1.04	1.44	-0.36	-0.28	1.98	0.63	-0.05	0.55	2.3	-0.72	0.53	-0.025	0.195	-0.04	0.32948	0.08851	0.87002	0.98923	0.99823	0.99529	0.99529
gpcnet_A261, 51740.1	gpcnet_A, 0.01	0.04	0.12	0.04	0.22	0.3	-0.27	-0.1	1.39	-0.18	-0.12	-0.12	1.41	-1.83	0.38	-0.1	-1.16	-0.475	-0.74747	0.072136	0.15478	0.1198	0.98923	0.99823	0.99529
gpcnet_A261, 51741.1	gpcnet_A, 0.81	0.46	0.8	0.46	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	-0.6875	0.305	-0.245	0.04042	0.18321	0.04059	0.98923	0.99823	0.99529
gpcnet_A261, 51742.1	gpcnet_A, 0.01	0.97	0.06	-0.06	-0.75	-0.86	-0.21	-0.81	-0.08	0.93	-0.64	-1.09	-0.69	0.44	1.09	-0.075	-0.04	-0.27	0.537575	0.07775	0.23249	0.98923	0.99823	0.99529	0.99529
gpcnet_A261, 51743.1	gpcnet_A, 0.27	0.54	0.19	0.28	0.12	0.28	0.12	0.28	0.12	0.28	0.12	0.28	0.12	0.28	0.12	0.28	-0.6875	0.305	-0.245	0.04042	0.18321	0.04059	0.98923	0.99823	0.99529
gpcnet_A261, 51744.1	gpcnet_A, 0.97	0.32	0.82	0.01	-0.01	0.69	-0.68	1.36	-0.65	1.11	-0.56	0.83	-0.53	0.22	0.89	0.03	-0.07	-0.1825	-0.24679	0.36028	0.15671	0.95493	0.98923	0.99823	0.99529
gpcnet_A261, 51745.1	gpcnet_A, 0.26	-1.41	-0.9	-0.69	-1.15	0.4	0.27	-0.38	0.08	0.2	-0.02	-0.41	0.73	0.32	0.32	-0.55	-0.0425	-0.695	-0.45	0.04992	0.19309	0.04755	0.98923	0.99823	0.99529
gpcnet_A261, 51746.1	gpcnet_A, 0.72	0.17	0.07	-0.07	0.39	1.01	-1.44	-1.22	-0.3	0.89	-0.38	-0.18	-0.38	-0.18	-0.38	-0.18	-0.6875	0.305	-0.245	0.04042	0.18321	0.0			

[illegible]

lqnet1_Q88052_S179r_1	lqnet1_Q88	0.02	0.06	0.21	-0.24	0.39	-0.04	0.09	0.06	-0.97	0.06	-1.03	0.04	0.99	-0.8	0.32	-0.07	1.8625	1.3575	1.8525	0.084915	0.610809	0.173047	0.988223	0.997988	0.994666
lqnet1_Q88052_S179r_1	lqnet1_Q89	0.25	0.09	0.09	0.02	0.01	0.23	0.07	0.01	0.01	0.01	0.11	0.12	0.01	0.11	0.12	0.01	-0.5375	0.83025	0.712326	0.140917	0.999347	0.997988	0.997988	0.999071	
lqnet1_Q88052_S179r_1	lqnet1_Q90	0.87	0.59	0.61	0.38	0.02	0.02	0.21	0.72	0.57	0.89	0.2	0.44	0.86	1.66	0.16	0.08	-0.03	0.08	-0.2	0.06	0.90902	0.997988	0.997988	0.999071	
lqnet1_Q88052_S179r_1	lqnet1_Q91	1	0.42	0.45	-0.14	0.18	0.71	-0.21	0.21	1.15	0.34	0.92	0.25	2.69	0.38	0.63	0.08	-1.16	-0.0875	0.05	0.389837	0.254231	0.262005	0.988223	0.997988	0.994666
lqnet1_Q88052_S179r_1	lqnet1_Q92	0.16	0.06	0.19	0.19	0.15	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
lqnet1_Q88052_S179r_1	lqnet1_Q93	0.57	1.17	1.18	-0.01	0.04	-0.13	0.12	0.25	-0.3	0.09	-0.03	0.59	0.08	0.41	0.2	0.7	0.095	-0.2275	-0.3125	0.766886	0.387668	0.446317	0.988223	0.997988	0.997988
lqnet1_Q88052_S179r_1	lqnet1_Q94	-2.88	-1.63	-1.72	-3.16	-0.87	-2.78	-1.41	-2.75	-3.16	-2.38	-1.67	-0.78	-0.7	-1.99	-1.99	-1.99	-0.7275	-0.355	-1.135	0.766886	0.486767	0.506188	0.988223	0.997988	0.994666
lqnet1_Q88052_S179r_1	lqnet1_Q95	-0.17	-0.08	-0.38	-0.05	-0.09	-0.37	-0.1	0.27	-0.33	0.29	0.26	-0.35	0.29	0.37	0.07	0.1	0.395	0.455	0.8825	0.48302	0.75481	0.74834	0.959762	0.997988	0.995259
lqnet1_Q88052_S179r_1	lqnet1_Q96	-1.13	-0.27	-0.18	-0.55	-0.01	-0.67	0.01	0.27	0.01	-0.13	0.34	-1.83	0.94	-1.83	0.94	-1.83	-0.445	-0.2275	-0.445	0.2275	0.2275	0.2275	0.988223	0.997988	0.995259
lqnet1_Q88052_S179r_1	lqnet1_Q97	-1.42	-2	-1.8	-2.87	-0.51	-1.16	-1.94	-1.74	-2.36	-2.49	0.29	-2.03	-1.24	-3.7	-2.96	-3.26	0.25	0.485	0.7225	0.932679	0.129384	0.552468	0.988223	0.997988	0.995259
lqnet1_Q88052_S179r_1	lqnet1_Q98	0.52	1.02	0.17	-0.18	1.15	0.71	0.39	-0.17	0.38	0.78	-0.75	-0.01	0.42	1.2	0.5	0.24	0.685	0.39	0.065	0.02089	0.712654	0.485712	0.993437	0.997988	0.995077
lqnet1_Q88052_S179r_1	lqnet1_Q99	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	
lqnet1_Q88052_S179r_1	lqnet1_Q100	0.54	-0.01	0.79	0.34	-2.79	-0.53	0.06	0.24	0.47	-0.48	0.46	0.39	1.45	0.14	0.32	0.64	0.1775	-0.065	0.24	0.40024	0.171281	0.571603	0.988223	0.997988	0.994666
lqnet1_Q88052_S179r_1	lqnet1_Q101	0.06	-0.41	-0.74	-0.95	-0.38	0.04	-0.83	-0.08	-0.16	-0.2	-1.15	-1.08	0.78	-0.53	-0.41	-0.61	-0.165	-0.425	0.435555	0.933435	0.70837	0.959662	0.997988	0.994666	
lqnet1_Q88052_S179r_1	lqnet1_Q102	0.48	0.7	0.67	0.48	0.7	0.67	0.48	0.7	0.67	0.48	0.7	0.67	0.48	0.7	0.67	0.48	0.7	0.67	0.48	0.7	0.67	0.48	0.7	0.67	
lqnet1_Q88052_S179r_1	lqnet1_Q103	0.46	1.2	1.47	-0.05	0.59	0.21	0.08	0.37	0.84	-1.69	-0.52	-0.14	0.8	0.68	0.14	0.02	-0.28	-0.3825	0.428488	0.375719	0.988574	0.959762	0.997988	0.994666	
lqnet1_Q88052_S179r_1	lqnet1_Q104	0.69	0.56	0.97	0.62	1.03	0.53	0.97	0.73	0.41	0.58	-1.07	0.8	-1.08	-0.45	0.17	0.57	-0.165	0.088	0.44	0.08464	0.64229	0.16103	0.9903	0.997988	0.994666
lqnet1_Q88052_S179r_1	lqnet1_Q105	1.01	0.61	0.61	0.52	0.67	1.08	0.47	0.34	0.52	0.44	0.37	0.08	0.07	0.105	0.75	0.445	0.355555	0.650818	0.43476	0.96954	0.997988	0.994666			
lqnet1_Q88052_S179r_1	lqnet1_Q106	0.21	0.83	-0.09	-0.8	0.83	0.15	0	-0.36	-0.56	0.32	-0.09	-0.29	-0.69	0.19	-0.46	-0.15	0.1195	-0.1975	-0.3	0.33961	0.771116	0.62166	0.959762	0.997988	0.994666
lqnet1_Q88052_S179r_1	lqnet1_Q107	0.64	0.09	0.46	-1.53	-0.14	0.9	-1.15	-0.65	2.23	-1.58	-0.65	2.23	-1.58	-0.65	-0.15	0.65	-0.15	0.65	0.15	0.65	0.15	0.65	0.15	0.65	
lqnet1_Q88052_S179r_1	lqnet1_Q108	-1.76	-2.61	-4.01	-1.01	-1.67	-2.42	-2.08	-1.61	-2.42	-1.79	-3.2	-3.92	-1.48	-4.03	-3.94	-4.03	-0.175	0.0475	0.1275	0.0475	0.1275	0.0475	0.1275	0.0475	
lqnet1_Q88052_S179r_1	lqnet1_Q109	0.51	0.68	0.81	1.36	-0.05	0.2	0.13	0.58	0.46	0.55	1.21	0.27	0.57	0.93	0.62	0.48	0.05	-0.0025	-0.0025	0.544675	0.971456	0.988223	0.997988	0.995159	
lqnet1_Q88052_S179r_1	lqnet1_Q110	4.06	1.74	1.67	1.58	2.32	4.35	2.72	1.22	0.35	3.59	0.56	1.85	0.51	0.59	1.73	2.09	-0.225	0.0325	0.11	0.0325	0.445388	0.647821	0.988223	0.997988	0.994666
lqnet1_Q88052_S179r_1	lqnet1_Q111	2.38	2.07	2.32	1.5	1.46	1.88	1.82	1.29	2.76	2.23	2.38	0.89	0.64	2.5	2.35	0.64	-0.425	-0.7825	0.35482	0.095143	0.103714	0.988223	0.997988	0.994666	
lqnet1_Q88052_S179r_1	lqnet1_Q112	0.75	0.2	0.45	0.39	0.32	0.91	-0.24	-0.09	0.26	0.43	-0.41	0.15	0.27	0.14	0.26	-0.445	-0.3	-0.465	0.120764	0.470505	0.231015	0.988223	0.997988	0.994666	
lqnet1_Q88052_S179r_1	lqnet1_Q113	0.35	1.3	0.66	0.7	0.83	0.1	-0.29	0.1	0.21	0.79	0.08	0.02	0.14	0.02	0.46	-0.81	-0.2225	-0.34	-0.4625	0.655118	0.102667	0.140573	0.988223	0.997988	0.995259
lqnet1_Q88052_S179r_1	lqnet1_Q114	0.09	-0.5	-0.16	-0.37	-0.69	-0.73	-0.68	-0.12	-0.87	-0.04	-0.03	2.18	-1.23	0.37	0.08	-0.5675	-0.4775	-0.145	0.57827	0.452188	0.13845	0.988223	0.997988	0.995259	
lqnet1_Q88052_S179r_1	lqnet1_Q115	0.8	1.43	0.22	-0.13	1.55	0.87	0.58	0.84	0.82	1.01	0.51	0.66	0.64	1.79	0.47	0.31	-0.26	-0.22	0.3575	0.07371	0.340317	0.645357	0.988223	0.997988	0.995259
lqnet1_Q88052_S179r_1	lqnet1_Q116	-0.21	0.57	0.72	0.46	-0.44	-0.07	0.82	-0.78	0.36	0.54	1.69	-0.32	0.33	1.88	1.66	1.19	0.38	0.17	0.2225	0.28335	0.21674	0.880545	0.988223	0.997988	0.994666
lqnet1_Q88052_S179r_1	lqnet1_Q117	1.23	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
lqnet1_Q88052_S179r_1	lqnet1_Q118	1	1.27	0.22	0.35	0.35	0.67	-0.05	0.27	0.24	0.54	0.66	-0.02	0.77	1.29	0.08	0.2	0.48	0.05	-0.125	0.88223	0.92194	0.988223	0.997988	0.995159	
lqnet1_Q88052_S179r_1	lqnet1_Q119	1.06	1.61	0.81	0.65	1.33	0.29	0.49	0.01	0.64	0.84	0.32	0.49	0.1	1.53	0.72	0.98	-0.345	-0.165	0.009094	0.147546	0.132773	0.988223	0.997988	0.995259	
lqnet1_Q88052_S179r_1	lqnet1_Q120	-0.89	-1.3	-0.27	-0.18	-0.55	0.01	-0.67	-0.01	-0.26	-0.01	-1.26	-0.34	-1.26	-0.34	-1.26	-0.34	-0.46	-0.2	0.60771	0.544071	0.544071	0.988223	0.997988	0.995259	
lqnet1_Q88052_S179r_1	lqnet1_Q121	-1.52	-0.68	-1.68	-1.77	-1.68	-2.4	-1.65	-0.03	0.18	1.2	-2.02	-0.95	0.29	-1.47	-1.5	-2.8	0.3475	0.9	-0.2275	0.183709	0.174907	0.402823	0.988223	0.997988	0.995259
lqnet1_Q88052_S179r_1	lqnet1_Q122	-4.2	-2.69	-1.04	-1.4	-3.86	-3.17	-1.59	-1.81	-2.32	-1.86	-0.46	-1.65	-1.2	-2.31	-0.87	-0.11	-0.5275	-0.45	0.2925	0.37838	0.840252	0.114082	0.959762	0.997988	0.994666
lqnet1_Q88052_S179r_1	lqnet1_Q123	-3.22	-2.51	-2.37	-1.12	-2.87	-5.48	-2.47	0.02	-2.94	-4.69	-0.63	-0.45	-1.4	-1.83	0.29	-2.42	-0.15	0.765	0.8	0.43648	0.220205	0.716607	0.988223	0.997988	0.994666
lqnet1_Q88052_S179r_1	lqnet1_Q124	-2.82	-2.01	-2.82	-2.01	-2.82	-2.01	-2.82	-2.01	-2.82	-2.01	-2.82	-2.01	-2.82	-2.01	-2.82	-2.01	-2.82	-2.01	-2.82	-2.01	-2.82	-2.01	-2.82	-2.01	
lqnet1_Q88052_S179r_1	lqnet1_Q125	-0.7	-2.7	-2.3	-2.87	-2.97	-2.8	-2.67	-2.76	-1.99	-1.85	-1.33	-2.39	-1.31	-3.25	-2.62	-1.11	-0.2025	0.2675	0.373	0.722806	0.79076	0.618895	0.959762	0.997988	0.997988
lqnet1_Q88052_S179r_1	lqnet1_Q126	-1.68	-2.7	-2.81	-3.73	-2.67	-2.83	-2.12	-2.25	-1.11	-2.43	-2.55	-1.4	-0.69	-2.12	-2.33	-0.65	0.86	0.3625	0.178297	0.370386	0.408183	0.988223	0.997988	0.994666	
lqnet1_Q88052_S179r_1	lqnet1_Q127	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46		
lqnet1_Q88052_S179r_1	lqnet1_Q128	-3.26	-2.33	-3.57	-0.34	-2.93	-7.21	-4.13	-3.91	-3.95	-0.59	-1.59	-4.48	-2.24	-3.28	-3.82	-3.82	-0.615	1.6425	1.2575	0.17841	0.543227	0.933594	0.988223	0.997988	0.994666
lqnet1_Q88052_S179r_1	lqnet1_Q129	-1.2	-0.78	-2.69	-2.55	-0.73	-2.74	-1.68	-2.66	-1.2	-2.22	-1.35	-3.32	-2.21	-0.77	-4.25	-3	0.6795	1.4	0.35808	0.141357	0.77861	0.988223	0.997988	0.994666	
lqnet1_Q88052_S179r_1	lqnet1_Q130	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46		
lqnet1_Q88052_S179r_1	lqnet1_Q131	-1.26	-1.4	-1.37	-1.7	-2.1	-0.66	-1.16	-0.81	-1.23	-0.89	-1.52	-1.73	-1.55	-0.46	-1.28	-2.85	-0.1575	-0.2025	0.703805	0.40587	0.988223	0.997988	0.994666		
lqnet1_Q88052_S179r_1	lqnet1_Q132	-0.69	-0.3	-0.81	-0.67	-0.48	-0	-0.99	-0.22	0.05	0.26	-1.45	-1.78	0.5	-0.58	-2.38	-1.52	-0.2975	-0.005	-0.1475						

Kma1522_0	0.16	0.58	1.15	0.01	0.69	0.48	1.11	0.6	0.79	0.6	1.28	0.48	1.66	1.91	1.37	1.43	-32.25	0.995	0.715	0.011009	0.82242	0.69689	0.93649	0.99788	0.99466	
Kma1522_0	0.78	1.32	0.38	-0.39	0.17	0.08	0.79	0	-0.7	-0.05	-0.36	0.02	-1.41	0.47	0.2	0.4	0.0525	0.12	0.925	0.26307	0.88172	1.74922	0.98221	0.99788	0.99466	
Kma1522_0	0.78	-1.32	0.71	-0.33	0.17	0.08	1.06	0.1	-0.7	-0.05	-0.29	-0.29	-1.41	0.47	0.2	0.4	0.0525	0.45	0.375	0.71744	1.14183	1.43487	1.89221	0.99788	0.99466	
Kma1522_0	0.78	-1.32	0.71	-0.33	0.17	0.08	1.06	0.1	-0.7	-0.05	-0.29	-0.29	-1.41	0.47	0.2	0.4	0.0525	0.12	0.925	0.26307	0.88172	1.74922	0.98221	0.99788	0.99466	
Kma1522_0	2.62	-4.44	-1.58	-2.94	-1	-1.67	-1.86	-1.86	-2.83	-2.88	-0.37	-2.29	-1.71	-1.07	-2.41	-1.81	0.4025	-0.9025	0.31	0.79282	0.23131	2.99511	1.89221	0.99788	0.99466	
Kma1522_0	0.66	0.77	0.11	0.23	1.01	1.42	0.58	0.29	0.77	0.22	0.21	0.91	0.3	1.53	0.09	0.03	1.2975	0.8025	1.14	0.92492	0.20081	0.65149	1.89221	0.99788	0.99466	
Kma1522_0	0.66	0.77	0.11	0.23	1.01	1.42	0.58	0.29	0.77	0.22	0.21	0.91	0.3	1.53	0.09	0.03	1.2975	0.8025	1.14	0.92492	0.20081	0.65149	1.89221	0.99788	0.99466	
Kma1522_0	0.59	0.32	0.72	0.57	0.22	1.35	0.06	0.05	1.66	0.7	0.16	0.46	2.1	0.07	0.28	0.6	0.62	1.605	0.485	0.46040	0.69618	0.57618	0.94989	0.99788	0.99466	
Kma1598_0	0.73	0.21	0.24	0.09	0.85	1.27	1.34	-0.29	1.13	1.28	1.1	0.02	1.57	0.01	-0.25	0.9	0.13	1.975	0.2125	0.84714	0.25797	1.31654	1.89221	0.99788	0.99466	
Kma1607_0	-5.03	-0.01	-4.75	-12.27	-1.08	-3.26	-3.44	-4.06	-2.48	-4.28	-1.31	-5.14	-1.5	-2.53	-0.59	-5.21	-0.62	0.555	-0.21	0.95541	0.24795	0.75983	0.98221	0.99788	0.99466	
Kma1607_0	0.58	0.13	0.54	0.38	0.1	0.06	0.62	0.05	0.2	0.06	0.05	0.2	0.06	0.05	0.2	0.06	0.05	0.2	0.06	0.05	0.2	0.06	0.05	0.2	0.06	0.05
Kma1607_0	1.12	1.14	1.17	1.02	0.8	1.05	0.64	0.99	1.26	1.22	0.79	0.59	0.32	1.08	0.84	0.85	0.195	-0.475	-0.3875	0.24154	0.23873	0.79705	0.98221	0.99788	0.99466	
Kma1607_0	1.97	0.25	-0.67	-1.40	1.38	2.94	0.19	0.22	0.96	0.99	0.56	-0.77	-0.75	1.56	-0.56	-0.56	-0.2425	-0.075	-0.34	0.90941	0.32605	0.584179	1.89221	0.99788	0.99466	
Kma1607_0	2.71	0.27	0.1	0.27	0.1	0.27	0.1	0.27	0.1	0.27	0.1	0.27	0.1	0.27	0.1	0.27	0.1	0.27	0.1	0.27	0.1	0.27	0.1	0.27	0.1	
Kma1607_0	-0.65	-1.08	-1.54	-1.55	-1.76	-1.19	-1.38	-1.56	0.17	-1.71	-0.67	-1.94	-0.9	-1.84	0.9375	1.3475	1.3425	0.9374	0.88631	0.63625	0.59169	1.89221	0.99788	0.99466		
Kma2020_0	0.2	0.68	1.46	1.91	1.23	0.18	1.33	1.79	0.58	0.33	1.36	0.91	0.42	1.12	1.71	1.04	0.975	0.56	0.675	0.92248	0.28487	0.39532	0.99466	0.99788		

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Map1_P14873_T5201_1	Map1_P1	-0.9	-0.46	-0.37	-1	-0.8	-0.2	-1.98	-0.83	-0.5	-0.19	-1.18	-0.07	0.32	-1.4	-1.27	-2.75	-0.0575	-0.335	-0.0402	-0.8858	-0.8546	-0.9023	-0.9788	-0.9888	-0.9978
Map1_P14873_T5201_1	Map1_P1	-0.73	-0.58	-0.42	-0.82	-0.3	-1.22	-0.11	-0.44	-0.81	-0.55	-0.21	-0.77	-0.6	-0.18	1.25	-0.86	0.12	-0.025	-0.88	-0.7833	-0.6769	-0.5867	-0.9364	-0.9788	-0.9978
Map1_P14873_T5201_1	Map1_P1	-2.27	-1.22	-2.34	-1.29	-2.46	-1.02	-2.99	-1.58	-1.12	-1.86	-1.19	-2.42	-1.31	-1.12	-1.42	-1.05	-0.2675	0.1325	-0.48	-0.3748	-0.46128	-0.7741	-0.9023	-0.9788	-0.9978
Map1_P14873_T5201_1	Map1_P1	-0.48	-0.12	-1.12	-0.82	-0.48	-0.22	-0.94	-0.12	-0.22	-0.36	-0.12	-0.36	-0.12	-0.36	0.47	-0.345	0.17	-0.025	-0.48	-0.3748	-0.46128	-0.7741	-0.9023	-0.9788	-0.9978
Map1_P14873_T5201_1	Map1_P1	-0.66	0.15	0.46	0.11	-1.03	0.68	-0.4	0.1	1.33	0.27	0.22	0.31	-1.4	-0.98	0.12	-0.5	-0.2925	0.1375	-0.7275	-0.5178	-0.3783	-0.6514	-0.9023	-0.9788	-0.99529
Map1_P14873_T5201_1	Map1_P1	-0.93	-2.07	-2.76	-1.83	-2.15	-2.65	-1.46	-1.17	-1.34	-0.71	-1.14	-0.71	-1.4	-0.96	-0.21	-0.065	0.795	-0.325	-0.45412	-0.82823	-0.72218	-0.9023	-0.9788	-0.99529	
Map1_P14873_T5201_1	Map1_P1	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29
Map1_P14873_T5201_1	Map1_P1	-0.93	-2.07	-2.76	-1.83	-2.15	-2.65	-1.46	-1.17	-1.34	-0.71	-1.14	-0.71	-1.4	-0.96	-0.21	-0.065	0.795	-0.325	-0.45412	-0.82823	-0.72218	-0.9023	-0.9788	-0.99529	
Map1_P14873_T5201_1	Map1_P1	-0.93	-2.07	-2.76	-1.83	-2.15	-2.65	-1.46	-1.17	-1.34	-0.71	-1.14	-0.71	-1.4	-0.96	-0.21	-0.065	0.795	-0.325	-0.45412	-0.82823	-0.72218	-0.9023	-0.9788	-0.99529	
Map1_P14873_T5201_1	Map1_P1	-0.93	-2.07	-2.76	-1.83	-2.15	-2.65	-1.46	-1.17	-1.34	-0.71	-1.14	-0.71	-1.4	-0.96	-0.21	-0.065	0.795	-0.325	-0.45412	-0.82823	-0.72218	-0.9023	-0.9788	-0.99529	
Map1_P14873_T5201_1	Map1_P1	-0.93	-2.07	-2.76	-1.83	-2.15	-2.65	-1.46	-1.17	-1.34	-0.71	-1.14	-0.71	-1.4	-0.96	-0.21	-0.065	0.795	-0.325	-0.45412	-0.82823	-0.72218	-0.9023	-0.9788	-0.99529	
Map1_P14873_T5201_1	Map1_P1	-0.93	-2.07	-2.76	-1.83	-2.15	-2.65	-1.46	-1.17	-1.34	-0.71	-1.14	-0.71	-1.4	-0.96	-0.21	-0.065	0.795	-0.325	-0.45412	-0.82823	-0.72218	-0.9023	-0.9788	-0.99529	
Map1_P14873_T5201_1	Map1_P1	-0.93	-2.07	-2.76	-1.83	-2.15	-2.65	-1.46	-1.17	-1.34	-0.71	-1.14	-0.71	-1.4	-0.96	-0.21	-0.065	0.795	-0.325	-0.45412	-0.82823	-0.72218	-0.9023	-0.9788	-0.99529	
Map1_P14873_T5201_1	Map1_P1	-0.93	-2.07	-2.76	-1.83	-2.15	-2.65	-1.46	-1.17	-1.34	-0.71	-1.14	-0.71	-1.4	-0.96	-0.21	-0.065	0.795	-0.325	-0.45412	-0.82823	-0.72218	-0.9023	-0.9788	-0.99529	
Map1_P14873_T5201_1	Map1_P1	-0.93	-2.07	-2.76	-1.83	-2.15	-2.65	-1.46	-1.17	-1.34	-0.71	-1.14	-0.71	-1.4	-0.96	-0.21	-0.065	0.795	-0.325	-0.45412	-0.82823	-0.72218	-0.9023	-0.9788	-0.99529	
Map1_P14873_T5201_1	Map1_P1	-0.93	-2.07	-2.76	-1.83	-2.15																				

Meepz_Q02D00_5800_1	Meepz_Q09	0.66	1.07	0.83	0.94	0.43	0.47	0.43	0.87	0.43	0.8	1.44	0.95	0.76	0.66	0.47	1.34	-0.325	0.03	-0.0675	0.181928	0.16695	0.914265	0.982922	0.997888	0.995907
Meepz_Q02D00_5800_1	Meepz_Q09	1.17	0.26	-0.16	-1.7	-0.54	-1.09	-1.66	-0.71	0.06	-0.69	-1.54	-2.38	-0.23	-0.21	-1.85	-0.83	0.4425	0.305	0.775	0.101948	0.069972	0.989221	0.988222	0.997888	0.994666
Meepz_Q02D00_5800_1	Meepz_Q09	-0.85	1.24	-0.32	0.74	-0.21	-0.18	-0.24	-0.15	0.24	-0.15	0.05	-0.15	0.24	-0.15	-0.15	0.24	-0.15	0.24	0.04	0.142496	0.04	0.142496	0.04	0.142496	0.04
Meepz_Q02D00_5800_1	Meepz_Q09	0.62	0.32	0.37	0.22	0.77	-0.78	-0.14	0.31	-0.73	0.06	-0.15	-0.55	-0.38	-0.45	-0.57	0.72	-0.34	-0.3875	0.15	0.079616	0.360311	0.359864	0.988222	0.997888	0.996159
Meepz_Q02D00_5800_1	Meepz_Q09	-0.24	-1.38	-0.76	-0.69	-1.78	-1.1	-3.47	-2.35	-1.13	-1.36	-1.69	-1.65	-1.04	-2.56	-2.01	0.635	0.84	0.985	0.102809	0.350625	0.265034	0.988222	0.997888	0.994666	
Meepz_Q02D00_5800_1	Meepz_Q09	-0.14	-0.36	-0.54	-0.12	-0.79	-0.11	-0.28	-0.15	0.24	-0.15	0.05	-0.15	0.24	-0.15	-0.15	0.24	-0.15	0.24	0.04	0.142496	0.04	0.142496	0.04	0.142496	0.04
Meepz_Q02D00_5800_1	Meepz_Q09	-0.23	-0.46	-3.33	-1.7	-2.77	-4.3	-2.51	-3.21	-4.26	-4.05	-4.86	-4.25	-1.71	-1.31	-2.22	-3.25	-0.0175	0.325	1.0575	0.114134	0.047344	0.723496	0.988222	0.997888	
Meepz_Q02D00_5800_1	Meepz_Q09	-0.64	-0.76	-0.21	-2.58	-0.55	-0.66	-2.08	-2.93	-0.83	-0.11	-1.29	-2.21	-0.84	-0.61	-2.58	-1.64	0.1325	0.625	0.02	0.979575	0.048198	0.330134	0.969489	0.997888	1.0
Meepz_Q02D00_5800_1	Meepz_Q09	-0.89	-0.66	-0.37	-0.54	-0.28	-0.68	-0.28	-0.68	-0.28	-0.68	-0.28	-0.68	-0.28	-0.68	-0.28	-0.68	-0.28	0.04	0.142496	0.04	0.142496	0.04	0.142496	0.04	
Meepz_Q02D00_5800_1	Meepz_Q09	-5.23	-4.6	-5.04	-5.74	-4.34	-6	-6.09	-4.3	-3.43	-4.5	-2.05	-4.12	-0.86	-0.61	-3.78	-4.7	0.03	0.1625	0.17225	0.070034	0.951245	0.914265	0.988222	0.994666	
Meepz_Q02D00_5800_1	Meepz_Q09	-0.59	-0.47	-2.18	-0.62	-0.58	-0.8	-0.62	-1.92	-1.43	-0.51	-1.27	-1.94	-1.27	-0.18	-1.94	-2.57	-0.015	0.325	0.435	0.506344	0.048198	0.330134	0.969489	0.997888	
Meepz_Q02D00_5800_1	Meepz_Q09	-0.85	-0.26	-0.54	-0.12	-0.79	-0.11	-0.28	-0.15	0.24	-0.15	0.05	-0.15	0.24	-0.15	-0.15	0.24	-0.15	0.24	0.04	0.142496	0.04	0.142496	0.04	0.142496	0.04
Meepz_Q02D00_5800_1	Meepz_Q09	-5.26	-3.5	-3.26	-4.87	-3.28	-5.77	-3.12	-3.18	-3.28	-4.1	-1.74	-0.01	-1.59	-1.14	-3.24	-3.5	0.3925	1.1975	1.4	0.037477	0.054424	0.084325	0.988222	0.997888	
Meepz_Q02D00_5800_1	Meepz_Q09	-0.49	-0.74	-1.18	-0.31	-0.31	-0.48	-0.62	-0.41	-0.34	-0.76	-0.42	0.03	-0.35	-1.23	-1.69	-0.44	-0.145	0.0625	-0.6175	0.224882	0.178373	0.88169	0.95437	0.997888	
Meepz_Q02D00_5800_1	Meepz_Q09	-1.88	-1.67	-0.41	-0.12	-0.98	-0.14	-0.78	-0.77	-0.28	-1.37	-0.16	-0.11	0.6	0.65	-0.51	-0.29	0.3925	-0.29	-0.4245	0.680349	0				

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[illegible]

[illegible]

[illegible]

Ptmt2_P3381, 5161	-0.47	0.4	-0.33	-0.56	-0.7	0.29	0.21	0.43	0.12	0.32	0.88	0.49	0.53	-0.41	-0.26	0.27	0.99	0.4775	0.905	0.1375	0.236663	0.14011	0.004876	0.989223	0.999888	0.994666
Ptmt2_P3381, 5161	0.11	-0.52	-0.12	-0.37	-0.98	-0.08	0.57	-0.36	-0.06	-0.11	-0.53	-0.44	-0.57	-0.18	-0.27	-0.4575	0.0025	-0.1	0.378493	0.140709	0.915208	0.989223	0.999888	0.999888	0.994666	
Ptmt2_P3381, 5161	0.13	-0.12	-0.08	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	0.2215	0.1375	0.1375	0.1375	0.1375	0.1375	0.1375	0.1375	
Ptmt2_P3381, 5161	-1.03	-0.44	-1.41	-1.08	-1.14	-1.07	-0.28	-0.56	-1.3	-1.97	-0.9	-1.17	-0.55	-0.02	-1.6	-0.13	0.2275	-0.345	0.2	0.62947	0.97208	0.93088	0.989223	0.999888	0.995259	
Ptmt2_P3381, 5161	-1.49	-1.23	-1.43	-1.01	-2.04	-1.23	-0.04	-1.87	-1.68	-1.45	-0.02	-1.37	-1.41	-1.23	-0.75	-0.84	-0.05	0.16	0.3225	0.0424	0.99988	0.98376	0.99187	0.99988	0.994666	
Ptmt2_P3381, 5161	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Ptmt2_P3381, 5161	0.59	0.77	0.79	0.71	1.35	0.5	1.22	0.03	0.41	0.32	0.15	1.12	0.14	1.37	0.5	0.51	0.31	0.215	0.155	0.248848	0.23121	0.44482	0.989223	0.999888	0.995259	
Ptmt2_P3381, 5161	1.75	1.57	2.83	1.11	0.32	2.98	0.05	1.59	-0.33	1.89	-0.66	1.23	0.58	-2.49	-2.26	-0.355	-1.075	-0.745	0.47641	0.64682	0.18027	0.90931	0.999888	0.999888	0.994666	
Ptmt2_P3381, 5161	-0.11	-0.88	-0.23	-0.11	-0.88	-0.23	-0.11	-0.88	-0.23	-0.11	-0.88	-0.23	-0.11	-0.88	-0.23	-0.11	-0.88	-0.23	0.6475	0.191936	0.34341	0.27549	0.989223	0.999888	0.994666	
Ptmt2_P3381, 5161	-0.53	0.27	0.01	-0.53	0.27	0.01	-0.53	0.27	0.01	-0.53	0.27	0.01	-0.53	0.27	0.01	-0.53	0.27	0.01	0.34851	0.20315	0.989223	0.989223	0.989223	0.989223	0.989223	
Ptmt2_P3381, 5161	1.57	0.24	0.39	1.11	0.99	1.52	0.62	1.52	0.15	0.26	0.65	0.86	0.05	0.63	0.06	0.36	0.455	-0.2275	-0.4873	0.130281	0.92949	0.989223	0.999888	0.994666		
Ptmt2_P3381, 5161	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	-0.45	0.2225	0.560801	0.805641	0.93432	0.99187	0.999888	0.994666		
Ptmt2_P3381, 5161	0.33	0.67	0.93	0.56	0.81	0.84	0.8	0.03	-0.46	-0.11	0.45	1.12	0.07	1	0.63	1.17	0.2475	0.3725	0.06	0.859205	0.237948	0.33225	0.989223	0.999888	0.995057	
Ptmt2_P3381, 5161	1.28	0.41	0.72	0.88	-0.28	1.69	-0.38	0.74	1.88	0.47	0.06	0.49	1.07	-1.01	0.6	0.5	-0.3825	-0.1	-0.535	0.92927	0.43294	0.81445	0.989223	0.999888	0.994666	
Ptmt2_P3381, 5161	0.65	0.61	0.62	0.37	-0.4	0.95	-0.31	-0.04	1.75	0.51	-0.11	0.17	2.1	-1.18	1.01	0.07	0.415	0.115	0.073506	0.52344	0.78159	0.989223	0.999888	0.995057		
Ptmt2_P3381, 5161	1.29	0.67	1.29	0.67	1.29	0.67																				

Ralign1_A1	2.01	0.31	0.57	1.1	0.85	1.83	0.89	1.49	0.65	0.81	-0.07	-1.36	0.77	0.84	0.05	1.15	0.2425	0.35	-0.73	0.196204	0.151408	0.473358	0.890232	0.997888	0.994666
Ralign1_A2	0.48	-0.73	-0.73	-0.73	-0.25	-0.21	-0.49	-0.34	-1.2	-0.93	0.3	-0.61	-1.51	-0.42	-1.94	-0.46	0.354	0.675	-0.45	0.307487	0.151408	0.689938	0.990232	0.997888	0.994666
Ralign1_A3	0.88	0.07	0.69	0.03	0.03	0.32	0.08	-0.24	-0.39	0.29	-1.15	1.04	-1.31	-0.17	-0.09	-0.16	-0.35	-0.48	-0.05	0.027426	0.489024	0.389622	0.990232	0.997888	0.994666
Ralign1_A4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Ralign1_A5	0.15	-0.18	0.11	0.58	0.08	-0.25	0.38	-0.4	-0.73	-0.28	-0.27	-0.04	-0.16	-0.41	-0.06	-0.82	0.1375	-0.42	-0.4525	0.151408	0.28084	0.389622	0.990232	0.997888	0.994666
Ralign1_A6	0.2	-0.91	1.24	1.13	0.28	-0.82	0.08	1.29	-0.51	-0.32	-0.25	0.88	0.77	0.01	0.5	0.21	0.2225	0.34	0.0625	0.902328	0.17131	0.674422	0.990232	0.997888	0.995007
Ralign1_A7	0.38	0.15	0.38	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Ralign1_A8	0.45	-0.28	-1.41	-0.14	0.11	0.05	0.26	-0.67	-0.25	-0.05	-0.46	-0.53	-0.17	0.19	-0.56	0.4	0.5075	0.3475	0.35	0.358905	0.175139	0.674422	0.990232	0.997888	0.994666
Ralign1_A9	0.8	-0.32	0.75	1.12	0.32	0.27	0.64	1.3	0.44	-0.49	0.31	0.91	0.71	-0.48	2.14	0.15	-1.25	-0.38	0.524314	0.191647	0.47804	0.95762	0.990232	0.997888	0.994666
Ralign1_A10	2.7	2.92	6.22	1.11	5.52	8.19	5.29	2.07	6.39	-2.07	5.98	2.31	0.97	7.59	6.99	1.305	1.2	1.005	0.96458	0.33774	0.53349	0.990232	0.997888	0.995007	0.994666
Ralign1_A11	0.92	0.12	0.92	0.12	0.92	0.12	0.92	0.12	0.92	0.12	0.92	0.12	0.92	0.12	0.92	0.12	0.92	0.12	0.92	0.12	0.92	0.12	0.92	0.12	0.92
Ralign1_A12	0.47	0.22	0.88	-0.62	-0.6	-0.43	-1.26	-1.39	-0.6	-0.69	-0.67	-0.03	-1.22	-0.21	-0.9	0.3275	0.45	0.0175	0.96073	0.27289	0.88048	0.990232	0.997888	0.995007	0.994666
Ralign1_A13	4.79	-2.4	-1.44	-3.22	-4.66	-1.43	-3.74	-2.02	-2.82	-1.88	-2.89	0.26	1.89	-0.41	-0.93	0.3775	0.31	0.7634	0.44849	0.22038	0.990232	0.997888	0.995007	0.994666	
Ralign1_A14	0.2	0.59	0.02	0.59	0.02	0.59	0.02	0.59	0.02	0.59	0.02	0.59	0.02	0.59	0.02	0.59	0.02	0.59	0.02	0.59	0.02	0.59	0.02	0.59	0.02
Ralign1_A15	0.33	-0.62	-0.86	-0.06	-0.97	-1.05	-0.24	-0.21	-0.48	-0.11	-0.08	-0.44	-1.18	0.32	-0.31	-0.45	-0.03	0.1	0.3125	0.4133	0.32688	0.84033	0.98562	0.990232	0.994666
Ralign1_A16	0.33	-1.29	-1.29	-1.35	-1.53	-0.53	-2.17	-1.53	-0.83	-0.92	-1.65	-1.3	0.74	-1.76	-1.11	-1.35	-0.38	0.25	0.195	0.72784	0.33645	0.62762	0.990232	0.997888	0.995007
Ralign1_A17	0.01																								

Rgl1_E9080_S518.1		Rgl1_E9080	-1.19	-1.68	-1.38	-0.99	-1.63	-1.58	-0.83	-1.11	-1.45	-2.32	-0.59	-1.52	-1.65	-0.6	-2.08	-0.7	0.0225	-0.16	0.065	0.068259	0.935959	0.679193	0.99868	0.997988	0.999507	
Rgl1_C3070_S5070.1		Rgl1_C3070	-0.19	-0.44	-0.22	-0.07	-0.12	-0.24	-0.09	-0.12	-0.27	-0.09	-0.25	-0.15	-0.21	-0.02	-0.15	-0.021	0.1812	0.137	0.12	0.3385	0.9198	0.997388	0.997988	0.999507		
Rglm_C8040_S26.1		Rglm_C8040	-0.39	0.19	0.07	0.01	0.1	-0.07	-0.24	-0.08	0.09	0.08	0.46	0.27	0.11	0.04	-0.31	-0.0425	0.0575	0.29597	0.850112	0.51068	0.96940	0.997988	0.999507			
Rgl12_E90502_S1155.1		Rgl12_E90502	-3.53	-1.38	-2.46	-0.47	-2.61	-2.09	-2.44	-2.99	0.54	-2.73	-1.87	-1.52	-0.64	-3.16	-2.64	-0.33	0.535	0.8775	1.745	1.675	0.08023	0.06407	0.01229	0.989233	0.997988	0.999507
Rgl12_E90502_S1150.1		Rgl12_E90502	-1.12	-1.02	-1.16	-0.17	-1.06	-0.97	-1.3	-1.06	-1.3	-1.06	-1.3	-1.06	-1.3	-1.06	-1.3	-1.06	0.1575	0.20355	0.02747	0.14011	0.32883	0.997988	0.997988	0.999507		
Rgl12_E90502_S3173.1		Rgl12_E90502	-0.12	-0.59	0.73	0.4	0.57	0.14	0.69	0.44	-0.44	0.05	-0.48	-0.05	0.37	0.42	0.97	0.46	-0.355	-0.095	0.265	0.51797	0.291242	0.791269	0.989233	0.997988	0.999507	
Rgl12_E90502_S850.1		Rgl12_E90502	-0.41	0.72	0.92	0.64	0.67	0.32	0.68	0.83	0.78	0.75	0.18	0.67	0.59	1.02	0.25	0.37	-0.0475	-0.115	0.681239	0.835327	0.757218	0.919562	0.997988	0.999507		
Rgl12_E90502_S879.1		Rgl12_E90502	-0.87	-0.23	-0.77	-0.37	-0.11	-0.38	-0.51	-0.3	-0.65	-0.29	-0.2	-0.32	-1.89	0.24	0.06	-0.41	0.235	0.59	0.06	0.901236	0.340609	0.450254	0.989233	0.997988	0.999507	
Rgl14_P9189_S2031.1		Rgl14_P9189	-1.2	-0.88	-0.97	-0.1	-0.88	-0.97	-0.1	-0.88	-0.97	-0.1	-0.88	-0.97	-0.1	-0.88	-0.97	-0.1	0.055	0.235	0.055	0.235	0.055	0.235	0.055	0.235	0.055	0.235
Rgl14_P9189_S218.1		Rgl14_P9189	-1.6	-0.4	-1.17	-0.79	-0.87	-1.29	-0.33	-1.53	-1.2	-0.88	-0.73	-1.54	-0.22	-0.41	-1.38	-0.89	-0.1225	0.285	0.451404	0.967313	0.713307	0.998187	0.997988	0.999507		
Rgl14_P9189_S289.1		Rgl14_P9189	-0.91	-1.02	0.33	-0.64	-1.35	-0.43	-1.44	-0.92	-0.34	-1.12	0.67	-0.68	-0.19	-1.23	-0.28	-0.42	-0.4875	0.23	-0.075	0.79219	0.224019	0.30834	0.989233	0.997988	0.999507	
Rgl15_O8814_S38.1		Rgl15_O8814	-0.07	0.3	0.02	0.07	-0.02	0.03	-0.02	0.03	-0.02	0.03	-0.02	0.03	-0.02	0.03	-0.02	0.03	0.13	0.185	0.147401	0.413468	0.39002	0.989233	0.997988	0.999507		
Rgl20_E90720_S179.1		Rgl20_E90720	2.72	1.72	2.31	3.09	1	2.01	1.83	3.25	2	3.22	3.1	2.9	1.29	1.06	2.43	2.15	-0.4125	0.37	-0.025	0.133195	0.422728	0.770606	0.989233	0.997988	0.999507	
Rgl20_O20201_S136.1		Rgl20_O20201	-0.18	-0.69	0.75	0.54	-0.03	-1.19	0.74	0.96	2.68	0.7	3.36	0.15	1.74	2.65	0.68	0.67	-0.13	1.2725	0.985	0.071484	0.504246	0.103401	0.989233	0.997988	0.999507	
Rgl3_C02004_S287.1		Rgl3_C02004	1.14	0.52	0.04	0.11	0.66	0.59	1.4	0.31	0.89	0.94	0.97	0.88	0.31	0.81	1.36	0.35	0.2	0.125	0.71217	0.34113	0.405464	0.989233	0.997988	0.999507		
Rgl3_C02004_S11.1		Rgl3_C02004	1.14	0.52	0.04	0.11	0.66	0.59	0.98	0.65	0.88	0.94	0.47	0.29	0.1	0.81	0.38	0.305	0.23	0.1075	0.758884	0.328406	0.388875	0.989233	0.997988	0.999507		
Rgl6_O20212_S244.1		Rgl6_O20212	1.1	0.33	0.67	0.01	0.86	0.63	1.3	1.02	0.7	0.89	0.53	1.33	0.36	1.01	0.45	0.56	0.175	0.035	-0.1825	0.33893	0.515081	0.988188	0.989233	0.997988	0.999507	
Rgl7_O88003_S229.1		Rgl7_O88003	-1.43	-1.82	-1.66	-0.85	-1.88	-0.7	-1.46	-2.21	-1.61	-1.07	-1.47	-1.07	-0.76	-1.71	-1.61	0.175	0.0075	0.1475	0.16103	0.242576	0.79689	0.989233	0.997988	0.999507		
Rgl7_O88003_S229.1		Rgl7_O88003	6.32	2.09	3.66	2.15	2.29	5.72	4.53	3.45	2.3	3.46	4.09	3.23	1.51	2.29	3.48	3.45	-0.5675	-0.16	-0.7475	0.44883	0.597214	0.986888	0.989233	0.997988	0.999507	
Rgl7_O88003_S518.1		Rgl7_O88003	0.33	-1.95	-1.11	-0.31	-0.53	0.34	0.08	0.28	1.8	-2.36	0.52	0.4	-1.67	-0.25	-1.56	-0.67	-0.8025	-0.25	-0.2775	0.602056	0.12644	0.735165	0.989233	0.997988	0.999507	
Rgl8_O2024_S46.1		Rgl8_O2024	1.83	0.75	1.43	1.3	-1.12	0.36	0.98	1.13	0.58	1.37	1.87	0.73	1.84	0.4	1.46	1.24	-0.74	-0.18	-0.265	0.490623	0.065382	0.10102	0.989233	0.997988	0.999507	
Rgl8_O2024_T47.1		Rgl8_O2024	0.31	-0.1	0.31	0.5	-0.88	-0.17	0.47	0	0.5	-0.25	0.08	-1.04	-1.33	-0.95	-0.79	-0.51	-0.365	-0.4325	0.295	0.3985	0.249546	0.989233	0.997988	0.999507		
Rhd01_F2293_S561.1		Rhd01_F2293	-1.55	-1.35	-2.84	-3.96	-1.53	-1.17	-1.96	-2.59	1.13	-1.43	-4.31	-2.33	1.4	-1.36	-1.23	1.14	0.6575	0.735	1.8875	0.035028	0.281341	0.515601	0.989233	0.997988	0.999507	
Rhd01_F2293_S51.1		Rhd01_F2293	-1.79	-1.83	-1.43	1.3	-1.12	0.36	0.98	1.13	0.58	1.37	1.87	0.73	1.84	0.4	1.46	1.24	-0.74	-0.18	-0.265	0.490623	0.065382	0.10102	0.989233	0.997988	0.999507	
Rhd01_F2		Rhd01_F2	-0.6	-0.05	0.24	0	-0.01	-0.42	-0.06	-0.28	0.8	-0.38	0.08	0.3	1.63	-0.46	0.68	0.76	-0.09	0.235	0.75	0.119604	0.726412	0.479949	0.995437	0.997988	0.999507	
Rhd01_F2293_S51.1		Rhd01_F2293	0.15	-0.56	-0.49	-0.89	0.16	-0.01	-0.82	-1.05	0.61	-0.73	-0.27	0.07	1.42	-0.52	0	-0.15	-0.0175	0.3325	0.63	0.190086	0.961701	0.713136	0.995917	0.997988	0.999507	
Rhd01_P5093_S56.1		Rhd01_P5093	1	-0.45	0.22	0.25	0.56	0.54	0.52	0.07	0.04	-1.33	0.21	4.21	-1.52	0.34	0.29	-0.02	-0.49	0.5875	0.588615	0.952232	0.290519	0.995917	0.997988	0.999507		
Rhd01_P6274_S123.1		Rhd01_P6274	5.19	4.56	4.87	3.84	3.76	4.93	3.18	4.24	1.79	4.47	4.05	3.99	-0.62	1.25	4.52	4.25	-0.5875	-1.40	-2.265	0.060391	0.203925	0.115742	0.989233	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.27	0.21	1.33	-0.31	-0.31	-0.65	-1.65	-0.28	1.38	-0.37	0.11	-0.02	1.56	-1.11	0.12	0.54	-1.3375	-0.31	0.13	0.601781	0.048054	0.523675	0.989233	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.37	0.21	1.33	-0.31	-0.31	-0.65	-1.65	-0.28	1.38	-0.37	0.11	-0.02	1.56	-1.11	0.12	0.54	-1.3375	-0.31	0.13	0.601781	0.048054	0.523675	0.989233	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.64	0.3	0.25	-0.62	0.41	0.27	-0.25	-0.58	-0.26	0.83	-0.67	-0.09	0.32	1.52	-0.46	-0.2	0.14	0.13	0.4725	0.341	0.690406	0.749527	0.996472	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.64	0.3	0.25	-0.62	0.41	0.27	-0.25	-0.58	-0.26	0.83	-0.67	-0.09	0.32	1.52	-0.46	-0.2	0.14	0.13	0.4725	0.341	0.690406	0.749527	0.996472	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.64	0.3	0.25	-0.62	0.41	0.27	-0.25	-0.58	-0.26	0.83	-0.67	-0.09	0.32	1.52	-0.46	-0.2	0.14	0.13	0.4725	0.341	0.690406	0.749527	0.996472	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.64	0.3	0.25	-0.62	0.41	0.27	-0.25	-0.58	-0.26	0.83	-0.67	-0.09	0.32	1.52	-0.46	-0.2	0.14	0.13	0.4725	0.341	0.690406	0.749527	0.996472	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.64	0.3	0.25	-0.62	0.41	0.27	-0.25	-0.58	-0.26	0.83	-0.67	-0.09	0.32	1.52	-0.46	-0.2	0.14	0.13	0.4725	0.341	0.690406	0.749527	0.996472	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.64	0.3	0.25	-0.62	0.41	0.27	-0.25	-0.58	-0.26	0.83	-0.67	-0.09	0.32	1.52	-0.46	-0.2	0.14	0.13	0.4725	0.341	0.690406	0.749527	0.996472	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.64	0.3	0.25	-0.62	0.41	0.27	-0.25	-0.58	-0.26	0.83	-0.67	-0.09	0.32	1.52	-0.46	-0.2	0.14	0.13	0.4725	0.341	0.690406	0.749527	0.996472	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.64	0.3	0.25	-0.62	0.41	0.27	-0.25	-0.58	-0.26	0.83	-0.67	-0.09	0.32	1.52	-0.46	-0.2	0.14	0.13	0.4725	0.341	0.690406	0.749527	0.996472	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.64	0.3	0.25	-0.62	0.41	0.27	-0.25	-0.58	-0.26	0.83	-0.67	-0.09	0.32	1.52	-0.46	-0.2	0.14	0.13	0.4725	0.341	0.690406	0.749527	0.996472	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.64	0.3	0.25	-0.62	0.41	0.27	-0.25	-0.58	-0.26	0.83	-0.67	-0.09	0.32	1.52	-0.46	-0.2	0.14	0.13	0.4725	0.341	0.690406	0.749527	0.996472	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.64	0.3	0.25	-0.62	0.41	0.27	-0.25	-0.58	-0.26	0.83	-0.67	-0.09	0.32	1.52	-0.46	-0.2	0.14	0.13	0.4725	0.341	0.690406	0.749527	0.996472	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.64	0.3	0.25	-0.62	0.41	0.27	-0.25	-0.58	-0.26	0.83	-0.67	-0.09	0.32	1.52	-0.46	-0.2	0.14	0.13	0.4725	0.341	0.690406	0.749527	0.996472	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.64	0.3	0.25	-0.62	0.41	0.27	-0.25	-0.58	-0.26	0.83	-0.67	-0.09	0.32	1.52	-0.46	-0.2	0.14	0.13	0.4725	0.341	0.690406	0.749527	0.996472	0.997988	0.999507	
Rhd01_P6409_S123.1		Rhd01_P6409	-0.64	0.3	0.25	-0.62	0.41	0.27	-0.25</																			

Ru1_EBPW05_131231_1	1.35	1.54	1.56	1.55	0.62	0.69	1.01	1.01	0.45	1.57	3.3	1.48	0.6	0.86	1.79	1.24	-0.6675	0.2	-0.3775	0.24795	0.01049	0.71607	0.98923	0.99788	0.99466
Ru1_EBPW05_131231_2	1.13	1.09	1.08	1.06	-1.1	-0.7	-0.53	-1.35	-0.88	-2.21	-3.3	1.27	-0.8	-1.1	0.51	1.1	-0.75	-0.8314	0.31024	0.801136	0.98223	0.99788	0.99466	0.99507	
Ru1_EBPW05_131231_3	0.75	-0.49	-0.13	-0.38	-1.3	-1.45	-0.36	-1.51	0.32	-0.81	-0.87	-1.29	0.32	-1.57	-0.59	-0.3	-0.7175	-0.25	-1.05	0.78995	0.04638	0.55141	0.98923	0.99788	
Ru1_EBPW05_131231_4	2.03	1.7	1.8	2.25	1.36	1.92	1.76	1.51	0.3	1.67	0.01	-0.7	-0.68	-0.83	1.99	2.34	0.1925	-0.6425	0.4	0.38095	0.04638	0.75883	0.98923	0.99788	
Ru1_G31701_556_1	-0.33	-0.4	-0.2	-1.83	0.73	-0.83	-0.29	-0.43	-0.47	-0.48	-0.1	0.12	0.36	-0.37	-0.49	-1.1	-0.75	-0.7803	0.83001	0.19011	0.17	0.99788	0.99466	0.99507	
Ru2_54814_5103_1	-1.53	-2.24	-1.26	-2.51	-2.54	-1.76	-1.93	-1.8	-0.23	-2.25	-1.28	-1.94	-1	-2.42	-0.25	-1.33	-1.2225	-0.46	1.135	0.132502	0.72539	0.91519	0.99547	0.99788	
Ru2_54814_5104_1	-1.71	-2.33	-1.44	-3	-2.75	-1.95	-2.07	-1.97	-0.77	-2.71	-1.62	-2.21	-0.73	-0.67	-0.37	-1.59	-0.065	0.2925	1.145	0.13962	0.86592	0.56216	0.99493	0.99788	
Ru2_54814_5121_1	-1.86	-1.66	-2.82	-2.25	-1.05	-2.23	-2.09	-2.36	-1.82	-1.61	-2.17	-1.67	-1.07	-2.27	-0.62	-1.68	0.465	0.58	0.9875	0.07187	0.31757	0.10892	0.98923	0.99788	
Ru3_032401_5126_1	-0.85	-0.29	-0.56	-0.79	-0.39	-1.86	-2.34	-1.79	-0.23	-1.36	-0.42	-0.98	-0.12	-0.87	-0.51	-1.2	-0.325	0.2975	0.385	0.533791	0.46489	0.42124	0.99788	0.99466	
Ru3_032401_5126_2	0.53	-0.27	-1.57	-1.32	-0.87	-1.63	-1.17	-1.43	-1.12	-1.59	0.17	-1.1	0.87	-0.61	0.17	-1.4	-0.2375	-0.1225	0.29	0.656549	0.8823	0.51484	0.98923	0.99788	
Ru3_032401_5166_1	0.2	0.88	0.75	-0.57	-0.5	1.13	-0.83	-0.68	0.62	0.8	0.44	0.3	1.26	-0.17	-0.46	0.25	-0.335	0.045	-0.90289	0.84289	0.11004	0.90507	0.98923	0.99788	
Ru3_032401_5166_2	0.62	0.65	0.62	0.8	0.6	1.1	0.4	0.5	0.3	0.15	0.3	0.2	0.75	0.76	0.34	0.89	0.2075	0.76	0.76	0.94118	0.402384	0.75106	0.98923	0.99788	
Ru3_032401_5166_3	-0.77	-0.39	-0.41	-0.24	-0.24	1.4	1.17	-0.72	-1.17	-1.26	-0.63	0.27	-0.1	-0.71	-0.14	-0.23	0.855	-0.245	0.7225	0.36249	0.513264	0.513841	0.98923	0.99788	
Ru3_032401_5166_4	-0.47	-0.48	-0.11	-0.97	-1.02	-0.71	-1.02	-1.12	-0.16	0.06	0.41	-0.68	0.14	-0.05	-0.79	-0.83	-0.46	0.21	0.35	0.4115	0.03988	0.40923	0.98923	0.99788	
Ru3_032401_5166_5	0.05	0.33	0.69	0.96	0.07	0.61	0.39	0.52	0.38	1	0.34	0.54	0.46	0.38	0.51	0.26	0.1255	0.523693	0.584438	0.633765	0.98923	0.99788	0.99466		
Ru3_032401_5166_6	1.65	1.61	0.13	0.96	2.2	2.1	1.12	0.7	1.02	0.86	0.64	0.3	-0.01	-0.27	-0.26	0.2	0.4425	-0.3825	0.85785	0.329988	0.339528	0.98923	0.99788	0.99466	
Ru3_032401_5166_7	-0.25	0.37	0.32	0.11	0.1	-0.27	0.54	0.23	-0.29	0.4	-0.05	0.08	-0.14	-0.72	-0.14	0.08	0.225	-0.1225	0.7273	0.386747	0.562313	0.931709	0.99587	0.99788	
Ru3_032401_5166_8	-0.02	0.14	-0.19	0.19	-0.17	0.61	-0.11	-0.28	-0.12	-0.17	-0.18	0.34	0.11	0.1	0.51	0.18	0.015	-0.3775	-0.0625	0.802122	0.946465	0.147444	0.99587	0.99507	
Ru3_032401_5166_9	0.14	-0.27	0.1	0.34	0.16	0	0.61	0.44	-0.34	-0.25	-0.13	0.06	-0.9	0.14	-0.17	0.06	0.225	-0.225	-0.295	0.364358	0.372358	0.931709	0.98923	0.99788	
Ru3_032401_5166_10	0.05	0.21	0.28	0.2	-0.64	0.45	-0.48	-0.01	0.98	0.5	1.47	-0.22	0.96	0.77	0.02	0.38	-0.3775	-0.11	0.02	0.59506	0.28965	0.83679	0.98923	0.99788	
Ru3_032401_5166_11	0.26	0.62	0.47	0.24	0.64	0.4	0.75	0.48	0.75	0.42	0.39	0.72	0.95	0.44	0.51	-0.015	0.1225	0.1825	0.464847	0.953436	0.02039	0.99587	0.99466		
Ru3_032401_5166_12	0.92	0.29	0.71	0.65	0.5	0.52	0.65	0.17	0.22	0.86	-0.58	-0.52	-0.41	0.86	-0.07	-0.34	-0.7275	-0.2775	0.480486	0.63992	0.583196	0.98923	0.99788	0.99466	
Ru3_032401_5166_13	0.84	0.82	0.47	0.39	0.67	0.09	0.66	0.38	0.17	0.56	0.13	0.53	0.05	0.35	0.26	0.25	-0.055	-0.2225	-0.2775	0.276032	0.819057	0.40414	0.99562	0.99788	
Ru3_032401_5166_14	0.27	0.56	0.23	0.61	0.6	0.52	-0.64	-0.35	-0.25	-0.19	-0.66	0.38	0.14	-0.16	0.5075	0.2775	-0.055	0.866573	0.065704	0.361049	0.98923	0.99788	0.99507		
Ru3_032401_5166_15	0.41	0.88	0.34	0.42	0.4	0.06	0.42	-0.45	-0.15	-0.17	-0.02	0.18	0.26	0.18	0.31	0.47	-0.18	-0.4675	-0.2075	0.416935	0.440835	0.73361	0.98923	0.99788	
Ru3_032401_5166_16	-0.85	-0.74	-0.98	0.09	-0.64	0.05	-0.84	-1.34	-0.55	-0.59	-0.96	-0.65	0.4	-0.89	-0.52	0.5475	0.0025	0.3575	0.20566	0.075228	0.930849	0.98923	0.99788	0.99466	
Ru3_032401_5166_17	0.1	0.45	-0.28	-0.32	0.12	0.05	-0.36	-0.14	-0.32	-0.79	0.24	0.59	-0.11	-0.02	0.2025	-0.005	0.0675	0.833376	0.409551	0.772625	0.98923	0.99788	0.99507		
Ru3_032401_5166_18	0.85	0.3	0.2	0.37	0.75	0.35	0.63	0.31	0.9	1.08	0.23	-0.14	0.45	0.8	0.13	0.12	-0.7	-0.0625	-0.205	0.486377	0.785017	0.58248	0.99562	0.99788	
Ru3_032401_5166_19	0.29	0.68	0.37	0.33	0.67	-0.02	0.82	0.33	0.19	0.63	0.2	0.42	0.27	0.8	0.46	0.5	0.0325	0.0075	0.9	0.72182	0.899687	0.804329	0.99493	0.99788	
Ru3_032401_5166_20	-0.9	-0.68	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	
Ru3_032401_5166_21	-0.36	0	-0.13	-0.51	-0.11	-1.23	-0.16	-0.6	-0.81	-0.51	-0.25	-1.32	-1.26	-0.21	-0.51	-0.1	-0.1	-0.0975	-0.27	0.418721	0.60904	0.74053	0.99493	0.99788	
Ru3_032401_5166_22	0.49	0.77	1.41	1.39	0.63	0.11	1.15	0.17	0.52	1.59	1.12	0.4	0.77	1.22	1.11	-0.3025	-0.16	0.14	0.167616	0.40815	0.847008	0.98923	0.99788	0.99519	
Ru3_032401_5166_23	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	
Ru3_032401_5166_24	1.39	-1.36	-1.49	-0.81	-0.71	-1.6	-0.12	-0.47	-1.34	-1.39	-1.3	0.09	-0.76	-0.74	-0.75	-0.92	-0.5375	0.0025	0.47	0.99574	0.151286	0.804034	0.98923	0.99788	
Ru3_032401_5166_25	1.49	4.85	3.49	2.22	3.68	4.7	3.2	3.35	4.07	4.62	1.32	3.18	0.37	4.7	3.57	4	0.1625	-1.115	0.1	0.160769	0.749434	0.48441	0.99562	0.99788	
Ru3_032401_5166_26	-1.75	-3.99	-3.52	-3.33	-2.71	-5.02	-3.78	-4.21	-4.19	-2.77	-2.72	-3.54	-2.15	-4.03	-1.23	-1.73	0.7125	0.8425	0.8625	0.143116	0.79343	0.12057	0.99493	0.99788	
Ru3_032401_5166_27	0.48	-0.29	-0.56	-0.79	-0.39	-1.86	-2.34	-1.79	-0.23	-1.36	-0.42	-0.98	-0.12	-0.87	-0.51	-1.2	-0.325	0.2975	0.385	0.533791	0.46489	0.42124	0.99788	0.99466	
Ru3_032401_5166_28	2.79	0.86	0.95	1.61	1.06	1.73	1.41	1.58	0.64	2.03	0.8	1.17	0.24	0.43	1.17	-1.1	-1.075	-0.3925	-0.9075	0.86232	0.808589	0.448457	0.99562	0.99788	
Ru3_032401_5166_29	2.91	1.14	1.93	2.15	0.48	1.96	1.51	2.51	2.7	3.09	3.08	1.76	1.64	1.42	1.39	0.98	0.4715	0.6125	0.54	0.24371	0.420525	0.20217	0.98923	0.99788	
Ru3_032401_5166_30	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	-0.49	
Ru3_032401_5166_31	-0.14	0.23	0	0.19	0.48	-0.16	0.39	0.26	-0.46	0.34	-0.37	0.17	-0.57	0.34	0.35	0.55	0.1725	-0.15	0.0975	0.757633	0.407075	0.584703	0.98923	0.99788	
Ru3_032401_5166_32	-0.05	0.53	0.57	0.24	0.51	-0.09	0.7	0.19	0.09	0.34	0.21	0.4	0.42	0.65	0.5	0.52	0.0095	0.2	0.44326	0.989136	0.17751	0.99788	0.99466	0.99507	
Ru3_032401_5166_33	0.97	0.48	0.61	0.3	1.3	0.36	0.16	0.12	0.09	0.02	0.03	0.62	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	
Ru3_032401_5166_34	-0.58	-0.49	-0.56	-0.96	-0.79	-1.04	-0.47	-1.23	-0.42	0.69	0.3	0.38	0.12	-0.25	0.64	0.0675	-0.3735	-0.3	0.419988	0.93089	0.84862	0.99493	0.99788	0.99466	
Ru3_032401_5166_35	1.4	1.09	-0.08	0.68	0.57	0.41	0.46	0.78	0.62	0.82	0.71	0.46	0.78	1.47	0.53	0.23	-0.17	-0.12	0.02	0.961633	0.562029	0.72957	0.98923	0.99788	
Ru3_032401_5166_36	-0.48	-0.59	-0.48	-0.59	-0.48	-0.59	-0.48	-0.59	-0.48	-0.59	-0.48	-0.59	-0.48	-0.59	-0.48	-0.59	-0.48	-0.59	-0.48	-0.59	-0.48	-0.59	-0.48	-0.59	
Ru3_032401_5166_37	0.92	1	1.23	0.6	0.5	0.46	0.8	0.92	0.17	0.75	-0.12	0.78	-0.17	-0.16	1.18	1.41	-0.76	-0.5425	-0.7275	0.40242	0.78992	0.09477	0.98923	0.99788	
Ru3_032401_5166_38	0.06	0.4	0.76	0.36	0.12	-0.31	0.21	0.03	0.04	0.19	0.86	0.36	1.01	0.04	0.67	0.49	-0.3625	0.0325	0.175	0.086545	0.145454	0.97614	0.98923	0.99788	
Ru3_032401_5166_39	0.66	0.5																							

[illegible]

Sic88a1_C8KP7_S53.1	Sic88a1_C8	0.4	0.31	1.26	0.61	0.99	0.48	0.68	0.92	0.14	0.14	2.28	1.56	0.39	0.95	1.33	0.81	0.1225	0.385	0.225	0.501002	0.661396	0.4788	0.909434	0.997988	0.994666
Sic88a2_C8RWV0_S28.1	Sic88a2_C8	0.07	0.18	0.79	0.18	0.07	0.18	0.07	0.18	0.07	0.18	0.07	0.18	0.07	0.18	0.07	0.18	0.07	0.18	0.07	0.18	0.07	0.18	0.07	0.18	0.07
Sic89a10_C8P5F6_S537.1	Sic89a10_C8	1.01	0.31	0.02	0.08	0.3	0.71	-0.18	0.01	0.65	0.34	0.33	0.07	1.08	0.29	0.37	0	0.105	-0.0425	0.08	0.20148	0.0566	0.889738	0.997988	0.994666	
Sic89a10_C8P5F6_S539.1	Sic89a10_C8	-0.08	0.53	-1.38	-0.89	0.55	-0.16	-0.55	-0.97	-0.08	0.14	-2.44	-1.32	-0.46	0.5	-2.1	-1.13	-0.225	-0.32	-0.8925	-0.25033	0.719884	0.43094	0.919762	0.997988	
Sic89a10_C8P5F6_S539.1	Sic89a10_C8	2.58	0.12	0.25	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	-0.45	-0.29	0.01	-1.49	-0.72	0.47	-1.32	-0.84	0.12	1.5	-0.97	-0.74	0.68	-1.46	0.5	-0.47	0.4575	0.2875	0.6225	0.208091	0.91491	0.481575	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	-0.1	0.66	0.63	0.25	0.39	0.55	-0.06	0.1	0.77	0.84	0.05	0.5	0.74	0.46	0.83	0.32	-0.165	0.4	0.2275	0.486027	0.557458	0.137365	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.81	1.3	0.56	0.84	1.48	0.48	0.61	0.4	0.92	1.37	1.21	0.96	0.01	1.18	1.14	0.91	-0.135	0.2375	-0.0675	0.845283	0.646592	0.386804	0.991277	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	-0.13	0.02	0.13	-0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	-0.12	0.35	-0.09	0.18	0.29	0.55	0.82	-0.24	0.62	0.54	0.07	0.01	0.98	0.54	0.4	0.19	0.275	0.225	0.4475	0.134513	0.374712	0.389839	0.997988	0.994666	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.1	0.12	0.01	1.42	-0.11	0.49	0.32	1.55	0.5	1.8	1.58	0.92	0.78	0.73	1.15	0.53	0.025	0.255	0.2575	0.48892	0.595196	0.596431	0.997988	0.994666	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	-0.15	0.47	-0.15	0.1	0.41	-0.15	0.32	0.14	-0.13	0.07	0.27	0.16	-0.36	0.05	0.09	0.31	0.1125	0.025	0.105	0.781315	0.652314	0.919332	0.999434	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	-0.67	-0.17	-0.67	-0.17	-0.67	-0.17	-0.67	-0.17	-0.67	-0.17	-0.67	-0.17	-0.67	-0.17	-0.67	-0.17	-0.67	-0.17	-0.67	-0.17	-0.67	-0.17	-0.67	-0.17	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.41	1.12	0.53	0.95	0.7	1.02	0.44	0.69	0.37	0.67	1.24	0.79	0.26	0.67	0.72	0.57	0.04	0.015	0.0175	0.488322	0.876443	0.598915	0.997988	0.994666	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.293	0.85	1.44	2.36	2.16	3	1.86	2.62	1.88	1.65	1.29	2.14	-0.75	1.28	0.62	1.35	0.515	-0.155	1.27	0.061917	0.340808	0.741422	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	-1.53	-2.72	-1.04	-1.08	-1.61	-1.18	-1.31	-2.37	-2.08	-1.53	-1.32	-0.97	-0.8	-0.44	-2.11	0.8425	0.5675	0.3	0.42104	0.011214	0.300359	0.989223	0.997988	0.994666	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.42	2.78	3.32	0.72	3.14	4.9	3.23	2.31	-0.63	3.76	-1.63	2.74	1.35	-3.68	3.81	3.96	0.685	-1.65	-1.35	1.201191	0.339106	0.22383	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	-0.62	0.04	2.02	1.7	0.09	-0.45	1.32	0.38	-0.54	-0.73	-0.12	-0.05	-0.48	-0.69	1.02	0.37	0.4	-1.125	0.7	0.13073	0.515949	0.951519	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	1.44	1.74	1.38	0.07	1.47	1.27	1.01	1.07	1.67	1.24	1.79	1.51	1.09	0.91	1.31	0.27	-0.08	-0.8075	0.17348	0.454345	0.74627	0.989223	0.997988	0.994666	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.137	1.8	0.97	0.86	2.17	1.63	0.81	0.73	1.03	1.35	0.83	0.48	0.7	1.78	0.56	0.78	0.085	-0.4525	-0.295	0.438484	0.828477	0.204488	0.997988	0.994666	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.09	0.26	-0.06	-0.79	0.34	-0.59	-1.42	-0.06	0.4	-0.29	-0.52	1.11	-0.4	-0.73	0.05	0.41	-0.0025	0.2325	0.996665	0.307159	0.540406	0.989223	0.997988	0.994666	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335	-0.2825	-0.7075	0.072643	0.313687	0.415202	0.989223	0.997988	
Sic89a10_C8P5F6_S542.1	Sic89a10_C8	0.62	0.93	0.12	0.65	0.89	0.42	-0.18	-0.15	0.68	0.48	0.54	-0.51	-0.6	-0.64	0.29	0.44	-0.335								

Srmm2_Q88T87_S1278r.1	Srmm2_Q88r	-0.71	-0.55	-0.78	-1.25	-0.98	-1.37	-1.43	-0.96	-1.34	-1.51	-0.83	-1.44	0.01	-0.56	0.85	-1.2	-0.8625	0.4575	0.1725	0.609101	0.172016	0.118836	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S1300r.1	Srmm2_Q88r	0	0.1	-0.02	-0.12	-0.08	-0.24	-0.16	-0.04	-0.12	-0.11	-0.02	-0.11	0.02	-0.19	0.0225	-0.19	-0.1375	0.107123	0.310893	0.450211	0.366	0.997988	0.999129	0.999129		
Srmm2_Q88T87_S1309r.1	Srmm2_Q88r	0.54	0.32	0.85	-1.04	0.56	-0.29	1.06	0.01	-0.03	0.21	-1.44	0.18	0.05	-0.49	-1.18	-0.11	-0.1675	0.289349	0.724727	0.57732	0.995347	0.997988	0.999129	0.999129		
Srmm2_Q88T87_S1310r.1	Srmm2_Q88r	0.86	0.41	0.3	0.21	-0.07	-0.09	1.11	0.49	-0.38	-0.24	0.07	0.1	0.41	0.46	-0.29	-0.19	-0.335	-0.615	-0.2025	0.479967	0.205006	0.031279	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S1317r.1	Srmm2_Q88r	0.57	0.45	0.57	-0.45	-0.14	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04		
Srmm2_Q88T87_S1318r.1	Srmm2_Q88r	1.07	0.77	0.23	-0.05	-0.06	-0.12	-0.52	0.32	0.03	0.11	-1.2	-0.36	1.55	-0.59	-0.02	-0.05	-0.4	-0.86	-0.2775	0.586649	0.025685	0.051975	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S1319r.1	Srmm2_Q88r	0.33	-0.14	-0.72	-0.53	-1.43	-0.06	-1.25	-0.33	0.13	-1.31	-1.75	-0.81	1.08	-1.46	-0.19	-0.59	-0.5025	-0.67	-0.025	0.968229	0.223131	0.159831	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S1410r.1	Srmm2_Q88r	0.55	0.14	-1.09	-0.24	-0.85	0.35	-1.81	-0.96	0.74	-0.55	-0.75	-0.56	1.73	-0.65	-0.69	-0.5	-0.6575	-1.12	-0.1325	0.830983	0.222612	0.121259	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S1411r.1	Srmm2_Q88r	4.86	2.43	4.86	2.43	4.86	2.43	4.86	2.43	4.86	2.43	4.86	2.43	4.86	2.43	4.86	2.43	4.86	2.43	4.86	2.43	4.86	2.43	4.86	2.43		
Srmm2_Q88T87_S1415r.3	Srmm2_Q88r	1.58	2.53	0.96	-0.4	-3.02	-2.41	-1.06	-0.38	3.06	0.35	1.53	0.11	0.77	1.65	1.2	0.94	-1.49	-0.095	-0.2672	0.20481	0.970004	0.989823	0.997988	0.999129		
Srmm2_Q88T87_S1415r.9	Srmm2_Q88r	0.19	0.19	0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19		
Srmm2_Q88T87_S1416r.2	Srmm2_Q88r	1.06	0.87	0.9	0.139	-0.47	0.64	0.06	1.86	0.49	0.19	0.58	1.1	0.3	-0.04	1.36	0.6	-0.5325	-0.465	-0.5	0.176772	0.208483	0.11946	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S1416r.9	Srmm2_Q88r	0.91	1.18	0.08	-0.2	-0.51	0.14	-0.05	0.17	-0.4	-0.32	-0.11	0.83	-0.2	0.4	-0.53	-0.5325	-0.465	-0.5	0.176772	0.208483	0.11946	0.989823	0.997988	0.999129		
Srmm2_Q88T87_S1416r.1	Srmm2_Q88r	0.91	0.91	0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91		
Srmm2_Q88T87_S1418r.1	Srmm2_Q88r	-0.13	-1.6	-1.12	-3.59	-2.3	0.38	-0.82	-0.37	2.75	-1.21	-2.19	-0.18	-0.23	-0.43	-2.46	2.86	1.73	0.8325	1.4025	0.335	0.169393	0.134808	0.236542	0.989823	0.997988	0.999129
Srmm2_Q88T87_S2075r.1	Srmm2_Q88r	-0.32	0.3	-0.53	-0.69	-1.34	-0.34	-0.73	-0.53	-1.34	-1.15	-1.17	-0.54	-0.16	-0.36	-0.41	-1.53	-0.225	-0.59	-0.155	0.661266	0.380203	0.046983	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S2084r.1	Srmm2_Q88r	0.17	0.81	0.3	-0.26	-0.32	-0.16	-0.47	0.59	0.44	0.59	0.44	0.59	0.44	0.59	0.44	0.59	0.44	0.59	0.44	0.59	0.44	0.59	0.44	0.59		
Srmm2_Q88T87_S2224r.1	Srmm2_Q88r	0.65	1.08	0.73	1.04	-0.24	0.58	0.95	1.15	0.15	0.48	1.41	0.92	0.12	-0.3	0.93	0.88	-0.265	-0.335	-0.425	0.235208	0.43554	0.764742	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S2351r.1	Srmm2_Q88r	0.59	0.07	0.42	-0.02	-0.6	-0.15	-0.35	-0.48	0.23	-0.5	0.13	0.12	0.54	0.22	0.03	-0.59	-0.3675	-0.2825	-0.275	0.448234	0.255723	0.315502	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S2356r.1	Srmm2_Q88r	1.01	0.25	0.17	-0.07	-0.49	0.38	-0.58	-0.59	-0.31	0.53	0.68	0.03	-0.13	0.07	-0.58	-0.39	-0.3975	-0.6325	-0.73314	0.308204	0.386423	0.989823	0.997988	0.999129		
Srmm2_Q88T87_S2381r.1	Srmm2_Q88r	0.27	-0.14	-1.29	-0.82	-1.37	-1.93	-1.39	-0.37	2.08	-0.77	-2.62	-0.72	2.94	-0.35	-0.76	-0.99	-0.77	-0.0125	-0.705	0.42553	0.109608	0.989808	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S2404r.1	Srmm2_Q88r	0.84	0.23	0.44	-0.46	-0.5	0.84	-0.07	0.65	-0.32	0.67	0.32	0.26	0.02	-0.23	0.23	0.1	-0.2625	-0.26	-0.405	0.100582	0.405452	0.377373	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S2525r.1	Srmm2_Q88r	1.25	0.66	-0.05	0.24	0.79	-0.22	0.45	0.39	0.17	-0.32	0.93	0.69	0.01	-0.28	0.29	0.2375	-0.1625	-0.1625	0.704519	0.459893	0.920447	0.989823	0.997988	0.999129		
Srmm2_Q88T87_S2624r.1	Srmm2_Q88r	0.35	0.53	-0.04	-0.27	-0.29	-0.27	-0.55	0.78	0.12	-0.48	0.72	0.09	0.59	0.68	-0.47	-1.14	-0.225	-0.03	0.00785	0.986831	0.523992	0.972431	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S2646r.1	Srmm2_Q88r	0.07	0.12	-1.17	-1.07	-0.09	0.03	-1.05	-1.05	-1	-0.7	0.02	-1.38	-0.46	0.57	0.83	-1.5	-0.0975	-0.1275	-0.0825	0.883466	0.893636	0.796319	0.995762	0.997988	0.999129	
Srmm2_Q88T87_S2646r.1	Srmm2_Q88r	1.31	0.66	0.04	0.47	0.04	0.76	0.01	-0.24	0.36	0.02	0.62	0.53	0.42	-0.02	0.35	-0.35	-0.375	-0.103156	0.20465	0.077065	0.989823	0.997988	0.999129	0.999129		
Srmm2_Q88T87_S2656r.1	Srmm2_Q88r	0.53	0.28	0.4	0.02	-0.84	0.27	-1.16	-0.02	0.81	-0.54	-0.74	-1.28	1.56	-1.01	-0.11	-0.54	-0.735	-0.495	-0.3325	0.883466	0.063655	0.202998	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S2656r.2	Srmm2_Q88r	0.75	0.27	0.6	0.25	-0.81	-0.34	-1.06	-0.01	1.51	-0.83	-0.82	0.1	1.43	-0.86	-0.11	-0.12	-0.8525	-0.4775	-0.2675	0.703056	0.035056	0.762697	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S2656r.1	Srmm2_Q88r	0.25	0.75	0.25	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75		
Srmm2_Q88T87_S2681r.1	Srmm2_Q88r	-1.48	1.15	-2.91	-2.33	-2.59	-2.02	-2	-1.55	3.85	-3.55	-1.56	-1.35	-1.58	-2.74	3.23	-1.33	-0.4275	-1.815	3.0525	0.124169	0.310732	0.21631	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S3331r.1	Srmm2_Q88r	0.04	-0.49	-0.53	-0.67	-1.74	-0.27	-1.31	-0.82	0.66	-1.24	-0.88	-0.47	1.68	-1.46	-0.14	-1.18	-0.6225	-0.07	0.2075	0.754401	0.103976	0.703051	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S3349r.1	Srmm2_Q88r	0.1	0.1	1.03	0.1	1.03	0.1	1.03	0.1	1.03	0.1	1.03	0.1	1.03	0.1	1.03	0.1	1.03	0.1	1.03	0.1	1.03	0.1	1.03	0.1		
Srmm2_Q88T87_S3349r.1	Srmm2_Q88r	0.81	0.32	0.38	0.19	-0.35	-0.24	-0.44	-0.59	-0.38	-0.54	-0.15	-0.18	-0.07	-0.1	0.06	-0.39	-0.56625	-0.39	0.09891	0.099306	0.303276	0.989823	0.997988	0.999129		
Srmm2_Q88T87_S3511r.1	Srmm2_Q88r	0.64	0.26	0.44	0.29	0.4	0.28	0.1	0.5	0.85	-0.1	0.32	-0.27	1.35	1.01	0.69	-0.06	-0.1375	-0.0725	-0.34	0.37891	0.504064	0.78658	0.989823	0.997988	0.999129	
Srmm2_Q88T87_S3511r.1	Srmm2_Q88r	0.81	0.32	0.38	0.19	-0.35	-0.24	-0.44	-0.59	-0.38	-0.54	-0.15	-0.18	-0.07	-0.1	0.06	-0.39	-0.56625	-0.39	0.09891	0.099306	0.303276	0.989823	0.997988	0.999129		
Srmm2_Q88T87_S3511r.1	Srmm2_Q88r	0.81	0.32	0.38	0.19	-0.35	-0.24	-0.44	-0.59	-0.38	-0.54	-0.15	-0.18	-0.07	-0.1	0.06	-0.39	-0.56625	-0.39	0.09891	0.099306	0.303276	0.989823	0.997988	0.999129		
Srmm2_Q88T87_S3511r.1	Srmm2_Q88r	0.81	0.32	0.38	0.19	-0.35	-0.24	-0.44	-0.59	-0.38	-0.54	-0.15	-0.18	-0.07	-0.1	0.06	-0.39	-0.56625	-0.39	0.09891	0.099306	0.303276	0.989823	0.997988	0.999129		
Srmm2_Q88T87_S3511r.1	Srmm2_Q88r	0.81	0.32	0.38	0.19	-0.35	-0.24	-0.44	-0.59	-0.38	-0.54	-0.15	-0.18	-0.07	-0.1	0.06	-0.39	-0.56625	-0.39	0.09891	0.099306	0.303276	0.989823	0.997988	0.999129		
Srmm2_Q88T87_S3511r.1	Srmm2_Q88r	0.81	0.32	0.38	0.19	-0.35	-0.24	-0.44	-0.59	-0.38	-0.54	-0.15	-0.18	-0.07	-0.1	0.06	-0.39	-0.56625	-0.39	0.09891	0.099306	0.303276	0.989823	0.997988	0.999129		
Srmm2_Q88T87_S3511r.1	Srmm2_Q88r	0.81	0.32	0.38	0.19	-0.35	-0.24	-0.44	-0.59	-0.38	-0.54	-0.15	-0.18	-0.07	-0.1	0.06	-0.39	-0.56625	-0.39	0.09891	0.099306	0.303276	0.989823	0.997988	0.999129		
Srmm2_Q88T87_S3511r.1	Srmm2_Q88r	0.81	0.32	0.38	0.19	-0.35	-0.24	-0.44	-0.59	-0.38	-0.54	-0.15	-0.18	-0.07	-0.1	0.06	-0.39	-0.56625	-0.39	0.09891	0.099306	0.303276	0.989823	0.997988	0.999129		
Srmm2_Q88T87_S3511r.1	Srmm2_Q88r	0.81	0.32	0.38	0.19	-0.35	-0.24	-0.44	-0.59	-0.38	-0.54	-0.15	-0.18	-0.07	-0.1	0.06	-0.39	-0.56625	-0.39	0.09891	0.099306	0.303276	0.989823	0.997988	0.999129		
Srmm2_Q88T87_S3511r.1	Srmm2_Q88r	0.81	0.32	0.38	0.19	-0.35	-0.24	-0.44	-0.59	-0.38	-0.54	-0.15	-0.18	-0.07	-0.1	0.06	-0.39	-0.56625	-0.39	0.09891	0.099306	0.303276	0.989823	0.997988	0.999129		
Srmm2_Q88T87_S3511r.1	Srmm2_Q88r	0.81	0.32	0.38	0.19	-0.35	-0.24	-0.44	-0.59	-0.38	-0.54	-0.15	-0.18	-0.07	-0.1	0.06	-0.39	-0.56625	-0.39	0.09891	0.099306	0.303276	0.989823	0.997988	0.999129		
Srmm2_Q88T87_S3511r.1	Srmm2_Q88r	0.81	0.32	0.38	0.1																						

Stnbp1_00	0.01	-1.51	2.52	0.67	-1.16	-0.11	-0.88	0.14	-1.76	-1.42	-0.41	1.45	-1.37	-0.99	-2.73	-1.99	0.8975	0.1375	0.0975	0.288171	0.27242	0.80454	0.88223	0.97988	0.94666
Stnbp1_00	1.66	0.92	1.67	2.07	0.03	1.63	0.9	1.84	1.69	1.71	1.79	1.49	0.89	0.27	1.15	1.23	-0.405	-0.695	-0.7238	0.2906	0.34	0.89223	0.97988	0.94666	
Stnbp1_00	0.39	0.68	0.34	0.2	0.58	0.31	0.55	0.03	0.32	0.45	0.32	0.16	0.42	0.26	0.36	0.26	-0.0005	-0.2325	-0.00057	0.088193	0.16752	0.99649	0.97988	0.94666	
Stnbp1_00	1.87	2.1	1.87	2.1	1.87	2.1	1.87	2.1	1.87	2.1	1.87	2.1	1.87	2.1	1.87	2.1	0.709	0.71	0.709	0.71	0.709	0.71	0.709	0.71	0.709
Stnbp1_00	0.79	0.6	0.67	1.27	0.22	0.69	0.62	1.61	0.11	0.04	0.59	0.92	-0.35	-0.08	0.425	-0.1175	-0.7275	-0.00567	0.77679	0.75564	0.95676	0.97988	0.94666		
Stnbp1_00	0.79	0.6	0.67	1.27	0.22	0.69	0.62	1.61	0.11	0.04	0.59	0.92	-0.35	-0.08	0.425	-0.1175	-0.7275	-0.00567	0.77679	0.75564	0.95676	0.97988	0.94666		
Stnbp1_00	0.79	0.6	0.67	1.27	0.22	0.69	0.62	1.61	0.11	0.04	0.59	0.92	-0.35	-0.08	0.425	-0.1175	-0.7275	-0.00567	0.77679	0.75564	0.95676	0.97988	0.94666		
Stnbp1_00	0.79	0.6	0.67	1.27	0.22	0.69	0.62	1.61	0.11	0.04	0.59	0.92	-0.35	-0.08	0.425	-0.1175	-0.7275	-0.00567	0.77679	0.75564	0.95676	0.97988	0.94666		
Stnbp1_00	0.79	0.6	0.67	1.27	0.22	0.69	0.62	1.61	0.11	0.04	0.59	0.92	-0.35	-0.08	0.425	-0.1175	-0.7275	-0.00567	0.77679	0.75564	0.95676	0.97988	0.94666		
Stnbp1_00	0.79	0.6	0.67	1.27	0.22	0.69	0.62	1.61	0.11	0.04	0.59	0.92	-0.35	-0.08	0.425	-0.1175	-0.7275	-0.00567	0.77679	0.75564	0.95676	0.97988	0.94666		
Stnbp1_00	0.79	0.6	0.67	1.27	0.22	0.69	0.62	1.61	0.11	0.04	0.59	0.92	-0.35	-0.08	0.425	-0.1175	-0.7275	-0.00567	0.77679	0.75564	0.95676	0.97988	0.94666		
Stnbp1_00	0.79	0.6	0.67	1.27	0.22	0.69	0.62	1.61	0.11	0.04	0.59	0.92	-0.35	-0.08	0.425	-0.1175	-0.7275	-0.00567	0.77679	0.75564	0.95676	0.97988	0.94666		
Stnbp1_00	0.79	0.6	0.67	1.27	0.22	0.69	0.62	1.61	0.11	0.04	0.59	0.92	-0.35	-0.08	0.425	-0.1175	-0.7275	-0.00567	0.77679	0.75564	0.95676	0.97988	0.94666		
Stnbp1_00	0.79	0.6	0.67	1.27	0.22	0.69	0.62	1.61	0.11	0.04	0.59	0.92	-0.35	-0.08	0.425	-0.1175	-0.7275	-0.00567	0.77679	0.75564	0.95676	0.97988	0.94666		
Stnbp1_00	0.79	0.6	0.67	1.27	0.22	0.69	0.62	1.61	0.11	0.04	0.59	0.92	-0.35	-0.08	0.425	-0.1175	-0.7275	-0.00567	0.77679	0.75564	0.95676	0.97988	0.94666		
Stnbp1_00	0.79	0.6	0.67	1.27	0.22	0.69	0.62	1.61	0.11	0.04	0.59	0.92	-0.35	-0.08	0.425	-0.1175	-0.7275	-0.00567	0.77679	0.75564	0.95676	0.97988	0.94666		
Stnbp1_00	0.79	0.6	0.67	1.27	0.22	0.69	0.62	1.61	0.11	0.04	0.59	0.92	-0.35	-0.08	0.425										

Sv11t_00903_51319_1	Sv11t_00903_0.33	-0.05	0.51	0.44	0.11	0.2	1.14	0.61	0.12	0.33	0.24	0.41	0.15	0.37	0.78	0.9125	-0.0475	0.05	0.727505	0.521105	0.863870	0.988023	0.978888	0.99171	
Sv11t_00904_043	Sv11t_00904_0.04	1.06	0.04	1.58	0.09	0.27	1	0.67	0.36	0.89	0.58	0.48	-0.37	0.33	0.76	0.87	0.04	-0.0425	0.2225	0.525005	0.826089	0.986993	0.978888	0.994666	
Sv11t_00908_145	Sv11t_00908_1.45	-2.71	-0.74	-1.25	-0.33	-0.71	-1.35	-2.02	-0.64	-1.98	-0.53	0.91	1.45	-1.12	1.39	-0.77	0.78	0.7805	0.009374	0.22146	0.515976	0.978888	0.978888	1	
Sv11t_00910_016	Sv11t_00910_0.16	-0.32	-0.16	-0.17	-0.08	-0.11	-0.39	-0.11	-0.39	-0.11	-0.39	0.11	0.12	-0.12	0.39	-0.07	0.11	-0.0675	-0.11	0.0075	0.0075	0.0075	0.0075	0.0075	
Sv11t_00914_51319_2	Sv11t_00914_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00921_51319_2	Sv11t_00921_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00927_51319_2	Sv11t_00927_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00930_51319_2	Sv11t_00930_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00937_51319_2	Sv11t_00937_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00940_51319_2	Sv11t_00940_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00943_51319_2	Sv11t_00943_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00946_51319_2	Sv11t_00946_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00949_51319_2	Sv11t_00949_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00952_51319_2	Sv11t_00952_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00955_51319_2	Sv11t_00955_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00958_51319_2	Sv11t_00958_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00961_51319_2	Sv11t_00961_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00964_51319_2	Sv11t_00964_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00967_51319_2	Sv11t_00967_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00970_51319_2	Sv11t_00970_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00973_51319_2	Sv11t_00973_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00976_51319_2	Sv11t_00976_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00979_51319_2	Sv11t_00979_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00982_51319_2	Sv11t_00982_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00985_51319_2	Sv11t_00985_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00988_51319_2	Sv11t_00988_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00991_51319_2	Sv11t_00991_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00994_51319_2	Sv11t_00994_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_00997_51319_2	Sv11t_00997_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_01000_51319_2	Sv11t_01000_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_01003_51319_2	Sv11t_01003_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_01006_51319_2	Sv11t_01006_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_01009_51319_2	Sv11t_01009_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_01012_51319_2	Sv11t_01012_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_01015_51319_2	Sv11t_01015_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_01018_51319_2	Sv11t_01018_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_01021_51319_2	Sv11t_01021_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_01024_51319_2	Sv11t_01024_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_01027_51319_2	Sv11t_01027_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_01030_51319_2	Sv11t_01030_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_01033_51319_2	Sv11t_01033_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_01036_51319_2	Sv11t_01036_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_01039_51319_2	Sv11t_01039_0.51	1.94	1.67	0.81	-0.55	1.51	0.52	0.75	2.48	0.86	1.46	0.36	1.64	-0.1	1.09	1.28	0.5725	0.16	0.1525	0.7148	0.211706	0.734423	0.980223	0.978888	0.990666
Sv11t_01042_51319_2	Sv11t_01042_0.51	1.94	1.67	0.81																					

Thrap1_OS	1.5	1.17	0.96	0.0	0.59	0.95	0.47	1.35	1	0.77	0.65	1.86	1.03	0.57	0.15	0.34	-0.085	0.215	767326	2228758	775667	308022	1998228	1998988	199971
Thrap1_OS	0.35	0.56	0.01	-0.38	-0.16	-0.04	-0.95	-0.8	-0.09	-0.02	-0.07	-0.48	-0.61	-0.24	-0.13	-0.49	-0.6225	0.3	-0.2575	-0.4875	-0.77889	-0.30402	-0.89222	-0.99888	-0.99888
Thrap1_OS	-0.46	-0.78	-0.92	-1.76	-1.64	-0.66	-1.23	-1.04	2.08	-0.75	-3.51	-1.01	3.14	-1	-0.3	-1.49	-1625	0.1825	12175	21510.64	1860274	680274	1998228	1998988	-0.99888
Thrap1_OS	0.1	0.56	0.01	-0.38	-0.16	-0.04	-0.95	-0.8	-0.09	-0.02	-0.07	-0.48	-0.61	-0.24	-0.13	-0.49	-0.6225	0.3	-0.2575	-0.4875	-0.77889	-0.30402	-0.89222	-0.99888	
Thrap1_OS	-0.41	-0.23	-0.62	-1.07	-0.64	-1.22	-1.04	-0.68	-1.22	-0.77	-0.98	-1.24	-0.92	-1.03	-1.44	-0.325	-0.795	-0.8	-0.04586	-0.26580	-0.80786	-0.89222	-0.99888	-0.99888	
Thrap1_OS	2.86	0.67	0.47	0.61	0.45	2.08	0.99	0.33	0.4	1.96	-1.21	0.01	-2.19	0.24	0.35	-0.47	-0.11575	-0.695	-0.38239	-0.54741	-0.92926	-0.89222	-0.99888	-0.99888	
Thrap1_OS	0.74	0.01	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	
Thrap1_OS	9.94	1.14	0.54	2.04	5.62	3.9	5.99	1.52	0.77	1.77	1.89	-1.27	1	1.54	0.77	-0.99	1.0275	-1.555	-0.22324	-0.54909	-0.34593	-0.99222	-0.99888	-0.99888	
Thrap1_OS	0.57	0.32	-0.16	0.13	-0.05	0.13	-0.25	0.43	-0.7	-0.41	-1.48	-0.02	-1.31	-0.09	-0.09	-0.152	-0.15	-0.8575	-0.9125	-0.60001	-0.56782	-0.83673	-0.89222	-0.99888	
Thrap1_OS	1.5	1.83	1.12	0.81	0.77	1.07	0.42	0.87	1.22	0.89	0.73	1.11	0.04	1.52	1.11	-0.49	-0.525	-0.375	-0.54	-0.20626	-0.20935	-0.77889	-0.30402	-0.89222	
Thrap1_OS	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Tum1_G3W2	5519.1	1	Tum1_G3	0.57	0.86	0.9	0.76	0.72	1.26	0.95	0.66	0.86	0.65	1.27	0.3	1.02	0.31	0.179	0.0875	-0.4425	-0.19547	-0.33913	-0.72037	-0.99222	-0.99888
Tum1_G3W2	5519.1	1	Tum1_G3	-0.11	-0.02	-0.46	-0.19	-0.62	-0.3	-0.41	-0.46	-0.24	-0.41	-0.39	-0.17	-0.15	-0.03	-0.2625	-0.2	0.045	-0.72918	-0.24136	-0.9321	-0.89222	-0.99888
Tum1_G3W2	5519.1	1	Tum1_G3	-0.11	-0.02	-0.46	-0.19	-0.62	-0.3	-0.41	-0.46	-0.24	-0.41	-0.39	-0.17	-0.15	-0.03	-0.2625	-0.2	0.045	-0.72918	-0.24136	-0.9321	-0.89222	
Tum1_G3W2	5519.1	1	Tum1_G3	-0.11	-0.02	-0.46	-0.19	-0.62	-0.3	-0.41	-0.46	-0.24	-0.41	-0.39	-0.17	-0.15	-0.03	-0.2625	-0.2	0.045	-0.72918	-0.24136	-0.9321	-0.89222	
Tum1_G3W2	5519.1	1	Tum1_G3	-0.11	-0.02	-0.46	-0.19	-0.62	-0.3	-0.41	-0.46	-0.24	-0.41	-0.39	-0.17	-0.15	-0.03	-0.2625	-0.2	0.045	-0.72918	-0.24136	-0.9321	-0.89222	
Tum1_G3W2	5519.1	1	Tum1_G3	-0.11	-0.02	-0.46	-0.19	-0.62	-0.3	-0.41	-0.46	-0.24	-0.41	-0.39	-0.17	-0.15	-0.03	-0.2625	-0						

Tom1_Q3UDC3_54001..	Tom1_Q3U1	-1.57	-2.08	-0.53	-1.96	-0.61	-0.12	-0.22	-0.77	-0.44	-1.22	0.66	0.18	0.64	-0.79	0.27	0.07	1.105	1.33	1.5825	0.005857	0.014825	0.025076	0.089223	0.997988	0.994666
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.21	-0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.04	0.8	0.04	0.05	0.33	0.27	0.28	0.05	-0.01	0.71	0.6	0.48	0.38	0.46	0.19	0.34	0.045	0.2575	0.155	0.00426	0.86346	0.399421	0.964949	0.997988	0.995259
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.08	0.06	-0.07	-0.11	0.42	0.01	0.15	0.2	0.82	-0.29	-1.9	0.07	0.79	-0.8	-0.3	-0.37	0.245	-0.54	-0.515	0.004346	0.250101	0.073078	0.089223	0.997988	0.994666
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.72	-0.66	0.03	0.45	-0.11	1.5	-0.01	0.95	0.97	-0.29	0.52	1.09	0.7	0.23	0.06	0.27	0.4475	0.4375	0.18	0.615921	0.340351	0.316493	0.089223	0.997988	0.995259
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.11	0.49	0.19	0.17	0.43	-0.02	0.54	0.06	0.08	0.46	0.01	0.39	0.12	0.59	0	0.09	0.025	-0.0175	0.04	0.87272	0.957233	0.840148	0.997988	0.995957	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.55	0.83	1.61	0.73	0.61	0.36	1.84	1.94	1.09	0.84	-0.07	1.86	0.28	0.14	1.55	1.57	0.3125	0.0575	0.048658	0.305446	0.570051	0.089223	0.997988	0.995957	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.68	-0.25	-0.09	-0.29	-1	-1.92	-0.28	-0.47	-1.22	-0.96	0.26	-0.38	-1.03	-0.14	-0.64	-0.18	-0.59	-0.2475	-0.1	0.578005	0.144555	0.500829	0.089223	0.997988	0.995259
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.44	0.65	-1.54	-0.94	-0.11	0.26	-1.26	-1.56	0.53	-0.14	-1.75	-1.21	-1.17	-0.81	-1.82	-1.48	-0.1	-0.075	-0.3975	-0.14321	0.861795	0.905325	0.949949	0.997988	0.994666
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.41	-1.51	0.42	-0.32	-0.12	0.81	-0.27	0.18	-0.27	0.82	-1.87	-0.25	0.43	0.7	-1.14	0.63	0.05	0.045268	0.184048	0.336019	0.089223	0.997988	0.995957	0.995259	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.31	0.14	-1.3	-0.63	-0.09	-0.45	-0.87	0.07	-0.06	-1.26	-0.97	-0.09	0.06	-1.11	-1.16	-0.15	-0.03	0.008743	0.07409	0.849409	0.928676	0.997988	0.995957	0.995259	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.44	0.65	-0.8	-0.24	-0.11	0.26	-0.58	-0.93	0.53	-0.14	-0.88	-0.53	-1.17	-0.61	-0.97	-0.54	-0.1225	-0.0475	-0.31	0.528261	0.772414	0.910388	0.997988	0.995957	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.69	-0.02	1.17	1.3	-1.24	-0.88	-0.47	0.31	0.48	0.57	0.24	0.95	1.51	-0.68	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	1.64	0.69	0.44	0.32	-0.48	1.18	-0.56	0.5	0.66	1.48	0.61	0.38	1.29	0.45	0.56	1.05	-0.8625	0.01	0.6	0.73827	0.097272	0.79312	0.089223	0.997988	0.9971
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.51	0.15	0.42	0.66	0.56	0.17	0.71	0.58	-0.03	0.66	0.63	0.43	0.5	-0.16	-1.1	0.61	1.4	0.0625	0.1525	0.660928	0.581029	0.827051	0.089223	0.997988	0.995671
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-1.57	-0.54	-0.31	-1.25	-1	-1.42	-1.73	-1.84	-0.61	-1.25	-0.44	-1.1	0.04	-0.88	-0.11	-0.48	0.0675	0.535	0.187207	0.12442	0.82644	0.089223	0.997988	0.994666	0.994666
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.69	-0.02	1.17	1.3	-1.24	-0.88	-0.47	0.31	0.48	0.57	0.24	0.95	1.51	-0.68	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	1.64	0.69	0.44	0.32	-0.48	1.18	-0.56	0.5	0.66	1.48	0.61	0.38	1.29	0.45	0.56	1.05	-0.8625	0.01	0.6	0.73827	0.097272	0.79312	0.089223	0.997988	0.9971
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.51	0.15	0.42	0.66	0.56	0.17	0.71	0.58	-0.03	0.66	0.63	0.43	0.5	-0.16	-1.1	0.61	1.4	0.0625	0.1525	0.660928	0.581029	0.827051	0.089223	0.997988	0.995671
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-1.57	-0.54	-0.31	-1.25	-1	-1.42	-1.73	-1.84	-0.61	-1.25	-0.44	-1.1	0.04	-0.88	-0.11	-0.48	0.0675	0.535	0.187207	0.12442	0.82644	0.089223	0.997988	0.994666	0.994666
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.69	-0.02	1.17	1.3	-1.24	-0.88	-0.47	0.31	0.48	0.57	0.24	0.95	1.51	-0.68	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	1.64	0.69	0.44	0.32	-0.48	1.18	-0.56	0.5	0.66	1.48	0.61	0.38	1.29	0.45	0.56	1.05	-0.8625	0.01	0.6	0.73827	0.097272	0.79312	0.089223	0.997988	0.9971
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.51	0.15	0.42	0.66	0.56	0.17	0.71	0.58	-0.03	0.66	0.63	0.43	0.5	-0.16	-1.1	0.61	1.4	0.0625	0.1525	0.660928	0.581029	0.827051	0.089223	0.997988	0.995671
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-1.57	-0.54	-0.31	-1.25	-1	-1.42	-1.73	-1.84	-0.61	-1.25	-0.44	-1.1	0.04	-0.88	-0.11	-0.48	0.0675	0.535	0.187207	0.12442	0.82644	0.089223	0.997988	0.994666	0.994666
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.69	-0.02	1.17	1.3	-1.24	-0.88	-0.47	0.31	0.48	0.57	0.24	0.95	1.51	-0.68	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	1.64	0.69	0.44	0.32	-0.48	1.18	-0.56	0.5	0.66	1.48	0.61	0.38	1.29	0.45	0.56	1.05	-0.8625	0.01	0.6	0.73827	0.097272	0.79312	0.089223	0.997988	0.9971
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.51	0.15	0.42	0.66	0.56	0.17	0.71	0.58	-0.03	0.66	0.63	0.43	0.5	-0.16	-1.1	0.61	1.4	0.0625	0.1525	0.660928	0.581029	0.827051	0.089223	0.997988	0.995671
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-1.57	-0.54	-0.31	-1.25	-1	-1.42	-1.73	-1.84	-0.61	-1.25	-0.44	-1.1	0.04	-0.88	-0.11	-0.48	0.0675	0.535	0.187207	0.12442	0.82644	0.089223	0.997988	0.994666	0.994666
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.69	-0.02	1.17	1.3	-1.24	-0.88	-0.47	0.31	0.48	0.57	0.24	0.95	1.51	-0.68	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	1.64	0.69	0.44	0.32	-0.48	1.18	-0.56	0.5	0.66	1.48	0.61	0.38	1.29	0.45	0.56	1.05	-0.8625	0.01	0.6	0.73827	0.097272	0.79312	0.089223	0.997988	0.9971
Tom1_Q3UDC3_54001..	Tom1_Q3U1	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	-0.81	
Tom1_Q3UDC3_54001..	Tom1_Q3U1	0.51	0.15	0.42	0.66	0.56	0.17	0.71	0.58	-0.03	0.66	0.63	0.43	0.5												

Tc7b_EGOPS_5180_1	Tc7b_EGOPS_5180_1	-0.52	0.6	-0.46	-2.6	-0.41	-1.89	0.46	-0.12	-0.78	-0.41	-0.71	-0.88	-0.53	-0.16	-0.43	-1.07	0.52	0.05	-0.1025	0.877788	0.1888	0.935491	0.899223	0.979888	0.999507
Tc7b_EGOPS_5180_1	Tc7b_EGOPS_5180_1	-1.34	-0.57	-0.41	-0.24	-0.25	-0.9	-0.12	-0.12	-1.1	-0.88	-0.46	-0.31	0.16	0.21	0.38	0.38	0.3525	0.1075	-0.9221	0.807788	0.30688	0.7815	0.89223	0.979888	0.999507
Tc7b_EGOPS_5180_1	Tc7b_EGOPS_5180_1	-1.37	-0.56	-0.41	-0.24	-0.25	-0.9	-0.12	-0.12	-1.1	-0.88	-0.46	-0.31	0.16	0.21	0.38	0.38	0.3525	0.1075	-0.9221	0.807788	0.30688	0.7815	0.89223	0.979888	0.999507
Tc7b_EGOPS_5629_1	Tc7b_EGOPS_5629_1	-0.03	-0.4	-0.32	0.07	0.07	0.43	0.58	0.65	0.40	0.79	-0.49	-0.19	0.72	0.09	0.28	0.26	0.3	0.0325	-0.9191	0.22672	0.275516	0.899223	0.979888	0.999507	0.999507
Tc7b_EGOPS_5630_1	Tc7b_EGOPS_5630_1	-0.04	-0.1	-0.16	0.17	0.87	0.08	0.11	0.32	0.29	0.22	0.33	0.29	0.45	0.14	0.38	0.45	0.285	0.1525	-0.115	0.05799	0.26747	0.526435	0.899223	0.979888	0.999507
Tc7b_EGOPS_5630_1	Tc7b_EGOPS_5630_1	-0.04	-0.1	-0.16	0.17	0.87	0.08	0.11	0.32	0.29	0.22	0.33	0.29	0.45	0.14	0.38	0.45	0.285	0.1525	-0.115	0.05799	0.26747	0.526435	0.899223	0.979888	0.999507
Tc7b_EGOPS_5630_1	Tc7b_EGOPS_5630_1	-0.04	-0.1	-0.16	0.17	0.87	0.08	0.11	0.32	0.29	0.22	0.33	0.29	0.45	0.14	0.38	0.45	0.285	0.1525	-0.115	0.05799	0.26747	0.526435	0.899223	0.979888	0.999507
Tc7b_EGOPS_5181_1	Tc7b_EGOPS_5181_1	-0.45	0.05	0.39	0.06	-0.35	0.53	0.08	0.14	-0.6	0.01	-0.03	0.02	0.27	0.64	0.23	0.40	-0.4175	-0.1325	-0.4575	0.123897	0.123897	0.236905	0.899223	0.979888	0.999507
Tc7b_EGOPS_5226_1	Tc7b_EGOPS_5226_1	-0.09	0.0	0.3	0.24	-0.44	-0.49	0.3	0.8	0.64	0.61	0.15	-0.44	0.28	0.18	0.52	0.27	0.81	-0.26	-0.3225	-0.069616	0.40567	0.490005	0.899223	0.979888	0.999507
Tc7b_EGOPS_5271_1	Tc7b_EGOPS_5271_1	-0.34	-0.4	-0.09	-0.17	0.17	0.26	0.16	-0.12	-0.21	0.15	0.48	-0.28	-0.46	0.01	0.415	0.46	0.355	-0.43472	-0.246138	0.243931	0.979888	0.999507	0.999507	0.999507	0.999507
Tc7b_EGOPS_5271_1	Tc7b_EGOPS_5271_1	-0.34	-0.4	-0.09	-0.17	0.17	0.26	0.16	-0.12	-0.21	0.15	0.48	-0.28	-0.46	0.01	0.415	0.46	0.355	-0.43472	-0.246138	0.243931	0.979888	0.999507	0.999507	0.999507	0.999507
Tc7b_EGOPS_5271_1	Tc7b_EGOPS_5271_1	-0.34	-0.4	-0.09	-0.17	0.17	0.26	0.16	-0.12	-0.21	0.15	0.48	-0.28	-0.46	0.01	0.415	0.46	0.355	-0.43472	-0.246138	0.243931	0.979888	0.999507	0.999507	0.999507	0.999507
Tc7b_EGOPS_5271_1	Tc7b_EGOPS_5271_1	-0.34	-0.4	-0.09	-0.17	0.17	0.26	0.16	-0.12	-0.21	0.15	0.48	-0.28	-0.46	0.01	0.415	0.46	0.355	-0.43472	-0.246138	0.243931	0.979888	0.999507	0.999507	0.999507	0.999507
Tc7b_EGOPS_5271_1	Tc7b_EGOPS_5271_1	-0.34	-0.4	-0.09	-0.17	0.17	0.26	0.16	-0.12	-0.21	0.15	0.48	-0.28	-0.46	0.01	0.415	0.46	0.355	-0.43472	-0.246138	0.243931	0.979888	0.999507	0.999507	0.999507	0.999507
T																										

WwM1_P83T1_527271_1	WwM1_P83	-0.65	0.32	-0.35	-0.61	-0.17	-0.72	-0.46	-1.11	-0.58	0.05	-0.41	-0.69	0.62	-0.31	0.51	-0.29	-0.2925	-0.085	0.2	0.581867	0.366685	0.784806	0.988223	0.997988	0.995129
WwM1_P83T1_527276_1	WwM1_P83	-0.26	0.88	-0.24	-0.52	-0.54	-0.27	-0.73	-1.03	-0.31	0.22	-0.88	-0.37	0.29	0.18	-0.29	0.18	-0.2725	-0.425	0.25	0.234672	0.3741	0.700172	0.988223	0.997988	0.995129
WwM1_P83T1_526166_1	WwM1_P83	-0.42	0.2	-0.06	0.12	0.45	-0.73	-0.08	-0.12	-1.18	-0.73	0.5	-0.66	0.78	-0.32	-0.43	-0.03	0.12	0.7775	-0.25	0.374512	0.628486	0.381446	0.964672	0.997988	0.995129
WwM1_P83T1_771_1	WwM1_P83	-0.4	-0.45	-1.49	-1.26	-0.84	-0.14	-2.19	-1.84	0.12	-0.47	-1.2	-0.8	1.72	-1.52	-0.26	-0.88	-0.8075	0.565	0.665	0.188465	0.570808	0.107572	0.988223	0.997988	0.995129
WwM2_E9Q6Q2_51219_1	WwM2_E9Q6Q2	0.81	-0.57	0.17	0.87	0.37	0.16	0.42	0.57	0.16	0.42	0.57	0.16	0.42	0.57	0.16	0.42	0.57	0.16	0.42	0.57	0.16	0.42	0.57	0.16	0.42
WwM2_E9Q6Q2_514566_1	WwM2_E9Q6Q2	0.24	-0.03	0.31	0.4	-0.1	0.22	0.62	0.54	-0.65	-0.45	0.67	0.69	-1.2	0.16	0.71	-0.35	0.09	-0.165	-0.4	0.348095	0.717027	0.661649	0.995437	0.997988	0.995129
WwM2_E9Q6Q2_516606_1	WwM2_E9Q6Q2	-0.13	0.5	0.59	0.18	0.56	0.18	0.92	0.79	-0.17	0.16	0.04	0.34	0.57	0.76	-0.81	0.06	0.5775	0.0375	-0.175	0.677861	0.088289	0.889748	0.988223	0.997988	0.995129
WwM2_E9Q6Q2_518671_1	WwM2_E9Q6Q2	-0.18	0.5	0.13	0.18	0.32	0.82	0.18	0.59	-0.33	-0.09	1.39	-0.11	0.06	0.99	-0.22	0.37	0.8075	0.2025	-0.70406	0.051352	0.48633	0.988223	0.997988	0.995129	
WwM2_E9Q6Q2_58861_1	WwM2_E9Q6Q2	2.32	1.77	2.32	1.77	2.32	1.77	2.32	1.77	2.32	1.77	2.32	1.77	2.32	1.77	2.32	1.77	2.32	1.77	2.32	1.77	2.32	1.77	2.32	1.77	
WwM2_E9Q6Q2_59901_1	WwM2_E9Q6Q2	1.86	1.99	0.37	1	1.33	2.1	0.64	1.5	1.25	1.85	-0.02	-0.07	0.5	1.21	0.43	0.31	0.7275	0.3675	-0.7575	0.22041	0.628486	0.578275	0.988223	0.997988	0.995129
WwM4_76Z79W_5173_1	WwM4_76Z79W	-0.86	-2.38	-2.44	-0.33	-2.09	-1.19	-1.98	-2.43	0.17	-2.07	-1.08	-1.31	0.58	-2.42	-0.91	-1.4	-0.42	0.4	0.465	0.52969	0.440551	0.508902	0.988223	0.997988	0.995129
WwM51_O3XUW6_51536_1	WwM51_O3XUW6	0.49	-1.24	-3.49	-1.6	-2.6	-1.32	-1.21	-0.7	-0.8	-1.32	-1.21	-0.7	-0.8	-1.32	-1.21	-0.7	-0.8	0.5525	0.125	0.12106	0.640519	0.431395	0.988223	0.997988	0.995129
WwM51_O3XUW6_54661_1	WwM51_O3XUW6	-3.04	-3.54	-1.19	-5.05	-4.22	-1.91	-1.81	-3.24	-1.68	-1.65	-1.81	-0.76	-0.38	-1.12	-1.67	0.06	1.7025	0.1725	0.082815	0.3773	0.012596	0.988223	0.997988	0.995129	
WwM51_O3XUW6_5661_1	WwM51_O3XUW6	-3.56	-3.07	-3.05	-4.54	-2.17	-4.49	-4.42	-4.3	-3.08	-2.95	-3.34	-3.86	-1.21	-1.73	-1.45	-1.18	-0.29	0.2475	0.6625	0.26286	0.625381	0.450584	0.988223	0.997988	0.995129
WwM51_O3XUW6_571_1	WwM51_O3XUW6	-3.5	-2.5	-2.5	-1.08	-1.58	-2.7	-2.98	-0.9	-1.84	-2.57	-0.83	-1.05	-0.49	-0.29	-0.43	0.4025	1.44	0.11101	0.50208	0.322993	0.988223	0.997988	0.995129		
WwM51_O3XUW6_57279_1	WwM51_O3XUW6	0.19	1.17	1.05	0.51	1	0.97	1.73	1.42	-0.18	-0.21	1.34	0.62	0.29	1.82	0.33	0.575	0.075	-0.015	0.078271	0.095049	0.404441	0.988223	0.997988	0.995129	
WwM51_O3XUW6_5891_1	WwM51_O3XUW6	-1.99	-3.12	-1.74	-1.68	-3.41	-1.96	-3.9	-2.4	-0.52	-2.21	-1.53	-1.88	-0.27	-5.02	-1.46	-1.51	-0.6575	0.6025	0.074862	0.17099	0.223184	0.988223	0.997988	0.995129	
WwM51_O3XUW6_5891_1	WwM51_O3XUW6	0.57	0.71	0.07	0.57	0.71	0.07	0.57	0.71	0.07	0.57	0.71	0.07	0.57	0.71	0.07	0.57	0.71	0.07	0.57	0.71	0.07	0.57	0.71	0.07	
WwM51_O3XUW6_5891_1	WwM51_O3XUW6	-2.06	-1.44	-0.9	-1.37	-1.47	-0.99	-1.23	-1.44	-2.17	-1.73	-0.53	-0.46	-1.72	-1.07	-0.54	-0.1675	0.605	0.162658	0.162658	0.162658	0.988223	0.997988	0.995129		
WwM51_O3XUW6_5891_1	WwM51_O3XUW6	-0.38	-0.81	0.37	-1.06	-1.08	-0.33	-0.93	-0.1	1.32	0.3	-0.21	-0.08	1.51	-2.84	0.04	-0.06	-0.31	0.4275	-0.0925	0.19404	0.388485	0.345326	0.988223	0.997988	0.995129
WwM51_O3XUW6_5891_1	WwM51_O3XUW6	0.45	0.06	0.19	0.76	0.16	0.84	-1.66	0.02	0.5	0.8	0.76	0.1	0.95	0.17	-2.04	0.79	0.085	-0.6825	0.396116	0.140404	0.741406	0.988223	0.997988	0.995129	
WwM51_O3XUW6_5891_1	WwM51_O3XUW6	0.3	0.19	0.14	0.06	0.64	0.51	0.2	-0.03	-0.05	0.59	0.26	-0.12	-0.29	0.64	-0.16	0.07	0.5175	-0.0025	0.707112	0.505218	0.991391	0.988223	0.997988	0.995129	
WwM51_O3XUW6_5891_1	WwM51_O3XUW6	0.14	0.13	0.17	0.49	0.36	0.25	0.51	0.32	-0.23	-0.49	0.28	0.22	-0.02	0.49	0.12	0.76	0.1275	0.0425	0.1	0.366773	0.540486	0.864789	0.988223	0.997988	0.995129
WwM51_O3XUW6_5891_1	WwM51_O3XUW6	-0.65	-0.94	-1.58	-0.82	-1.25	-1.33	-0.61	-0.4	-0.15	-1.47	-0.47	-0.13	-0.12	-0.31	0.375	0.105	0.765962	0.297195	0.339052	0.988223	0.997988	0.995129			
WwM51_O3XUW6_5891_1	WwM51_O3XUW6	0.2	0.71	0.89	1.28	0.12	0.5	1.05	0.66	0.22	0.77	0.8	0.99	0.89	0.65	1.22	0.74	-0.075	0.155	0.03307	0.53541	0.810098	0.988223	0.997988	0.995129	
WwM51_O3XUW6_5891_1	WwM51_O3XUW6	-0.57	-0.8	-2.27	-2.25	-0.39	-0.35	-1.34	-2.38	-0.27	-0.74	-1.53	-1.54	0.1	0.07	-1.92	-1.51	0.3575	0.4025	0.077832	0.550838	0.992617	0.988223	0.997988	0.995129	
WwM51_O3XUW6_5891_1	WwM51_O3XUW6	4.9	3.25	0.75	2.74	3.37	3.03	1.82	2.57	1.29	2.9	3.6	-0.38	1.26	2.69	1.13	1.32	0.92	-0.365	-0.125	0.177863	0.712654	0.712455	0.988223	0.997988	0.995129
WwM51_O3XUW6_5891_1	WwM51_O3XUW6	0.91	0.78	1.52	0.17	0.21	0.41	0.61	0.91	2.63	1.07	1.16	1.26	2.69	1.13	1.32	0.92	-0.365	0.05	0.1	0.200046	0.200834	0.92038	0.988223	0.997988	0.995129
WwM51_O3XUW6_5891_1	WwM51_O3XUW6	-2.19	-1.46	-1.04	-1.54	-0.03	0.16	-1.2	-1.64	-0.77	-1.14	-0.92	-0.84	0.26	0.32	-1.21	-1.61	0.895	0.8375	0.0881	0.081787	0.079663	0.988223	0.997988	0.995129	
WwM51_O3XUW6_5891_1	WwM51_O3XUW6	0.22	0.68	-0.22	0.68	-0.22	0.68	-0.22	0.68	-0.22	0.68	-0.22	0.68	-0.22	0.68	-0.22	0.68	-0.22	0.68	-0.22	0.68	-0.22	0.68	-0.22	0.68	
WwM51_O3XUW6_5891_1	WwM51_O3XUW6	0.44	0.64	0.43	0.1	0.92	0.34	0.61	0.47	0.18	0.66	0.06	0.19	0.46	0.86	0.17	-0.25	0.1825	-0.1	-0.0526	0.861944	0.47332	0.604005	0.988223	0.997988	0.995129
XpM1_O3H5O_5021_1	XpM1_O3H5O	0.49	2.26	1.61	1.03	1.24	3.03	2.7	-0.46	1.52	0.51	2.76	0.45	1.5	2.64	2.66	0.6925	-0.25	-0.0825	0.180089	0.4741	0.753472	0.988223	0.997988	0.995129	
XpM1_O3H5O_5021_1	XpM1_O3H5O	-2.41	-1.98	-2.41	-1.98	-2.41	-1.98	-2.41	-1.98	-2.41	-1.98	-2.41	-1.98	-2.41	-1.98	-2.41	-1.98	-2.41	-1.98	-2.41	-1.98	-2.41	-1.98	-2.41	-1.98	
XpM1_O3H5O_5021_1	XpM1_O3H5O	-1.69	-1.76	-1.4	-1.49	-1.54	0.05	-0.99	-1.52	-0.4	-1.55	-0.7	-0.84	1.27	-0.7	-0.3	-0.88	-0.27	-0.3525	-0.8	-0.2077	0.475782	0.758751	0.988223	0.997988	0.995129
XpM1_O3H5O_5021_1	XpM1_O3H5O	-1.45	-0.95	-0.72	-1.25	0.04	-1.78	-0.72	-0.45	-0.85	-1.58	-1.53	-1.37	0.86	-0.17	-1.44	-1.12	0.365	-0.24	0.625	0.298834	0.7321	0.404639	0.988223	0.997988	0.995129
XpM1_O3H5O_5021_1	XpM1_O3H5O	-0.21	0.5	-0.27	0.19	-0.09	-0.48	0.61	0.17	-0.31	-0.52	-0.55	0.01	-0.78	-1.03	-0.07	-0.26	0.25	-0.146	0.375	0.193331	0.40828	0.3796	0.988223	0.997988	0.995129
XpM1_O3H5O_5021_1	XpM1_O3H5O	-1.4	-1.63	-0.92	-1.1	-1.62	-0.88	-0.77	-1.62	-0.88	-0.77	-1.62	-0.88	-0.77	-1.62	-0.88	-0.77	-1.62	-0.88	-0.77	-1.62	-0.88	-0.77	-1.62	-0.88	
XpM1_O3H5O_5021_1	XpM1_O3H5O	-2.04	-1.57	-2.52	-2.97	-2.64	-1.52	-4.34	-3.16	-0.92	-1.74	-2.1	-3.35	0.12	-2.39	-2.86	-0.07	-0.64	-0.2475	0.06	0.933172	0.293575	0.615221	0.988223	0.997988	0.995129
XpM1_O3H5O_5021_1	XpM1_O3H5O	-0.68	0.2	0.05	-0.06	0.15	-0.08	-0.04	-0.48	0.36	0.19	0.41	-0.01	0.36	0.01	0.05	0.13	0.315	0.295051	-0.083511	0.609455	0.991817	0.997988	0.995129		
XpM1_O3H5O_5021_1	XpM1_O3H5O	-0.87	-0.25	-0.81	-0.77	-0.8	-0.8	-0.77	-0.8	-0.8	-0.77	-0.8	-0.8	-0.77	-0.8	-0.8	-0.77	-0.8	-0.8	-0.77	-0.8	-0.8	-0.77	-0.8	-0.8	
XpM1_O3H5O_5021_1	XpM1_O3H5O	-0.06	-0.24	-0.36	-1.84	0.19	-1.2	-1.09	-1.31	-0.95	0.55	-0.43	-0.61	0.24	-0.93	-0.45	-0.69	-0.2275	0.265	0.075	0.18885	0.47349	0.393005	0.99033	0.997988	0.995129
XpM1_O3H5O_5021_1	XpM1_O3H5O	-2.92	-3.36	-2.33	-3.16	-4.94	-2.74	-1.58	-1.98	-2.44	-2.38	-1.12	-0.69	-3.56	-1.97	-2.46	-2.025	0.4625	0.7725	0.20946	0.657077	0.200137	0.99033	0.997988	0.995129	
XpM1_O3H5O_5021_1	XpM1_O3H5O	-2.61	-2.98	-2.61	-2.98	-2.61	-2.98	-2.61	-2.98	-2.61	-2.98	-2.61	-2.98	-2.61	-2.98	-2.61	-2.98	-2.61	-2.98	-2.61	-2.98	-2.61	-2.98	-2.61	-2.98	
XpM1_O3H5O_5021_1	XpM1_O3H5O	-1.49	-0.49	-1.1	-0.84	-1.6	-0.58	-0.35	-0.57	0.3	0.25	0.06	-1.44	0.82	-1.33	-0.58	-1.52	0.205	0.6225	0.2575	0.63155	0.56376	0.1659	0.988223	0.997988	0.995129
XpM1_O3H5O_5021_1	XpM1_O3H5O	-2.85	-1.26	-2.77																						

Znf365_Q88G89_T2066_1	Znf365_Q8	1.08	0.55	1.54	0.62	0.88	0.66	1.12	1.12	0.53	0.64	0.82	1.02	0.87	1.06	0.73	0.89	-0.0025	-0.195	-0.06	0.841796	0.993041	0.514571	0.999187	0.997988	0.999507
Znf385a_Q8VD12_S4133_1	Znf385a_Q	-0.68	0.18	-1.23	-1.1	0.01	-0.47	-1.08	-2.78	-0.89	-0.66	-0.21	0.23	-0.8	-1.8	-1.38	-0.3725	0.325	-0.4875	0.24719	0.547329	0.426163	0.989223	0.997988	0.994666	
Znf385a_Q8VD12_S4140_1	Znf385a_Q	-0.06	0.36	-0.57	-0.21	0.15	-0.18	-0.25	0.36	0.35	0.58	0.07	-0.33	0.2	0.16	-0.15	-0.18	0.14	0.2875	0.1275	0.609523	0.615983	0.364085	0.989223	0.997988	0.995259
Znf451_Q8C0P7_S10321_1	Znf451_Q8	-4.23	-3.82	-5.12	-6.53	-3.51	-4.32	-9.46	-5.4	-4.19	-4.41	-2.08	-5.55	-2	-3.45	-4.8	-3.85	-0.7475	0.8675	1.4	0.084889	0.552356	0.314555	0.989223	0.997988	0.994666
Znf592_Q8BH24_S3321_1	Znf592_Q8	0.13	0.17	0.45	-0.7	0.28	0.12	-0.18	-0.04	0.44	-0.3	-1.04	-0.4	1.09	0.64	0.38	-0.03	0.0325	-0.3375	0.5075	0.185522	0.912112	0.398964	0.997335	0.997988	0.994666
Znf592_Q8BH24_S3466_1	Znf592_Q8	0.88	0.49	1.21	0.4	-0.02	0.56	0.11	0.39	1.11	-0.29	0.18	0.35	1.46	0.34	0.98	0.67	-0.485	-0.4075	0.1175	0.729362	0.096297	0.723257	0.989223	0.997988	0.9971
Znf609_Q8B247_S4133_1	Znf609_Q8	-4.13	-5.03	-2.97	-3.48	-2.74	-6.17	-4.21	-2.89	-3.82	-4.34	-2.27	-0.92	-0.36	-1.61	-3.08	-4.13	-0.1	1.065	1.6075	0.076887	0.899917	0.204201	0.996493	0.997988	0.994666
Znf609_Q8B247_S4911_1	Znf609_Q8	-0.9	-0.57	-0.6	-0.39	-0.21	-0.38	0.13	-0.48	-0.46	-0.47	-0.04	-0.43	-0.77	0.29	-0.49	-0.55	0.38	0.265	0.235	0.454128	0.13496	0.279756	0.989223	0.997988	0.994666
Znf621_Q91VW_S1456_1	Znf621_Q9	-2.05	-2.11	-0.39	-1.14	-2.45	-1.06	-1.17	-1	0.01	-1.65	-1.06	-0.49	1.53	-2.66	-0.3	-0.87	0.0025	0.625	0.8475	0.330376	0.395942	0.460379	0.999655	0.997988	0.994666
Znf687_Q9D2D7_S2281_1	Znf687_Q9	-0.66	-0.92	-0.61	-0.66	-2.43	-1.46	-1.14	-1.1	-0.53	-0.33	-1.01	-1.16	1.09	-1.21	-0.7	-0.64	-0.82	-0.045	0.3475	0.478098	0.030647	0.866644	0.989223	0.997988	0.994666
Znf750_Q8BH05_S3731_1	Znf750_Q8	-1.11	-0.31	-1.59	-1.59	-0.83	-1.29	-1.78	-1.26	-1.48	-1.57	-0.22	-1.59	-0.62	-1.69	-1.67	-1.55	-0.14	-0.065	-0.2325	0.566122	0.696779	0.881367	0.994891	0.997988	0.995259
Znf830_Q8BH10_S2166_1	Znf830_Q8	-1.57	-0.38	-1.83	-1.91	-1.04	-3.53	-1.2	-1.66	-1.96	-1.36	0.11	-0.96	0.63	-0.58	0.04	-1.66	-0.685	0.38	0.695	0.163608	0.285022	0.474506	0.989223	0.997988	0.994666
Znf2_Q71F05_S181_1	Znf2_Q71	0.66	-0.24	0.3	0.28	0.98	-0.53	-0.39	-0.17	0.19	0.6	-0.43	0.01	0.25	0.63	0.56	0.27	-0.2775	-0.1575	0.1775	0.536237	0.472905	0.618761	0.989223	0.997988	0.994666
Znf2_Q71F05_S376_1	Znf2_Q71	-0.07	0.41	0.58	0.29	0.52	0.4	0.8	0.55	0.42	0.36	0.97	0.27	0.72	0.7	0.47	0.36	0.265	0.2025	0.26	0.333249	0.272613	0.458561	0.989223	0.997988	0.994666
Znfmb2_E9PUJ0_S1566_1	Znfmb2_E9	-0.91	-1.34	-1.42	-1.21	-0.09	-1.16	0.02	-0.62	-0.81	-0.91	-0.63	-0.47	-0.64	-0.44	-1.3	-0.29	0.7575	0.515	0.3025	0.518251	0.034761	0.951334	0.989223	0.997988	0.994666
Znfmb2_E9PUJ0_S1166_1	Znfmb2_E9	-1.61	0.45	-1.21	-0.42	-1.67	-1.96	-1.99	-2.02	-0.12	0.57	1.11	-1.69	-2.07	-0.2	-3.54	-3.16	-1.2125	0.665	-1.545	0.071204	0.018918	0.344983	0.989223	0.997988	0.994666
Znfmb2_E9PUJ0_S1511_1	Znfmb2_E9	-0.68	-0.42	-0.83	-1.03	-0.79	-0.82	-2.56	-2.15	-0.79	-0.81	-0.16	-1.57	-0.69	0.38	-3.19	-3.06	-0.84	-0.0925	-0.9	0.271837	0.083515	0.783953	0.989223	0.997988	0.994666
Znfmb2_E9PUJ0_S831_1	Znfmb2_E9	-0.61	-0.48	-0.38	-0.72	-0.09	-0.33	-0.97	-0.7	-0.5	0.33	0.22	-0.89	-0.79	-0.27	-1.36	-0.78	0.025	0.2675	-0.2525	0.405701	0.93296	0.384316	0.997335	0.997988	0.994666
Znfmb2_E9PUJ0_S4181_1	Znfmb2_E9	-0.88	-1.07	-1.81	-1.01	-2.01	-1.11	-2.54	-2.01	1.1	-1.98	-1.91	-2.07	2.51	-3.04	-0.78	-1.42	-0.725	-0.0225	0.51	0.622443	0.069284	0.975044	0.989223	0.997988	0.995259
Zswim8_Q3UH11_S10609_1	Zswim8_Q3	0.15	-0.43	0.15	-0.08	0.11	0.08	0.42	0.7	0.06	-0.56	0.14	0.32	-0.47	0.06	-0.27	-0.54	0.38	0.0425	-0.2525	0.369607	0.158208	0.881071	0.989223	0.997988	0.994666
Zswim8_Q3UH11_S486_1	Zswim8_Q3	-1.78	-1.13	-1.27	-1.06	-1.87	-0.98	-1.58	-1.69	0.26	-1.42	-2.39	-2.32	1.23	-2.33	1.76	-1.80	-0.225	-0.1625	0.1175	0.873718	0.438699	0.781566	0.989223	0.997988	0.999507
Zswim8_Q3UH11_S533_1	Zswim8_Q3	-1.3	0.29	1.55	2.22	-0.25	0.18	0.46	1.78	2.31	-0.02	-1.08	2.01	2.39	-3.12	1.24	1.01	-0.1475	0.115	-0.31	0.802146	0.849743	0.907661	0.996349	0.997988	0.999507
Zswim8_Q3UH11_S5641_1	Zswim8_Q3	0.15	-0.54	0.33	-0.09	-0.72	-0.22	-0.59	-0.36	1.19	-0.15	-0.6	0.2	1.15	-0.55	-0.15	-0.59	-0.435	0.1975	0.0025	0.99546	0.125616	0.637488	0.989223	0.997988	1
Zswim_Q8C0Q5_S2166_1	Zswim_Q8C	2.26	-3.43	-2.61	-4.08	-2.2	-1.92	0.9	-2.4	-2.23	-1.89	-1.02	-2.95	-1.51	-1.47	-5.4	-3.21	1.24	1.0755	0.3975	0.824138	0.027985	0.969895	0.989223	0.997988	0.999507
Zyx_Q7T0E2_S2411_1	Zyx_Q7T0E	-0.52	-0.92	-0.08	-0.19	0.54	-0.66	0.12	-0.36	0.42	0.16	0.63	0.19	-0.76	-0.22	-0.45	-0.34	0.3375	0.7775	-0.015	0.958786	0.325331	0.017752	0.989223	0.997988	0.999507
Zyx_Q7T0E2_S3051_1	Zyx_Q7T0E	0.62	0.49	0.02	0.55	0.78	0.52	0.97	0.66	0.28	0.39	0.54	0.86	0	0.81	0.49	0.31	0.3125	0.0975	-0.0175	0.951531	0.205737	0.70363	0.989223	0.997988	0.999507
Znf1_E9QDWS_S14756_1	Znf1_E9QD	0.53	0.24	0.01	-0.11	0.38	0.05	-1.31	-1.51	0.49	0.85	-0.8	-1.43	0.82	0.54	0.3	0.3	-0.765	-0.39	-0.0875	0.808447	0.122511	0.459165	0.989223	0.997988	0.999507
Znf1_E9QDWS_S14881_1	Znf1_E9QD	-0.35	-0.68	-0.12	-0.89	0.03	-0.38	0.17	0.33	-0.8	-0.46	0.57	-0.26	-1.21	-0.29	-0.58	-0.3	0.5475	0.2725	-0.085	0.791799	0.067351	0.44701	0.989223	0.997988	0.999507
Znf1_E9QDWS_S24075_1	Znf1_E9QD	-0.81	-0.37	0.12	0.52	0.56	0.11	-0.14	0.25	0.06	-0.06	0.03	-0.41	-0.37	0.02	0.1	0.15	0.33	0.04	0.11	0.750395	0.334807	0.904105	0.989223	0.997988	0.9971
Znf1_E9QDWS_T2066_1	Znf1_E9QD	0.28	0.4	0.31	0.47	-0.17	-0.88	0.28	-0.11	0.17	0.27	-0.17	-0.51	-0.05	-0.18	0.1	0.58	-0.585	-0.425	-0.3475	0.360968	0.06092	0.120018	0.989223	0.997988	0.994666

Top altered phosphositest

decreased in MNK1KO (logFC>-1.2)			
id.query	id.mapped	logFC MNK	logFC MNK2KO
Ror1	Ror1_Q9Z1	-2.0725	0.0625
AOA140LI6	AOA140LI6	-2.0025	0.3725
Sec62	Sec62_Q88	-1.8675	-0.4975
Kiaa1107	Kiaa1107_C	-1.82	-1.1075
Chd9	Chd9_Q8B	-1.775	0.395
Ubr4	Ubr4_F6S5	-1.735	-1.02
Hivep2	Hivep2_Q3	-1.575	0.7675
Pdap1	Pdap1_Q3I	-1.56	0.43
Poldip3	Poldip3_F6	-1.5275	-0.7075
Znf148	Znf148_Q6	-1.52	0.005
Hp1bp3	Hp1bp3_Z4	-1.5125	-0.9975
Srrm2	Srrm2_Q8E	-1.49	0.095
Srrm2	Srrm2_Q8E	-1.49	0.095
Prrc2c	Prrc2c_S4R	-1.455	0.065
Hdgfrp2	Hdgfrp2_Q	-1.4525	0.4875
Hirip3	Hirip3_Q8E	-1.4375	-0.365
Spag9	Spag9_F8V	-1.4125	-0.255
Phyhlpl	Phyhlpl_Q8	-1.3925	-0.4325
Usp24	Usp24_E9P	-1.3625	0.615
Dpf2	Dpf2_F8Wl	-1.3425	0.975
Bzw1	Bzw1_Q9CI	-1.34	0.465
Cdc42bpb	Cdc42bpb_	-1.3375	0.375
Kctd1	Kctd1_E9Q	-1.3325	-0.02
Thrap3	Thrap3_Q5	-1.3325	-0.1425
Sec62	Sec62_Q88	-1.3275	0.1625
Hsp90b1	Hsp90b1_P	-1.3225	-0.4125
Macrod2	Macrod2_C	-1.3225	-1.8625
Macrod2	Macrod2_C	-1.3225	-1.8625
Fnipl1	Fnipl1_F6Rl	-1.305	0.2325
Eif4b	Eif4b_Q8B	-1.2875	0.2675
Arhgap31	Arhgap31_	-1.2825	-0.9475
Pcyt1a	Pcyt1a_P45	-1.28	-0.7375
Prrc2c	Prrc2c_S4R	-1.275	0.27
Irs2	Irs2_P8112	-1.2725	0.11
Eif4b	Eif4b_Q8B	-1.2575	-0.0625
Marchf11	Marchf11_C	-1.2425	-0.4425
Srrt	Srrt_Q99M	-1.24	0.2675
Kri1	Kri1_Q9GXl	-1.24	-0.3875
U2af1	U2af1_Q9C	-1.24	-0.8225
Kiaa1107	Kiaa1107_C	-1.235	-0.1575
Fam83h	Fam83h_Q	-1.225	0.3875
Gpatc8	Gpatc8_A	-1.225	-0.6875
Dnajc8	Dnajc8_E9I	-1.22	-0.4875
Ubn1	Ubn1_Q4G	-1.215	0.27
Zranb2	Zranb2_E9I	-1.2125	0.665
Sec62	Sec62_Q88	-1.2125	-0.2225
Tmem169	Tmem169_	-1.205	0.035

increased in MNK1KO (logFC<1.2)			
id.query	id.mapped	logFC MNK	logFC MNK2KO
Bcan	Bcan_Q6I	3.0175	2.8425
Gys1	Gys1_Q9Z1	2.9025	3.92
Zfyve19	Zfyve19_Q	2.84	2.7175
Ppp1r10	Ppp1r10_C	2.76	3.1625
Ccdc85a	Ccdc85a_E	2.64	2.9
Agap2	Agap2_Q3I	2.6275	2.2225
Epb4	Epb4.1I1_C	2.56	-0.655
Bsn	Bsn_Q887	2.5	3.5675
Ccar2	Ccar2_Q8V	2.485	2.8275
Polr3c	Polr3c_F6C	2.4275	2.97
Gabra2	Gabra2_P2	2.415	2.5275
Nf1	Nf1_Q046	2.38	0.4175
Q9D9H8	Q9D9H8_S	2.375	2.52
Atxn2	Atxn2_F6U	2.345	3.2725
Shroom2	Shroom2_I	2.3275	-0.7625
Cnp	Cnp_P163	2.315	3.5275
Ccsap	Ccsap_Q8C	2.3025	1.0825
Asap1	Asap1_E9C	2.255	-0.4325
Ank2	Ank2_Q8CI	2.245	-0.63
Rimbp2	Rimbp2_D	2.1975	0.48
Bsn	Bsn_Q887	2.1875	0.7975
Hcn1	Hcn1_Q88	2.18	-1.565
Cenpv	Cenpv_Q9	2.135	2.635
Kiaa1671	Kiaa1671_I	2.08	3.4625
Eml1	Eml1_D3Z4	2.06	4.3825
Map1a	Map1a_Q9	2.05	3.86
Rbm15b	Rbm15b_C	2.005	0.1275
Map7d2	Map7d2_A	1.9975	2.7825
Ncbp1	Ncbp1_Q3I	1.995	-0.5475
Dlgap3	Dlgap3_B1	1.9925	-1.0475
Sptbn1	Sptbn1_Q6	1.96	1.095
Rap1gap2	Rap1gap2_	1.9225	0.985
Lppr2	Lppr2_Q8V	1.9175	-0.1625
Lppr4	Lppr4_Q7T	1.905	0.6025
Cobll1	Cobll1_B1A	1.905	-0.715
Dmwd	Dmwd_E9C	1.9025	-0.7875
Syn2	Syn2_Q64	1.8775	0.9875
Glyf2	Glyf2_G3I	1.8675	2.015
Map2	Map2_P20	1.8425	0.3375
Gnaz	Gnaz_Q7O	1.8225	-0.96
Irs1	Irs1_Q543I	1.8175	-0.83
Ctage5	Ctage5_H3	1.74	1.0525
Ank2	Ank2_Q8CI	1.735	-0.495
Rasgrf2	Rasgrf2_P7	1.73	1.4025
Dlgap2	Dlgap2_Q0	1.73	-0.3075
Grin2b	Grin2b_G3	1.73	-0.79
Gphn	Gphn_Q8B	1.7275	-1.95
Cacna1e	Cacna1e_C	1.6825	-1.1175
Mybbp1a	Mybbp1a_I	1.6675	2.4625
Nhs1	Nhs1_Q8C	1.665	3.295
Cit	Cit_E9QL5	1.655	-1.74
Ppp1r3e	Ppp1r3e_H	1.64	1.4025
Clvs1	Clvs1_Q9D	1.63	-2.5075
Cnr1	Cnr1_P477	1.6275	-1.4225
Ehbp11	Ehbp11_G	1.6225	0.015
Ankrd34a	Ankrd34a_	1.6125	-1.2425
Epb4	Epb4.1I1_C	1.6075	-0.2075
Wdr37	Wdr37_Q8	1.605	2.8925
Bsn	Bsn_Q887	1.5975	1.08
Mical3	Mical3_Q8	1.595	1.14
Ank2	Ank2_Q8CI	1.5925	2.405
Dlgap2	Dlgap2_Q0	1.57	1.3575
Sptbn1	Sptbn1_Q6	1.5675	1.6025
Ank3	Ank3_G5E	1.565	-0.275
Bsn	Bsn_Q887	1.5625	2.43
Ank2	Ank2_Q8CI	1.5525	1.15
Ank2	Ank2_Q8CI	1.5325	-0.0125
Eif4b	Eif4b_Q8B	1.5125	0.5225
Leo1	Leo1_Q5Xl	1.5025	2.21
Paip1	Paip1_G3U	1.5025	-0.2
Phactr2	Phactr2_B1	1.4725	1.1675
Ifngr1	Ifngr1_P15	1.47	0.4075
Ppp1r1a	Ppp1r1a_C	1.465	1.125
Dlgap2	Dlgap2_Q0	1.46	-0.1
Lrrc16a	Lrrc16a_D	1.4525	2.66
Agap3	Agap3_Q8I	1.4475	1.4475
Aak1	Aak1_Q3U	1.445	0.7475
Amer2	Amer2_Q8	1.4425	-0.3625
Pdha1	Pdha1_P35	1.4425	-0.5925
Pdha1	Pdha1_P35	1.4425	-0.5925
Cacna1e	Cacna1e_C	1.44	2.7725
Akap12	Akap12_Q	1.4375	1.2125
Epb4	Epb4.1_P4	1.4375	0.1975
Map2	Map2_P20	1.4325	2.6475
Scg2	Scg2_Q4W	1.4325	-0.625
Pitpnm2	Pitpnm2_C	1.4225	2.2525
Lmo7	Lmo7_E9P	1.4225	-0.51
Hcn3	Hcn3_Q88	1.41	2.805
Gapvd1	Gapvd1_Q	1.4075	0.765
Inpp4b	Inpp4b_E9	1.4	-0.77
Sgip1	Sgip1_Q8V	1.4	-1.695
Epb4	Epb4.1I1_C	1.3925	0.4075
Bag2	Bag2_Q91	1.39	0.52
Pex5l	Pex5l_F8S	1.385	-0.775
Fam160a2	Fam160a2	1.3675	1.785
Iqsec1	Iqsec1_Q8I	1.3625	1.3575
Sgsm1	Sgsm1_B2F	1.3625	-0.8875
Hspa4l	Hspa4l_P4I	1.35	-0.985
Sgip1	Sgip1_Q8V	1.345	-0.0975
Tra2a	Tra2a_E9Q	1.34	-1.5925
Sptbn1	Sptbn1_Q6	1.3325	1.03
Slc30a3	Slc30a3_P5	1.325	0.47

decreased in MNK2KO (logFC<-1.2)			
id.query	id.concat	logFC MNK	logFC MNK2KO
Zfr2	Zfr2_E9Q5I	-0.0075	-2.845
Macrod2	Macrod2_C	-1.3225	-1.8625
Macrod2	Macrod2_C	-1.3225	-1.8625
Kif21b	Kif21b_Q9I	-0.6525	-1.4775
Atp7a	Atp7a_Q64	-0.4175	-1.3875
Plekfh2	Plekfh2_Q	-0.35	-1.7725
Itsn1	Itsn1_E9Q	0.335	-1.2225
Atp2b2	Atp2b2_S4	-0.1175	-1.2775
Brd8	Brd8_D3YZ	-0.1825	-1.6175
Rims1	Rims1_E9P	-0.0625	-1.5775
Cacnb1	Cacnb1_Q	-0.1075	-1.345
Napa	Napa_Q9D	0.035	-2.9575
Adgrb1	Adgrb1_E9	-0.1025	-1.295
Arhgef26	Arhgef26_I	-0.13	-1.23
Arhgef26	Arhgef26_I	-0.13	-1.23
Sf3b1	Sf3b1_Q99	-0.2525	-1.765
Bcas1	Bcas1_Q80	-0.2875	-1.3425
Rbm15	Rbm15_Q0	-0.57	-1.24
Rabgef1	Rabgef1_Q	-0.5575	-2.35
Cacng3	Cacng3_Q5	-0.055	-1.3575
Cacng2	Cacng2_Q	-0.1725	-1.2
Atp1a3	Atp1a3_Q	-0.32	-1.3725
Wdr59	Wdr59_Q8	-0.3825	-1.4925
Rps6ka2	Rps6ka2_C	0.7675	-1.2025
Gm996	Gm996_A2	-0.1325	-1.9075
Prkag2	Prkag2_Q9	0.4975	-1.6075
Ank2	Ank2_Q8CI	0.1525	-2.21
Atp2a2	Atp2a2_Q5	0.39	-1.715
Ppme1	Ppme1_Q8	-0.3	-1.3375
Cmp1	Cmp1_Q9D	-0.345	-1.925
Stmn1	Stmn1_P5	0.0075	-1.375
Shisa6	Shisa6_F6V	0.425	-1.715
Sptan1	Sptan1_P1	0.0975	-1.2075
Gphn	Gphn_Q8B	1.7275	-1.95
Pcnxl3	Pcnxl3_Q8	0.3525	-1.2075
Sipa11	Sipa11_Q	1.1425	-1.5225
Ddx3x	Ddx3x_Q6	1.08	-1.5
Psd	Psd_Q5DTI	0.865	-1.6925
Lysmd2	Lysmd2_G	0.39	-1.905
Kncn1	Kncn1_P15	0.46	-1.555
Slc4a10	Slc4a10_Q	0.685	-1.65
Sirt2	Sirt2_Q8V	-0.0175	-1.275
Ncam2	Ncam2_Q3	0.23	-1.305
Shisa7	Shisa7_F6T	0.8725	-2.3025
Pgam1	Pgam1_Q9	0.1325	-1.52
Efnb3	Efnb3_Q35	1.2375	-1.9325
Sgip1	Sgip1_Q8V	1.4	-1.695
Kncn2	Kncn2_Q14	0.7775	-1.4425
Tbcl10b	Tbcl10b_	0.4575	-1.3725
Mta3	Mta3_H3B	0.9775	-1.29
Zfp704	Zfp704_Q9	0.5375	-1.26
Srsf1	Srsf1_H7B	0.95	-2.2275
Cap2	Cap2_D3YI	0.365	-1.26
Prkcb	Prkcb_P68	0.9225	-1.8875
Mobp	Mobp_Q9C	0.4175	-1.61
Ank2	Ank2_Q8CI	1.07	-1.8375
Thrap3	Thrap3_Q5	1.0275	-1.855
Clvs1	Clvs1_Q9D	1.63	-2.5075
Hcn1	Hcn1_Q88	2.18	-1.565
Actr3	Actr3_Q99	1.125	-1.7175
Bckdha	Bckdha_Q	0.7525	-1.6875
Ccz1	Ccz1_Q8C1	0.79	-1.4825
Tra2a	Tra2a_E9Q	1.34	-1.5925
Fam129a	Fam129a_I	-0.245	-1.235
Cap2	Cap2_D3YI	0.34	-1.6
Htt	Htt_G3X9H	1.0125	-1.675
Apc	Apc_B2RU	1.02	-1.6325
Mbp	Mbp_P043	0.6325	-1.2275
Ppig	Ppig_A2AR	0.955	-1.3475
Mapk8ip1	Mapk8ip1_	1.3125	-1.2125
Grin2b	Grin2b_G3	1.155	-1.25
Fam169a	Fam169a_I	-0.1775	-1.29
Bnip3l	Bnip3l_Q9	-0.27	-1.2175
Ankrd34a	Ankrd34a_	1.6125	-1.2425
Inpp5b	Inpp5b_F2	0.585	-1.23
Kif21b	Kif21b_Q9I	1.14	-1.2275
Cnr1	Cnr1_P477	1.6275	-1.4225
Ranbp2	Ranbp2_Q	1.305	-1.32
Cit	Cit_E9QL5	1.655	-1.74

increased in MNK2KO (logFC<1.2)			
id.query	logFC MNK	logFC MNK2KO	
Eml1	Eml1_D3Z4	2.06	4.3825
Gys1	Gys1_Q9Z1	2.9025	3.92
Map1a	Map1a_Q9	2.05	3.86
Bsn	Bsn_Q887	2.5	3.5675
Cnp	Cnp_P163	2.315	3.5275
Kiaa1671	Kiaa1671_I	2.08	3.4625
Nhs1	Nhs1_Q8C	1.665	3.295
Dtna	Dtna_Q9D	0.2825	3.2725
Atxn2	Atxn2_F6U	2.345	3.2725
Ppp1r10	Ppp1r10_C	2.76	3.1625
Elac2	Elac2_B1A	1.2625	3.0225
Polr3c	Polr3c_F6C	2.4275	2.97
Ptpd1	Ptpd1_Q64	0.9275	2.965
Ccdc85a	Ccdc85a_E	2.64	2.9
Kcnb1	Kcnb1_Q0	0.675	2.8925
Wdr37	Wdr37_Q8	1.605	2.8925
Bcan	Bcan_Q6I	3.0175	2.8425
Arhgap39	Arhgap39_	1.295	2.84
Ccar2	Ccar2_Q8V	2.485	2.8275
Hcn3	Hcn3_Q88	1.41	2.805
Map7d2	Map7d2_A	1.9975	2.7825
Cacna1e	Cacna1e_C	1.44	2.7725
Q3UTZ3	Q3UTZ3_S	0.37	2.7375
Zfyve19	Zfyve19_Q	2.84	2.7175
Lrrc16a	Lrrc16a_D	1.4525	2.66
Map2	Map2_P20	1.4325	2.6475
Cenpv	Cenpv_Q9C	2.135	2.635
Dnm1	Dnm1_P39	0.885	2.6075
Mapt	Mapt_P10K	-0.6225	2.595
Rptor	Rptor_Q8K	1.2725	2.5775
Gabra2	Gabra2_P2	2.415	2.5275
Q9D9H8	Q9D9H8_S	2.375	2.52
Hivep2	Hivep2_Q3	-0.2975	2.5
Prpf40a	Prpf40a_Q	1.245	2.475
Mybbp1a	Mybbp1a_I	1.6675	2.4625
Bsn	Bsn_Q887	1.5625	2.43
Ank2	Ank2_Q8CI	1.5925	2.405
Cdkn2aip	Cdkn2aip_I	0.3775	2.4025
D430042O	D430042O	1.1575	2.395
Alkbh5	Alkbh5_Q3	0.6225	2.355
Dtna	Dtna_Q8CF	0.83	2.33
Map2	Map2_P20	1.1975	2.295
Pitpnm2	Pitpnm2_C	1.4225	2.2525
Agap2	Agap2_Q3I	2.6275	2.2225
Leo1	Leo1_Q5Xl	1.5025	2.21
Pacs1	Pacs1_Q8K	1.01	2.1875
Mark4	Mark4_Q8I	1.3075	

Srgap3	Srgap3_E9I	1.3225	0.0325
Map7d1	Map7d1_Fi	1.32	1.37
Aftph	Aftph_H3B	1.315	-0.9625
Mapk8ip1	Mapk8ip1_	1.3125	-1.2125
Mark4	Mark4_Q8I	1.3075	2.18
Map3k10	Map3k10_I	1.3075	-0.1375
Tnrc6b	Tnrc6b_Q8	1.3075	-0.295
Srrm1	Srrm1_E9P	1.305	-0.0425
Ranbp2	Ranbp2_Qi	1.305	-1.32
Cbfa2t2	Cbfa2t2_O	1.3025	0.9425
Ank2	Ank2_Q8Ci	1.3	-0.3175
Kiaa1522	Kiaa1522_I	1.2975	0.8025
Arhgap39	Arhgap39_	1.295	2.84
Dlgap4	Dlgap4_B7	1.295	0.9675
Tex2	Tex2_B1AT	1.2925	0.4775
Tbc1d10b	Tbc1d10b_	1.29	0.7975
Shank1	Shank1_D3	1.29	-0.15
Gpr158	Gpr158_Q8	1.2875	1.6425
Fcho2	Fcho2_Q3I	1.2875	-0.805
Gprin1	Gprin1_Q3	1.2825	0.6225
Mast1	Mast1_Q9I	1.28	1.9075
Marcks	Marcks_P2	1.28	0.7875
Ppp6r2	Ppp6r2_G3	1.275	1.55
Rptor	Rptor_Q8K	1.2725	2.5775
Bsn	Bsn_O887i	1.2675	0.4625
Gas7	Gas7_B1A1	1.265	2.1175
Slc4a4	Slc4a4_E9C	1.265	0.945
Elac2	Elac2_B1A'	1.2625	3.0225
Shank3	Shank3_Q4	1.255	0.7
Cnksr2	Cnksr2_Q8	1.2525	0.8275
Prrc2a	Prrc2a_G3I	1.25	1.115
Myh10	Myh10_Q5	1.25	0.6425
Tiam2	Tiam2_Q6z	1.25	-1.0025
Prpf40a	Prpf40a_Qi	1.245	2.475
Zwint	Zwint_Q9C	1.24	1.0725
Efnb3	Efnb3_O35	1.2375	-1.9325
Mapt	Mapt_P10I	1.23	1.3825
Arhgap32	Arhgap32_	1.23	0.2425
Tpd5l2l2	Tpd5l2l2_Q	1.225	-0.2125
Chgb	Chgb_P16C	1.2175	-0.2325
Mtus2	Mtus2_Q3I	1.2175	-0.2375
Nav1	Nav1_Q8Ci	1.215	1.75
Tmem184t	Tmem184t	1.2125	0.26
Plch2	Plch2_H3B	1.21	0.6575
Psd3	Psd3_E9PU	1.2075	-0.4775
Scg2	Scg2_Q4W	1.2075	-0.755
Dlg2	Dlg2_E9Q2	1.205	0.67
Cacnb1	Cacnb1_Q8	1.205	0.1375
Cep170	Cep170_Hi	1.2	1.0025

Sptbn1	Sptbn1_Q6	1.5675	1.6025
Plcl2	Plcl2_Q8K3	0.875	1.5975
Eif4b	Eif4b_Q8B4	0.915	1.565
Set	Set_Q9EQI	0.3075	1.5525
Ppp6r2	Ppp6r2_G3	1.275	1.55
Cnksr2	Cnksr2_Q8	0.4675	1.545
Rnmt	Rnmt_D3Z	0.7925	1.545
Kank3	Kank3_Q9z	-0.3975	1.5325
Camkk2	Camkk2_Q	0.5375	1.5275
Phactr1	Phactr1_Qi	0.8425	1.5275
Caskin1	Caskin1_Qi	0.805	1.5175
Ccdc85a	Ccdc85a_E	-0.4175	1.5125
Sipa1l1	Sipa1l1_Q8	0.13	1.51
Ildr2	Ildr2_B5TV	0.94	1.51
Cep170	Cep170_Hi	-0.255	1.5025
Tenm4	Tenm4_Q3	-0.845	1.5025
Tenm4	Tenm4_Q3	-0.845	1.5025
Tenm4	Tenm4_Q3	-0.845	1.5025
Eif3a	Eif3a_P231	0.7275	1.5
Vps51	Vps51_Q3I	1.1775	1.5
Grb10	Grb10_B1A	1.0375	1.485
Usp6nl	Usp6nl_Q8	0.3925	1.475
Tcp1l1l1	Tcp1l1l1_Q	0.4775	1.4725
Agfig1	Agfig1_Q8K	0.34	1.47
Pole4	Pole4_E0C	0.0775	1.4675
Nfic	Nfic_P7025	-0.08	1.46
Agap3	Agap3_Q8I	1.4475	1.4475
Eif4g1	Eif4g1_E9P	0.3025	1.4375
Mast2	Mast2_B1A	0.6975	1.435
Psd	Psd_Q50T1	0.8225	1.42
Ank2	Ank2_Q8Ci	0.6525	1.415
Tuba4a	Tuba4a_P6	-0.1125	1.4075
Sh3gl3	Sh3gl3_J3C	0.525	1.405
Tcof1	Tcof1_H3B	0.78	1.4025
Srrm2	Srrm2_Q8E	0.8325	1.4025
Ppp1r3e	Ppp1r3e_H	1.64	1.4025
Dnm1	Dnm1_P39	1.1675	1.4025
Rasgrf2	Rasgrf2_P7	1.73	1.4025
Clasp2	Clasp2_F7I	0.445	1.3975
Scin1	Scin1_B1A	0.6125	1.3975
Gsk3b	Gsk3b_E9C	-0.2525	1.385
Chgb	Chgb_P16C	0.2775	1.385
Rrbp1	Rrbp1_Q9S	0.4625	1.385
Mapt	Mapt_P10I	1.23	1.3825
Tra2a	Tra2a_E9Q	0.525	1.3725
Eif4b	Eif4b_Q8B4	0.1475	1.37
Map7d1	Map7d1_Fi	1.32	1.37
Nrgn	Nrgn_P607	0.3325	1.365
Kif1a	Kif1a_Q67I	0.98	1.3575
Dlgap2	Dlgap2_Q0	1.57	1.3575
Iqsec1	Iqsec1_Q8I	1.3625	1.3575
Aff4	Aff4_Q9ESi	0.3575	1.3525
Dlg2	Dlg2_E9Q2	0.855	1.35
Kiaa1671	Kiaa1671_I	0.9375	1.3475
Dpp8	Dpp8_Q80'	0.3575	1.345
Shank1	Shank1_D3	1.06	1.345
Add1	Add1_F8W	-0.3175	1.3425
Syn1	Syn1_O88S	0.0975	1.3375
Trim2	Trim2_Q9E	0.75	1.3325
Tom1	Tom1_Q3L	1.105	1.33
Rbm33	Rbm33_D3	-0.7775	1.3275
Eif2b4	Eif2b4_D3z	0.4775	1.3275
Tmem132d	Tmem132c	-0.12	1.325
Srp68	Srp68_Q8B	0.275	1.3225
Ank2	Ank2_Q8Ci	-0.095	1.3225
Rims1	Rims1_E9P	0.99	1.3225
Pkp4	Pkp4_Q68F	0.64	1.3175
Smap	Smap_Q9R	0.1875	1.3175
Prrc2c	Prrc2c_S4R	-0.1875	1.3125
Mark2	Mark2_Q0I	0.8275	1.305
Camkv	Camkv_Q3	0.1725	1.3
Lmna	Lmna_P48I	-0.185	1.3
Uhrf1bp1l	Uhrf1bp1l_	0.88	1.3
Eef2	Eef2_P58Z	0.4825	1.2975
Vim	Vim_P201S	0.69	1.2975
Satb2	Satb2_H3B	-0.245	1.295
Mark4	Mark4_Q8I	0.08	1.295
Ppp1r16a	Ppp1r16a_	0.3425	1.2925
Map1a	Map1a_Q9	0.5525	1.2925
Fsd1	Fsd1_Q7TF	0.225	1.2875
Eif3f	Eif3f_Q9DX	1.09	1.2875
Sh3gl1	Sh3gl1_Q6	1.1725	1.285
Mycbp2	Mycbp2_Fi	0.3275	1.28
Epb4	Epb4_1_P4I	0.925	1.28
Phactr2	Phactr2_B1	0.0925	1.2775
Pcyt1a	Pcyt1a_P4S	-0.3075	1.2775
Sparcl1	Sparcl1_P7	0.4825	1.2775
Rgs20	Rgs20_Q9C	-0.33	1.2725
Camkv	Camkv_Q3	-0.0625	1.2675
Bsg	Bsg_K3W4I	-0.0725	1.2675
Itpka	Itpka_Q8RI	1.01	1.2675
Csnk1d	Csnk1d_QS	0.2375	1.255
Tcf4	Tcf4_Q607	0.31	1.2525
Mark3	Mark3_Q0	0.5725	1.245
Ank2	Ank2_Q8Ci	0.3225	1.2425
Golim4	Golim4_D3	0.7725	1.2425
Epb4	Epb4.1l1_C	0.425	1.235
Sh2d5	Sh2d5_Q8I	1.1525	1.2275
Setd1a	Setd1a_E9I	-0.9425	1.225
Ppp2r5d	Ppp2r5d_C	0.5025	1.225
Cttnbp2	Cttnbp2_Bi	0.25	1.2225
Mtcl1	Mtcl1_H3B	-0.2375	1.215
Mtcl1	Mtcl1_H3B	-0.2375	1.215
Psen2	Psen2_Q3L	-0.16	1.215
Ube2e3	Ube2e3_Bi	1.1325	1.215

Camsap1	Camsap1_	0.66	1.2125
Akap12	Akap12_Q5	1.4375	1.2125
Ptgdr2	Ptgdr2_Q9	0.255	1.21
A0A571BE1	A0A571BE1	0.3925	1.21
Pcyt1a	Pcyt1a_P45	-0.035	1.2075
Plekha1	Plekha1_Q	0.1	1.2075
Dip2c	Dip2c_B7Zl	0.6125	1.2075
Leo1	Leo1_Q5Xl	0.2775	1.205
Tom1	Tom1_Q3U	0.315	1.205

Gene Ontology Cellular Component

**GO performed using Enrichr with total proteome as background list*

upregulated GO cellular component

SYP MNK1KO / WT			SYP MNK2KO / WT		
cellular component	NOM p-val	Adjusted p	cellular component	NOM p-val	Adjusted p-value
Dendrite (GO:0030425)	0.000261	0.02726	Microtubule Cytoskeleto	6.60E-06	0.000897
Neuron Projection (GO:004300	0.000474	0.02726	Cytoskeleton (GO:00058	1.36E-04	0.006376
			Microtubule (GO:000587	0.000141	0.006376
			Polymeric Cytoskeletal F	0.000228	0.006605
			Glutamatergic Synapse (0.000272	0.006605
			Dendrite (GO:0030425)	0.000291	0.006605

downregulated GO cellular component

SYP MNK1KO / WT			SYP MNK2KO / WT		
cellular component	NOM p-val	Adjusted p	cellular component	NOM p-val	Adjusted p-value
			Dendrite Membrane (GC	5.5E-06	0.000693
			Synaptic Membrane (GO	5.86E-05	0.003691
			Postsynaptic Density (GC	0.000169	0.006164
			Ionotropic Glutamate Re	0.000196	0.006164
			AMPA Glutamate Receptl	0.001155	0.02911
			Asymmetric, Glutamater	0.001463	0.03071

PTM-SEA cortex

id	Signature	signature						No.column	p-value			FDR p-value			NES		
		Signature	Signature	Signature	Signature	Signature	Signature		pvalue.MN	pvalue.MN	pvalue.MN	fdr.pvalue	fdr.pvalue	fdr.pvalue	MNK1KO	MNK2KO	MNKDKO
PERT-PSP_UV	n=32 Trp5:	30	20	20	20	20	TDDEMTG\TDDEMTG\TDDEMTG\	3	0.141677	0.220909	0.181599	0.220487	0.358795	0.399518	1.838	1.5195	1.6896
PERT-PSP_TNF	n=20 Ikbkt	18	27.8	27.8	27.8	27.8	TDDEMTG\TDDEMTG\TDDEMTG\	3	0.059984	0.17374	0.038932	0.126613	0.318523	0.122359	2.213	1.6395	2.1851
PERT-PSP_PHORBOL_ESTER	n=41 Mapl	39	15.4	15.4	15.4	15.4	TDDEMTG\TDDEMTG\TDDEMTG\	3	0.150332	0.027463	0.081856	0.220487	0.120836	0.200093	1.793	2.1876	2.1582
PERT-PSP_OKADAIC_ACID	n=17 Mapl	15	40	40	40	40	TDDEMTG\TDDEMTG\TDDEMTG\	3	0.005528	0.026825	0.004605	0.023975	0.120836	0.016884	3.111	2.1606	3.0978
PERT-PSP_LPS	n=27 Ikbkt	26	30.8	30.8	30.8	30.8	SGRPRTTSF\TDDEMTG\TDDEMTG\	3	0.093556	0.060529	0.049338	0.161642	0.174409	0.13568	2.078	2.0659	2.4297
PERT-PSP_INSULIN	n=25 Eif4e	25	32	32	32	32	IVADQTPTF\IVADQTPTF\IVADQTPTF	3	0.063306	0.039656	0.460168	0.126613	0.145404	0.572332	-2.283	-2.5387	-0.9949
PERT-PSP_EGF	n=37 Mapl	35	22.9	22.9	22.9	22.9	TDDEMTG\TDDEMTG\TDDEMTG\	3	0.682486	0.063422	0.000798	0.729044	0.174409	0.00585	0.517	2.0217	3.5108
KINASE-PSP_PKCA/Prkca	n=74 Vim	74	8.1	8.1	8.1	8.1	LKSTLSMSP\TTSTRTYS\YSSGPGASF	3	0.03864	0.00326	0.001582	0.094452	0.023907	0.008699	2.240	-3.1413	-3.2177
KINASE-PSP_PKACA/Prkaca	n=173 Myt	172	17.4	17.4	17.4	17.4	MGRVRLRS\RSAIRRAST\GGRKKTVSI	3	0.038538	0.715205	0.271637	0.094452	0.749262	0.459693	2.520	0.4814	-1.3862
KINASE-PSP_P38A/Mapk14	n=61 Ulk1	60	11.7	11.7	11.7	11.7	TDDEMTG\TDDEMTG\TDDEMTG\	3	0.002558	1.00E-04	0.000604	0.021899	0.0011	0.00585	3.439	3.8524	3.4295
KINASE-PSP_mTOR/Mtor	n=88 Dpys	88	14.8	14.8	14.8	14.8	GPSSSLLSI\DVSDERLSF\DVSDERLSF	3	0.91299	0.432567	0.832931	0.91299	0.559793	0.832931	-0.128	1.0045	-0.2779
KINASE-PSP_JNK1/Mapk8	n=37 Jun_	37	16.2	16.2	16.2	16.2	IVADQTPTF\GGDSSASSI\GGDSSASSI	3	0.695905	1.00E-04	0.000401	0.729044	0.0011	0.00585	-0.511	4.1912	3.895
KINASE-PSP_GSK3B/Gsk3b	n=70 Cry2	70	12.9	12.9	12.9	12.9	SSPGSPGTF\PVFDLTTP\PVFDLTTP	3	0.386516	0.228324	0.571252	0.472409	0.358795	0.66145	-1.100	-1.5128	-0.7428
KINASE-PSP_ERK2/Mapk1	n=187 Irs1	183	15.8	15.8	15.8	15.8	PTRNEPTTF\LKHTGPNISKDEILPTPI	3	0.004602	0.691015	0.672966	0.023975	0.749262	0.705012	3.402	-0.531	0.5357
KINASE-PSP_ERK1/Mapk3	n=72 Irf3_	72	13.9	13.9	13.9	13.9	LKSTLSMSP\ASLSLPATP\IVADQTPTF	3	0.209539	0.116944	0.400199	0.271168	0.248514	0.572332	1.582	1.9256	1.0696
KINASE-PSP_CDK5/Cdk5	n=71 Pik3c	70	21.4	21.4	21.4	21.4	VIEPLPVTP\NVVRVNSGS\NTPKSKQSP	3	0.031287	0.124257	0.30006	0.094452	0.248514	0.471524	2.571	1.9261	-1.3125
KINASE-PSP_CDK1/Cdk1	n=35 Mcm	35	14.3	14.3	14.3	14.3	VIEPLPVTP\NSSDTVTSTF\NPGGRPITF	3	0.002986	0.375372	0.206999	0.021899	0.516137	0.413999	3.105	1.2058	-1.6123
KINASE-PSP_CAMK2A/Camk2a	n=48 Gria1	48	18.8	18.8	18.8	18.8	PIPIMPASP\RSAIRRAST\PIPIMPASP	3	0.531661	0.508016	0.004333	0.615607	0.620908	0.016884	0.795	-0.8425	-2.8207
KINASE-PSP_AMPK1/Prkaa1	n=48 Becn	47	17	17	17	17	GRLLRERSP\KKLIHSSSI\CGLSRVDSI	3	1.00E-04	0.117272	0.267634	0.0022	0.248514	0.459693	3.724	1.95E+00	-1.416
KINASE-PSP_Akt1	n=50 Bad_	50	16	16	16	16	SGRPRTTSF\INRERQKSL\PFGRGRSRSL	3	0.006539	1	0.468271	0.023975	1	0.572332	2.826	3.00E-04	-0.9336
DISEASE-PSP_Parkinsons_disea	n=19 Apex	19	21.1	21.1	21.1	21.1	TPGSRSRSTF\SGYSSPGSP\SGYSSPGSP	3	0.177123	0.652769	0.429203	0.243543	0.749262	0.572332	1.674	0.5886	1.0313
DISEASE-PSP_Alzheimers_disea	n=32 Apex	31	19.4	19.4	19.4	19.4	TPGSRSRSTF\SGYSSPGSP\SGYSSPGSP	3	0.095516	0.254261	0.626068	0.161642	0.372916	0.688675	2.022	-1.4422	0.6263

PTM-SEA synaptoneurosomes

id	signature								p-value			FDR p-value			NES		
	Signature_1	Signature_2	Signature_3	Signature_4	Signature_5	Signature_6	Signature_7	No. column	pvalue.MN	pvalue.MN	pvalue.MN	fdr.pvalue	fdr.pvalue	fdr.pvalue	MNK1KO	MNK2KO	MNKDKO
PERT-PSP_UV	n=32 Trp5:	30	20	20	20	TDDEMTG IVADQTPTF AGTSFMM'		3	0.094328	0.051344	0.78322	0.173587	0.141237	0.78322	1.9435	-2.2862	-0.3665
PERT-PSP_TNF	n=20 Ikbbk	18	27.8	27.8	27.8	TDDEMTG AGTSFMM' AGTSFMM'		3	0.062994	0.056909	0.270523	0.158227	0.141237	0.59515	2.0138	-2.2254	-1.4167
PERT-PSP_PHORBOL_ESTER	n=41 Mapl	39	15.4	15.4	15.4	TDDEMTG GEKSFRRSV ____MAS'		3	0.016763	0.67175	0.190081	0.061465	0.821027	0.522723	2.5791	-0.5405	-1.6517
PERT-PSP_OKADAIC_ACID	n=17 Mapl	15	40	40	40	SFKLSGFSFI SFKLSGFSFI SFKLSGFSFI		3	0.02599	0.655351	0.42728	0.081682	0.821027	0.700516	2.5644	-0.5893	1.0901
PERT-PSP_LPS	n=27 Ikbbk	26	30.8	30.8	30.8	TDDEMTG IVADQTPTF AGTSFMM'		3	0.580249	0.465296	0.219892	0.580249	0.787423	0.537514	0.726	-0.9564	-1.539
PERT-PSP_INSULIN	n=25 Eif4e	25	32	32	32	TSFMMTPY IVADQTPTF AGTSFMM'		3	0.344346	0.735453	0.036615	0.451099	0.851577	0.225159	1.2294	0.4354	2.3488
PERT-PSP_EGF	n=37 Mapl	35	22.9	22.9	22.9	TDDEMTG AGTSFMM' AGTSFMM'		3	0.148335	0.020228	0.106742	0.233098	0.117014	0.366176	1.7686	-2.7112	-1.9869
KINASE-PSP_PKCA/Prkca	n=74 Vim	74	8.1	8.1	8.1	LKSTLSMSF TRSVSSSSY TTSTRTYSLI		3	0.00701	0.086782	0.669532	0.030843	0.19092	0.701415	3.0422	2.1386	0.5532
KINASE-PSP_PKACA/Prkaca	n=173 Myf	172	17.4	17.4	17.4	SFKLSGFSFI KVLLRRKSE SFKLSGFSFI		3	1.00E-04	0.031913	1.00E-04	0.0022	0.117014	0.0022	5.2593	2.636	4.0322
KINASE-PSP_P38A/Mapk14	n=61 Ulk1	60	11.7	11.7	11.7	TDDEMTG IVADQTPTF LKHTGPNIS		3	0.368295	0.187438	0.060654	0.451099	0.374875	0.266877	1.1817	-1.6763	-2.2884
KINASE-PSP_mTOR/Mtor	n=88 Dpys	88	14.8	14.8	14.8	GPSSSLSLI EPSTIARSLI EPSTIARSLI		3	0.50182	0.000596	0.040938	0.525716	0.013116	0.225159	0.8782	3.5997	2.5447
KINASE-PSP_JNK1/Mapk8	n=37 Jun_1	37	16.2	16.2	16.2	VGLLKLASP STPKSKQSF STPKSKQSF		3	0.480789	0.0293	0.485312	0.525716	0.117014	0.701415	-0.9104	2.5713	-0.947
KINASE-PSP_GSK3B/Gsk3b	n=70 Cry2_	70	12.9	12.9	12.9	SSPGSPGTF SSPGSPGTF SVTPKTVTF		3	0.094684	0.836824	0.539312	0.173587	0.920507	0.701415	-2.069	-0.2576	0.7777
KINASE-PSP_ERK2/Mapk1	n=187 Irs1	183	15.8	15.8	15.8	KEDLPPLTP KEDLPPLTP QASSTPLSP		3	0.00339	0.438519	0.116511	0.018644	0.787423	0.366176	3.5489	0.9777	1.967
KINASE-PSP_ERK1/Mapk3	n=72 Irf3_1	72	13.9	13.9	13.9	LKSTLSMSF LKSTLSMSF LKSTLSMSF		3	0.114229	0.963948	0.445783	0.19331	0.971968	0.700516	1.9293	0.065	-0.9711
KINASE-PSP_CDK5/Cdk5	n=71 Plk3c	70	21.4	21.4	21.4	LKSTLSMSF LKSTLSMSF EQASTPMS		3	0.000609	0.001204	0.440935	0.004465	0.013248	0.700516	3.6099	3.9695	0.9932
KINASE-PSP_CDK1/Cdk1	n=35 Mcm	35	14.3	14.3	14.3	LKSTLSMSF LKSTLSMSF LKSTLSMSF		3	0.000594	0.971968	0.665812	0.004465	0.971968	0.701415	3.3275	0.0455	-0.5734
KINASE-PSP_CAMK2A/Camk2a	n=48 Gria1	48	18.8	18.8	18.8	KELEKRASC KELEKRASC AGPTRQAS		3	0.369081	0.617481	0.650547	0.451099	0.821027	0.701415	-1.1407	-0.6455	-0.581
KINASE-PSP_AMPK1/Prkaa1	n=48 Becn	47	17	17	17	GRLKRERSI GHLARECTI GRLKRERSI		3	0.068952	0.057779	0.039936	0.158227	0.141237	0.225159	2.2267	2.3532	2.4884
KINASE-PSP_Akt1	n=50 Bad_	50	16	16	16	PARNRSASI PAPSRRTAF PARNRSASI		3	0.426583	0.58033	0.377995	0.493939	0.821027	0.700516	-1.0147	-0.7193	-1.1327
DISEASE-PSP_Parkinsons_disea	n=19 Apex	19	21.1	21.1	21.1	SSPGSPGTF TPGSRSRFT TPGSRSRFT		3	0.193198	0.029459	0.587106	0.283356	0.117014	0.701415	-1.6329	2.4955	0.6909
DISEASE-PSP_Alzheimers_disea	n=32 Apex	31	19.4	19.4	19.4	SSPGSPGTF TPGSRSRFT TPGSRSRFT		3	0.071921	0.607847	0.653434	0.158227	0.821027	0.701415	-2.262	0.6633	0.5594