

PCA behavior, Figure 1O

ID	classical tests										deepOF													
	SI trial1	SR index	NOR DI	NO 1st trial	SO index	SO S1	OI trial1	OH DI	OF distanc	OF time in	nose to nose	nose to tail	nose to tail	side by side	side by side	nose to body	climbing test	sniffing test	speed test	speed stim	climb stim	sniffing stim		
Wild type	-1.5003	1.644019	0.414798	-1.49547	0.433838	-0.07507	-0.63106	-0.47314	0.148012	-0.24563	-0.68563	-1.2669	-0.25903	-0.40633	-0.94708	-1.45626	-0.39155	2.595852	-0.5554	0.452164	0.362822	-0.90663	-0.81452393	
Wild type	-0.8828	-1.19656	-0.37482	-0.24108	0.371838	-1.39918	-0.47268	-1.00331	-0.52533	-1.07532	2.025851	-1.26409	0.918335	1.977153	1.841524	-0.1617	1.002608	2.13361	1.597128	-1.42976	-0.67511	-0.29156	1.218137488	
Wild type	-1.40957	-0.35491	1.866401	-0.61708	-1.50908	0.088381	-0.70448	0.00969	0.115509	1.07151	-1.03117	-0.59401	0.313024	-0.66225	-1.17773	-1.0879	-0.90729	2.591456	-0.42455	0.250057	1.251791	0.638401	0.50314881	
Wild type	-0.49735	-0.47074	0.866093	-0.19707	2.351952	1.922013	-0.35415	-0.12285	-1.684762	-0.05895	-0.98152	0.554777	-0.82443	0.01291	-1.45694	-0.34877	-0.49636	1.074828	-1.63071	0.15708	2.047337	1.125574	-0.86493436	
Wild type	0.549038	0.470053	0.925229	0.315086	-0.29931	0.72142	-0.30381	1.284934	-1.16899	0.285894	0.779926	0.613176	-0.69804	-0.84891	1.322996	1.27634	0.943311	0.980313	-0.41504	-1.00332	-0.38994	-0.43183	0.24549548	
Wild type	0.163034	0.989006	-1.57898	-1.14054	-0.74648	-0.45047	-0.53142	-1.02698	1.40381	-0.66825	1.077804	0.006569	1.876189	-0.67975	0.629314	0.515547	0.582015	1.323203	1.007608	-0.98735	-0.71412	-1.26699	0.665582432	
Wild type	-0.42267	0.807929	-0.84576	-0.55133	-0.56048	-0.43338	0.369578	0.125191	-0.80362	-1.03125	-0.16534	-1.28297	0.266462	-1.28346	-0.59157	-0.12005	-0.60667	0.771502	-0.66246	-1.4847	-1.1967	-1.12006	-0.4056393	
Wild type	-0.91855	0.377998	-0.64785	-1.2745	-1.3254	-1.32039	-1.52052	-0.61515	-0.96004	-0.64233	1.157238	-0.14006	-1.15036	0.765359	-0.21525	0.746674	0.251057	1.115758	-0.27944	-0.65538	-0.81547	-1.12161	1.55336619	
Wild type	0.235066	0.486745	1.745808	0.914754	0.017665	0.594173	2.476792	1.24505	0.23597	0.807045	-0.0303	-0.65226	0.579095	0.355595	-0.48058	1.82286	-0.28675	2.877197	-0.71955	0.145178	0.147282	0.451265	0.409329391	
Wild type	0.608973	-0.58353	0.204944	2.168047	-0.92008	1.219759	1.707958	-0.79503	0.13804	-0.40638	-0.81273	1.175592	-1.0905	0.861603	-0.31063	0.830939	-0.79973	2.048547	0.025077	-0.28705	0.61553	0.664693	-0.04996568	
Wild type	-0.8138	-1.21325	-1.13961	0.879009	-0.83057	-0.07427	0.109454	0.484001	-0.19562	-0.28063	-0.85443	0.641296	0.678871	-0.21166	-0.09038	-0.27655	-0.31709	3.367354	-0.09387	1.541219	1.856048	1.756578	-0.30061756	
Wild type	1.143165	0.011797	-1.12808	-0.47031	0.365638	0.279783	0.834235	0.810623	-0.83407	3.184637	-0.74124	-0.78885	0.845165	0.355595	1.973324	-1.57182	3.177276	1.164946	0.508016	-1.28577	-0.65333	-1.69848	-1.44185378	
Wild type	0.743139	-1.08706	-0.85506	-0.98162	1.387858	0.102756	-0.27758	-0.92284	-0.71228	-0.44787	-0.15342	0.645314	-1.14371	-0.51351	0.393461	0.741859	-0.24262	3.688263	-1.20249	-0.32986	-0.23558	0.381669	-0.95315262	
Wild type	-0.8839	2.179663	0.119404	0.535715	-0.07378	-1.39918	-0.4947	1.395701	-0.50676	-0.34675	0.905034	0.631253	-0.101733	0.725987	0.565148	1.160777	-0.22607	3.411314	1.680868	-1.34663	-1.01682	-0.4906	-1.39284363	
Wild type	0.930643	-0.96693	0.542427	0.077596	-0.33961	-1.39918	0.050717	-1.98601	-1.41256	-0.31563	1.33795	-0.98168	-1.21023	1.860495	-0.23952	-0.8977	-0.52945	2.635416	-0.42218	-1.41503	0.94736	0.905959	-0.3356248	
Wild type	1.02137	-0.60781	-0.41961	0.972167	0.726011	0.321045	-1.08208	1.130617	1.015607	0.363677	-1.00933	2.171872	1.490386	-1.39283	-0.32624	-0.83992	-0.31157	1.109996	-0.23186	-0.32428	0.715485	1.093095	-0.14518539	
Wild type	1.935517	-0.48642	0.304666	1.106635	0.949985	1.310802	0.823746	0.279508	1.98992	-0.19377	-0.81869	1.03097	0.426104	-0.91599	-0.88985	-0.33433	-0.8411	0.85063	1.818849	-1.3305	-0.35241	0.310526	2.109281257	
MNK1KO	-0.08605	-1.37157	-0.83298	-1.88791	-1.64238	0.504196	-1.94112	-0.93609	-2.85047	-1.48498	-0.34804	0.996824	1.337396	2.650858	0.061948	1.459316	-0.54048	1.013283	0.158302	-0.85198	-0.69064	-1.47887	-1.077777	
MNK1KO	-1.98638	-0.76259	-4.22448	-1.76474	-1.1549	-1.39918	-1.78379	-0.88024	-1.56457	-0.27285	-0.43939	-0.59401	-1.01068	0.884935	-0.36959	0.156818	-0.86317	1.024273	-3.23892	-0.66509	-0.39524	-1.72941	-1.32002738	
MNK1KO	-0.6821	-0.17434	0.913045	-1.2052	-0.30783	-1.39918	-1.6254	-0.01303	-1.08092	-0.50232	3.19075	-0.28267	-0.38541	0.839729	-1.37023	1.365421	0.50755	0.606651	-2.91538	-1.53104	-1.01397	-1.20667	1.036662774	
MNK1KO	-1.97978	-0.96794	-0.40702	-1.22898	-0.38843	-0.62895	-2.0072	-1.83738	-0.61789	-1.34497	1.971437	-0.7788	-0.11934	0.715779	0.313688	-0.79177	0.383441	0.661601	-2.49191	-0.58239	0.71221	-1.35823	-1.33263001	
MNK1KO	-0.22802	-0.72465	0.229484	0.941395	-0.67983	-1.39918	-1.48276	-1.93584	-0.18523	-0.97939	0.033245	-0.47148	-0.49184	2.391292	0.077835	0.737044	0.775074	2.463658	-0.82423	-0.50513	-0.68066	-1.29482	-0.1983964	
MNK1KO	-0.89895	-1.35938	0.582147	0.085015	0.567912	-1.39918	-1.82469	-1.93584	-1.05207	0.044764	0.8256	-0.34695	-0.09399	0.027492	1.054194	1.497837	0.422052	1.008887	-0.91399	-0.48073	-0.44303	-1.2608	-1.04557175	
MNK1KO	1.167084	-1.24259	-1.32225	-1.71003	-1.11615	-1.39918	-1.61701	-0.689	-2.66029	-1.15051	0.815671	0.086915	0.266462	0.581622	0.095177	2.041949	0.278637	1.732033	-0.89084	-0.29444	-0.66125	-1.09995	-0.47145292	
MNK1KO	-1.80327	-1.44946	-0.56466	0.096734	0.354013	-1.39918	-1.61911	-1.32141	-0.8244	-0.41157	0.440345	-1.13322	0.785299	1.641759	0.513301	-0.86159	0.750252	2.710148	-0.1537	-1.13054	-1.33304	-1.284	-0.40843968	
MNK1KO	0.569933	-2.43047	-0.67191	-1.24466	-0.20553	0.359379	-0.58386	-1.94531	0.520839	0.228852	0.853402	0.936565	-1.2834	0.814939	1.871006	2.311598	1.290816	1.382644	1.359701	-0.7948	-1.00973	-1.16027	1.294313312	
MNK1KO	0.894352	-0.0972	-1.55205	-0.4231	-0.14586	-1.20911	0.860457	-0.42297	-1.74748	1.473393	0.863332	0.520779	0.106819	-0.20291	4.118539	2.952529	2.686355	1.58037	-1.20725	-0.68906	-0.98931	-1.44175	-1.25141311	
MNK1KO	2.119446	0.378503	-0.83298	-1.79589	0.97246	1.062697	-1.27403	-0.61988	-1.67898	-0.82901	0.414529	0.583046	0.632309	1.377818	2.745047	0.028199	1.834139	0.760512	-0.68461	-0.33249	-0.06084	-1.34122	-1.64209437	
MNK1KO	2.130443	-1.26788	-0.98126	-0.62965	-0.41401	-0.71769	-0.6363	-1.50981	-0.66661	0.107061	2.003211	-0.72256	1.091281	1.592179	4.154958	0.888721	1.734852	0.142871	-1.54983	-0.20883	-1.51419	-1.28875	-0.38463284	
MNK1KO	0.990578	-0.89865	-2.27742	-0.46441	0.566362	-1.39918	-0.25661	-1.93584	0.642628	0.335157	0.867303	-0.33891	0.652264	2.423374	1.149576	-1.38162	-0.00819	0.162653	-2.41341	-1.4176	-1.01139	-1.42938	-1.56507835	
MNK1KO	-0.73599	-2.66389	-0.49992	-0.9157	-0.09626	0.588565	-1.04747	-1.93584	-1.10048	1.027433	-1.09472	1.010884	1.237619	-0.30644	2.57336	-0.66176	-0.44671	0.195623	-3.12473	-1.59213	-1.0301	-1.58249	-1.70510748	
MNK2KO	-0.3115	0.225751	-0.15539	-0.42832	0.804286	-0.91202	-0.02166	-0.2696	-0.4062	-0.33119	-1.42238	-0.19028	0.239855	-1.1391	0.041417	-2.09667	-0.74733	1.435301	-1.78713	0.290914	2.261186	0.081365	-0.97975661	
MNK2KO	2.087554	-0.35896	0.337245	0.92015	-1.3626	0.083589	2.244988	3.664064	1.113343	1.13633	0.398642	0.916479	0.406149	1.764251	0.027543	-0.01653	0.22072	1.211104	-1.68305	0.335492	0.828777	-0.97313	-1.25001282	
MNK2KO	0.309298	0.026465	-0.77358	2.172262	0.096715	-0.22148	-0.23773	1.807529	-0.20982	0.853715	1.308162	-0.47148	-0.21912	2.157975	2.883783	0.900759	-0.29778	1.373757	-1.61644	-0.75409	-0.66992	-1.54692	-1.7163098	
MNK2KO	-0.0932	-1.27648	-0.07409	0.848911	0.06494	-0.00639	-1.04117	0.119511	-0.59985	0.16144	-0.354	-0.2425	2.913864	3.845154	2.928873	1.069289	-0.56255	1.288035	-3.12473	-0.60154	-0.37305	-1.52526	-1.8605398	
MNK2KO	0.73929	1.057289	1.310696	0.115871	-0.07378	0.042061	-0.06571	-1.09136	0.376823	0.56973	1.228728	-0.15814	-1.18362	1.071589	1.746143	2.049172	2.145033	1.274847	-2.17788	-0.7942	-0.83693	-1.52217	-1.74571592	
MNK2KO	-0.54904	-0.30129	-1.13227	0.565728	-0.58916	-0.00053	-0.49586	-0.49586	-1.75689	-0.93531	2.960391	0.228021	-0.46856	4.330017	0.288975	1.568861	-0.62736	0.766556	-3.17588	-0.79071	-0.68144	-2.09054	-1.76952087	
MNK2KO	0.119045	0.408346	0.165243	-0.63976	2.058229	0.357249	2.562801	4.360857	-1.29077	-0.97939	-0.80876	2.465596	0.332979	-1.09525	0.422943	-0.16098	0.984681	0.86162	-0.09618	-0.47668	1.063999	0.544063	-1.56087748	
MNK2KO	0.967483	0.787191	0.279317	-0.05637	0.243189	-0.58565	-0.51673	-0.33303	-1.33645	-0.11858	1.292276	0.671426	1.596815	3.190406	0.970791	4.685466	0.984681	0.709958	-2.43006	-1.34932	-0.79707	-1.74642	-1.24721224	
MNK2KO	2.458711	-1.76053	0.741378	-0.56777	-1.07895	-1.39918	-0.90397	-0.60852	-0.87974	-0.0771	-0.79883	2.985367	-1.25014	-0.47706	-0.23952	6.693384	-0.50739	3.136						