

; Supplementary file 2 of Telorac et al "Identification and characterization of DNA sequences  
; that prevent glucocorticoid receptor binding to nearby response elements"  
; Ranking score values used to rank motifs on the heatmap in Figure 1a  
; In this figure, color scale represent the difference between the mean number of motif hits  
; in bins of 50bp, and the trimmed mean (30% extremes) number of hits over the 8kb  
; (representing the "background" level).  
; The ranking score below is the mean value of this difference over the most central 300bp window

id	rankingScore	rankingId
M00481	221.463616	907
M01201	219.019283	906
M00953	139.592143	905
M00956	137.754196	904
M00447	124.951556	903
M00957	115.348705	902
M00192	110.253973	901
M00955	103.404643	900
M00205	99.6453571	899
M00954	97.8795089	898
M00921	91.0017086	897
M00960	81.8172619	896
M00146	42.134256	895
M00199	35.7308929	894
M01267	33.5365605	893
M00926	33.3056696	892
M00925	32.2825	891
M00007	31.899375	890
M01249	28.9741518	889
M00517	28.3438771	888
M00962	28.1495982	887
M00174	27.9184821	886
M00963	27.7241964	885
M00339	27.1783036	884
M00340	27.0172768	883
M00032	25.0948214	882
M00147	24.3838988	881
M01595	23.111875	880
M00037	22.8085268	879
M00658	21.8496429	878
M00531	21.1435714	877
M01208	20.9552679	876
M01145	20.4029018	875
M00777	20.3853125	874
M01288	19.9382143	873
M00704	19.9338839	872
M00977	19.4661161	871
M00924	19.4170536	870

M01214	19.0586161	869
M01244	18.9608791	868
M01284	18.8170024	867
M01258	18.7697321	866
M00771	18.4533036	865
M00118	18.015	864
M01305	17.8078348	863
M00025	17.8041964	862
M00466	17.6258482	861
M01165	17.5880804	860
M00971	16.8216071	859
M00495	16.8025446	858
M01028	16.5924107	857
M01163	16.3096516	856
M00797	16.19	855
M00468	16.0831002	854
M01260	15.8936161	853
M01202	15.7726303	852
M01154	15.7243304	851
M00224	15.7085196	850
M00175	15.2543304	849
M00773	15.2265179	848
M00108	14.9829911	847
M00698	14.9072768	846
M01287	14.7686607	845
M00217	14.7014732	844
M00172	14.6660268	843
M01112	14.6557589	842
M00317	14.2599975	841
M00492	14.2179464	840
M00497	14.1651786	839
M00088	14.0268052	838
M00119	13.970343	837
M00121	13.8098073	836
M00655	13.7323214	835
M00055	13.5268304	834
M01591	13.4647768	833
M00035	13.2610714	832
M00678	13.2205804	831
M00490	13.0265625	830
M00176	12.9634375	829
M01022	12.9606696	828
M00459	12.9055369	827
M01131	12.7675446	826
M00173	12.7651786	825
M00722	12.7646875	824

M01167	12.7252232	823
M00187	12.6506399	822
M01224	12.6340625	821
M01286	12.6333929	820
M00984	12.5277039	819
M00751	12.5076786	818
M00223	12.5066518	817
M01457	12.5037054	816
M00086	12.4327679	815
M01220	12.3262946	814
M00649	12.2949107	813
M00808	12.23913	812
M00074	12.2071875	811
M01078	12.1820486	810
M00457	12.1200917	809
M00070	11.9949231	808
M01256	11.9399554	807
M01268	11.9254861	806
M00657	11.8326339	805
M01111	11.7828308	804
M01302	11.6983482	803
M01014	11.6734123	802
M01023	11.5696429	801
M00799	11.5194196	800
M00927	11.4977679	799
M00500	11.4243304	798
M00280	11.3896429	797
M01204	11.3669643	796
M00261	11.3373214	795
M01203	11.181875	794
M01066	10.9541964	793
M00188	10.914718	792
M00821	10.8773306	791
M00225	10.8429421	790
M00762	10.7740179	789
M01031	10.7249225	788
M01241	10.569998	787
M00411	10.4995536	786
M00769	10.4948661	785
M00916	10.4873073	784
M00083	10.3995982	783
M00913	10.2424304	782
M00644	10.0738839	781
M00981	9.95514016	780
M00684	9.76017857	779
M00764	9.74101419	778

M00338	9.68589286	777
M00746	9.68290179	776
M01660	9.64370536	775
M00183	9.59941964	774
M01116	9.55017857	773
M01171	9.53221726	772
M01217	9.40683036	771
M00001	9.25522321	770
M00065	9.25160714	769
M01266	9.2159375	768
M00491	9.175	767
M00511	9.17113487	766
M00253	9.14553571	765
M00496	9.03816964	764
M00017	9.02164944	763
M01658	9.02037698	762
M00194	8.99879464	761
M00123	8.95741071	760
M00513	8.955	759
M00054	8.77388393	758
M00272	8.72212798	757
M00277	8.53325893	756
M01182	8.52285714	755
M00765	8.49647321	754
M01597	8.47825893	753
M00066	8.46477679	752
M00036	8.4640501	751
M00646	8.45328734	750
M01227	8.44383929	749
M00113	8.38982143	748
M00743	8.3875	747
M00615	8.37633929	746
M00694	8.35337798	745
M01139	8.10049107	744
M00419	8.08722098	743
M00285	8.05681777	742
M00394	8.03075893	741
M00763	7.93467491	740
M00731	7.91723011	739
M00460	7.55870536	738
M00325	7.51941964	737
M01212	7.38915179	736
M01172	7.19595644	735
M01656	7.12361607	734
M00467	6.97803571	733
M00227	6.93352679	732

M01197	6.90233558	731
M00976	6.86879464	730
M00003	6.81053571	729
M00935	6.78767857	728
M00641	6.75477679	727
M00983	6.63549107	726
M00251	6.58651786	725
M01248	6.58303571	724
M00711	6.3501614	723
M01070	6.18433036	722
M00979	6.12544643	721
M00177	6.09792411	720
M01589	6.06272321	719
M00236	6.01995536	718
M01123	5.85125	717
M00721	5.82875	716
M00975	5.75633929	715
M00256	5.69669643	714
M00707	5.69625	713
M01068	5.66285714	712
M01020	5.63553571	711
M00638	5.52147321	710
M00115	5.35142857	709
M00341	5.29668527	708
M00158	5.28915179	707
M00279	5.28049632	706
M00978	5.22267857	705
M00178	5.14669643	704
M00418	5.09348214	703
M00774	5.06981647	702
M01105	4.94967785	701
M00701	4.91084821	700
M00484	4.90921131	699
M01346	4.88477679	698
M00993	4.62959821	697
M00792	4.6223235	696
M01655	4.62044643	695
M00040	4.60486607	694
M00532	4.57982143	693
M00433	4.56370536	692
M00395	4.53923277	691
M01016	4.51477679	690
M00727	4.50169643	689
M01198	4.43875	688
M01239	4.42958333	687
M00284	4.41160714	686

M00193	4.39817227	685
M01082	4.38075893	684
M01242	4.37522321	683
M00966	4.34160714	682
M00034	4.33678571	681
M00052	4.30290179	680
M01175	4.2984375	679
M00005	4.29383929	678
M00039	4.09299107	677
M01132	4.09209821	676
M00712	4.0178125	675
M00313	3.96629464	674
M00917	3.94468532	673
M00281	3.86095063	672
M00084	3.7828125	671
M00242	3.75131696	670
M00271	3.72991071	669
M01142	3.62325893	668
M01104	3.5921875	667
M00691	3.55914416	666
M00499	3.55797281	665
M00806	3.52763393	664
M00327	3.52133785	663
M00211	3.50928571	662
M00041	3.5053125	661
M00415	3.50412687	660
M01592	3.45183036	659
M00648	3.40660714	658
M01033	3.39138393	657
M01181	3.34248835	656
M01383	3.30308036	655
M01384	3.29919643	654
M00410	3.17433741	653
M01651	3.14834821	652
M00967	3.08116071	651
M01306	3.05669643	650
M01257	2.9985583	649
M00736	2.99012784	648
M01207	2.85223214	647
M00315	2.76813109	646
M00201	2.67267857	645
M01119	2.6696875	644
M00512	2.58735599	643
M00737	2.576875	642
M00314	2.46789164	641
M00186	2.43558036	640

M00796	2.42793527	639
M00959	2.35285714	638
M01347	2.35071429	637
M00624	2.2553125	636
M01588	2.16129464	635
M00053	2.148125	634
M01251	2.14488433	633
M00050	2.08084821	632
M00134	2.05790179	631
M00528	2.05102679	630
M00326	2.02982143	629
M00761	2.0215625	628
M00805	1.95455357	627
M01281	1.93741071	626
M01407	1.84401786	625
M01223	1.68236607	624
M01596	1.65107143	623
M00184	1.60308036	622
M00332	1.5907034	621
M01250	1.49961445	620
M01002	1.42517857	619
M00045	1.42397321	618
M01259	1.3521875	617
M01352	1.30116071	616
M00004	1.29022321	615
M00992	1.28125	614
M01160	1.25841755	613
M01003	1.25415179	612
M01185	1.25148966	611
M00965	1.17361607	610
M00057	1.15299107	609
M00208	1.14279018	608
M00292	1.12519345	607
M00985	0.99290179	606
M00810	0.98610294	605
M00222	0.93200893	604
M01395	0.87625	603
M00214	0.83299107	602
M00426	0.66428571	601
M00693	0.65169643	600
M00631	0.59674812	599
M00432	0.51169643	598
M00068	0.41614583	597
M01007	0.356875	596
M00239	0.3153125	595
M00107	0.30126984	594

M00922	0.28560569	593
M00739	0.25130885	592
M01080	0.21714286	591
M01209	0.20213197	590
M00181	0.16383929	589
M00738	0.14192776	588
M01034	0.12995536	587
M01488	0.12290179	586
M01308	-0.0256696	585
M01282	-0.0291071	584
M01029	-0.1347403	583
M00801	-0.1614014	582
M01243	-0.1927927	581
M00235	-0.2625446	580
M01196	-0.3242293	579
M00179	-0.3244531	578
M00427	-0.3554018	577
M01587	-0.382846	576
M00740	-0.3940118	575
M00671	-0.4253389	574
M01113	-0.4283502	573
M01419	-0.4475446	572
M00444	-0.4483036	571
M00215	-0.465695	570
M00360	-0.5805895	569
M01245	-0.6184187	568
M00514	-0.7225446	567
M01262	-0.7463393	566
M00687	-0.7513839	565
M01304	-0.7763393	564
M00619	-0.8028125	563
M00706	-0.859375	562
M00498	-0.9219196	561
M01459	-0.9479588	560
M00238	-1.10625	559
M00209	-1.2061161	558
M00105	-1.2238839	557
M01252	-1.236039	556
M00262	-1.2805952	555
M00974	-1.2812946	554
M01211	-1.3125	553
M00747	-1.4002232	552
M01043	-1.4591964	551
M00319	-1.4772768	550
M00928	-1.5201538	549
M01231	-1.5374554	548



M00998	-1.5694308	547
M00767	-1.5841964	546
M00494	-1.6026339	545
M00264	-1.6267857	544
M00414	-1.6873103	543
M00515	-1.7157528	542
M00258	-1.7820982	541
M00072	-1.7824107	540
M01411	-1.8093576	539
M00056	-1.8708482	538
M01275	-1.8965625	537
M00538	-1.9123438	536
M00254	-1.9967188	535
M01019	-1.997433	534
M00526	-2.03849	533
M01153	-2.0400446	532
M01263	-2.0542194	531
M00425	-2.0948661	530
M00033	-2.1143304	529
M01004	-2.1592411	528
M00156	-2.2304018	527
M00626	-2.2775446	526
M00733	-2.3256696	525
M01482	-2.3309821	524
M00122	-2.4491071	523
M00486	-2.4675	522
M01270	-2.5037054	521
M00106	-2.6225298	520
M01666	-2.6251292	519
M00328	-2.6385714	518
M00445	-2.7502015	517
M01295	-2.77	516
M00770	-2.8251786	515
M00302	-2.9295201	514
M00650	-2.9413393	513
M00260	-2.9470089	512
M00973	-2.9523214	511
M01138	-3.0216964	510
M01108	-3.0897222	509
M00483	-3.1255966	508
M00240	-3.2803522	507
M00287	-3.3195908	506
M00420	-3.3594196	505
M01322	-3.3982589	504
M00346	-3.4454911	503
M00964	-3.4754464	502

M01195	-3.481875	501
M01200	-3.5479018	500
M00190	-3.6004464	499
M00185	-3.6043129	498
M00024	-3.6374107	497
M00228	-3.7805804	496
M01264	-3.801166	495
M00493	-3.9306696	494
M00257	-3.9393703	493
M00775	-3.9872951	492
M01414	-3.9980804	491
M00912	-4.0424107	490
M00470	-4.0662946	489
M01312	-4.0741518	488
M00063	-4.0857635	487
M00396	-4.2560565	486
M01374	-4.3071875	485
M00412	-4.3074622	484
M01037	-4.3662054	483
M01299	-4.3678125	482
M00378	-4.3809821	481
M01081	-4.4334375	480
M01152	-4.4334375	479
M00071	-4.4695089	478
M00117	-4.5051527	477
M00717	-4.5254911	476
M00159	-4.5478331	475
M00961	-4.6253125	474
M00150	-4.6676339	473
M00087	-4.6692411	472
M01661	-4.6722768	471
M00804	-4.7301339	470
M00621	-4.7937835	469
M00333	-4.8106696	468
M01379	-4.8146875	467
M01100	-4.9626516	466
M00485	-5.0009375	465
M01350	-5.0398661	464
M00097	-5.0947134	463
M01425	-5.1225893	462
M00690	-5.1835714	461
M00929	-5.1909375	460
M01598	-5.2375893	459
M01032	-5.313028	458
M01149	-5.3446875	457
M00431	-5.3483036	456

M01058	-5.4449107	455
M00237	-5.4622768	454
M00278	-5.4837946	453
M01146	-5.4955804	452
M00699	-5.5079911	451
M01079	-5.5471602	450
M00157	-5.5476786	449
M01334	-5.5667411	448
M01298	-5.5947768	447
M01269	-5.6659375	446
M00772	-5.6708036	445
M00469	-5.7058929	444
M00933	-5.7428125	443
M00539	-5.750399	442
M00634	-5.7741295	441
M00051	-5.8194196	440
M00778	-5.9074554	439
M00421	-5.9416518	438
M01372	-5.9695089	437
M00002	-6.10375	436
M01390	-6.1574554	435
M01045	-6.1676786	434
M00430	-6.1875893	433
M01234	-6.2073661	432
M00750	-6.2367411	431
M00630	-6.2780586	430
M00476	-6.3027232	429
M00665	-6.4966071	428
M00023	-6.5170982	427
M00997	-6.5541014	426
M00191	-6.5549161	425
M00116	-6.6122768	424
M01590	-6.6734487	423
M01279	-6.7495982	422
M01122	-6.9679911	421
M00058	-6.979747	420
M00109	-7.0464286	419
M00472	-7.0598661	418
M00931	-7.2737946	417
M01237	-7.2887946	416
M00794	-7.3436161	415
M01017	-7.3555022	414
M01044	-7.4819643	413
M01478	-7.4997251	412
M00428	-7.5364732	411
M00309	-7.6003385	410

M00069	-7.8207143	409
M01169	-7.8571429	408
M00203	-7.8856696	407
M00456	-8.0051786	406
M00076	-8.0781399	405
M00200	-8.0914732	404
M01436	-8.1576786	403
M00212	-8.2845982	402
M00331	-8.3580357	401
M00320	-8.3904018	400
M00789	-8.4754018	399
M01665	-8.6004861	398
M00450	-8.7039223	397
M01013	-8.773493	396
M00152	-8.8378571	395
M01456	-8.8551786	394
M00249	-8.8880025	393
M01657	-8.9462946	392
M00776	-8.9837054	391
M00652	-8.9984821	390
M00104	-9.2762946	389
M01388	-9.3846875	388
M00720	-9.4049471	387
M01272	-9.5235268	386
M00075	-9.5810268	385
M00986	-9.6004911	384
M00793	-9.7117151	383
M00059	-9.8226786	382
M00518	-9.8229464	381
M00077	-9.8303582	380
M00349	-9.9030655	379
M00126	-10.012321	378
M00062	-10.259911	377
M01481	-10.26933	376
M01109	-10.277723	375
M01261	-10.360923	374
M00085	-10.396964	373
M01361	-10.397748	372
M00448	-10.540635	371
M00473	-10.599196	370
M00098	-10.601	369
M00462	-10.63683	368
M00334	-10.677455	367
M01151	-10.693348	366
M00008	-10.697232	365
M00348	-10.712723	364

M01331	-10.732411	363
M01240	-10.763184	362
M00920	-10.804196	361
M00128	-10.855045	360
M01652	-10.929777	359
M01235	-10.945074	358
M00939	-10.98625	357
M00999	-11.062411	356
M00932	-11.076027	355
M00347	-11.116429	354
M00250	-11.141027	353
M01441	-11.157098	352
M00255	-11.160759	351
M01150	-11.251205	350
M01117	-11.25932	349
M00651	-11.341445	348
M00220	-11.374019	347
M00766	-11.450134	346
M01382	-11.463304	345
M00453	-11.485938	344
M00919	-11.551741	343
M01307	-11.573988	342
M00807	-11.581161	341
M01650	-11.590759	340
M01072	-11.866161	339
M00972	-11.90058	338
M01349	-11.97942	337
M00918	-11.984777	336
M01233	-12.211071	335
M00454	-12.232813	334
M00329	-12.242009	333
M00436	-12.24885	332
M00749	-12.257902	331
M00133	-12.417277	330
M01107	-12.474554	329
M00244	-12.723571	328
M00312	-12.773065	327
M00474	-12.820536	326
M00155	-12.882121	325
M00322	-12.883571	324
M00273	-12.910766	323
M00011	-12.960179	322
M01389	-13.020982	321
M00148	-13.123125	320
M00940	-13.130714	319
M01485	-13.20375	318

M00632	-13.211295	317
M00516	-13.230313	316
M01463	-13.27317	315
M00480	-13.514955	314
M00141	-13.526996	313
M00647	-13.581964	312
M00350	-13.716815	311
M01434	-13.774598	310
M00139	-13.832232	309
M00042	-13.867589	308
M00195	-13.871875	307
M00695	-13.874911	306
M01443	-14.092793	305
M00124	-14.092857	304
M00449	-14.202143	303
M01387	-14.262589	302
M00246	-14.305045	301
M01475	-14.320089	300
M01380	-14.321652	299
M01430	-14.335	298
M00342	-14.389196	297
M01330	-14.509777	296
M01342	-14.512232	295
M01333	-14.580089	294
M00221	-14.628482	293
M01442	-14.647991	292
M01437	-14.714598	291
M01329	-14.860446	290
M01236	-14.903408	289
M01035	-14.957768	288
M01009	-15.121161	287
M01428	-15.431161	286
M01386	-15.494196	285
M01447	-15.513482	284
M01378	-15.613566	283
M00073	-15.636687	282
M01001	-15.668571	281
M00413	-15.699688	280
M01357	-15.70817	279
M00114	-15.73433	278
M00079	-15.787143	277
M01422	-15.856116	276
M00189	-15.911473	275
M00351	-15.985268	274
M01036	-16.004732	273
M01273	-16.226116	272

M01337	-16.254887	271
M01364	-16.305446	270
M00095	-16.320446	269
M01118	-16.435848	268
M00241	-16.646429	267
M01340	-16.765179	266
M00143	-16.853527	265
M01303	-17.06683	264
M00245	-17.10817	263
M01402	-17.14308	262
M00446	-17.269911	261
M00144	-17.282515	260
M01343	-17.54433	259
M00716	-17.60183	258
M01461	-17.670402	257
M01315	-17.825759	256
M00725	-17.879063	255
M01394	-17.937612	254
M01338	-18.018884	253
M01466	-18.087723	252
M00726	-18.213571	251
M01366	-18.2425	250
M01327	-18.337351	249
M00616	-18.35593	248
M01438	-18.535982	247
M00243	-18.581429	246
M00137	-18.723036	245
M01452	-18.9275	244
M01403	-18.9975	243
M00437	-19.015665	242
M01067	-19.07942	241
M01460	-19.168214	240
M01416	-19.230804	239
M01397	-19.476563	238
M01255	-19.612589	237
M01440	-19.888482	236
M01427	-19.902321	235
M00310	-20.054718	234
M01417	-20.123705	233
M01319	-20.362366	232
M01484	-20.405357	231
M01393	-20.405714	230
M01162	-20.418705	229
M01148	-20.44308	228
M01653	-20.451116	227
M00162	-20.51094	226

M01401	-20.533795	225
M00127	-20.620134	224
M01429	-20.827321	223
M01069	-20.838047	222
M01314	-20.86692	221
M01487	-21.04223	220
M01219	-21.046384	219
M01124	-21.424643	218
M01376	-21.497455	217
M01371	-21.535536	216
M01415	-21.66067	215
M00136	-21.668839	214
M00640	-21.760625	213
M01173	-22.057411	212
M01199	-22.079107	211
M01444	-22.130449	210
M01177	-22.540112	209
M01216	-22.557232	208
M00311	-22.585982	207
M01480	-22.669241	206
M01599	-22.786875	205
M01247	-22.9576	204
M01367	-23.025313	203
M01168	-23.050848	202
M01359	-23.13375	201
M00161	-23.154554	200
M00100	-23.189955	199
M01413	-23.270357	198
M00478	-23.31529	197
M01398	-23.34808	196
M01229	-23.413661	195
M00622	-23.415869	194
M01455	-23.418036	193
M00006	-23.524866	192
M01421	-23.547098	191
M00145	-23.736696	190
M00947	-23.773304	189
M00482	-23.83625	188
M00210	-23.840268	187
M01448	-23.876295	186
M00078	-24.235938	185
M00623	-24.322277	184
M01450	-24.356027	183
M01325	-24.369196	182
M01435	-24.455625	181
M01468	-24.477143	180



M00800	-24.574464	179
M01433	-24.708705	178
M01358	-24.770938	177
M00160	-24.882455	176
M00477	-25.046003	175
M01047	-25.089286	174
M00080	-25.227768	173
M01392	-25.234196	172
M00380	-25.308649	171
M01317	-25.314053	170
M01659	-25.632481	169
M01479	-25.775759	168
M00206	-25.817545	167
M01000	-25.818705	166
M01313	-25.831652	165
M01423	-25.845223	164
M01365	-25.84692	163
M00734	-25.87317	162
M01073	-26.02875	161
M01326	-26.08683	160
M01462	-26.239643	159
M01362	-26.573973	158
M00324	-26.769955	157
M01348	-27.002277	156
M01147	-27.059598	155
M00291	-27.197232	154
M01345	-27.308929	153
M01486	-27.633571	152
M01431	-27.674821	151
M01381	-27.810134	150
M01297	-28.024567	149
M01445	-28.041793	148
M01458	-28.106161	147
M00290	-28.676818	146
M01332	-28.773973	145
M01323	-28.784464	144
M01339	-28.788839	143
M01449	-28.823031	142
M01396	-28.846833	141
M00938	-29.21692	140
M01453	-29.582634	139
M00982	-30.00317	138
M01400	-30.074643	137
M01385	-30.231563	136
M01328	-30.239955	135
M01594	-30.455731	134

M01318	-30.672009	133
M00724	-31.470334	132
M00082	-31.635268	131
M01344	-31.753013	130
M01439	-31.773661	129
M01012	-31.776549	128
M01405	-31.978348	127
M01424	-32.276116	126
M00196	-32.354866	125
M01412	-32.467009	124
M01355	-33.111205	123
M00639	-33.177813	122
M01356	-33.179911	121
M00729	-33.350982	120
M01253	-33.368973	119
M00464	-33.664196	118
M01341	-34.083393	117
M01451	-34.641066	116
M01336	-35.031518	115
M01373	-35.084427	114
M00318	-35.349621	113
M00103	-35.63067	112
M00930	-35.645329	111
M01426	-35.662589	110
M00216	-35.808438	109
M00099	-35.86567	108
M00377	-35.872098	107
M01472	-35.904643	106
M01446	-36.002902	105
M01476	-36.206178	104
M01370	-36.246518	103
M00102	-36.473348	102
M00406	-36.552021	101
M01320	-36.981741	100
M01454	-37.055536	99
M01230	-37.570938	98
M00416	-38.137188	97
M01369	-38.377321	96
M01474	-38.45058	95
M00323	-38.557009	94
M01335	-38.830848	93
M01075	-39.016429	92
M00269	-39.196116	91
M01321	-39.808968	90
M00096	-39.927768	89
M01292	-40.226159	88

M01467	-40.23433	87
M00248	-41.029141	86
M01654	-41.091234	85
M00423	-41.813973	84
M00980	-42.103294	83
M00135	-42.589923	82
M00405	-42.861126	81
M01469	-44.118661	80
M00795	-44.169559	79
M00803	-44.395179	78
M01410	-44.766875	77
M00252	-45.455536	76
M00321	-45.965089	75
M01406	-46.200089	74
M00129	-46.298036	73
M00510	-48.11308	72
M01010	-48.224509	71
M00403	-48.241334	70
M00132	-48.898438	69
M01470	-48.939107	68
M00791	-49.317321	67
M00131	-49.416696	66
M01593	-49.455491	65
M01477	-49.490402	64
M01368	-49.719705	63
M00915	-51.163482	62
M01353	-52.251696	61
M01391	-53.05683	60
M00790	-53.201295	59
M01125	-54.699063	58
M00424	-54.896384	57
M00233	-54.954018	56
M01377	-54.96442	55
M01418	-55.202143	54
M01489	-55.291384	53
M00802	-56.099063	52
M00465	-56.891473	51
M00489	-57.549676	50
M00471	-57.766652	49
M00373	-57.925179	48
M00809	-58.264866	47
M00451	-58.36942	46
M00294	-58.553214	45
M01351	-60.076652	44
M01404	-61.209539	43
M01375	-62.41317	42

M00941	-62.690714	41
M01232	-62.694063	40
M01360	-63.146607	39
M01464	-65.377366	38
M01471	-66.305625	37
M01408	-66.959018	36
M01137	-67.386473	35
M00744	-67.714286	34
M01324	-68.05308	33
M01301	-69.411964	32
M00991	-70.715893	31
M00289	-71.875714	30
M00101	-73.20808	29
M00267	-73.480848	28
M01399	-73.88808	27
M01011	-75.041964	26
M00672	-76.567009	25
M01316	-78.34433	24
M00231	-78.558095	23
M00742	-79.030893	22
M01409	-79.666741	21
M01354	-79.727679	20
M00232	-80.271875	19
M01465	-84.64308	18
M01183	-86.075	17
M01294	-86.084866	16
M01363	-86.706429	15
M00026	-86.985077	14
M00081	-88.240402	13
M01432	-88.40058	12
M00463	-90.813482	11
M00422	-90.830916	10
M01473	-91.489688	9
M00407	-91.581875	8
M00293	-92.183527	7
M00130	-93.386071	6
M00268	-96.541175	5
M00138	-138.00249	4
M01420	-156.99121	3
M01483	-209.43603	2
M00987	-221.05448	1