

Supplementary Table 1: Dysregulated transcripts in higher vs. lower self-renewing tumorspheres

Column #	gene_assignm	Gene Symbol	RefSeq	mrna_assignm	Fold-change
17808	NM_000064 // C3		NM_000064	NM_000064 //	-9.80151
25035	NM_000587 // C7		NM_000587	NM_000587 //	-9.66509
31513	NM_002364 // MAGEB2		NM_002364	NM_002364 //	-8.93256
8921	NM_006169 // NNMT		NM_006169	NM_006169 //	-6.1603
27684	NM_003247 // THBS2		NM_003247	NM_003247 //	-5.97582
6246	---		---	AL832451 // C	-5.7161
11628	NM_006475 // POSTN		NM_006475	NM_006475 //	-5.4787
23904	NM_017581 // CHRNA9		NM_017581	NM_017581 //	-5.11622
32137	NM_00101793 DCAF8L1		NM_00101793	NM_00101793	-4.82092
26772	NM_00102985 SLC35F1		NM_00102985	NM_00102985	-4.80847
20398	NM_003469 // SCG2		NM_003469	NM_003469 //	-4.7138
6247	NM_004120 // GBP2		NM_004120	NM_004120 //	-4.65313
12008	NM_000956 // PTGER2		NM_000956	NM_000956 //	-4.41451
32109	NM_00107985 GPR64		NM_00107985	NM_00107985	-4.36306
24447	NM_000730 // CCKAR		NM_000730	NM_000730 //	-4.34636
4852	NM_014839 // LPPR4		NM_014839	NM_014839 //	-4.12051
21345	NM_002243 // KCNJ15		NM_002243	NM_002243 //	-4.04998
32868	NM_001710 // CFB		NM_001710	NM_001710 //	-3.92304
30513	NM_003275 // TMOD1		NM_003275	NM_003275 //	-3.89589
7751	NM_173576 // MKX		NM_173576	NM_173576 //	-3.88714
26445	NM_001710 // CFB		NM_001710	NM_001710 //	-3.8821
19985	NM_000575 // IL1A		NM_000575	NM_000575 //	-3.81093
24024	NM_001657 // AREG		NM_001657	NM_001657 //	-3.7682
31772	NM_014467 // SRPX2		NM_014467	NM_014467 //	-3.60736
17634	NM_00114501 RFPL4A		NM_00114501	NM_00114501	-3.60454
24155	NM_133477 // SYNPO2		NM_133477	NM_133477 //	-3.60372
27591	---		---	ENST0000041	-3.56966
24222	NM_001957 // EDNRA		NM_001957	NM_001957 //	-3.52587
22944	NM_006580 // CLDN16		NM_006580	NM_006580 //	-3.38161
16565	NM_00112858 SLC14A1		NM_00112858	NM_00112858	-3.37347
12666	NM_00100223 SERPINA1		NM_00100223	NM_00100223	-3.35763
31754	NM_138960 // TGIF2LX		NM_138960	NM_138960 //	-3.33536
17633	NM_00114501 RFPL4A		NM_00114501	NM_00114501	-3.3099
25075	NM_138453 // RAB3C		NM_138453	NM_138453 //	-3.28987
29437	NM_000067 // CA2		NM_000067	NM_000067 //	-3.25985
24604	NM_001565 // CXCL10		NM_001565	NM_001565 //	-3.24973
11596	NM_002019 // FLT1		NM_002019	NM_002019 //	-3.22188
32651	NM_139214 // TGIF2LY		NM_139214	NM_139214 //	-3.20976
24174	NM_024582 // FAT4		NM_024582	NM_024582 //	-3.14771
33001	NM_001710 // CFB		NM_001710	NM_001710 //	-3.14069
25614	NM_003966 // SEMA5A		NM_003966	NM_003966 //	-3.1147
23936	NM_023940 // RASL11B		NM_023940	NM_023940 //	-3.10502
6804	NM_000963 // PTGS2		NM_000963	NM_000963 //	-3.09565
6068	NR_002755 // RNU5D		NR_002755	NR_002755 //	-3.08595
19117	NM_003937 // KYNU		NM_003937	NM_003937 //	-3.07267

13524	NM_001218 //CA12	NM_001218	NM_001218 //	-3.06835
28829	NM_001185 //AZGP1	NM_001185	NM_001185 //	-3.06778
21862	---	---	ENST0000046	-3.06345
7413	NM_004670 //PAPSS2	NM_004670	NM_004670 //	-3.05823
10203	NM_000924 //PDE1B	NM_000924	NM_000924 //	-3.03838
27773	NM_000600 //IL6	NM_000600	NM_000600 //	-3.00383
812	---	---	--- // --- // po	-3.00157
5740	NM_001561 //TNFRSF9	NM_001561	NM_001561 //	-2.99803
7316	NM_002727 //SRGN	NM_002727	NM_002727 //	-2.9718
23506	NM_005630 //SLCO2A1	NM_005630	NM_005630 //	-2.95571
6693	NM_003617 //RGS5	NM_003617	NM_003617 //	-2.94796
23018	NM_003256 //TIMP4	NM_003256	NM_003256 //	-2.89017
21404	NM_020528 //PCBP3	NM_020528	NM_020528 //	-2.87412
5197	NM_002036 //DARC	NM_002036	NM_002036 //	-2.8682
5195	NM_021189 //CADM3	NM_021189	NM_021189 //	-2.85781
7995	NM_019859 //HTR7	NM_019859	NM_019859 //	-2.84782
31211	NM_002160 //TNC	NM_002160	NM_002160 //	-2.83723
28753	NM_006379 //SEMA3C	NM_006379	NM_006379 //	-2.8071
22837	NM_00116821LOC401097	NM_00116821	NM_00116821	-2.79852
32136	NR_002784 //SMEK3P	NR_002784	NR_002784 //	-2.77874
25484	NM_000806 //GABRA1	NM_000806	NM_000806 //	-2.76196
23646	NM_003810 //TNFSF10	NM_003810	NM_003810 //	-2.75845
20401	NM_006216 //SERPINE2	NM_006216	NM_006216 //	-2.73819
31603	NM_001477 //GAGE12I	NM_001477	NM_001477 //	-2.71897
31607	NM_00112734GAGE12B	NM_00112734	NM_00112734	-2.71897
31610	NM_0010984CGAGE12G	NM_0010984C	NM_0010984C	-2.71636
31611	NM_0010984CGAGE12G	NM_0010984C	NM_0010984C	-2.71636
11812	NM_004093 //EFNB2	NM_004093	NM_004093 //	-2.69877
25665	NM_000949 //PRLR	NM_000949	NM_000949 //	-2.68346
26786	NM_001446 //FABP7	NM_001446	NM_001446 //	-2.66926
25922	NM_002317 //LOX	NM_002317	NM_002317 //	-2.60562
25856	NM_002064 //GLRX	NM_002064	NM_002064 //	-2.60558
32874	NM_002122 //HLA-DQA1	NM_002122	NM_002122 //	-2.59761
33009	NM_002122 //HLA-DQA1	NM_002122	NM_002122 //	-2.59761
25524	NM_002449 //MSX2	NM_002449	NM_002449 //	-2.59741
31604	NM_0010984CGAGE12J	NM_0010984C	NM_0010984C	-2.59154
27647	NM_00102446SOD2	NM_00102446	NM_00102446	-2.58102
27569	NM_00114367SGK1	NM_00114367	NM_00114367	-2.57908
862	---	---	--- // --- // po	-2.57499
26122	NM_003062 //SLIT3	NM_003062	NM_003062 //	-2.57108
25025	NM_004172 //SLC1A3	NM_004172	NM_004172 //	-2.56728
15720	NM_002903 //RCVRN	NM_002903	NM_002903 //	-2.5604
7340	NM_019058 //DDIT4	NM_019058	NM_019058 //	-2.55995
28612	NM_00101339IGFBP3	NM_00101339	NM_00101339	-2.55604
8867	NM_001165 //BIRC3	NM_001165	NM_001165 //	-2.55157
32904	NM_003897 //IER3	NM_003897	NM_003897 //	-2.53564
27122	NM_003897 //IER3	NM_003897	NM_003897 //	-2.51567
33032	NM_003897 //IER3	NM_003897	NM_003897 //	-2.51567
6335	---	---	ENST0000036	-2.51128

11232 NR_003925 // RNU4-1	NR_003925	NR_003925 //	-2.50734
7983 NM_018363 // RNLS	NM_018363	NM_018363 //	-2.49939
6649 NM_004833 // AIM2	NM_004833	NM_004833 //	-2.47856
21119 NM_002999 // SDC4	NM_002999	NM_002999 //	-2.47831
24015 NM_000584 // IL8	NM_000584	NM_000584 //	-2.47811
31472 NM_004726 // REPS2	NM_004726	NM_004726 //	-2.45506
21117 NM_003064 // SLPI	NM_003064	NM_003064 //	-2.45459
24537 NM_001553 // IGFBP7	NM_001553	NM_001553 //	-2.45262
8898 NM_178834 // LAYN	NM_178834	NM_178834 //	-2.4508
32629 NM_001289 // CLIC2	NM_001289	NM_001289 //	-2.44301
25847 NM_00114567 C5orf36	NM_00114567	NM_00114567	-2.42478
4980 ---	---	ENST0000036	-2.41957
31605 NM_0010984C GAGE12J	NM_0010984C	NM_0010984C	-2.40301
10335 NM_014903 // NAV3	NM_014903	NM_014903 //	-2.3959
15320 NM_000212 // ITGB3	NM_000212	NM_000212 //	-2.38694
18653 NM_012413 // QPCT	NM_012413	NM_012413 //	-2.38664
2093 ---	---	--- // --- // po	-2.3832
27379 NM_004370 // COL12A1	NM_004370	NM_004370 //	-2.37799
7987 NM_003956 // CH25H	NM_003956	NM_003956 //	-2.36911
29843 NM_005195 // CEBPD	NM_005195	NM_005195 //	-2.36804
9772 NM_001885 // CRYAB	NM_001885	NM_001885 //	-2.36713
12417 NM_022073 // EGLN3	NM_022073	NM_022073 //	-2.3609
25442 NM_002084 // GPX3	NM_002084	NM_002084 //	-2.33032
22281 NM_138712 // PPARG	NM_138712	NM_138712 //	-2.32593
29415 NM_015364 // LY96	NM_015364	NM_015364 //	-2.3242
31509 NM_182506 // MAGEB10	NM_182506	NM_182506 //	-2.29869
25848 NM_00114567 C5orf36	NM_00114567	NM_00114567	-2.2923
30799 NM_152629 // GLIS3	NM_152629	NM_152629 //	-2.27678
4853 NM_017734 // PALMD	NM_017734	NM_017734 //	-2.27351
1663 ---	---	--- // --- // po	-2.24545
17690 ---	---	ENST0000051	-2.23488
16590 NM_004163 // RAB27B	NM_004163	NM_004163 //	-2.22753
25030 NM_003999 // OSMR	NM_003999	NM_003999 //	-2.22746
31606 NM_0010984C GAGE12J	NM_0010984C	NM_0010984C	-2.2266
27660 NM_004562 // PARK2	NM_004562	NM_004562 //	-2.223
22686 NM_006810 // PDIA5	NM_006810	NM_006810 //	-2.21886
31373 ---	---	---	-2.21771
3577 ---	---	--- // --- // po	-2.21178
32453 NM_017938 // FAM70A	NM_017938	NM_017938 //	-2.19484
31609 NM_00112734 GAGE12B	NM_00112734	NM_00112734	-2.19314
32578 NM_004961 // GABRE	NM_004961	NM_004961 //	-2.19228
19430 NM_004591 // CCL20	NM_004591	NM_004591 //	-2.18776
6245 ---	---	ENST0000043	-2.17591
19917 NM_004418 // DUSP2	NM_004418	NM_004418 //	-2.16749
7414 NM_000314 // PTEN	NM_000314	NM_000314 //	-2.16397
28183 NM_001753 // CAV1	NM_001753	NM_001753 //	-2.15497
30038 NM_00104062 NCALD	NM_00104062	NM_00104062	-2.14698
21512 NM_00113615 ERG	NM_00113615	NM_00113615	-2.14507
26926 NM_152410 // PACRG	NM_152410	NM_152410 //	-2.14155

14958	NM_001251 //CD68	NM_001251	NM_001251 //	-2.13938
25157	NM_005242 //F2RL1	NM_005242	NM_005242 //	-2.13889
20786	NM_005194 //CEBPB	NM_005194	NM_005194 //	-2.1375
6634	NM_012081 //ELL2	NM_012081	NM_012081 //	-2.12893
6072	NM_00116629PTCH2	NM_00116629	NM_00116629	-2.12875
27187	NM_033554 //HLA-DPA1	NM_033554	NM_033554 //	-2.12541
32949	NM_033554 //HLA-DPA1	NM_033554	NM_033554 //	-2.12541
23383	ENST0000038 LOC151760	ENST0000038	ENST0000038	-2.12264
28130	NM_000602 //SERPINE1	NM_000602	NM_000602 //	-2.11771
9741	NM_033292 //CASP1	NM_033292	NM_033292 //	-2.11635
6244	NM_002053 //GBP1	NM_002053	NM_002053 //	-2.11575
30694	NM_000050 //ASS1	NM_000050	NM_000050 //	-2.11291
18796	NM_000189 //HK2	NM_000189	NM_000189 //	-2.10601
7601	NM_002775 //HTRA1	NM_002775	NM_002775 //	-2.10521
23709	NM_198152 //UTS2D	NM_198152	NM_198152 //	-2.1007
27793	AK056484 // LLOC441204	AK056484	AK056484 // C	-2.09868
11155	NM_00114234 CMKLR1	NM_00114234	NM_00114234	-2.09797
24018	NM_001511 //CXCL1	NM_001511	NM_001511 //	-2.09609
25021	NM_002185 //IL7R	NM_002185	NM_002185 //	-2.09425
9680	NM_001814 //CTSC	NM_001814	NM_001814 //	-2.09003
25730	NM_00101799ACTBL2	NM_00101799	NM_00101799	-2.08932
17034	NM_000201 //ICAM1	NM_000201	NM_000201 //	-2.08913
23991	NM_152997 //C4orf7	NM_152997	NM_152997 //	-2.07809
4862	NM_001078 //VCAM1	NM_001078	NM_001078 //	-2.07695
27762	NM_001621 //AHR	NM_001621	NM_001621 //	-2.07074
22244	NM_003670 //BHLHE40	NM_003670	NM_003670 //	-2.06983
32873	NM_019111 //HLA-DRA	NM_019111	NM_019111 //	-2.06242
18956	NM_001056 //SULT1C2	NM_001056	NM_001056 //	-2.05394
12886	NM_013372 //GREM1	NM_013372	NM_013372 //	-2.04928
5196	---	---	ENST0000041	-2.04379
25279	NM_005460 //SNCAIP	NM_005460	NM_005460 //	-2.0395
19418	NM_152386 //SGPP2	NM_152386	NM_152386 //	-2.03225
24242	NM_015271 //TRIM2	NM_015271	NM_015271 //	-2.02962
19250	NM_016315 //GULP1	NM_016315	NM_016315 //	-2.0264
23602	NM_00116821LOC401097	NM_00116821	NM_00116821	-2.02578
25067	NM_139017 //IL31RA	NM_139017	NM_139017 //	-2.02352
30890	NR_023917 //PTENP1	NR_023917	NR_023917 //	-2.0162
26956	NM_030666 //SERPINB1	NM_030666	NM_030666 //	-2.01253
6334	NM_002232 //KCNA3	NM_002232	NM_002232 //	-2.01081
10767	NM_030762 //BHLHE41	NM_030762	NM_030762 //	-2.01014
7420	NM_020799 //STAMBPL1	NM_020799	NM_020799 //	-2.00837
6249	NM_052941 //GBP4	NM_052941	NM_052941 //	-2.00505
7712	NM_001081 //CUBN	NM_001081	NM_001081 //	-2.0019
30567	NM_003358 //UGCG	NM_003358	NM_003358 //	-2.00011
12857	---	---	ENST0000038	2.00953
6478	NM_003528 //HIST2H2BE	NM_003528	NM_003528 //	2.01844
705	---	---	--- // --- // ne	2.02261
657	---	---	--- // --- // ne	2.02576
17805	NM_006087 //TUBB4	NM_006087	NM_006087 //	2.02616

3125 ---	---	---	// --- // ne	2.02673
30452 ---	---	ENST0000036		2.0437
5376 NM_000186 //CFH	NM_000186	NM_000186 //		2.0462
8164 NM_00100546 EBF3	NM_00100546	NM_00100546		2.05199
1288 ---	---	---	// --- // ne	2.05503
27750 NM_138426 //GLCCI1	NM_138426	NM_138426 //		2.05669
948 ---	---	---	// --- // ne	2.06121
18600 NM_020134 //DPYSL5	NM_020134	NM_020134 //		2.06395
644 ---	---	---	// --- // ne	2.08453
30996 NR_002836 // PGM5P2	NR_002836	NR_002836 //		2.0853
30995 NR_002836 // PGM5P2	NR_002836	NR_002836 //		2.10178
16712 NM_00113767POTEC	NM_00113767	NM_00113767		2.10506
22304 NM_054110 //GALNTL2	NM_054110	NM_054110 //		2.11445
22918 NM_004443 //EPHB3	NM_004443	NM_004443 //		2.11716
29760 NM_022659 //EBF2	NM_022659	NM_022659 //		2.12753
2301 ---	---	---	// --- // ne	2.12866
20418 NM_152527 //SLC16A14	NM_152527	NM_152527 //		2.14684
14021 NM_013292 //MYLPF	NM_013292	NM_013292 //		2.14949
13711 NM_020211 //RGMA	NM_020211	NM_020211 //		2.15345
22749 NM_004441 //EPHB1	NM_004441	NM_004441 //		2.16958
32084 NM_00100199GPM6B	NM_00100199	NM_00100199		2.17075
2463 ---	---	---	// --- // ne	2.17261
6198 NM_173808 //NEGR1	NM_173808	NM_173808 //		2.17948
2094 ---	---	---	// --- // ne	2.17986
10336 NM_005639 //SYT1	NM_005639	NM_005639 //		2.19343
11001 NM_153377 //LRIG3	NM_153377	NM_153377 //		2.1953
17343 NM_016941 //DLL3	NM_016941	NM_016941 //		2.19592
2618 ---	---	---	// --- // ne	2.22017
28770 NM_024636 //STEAP4	NM_024636	NM_024636 //		2.22431
3386 ---	---	---	// --- // po	2.23566
20048 NM_00108353POTEE	NM_00108353	NM_00108353		2.24247
20344 ---	---	ENST0000049		2.26906
1581 ---	---	---	// --- // ne	2.27885
21905 NM_00114544POTEM	NM_00114544	NM_00114544		2.28876
11843 NM_00114544POTEM	NM_00114544	NM_00114544		2.28985
6260 NM_003243 //TGFBR3	NM_003243	NM_003243 //		2.30542
12311 NR_027480 //POTEG	NR_027480	NR_027480 //		2.36073
19074 NM_00108353POTEE	NM_00108353	NM_00108353		2.36184
1140 ---	---	---	// --- // ne	2.36898
20035 NM_00109977POTEF	NM_00109977	NM_00109977		2.42653
1374 ---	---	---	// --- // ne	2.43847
30453 NM_006180 //NTRK2	NM_006180	NM_006180 //		2.44057
6768 NM_004673 //ANGPTL1	NM_004673	NM_004673 //		2.44268
6113 NM_002867 //RAB3B	NM_002867	NM_002867 //		2.45073
24390 NM_001313 //CRMP1	NM_001313	NM_001313 //		2.51031
29398 NM_024870 //PREX2	NM_024870	NM_024870 //		2.54672
20830 NM_207032 //EDN3	NM_207032	NM_207032 //		2.55095
31846 NM_002578 //PAK3	NM_002578	NM_002578 //		2.61359
24188 NM_032961 //PCDH10	NM_032961	NM_032961 //		2.62432

16839	NM_005912 //MC4R	NM_005912	NM_005912 //	2.6617
999	---	---	--- // --- // ne	2.67677
20419	---	---	ENST0000036	2.70626
27786	NM_000905 //NPY	NM_000905	NM_000905 //	2.75451
27829	NM_030636 //EEP1	NM_030636	NM_030636 //	2.81967
8110	NM_005264 //GFRA1	NM_005264	NM_005264 //	3.01386
24440	NM_018176 //LGI2	NM_018176	NM_018176 //	3.06241
6375	NM_001232 //CASQ2	NM_001232	NM_001232 //	3.18184
24889	NM_000860 //HPGD	NM_000860	NM_000860 //	3.19854
10817	NM_006159 //NELL2	NM_006159	NM_006159 //	3.36861
12749	---	---	ENST0000043	3.42394
14233	NM_001740 //CALB2	NM_001740	NM_001740 //	3.47981
16860	NM_182511 //CBLN2	NM_182511	NM_182511 //	3.60537
20800	NM_018431 //DOK5	NM_018431	NM_018431 //	3.65648
29476	NM_00114246 OSR2	NM_00114246	NM_00114246	3.77934
13359	NM_005159 //ACTC1	NM_005159	NM_005159 //	3.92298
7164	NM_032812 //PLXDC2	NM_032812	NM_032812 //	4.13583
20340	NM_079420 //MYL1	NM_079420	NM_079420 //	4.2751
10725	NM_000834 //GRIN2B	NM_000834	NM_000834 //	4.9206
20342	NM_005235 //ERBB4	NM_005235	NM_005235 //	5.81068
10410	NM_004316 //ASCL1	NM_004316	NM_004316 //	6.1049
12231	NM_003836 //DLK1	NM_003836	NM_003836 //	8.06174

Supplementary Table 2: Dysregulated transcripts in higher vs. lower self-renewing MB tumorspheres associated with cellular movement

Molecule Name	Fold change (higher self-renewing vs. lower self-renewing)
C3	-9.80151
C7	-9.66509
THBS2	-5.97582
POSTN	-5.4787
SCG2	-4.7138
PTGER2	-4.41451
CCKAR	-4.34636
CFB	-3.92304
IL1A	-3.81093
AREG/AREGB	-3.7682
SRPX2	-3.60736
EDNRA	-3.52587
SERPINA1	-3.35763
CXCL10	-3.24973
FLT1	-3.22188
SEMA5A	-3.1147
PTGS2	-3.09565
AZGP1	-3.06778
IL6	-3.00383
TNFRSF9	-2.99803
TIMP4	-2.89017
DARC	-2.8682
TNC	-2.83723
SEMA3C	-2.8071
TNFSF10	-2.75845
SERPINE2	-2.73819
EFNB2	-2.69877
PRLR	-2.68346
FABP7	-2.66926
LOX	-2.60562
GLRX	-2.60558
MSX2	-2.59741
SOD2	-2.58102
SLIT3	-2.57108
SLC1A3	-2.56728
IGFBP3	-2.55604
SDC4	-2.47831
IL8	-2.47811
REPS2	-2.45506
SLPI	-2.45459
ITGB3	-2.38694
QPCT	-2.38664
CRYAB	-2.36713
EGLN3	-2.3609

PPARG	-2.32593
LY96	-2.3242
OSMR	-2.22746
PARK2	-2.223
CCL20	-2.18776
PTEN	-2.16397
CAV1	-2.15497
ERG	-2.14507
F2RL1	-2.13889
SERPINE1	-2.11771
CASP1	-2.11635
HTRA1	-2.10521
CMKLR1	-2.09797
CXCL1	-2.09609
CTSC	-2.09003
ICAM1	-2.08913
VCAM1	-2.07695
AHR	-2.07074
BHLHE40	-2.06983
GREM1	-2.04928
SERPINB1	-2.01253
KCNA3	-2.01081
CFH	2.0462
EBF3	2.05199
EPHB3	2.11716
EBF2	2.12753
EPHB1	2.16958
TGFBR3	2.30542
NTRK2	2.44057
ANGPTL1	2.44268
CRMP1	2.51031
EDN3	2.55095
PAK3	2.61359
PCDH10	2.62432
MC4R	2.6617
NPY	2.75451
GFRA1	3.01386
ERBB4	5.81068
ASCL1	6.1049

Supplementary Table 3: Predicted activation states of dysregulated cell movement transcripts in higher vs. lower self-renewing MB tumorspheres.

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Category	Functions Annotation	p-Value	Predicted Act	Activation z-sc
Cellular Mover	migration of cells	1.17E-22	Decreased	-3.730
Cellular Mover	cell movement	1.05E-21	Decreased	-3.443
Cellular Mover	homing	2.24E-15	Decreased	-2.425
Cellular Mover	recruitment of cells	3.95E-15	Decreased	-2.917
Cellular Mover	homing of cells	5.18E-15	Decreased	-2.425
Cellular Mover	cell movement of myeloid cells	1.61E-14	Decreased	-3.551
Cellular Mover	chemotaxis	1.88E-14	Decreased	-2.272
Cellular Mover	recruitment of leukocytes	1.91E-14	Decreased	-2.823
Cellular Mover	chemotaxis of cells	3.69E-14	Decreased	-2.272
Cellular Mover	recruitment of phagocytes	8.02E-14	Decreased	-2.668
Cellular Mover	recruitment of granulocytes	1.04E-13	Decreased	-2.416
Cellular Mover	cell movement of phagocytes	1.61E-13	Decreased	-3.184
Cellular Mover	recruitment of neutrophils	3.61E-13	Decreased	-2.229
Cellular Mover	cell movement of granulocytes	2.71E-12	Decreased	-3.772
Cellular Mover	cell movement of neutrophils	4.31E-12	Decreased	-3.689
Cellular Mover	leukocyte migration	5.56E-12	Decreased	-3.853
Cellular Mover	invasion of cells	1.26E-11		-0.987
Cellular Mover	migration of endothelial cells	4.00E-11	Decreased	-3.414
Cellular Mover	chemotaxis of leukocytes	7.63E-11	Decreased	-2.757
Cellular Mover	cell movement of leukocytes	1.16E-10	Decreased	-3.099
Cellular Mover	cell movement of tumor cell lines	1.63E-10	Decreased	-2.277
Cellular Mover	chemotaxis of myeloid cells	3.23E-10	Decreased	-3.086
Cellular Mover	chemotaxis of phagocytes	5.46E-10	Decreased	-3.115
Cellular Mover	migration of phagocytes	5.98E-10		-1.749
Cellular Mover	infiltration	2.12E-09		-1.919
Cellular Mover	migration of tumor cell lines	3.43E-09	Decreased	-2.497
Cellular Mover	infiltration of cells	8.84E-09		-1.919
Cellular Mover	cell movement of antigen presen	1.28E-08		-1.055
Cellular Mover	infiltration of leukocytes	1.63E-08	Decreased	-2.203
Cellular Mover	cell movement of macrophages	2.02E-08		-0.693
Cellular Mover	transmigration of granulocytes	4.67E-08		-0.964
Cellular Mover	migration of mononuclear leukoc	4.70E-08		-1.880
Cellular Mover	chemotaxis of granulocytes	6.59E-08	Decreased	-2.486
Cellular Mover	migration of granulocytes	1.04E-07		-1.679
Cellular Mover	transmigration of neutrophils	1.74E-07		-1.334
Cellular Mover	cell movement of mononuclear le	2.68E-07	Decreased	-2.218
Cellular Mover	invasion of epithelial cell lines	2.76E-07	Decreased	-2.395
Cellular Mover	migration of neutrophils	3.63E-07		-1.870
Cellular Mover	infiltration of myeloid cells	3.89E-07	Decreased	-2.703
Cellular Mover	infiltration by neutrophils	4.11E-07	Decreased	-2.777
Cellular Mover	cell movement of epithelial cell lii	5.50E-07	Decreased	-2.008
Cellular Mover	migration of dermal cells	1.27E-06		-1.195
Cellular Mover	invasion of tumor cell lines	1.49E-06		-1.450

Cellular Mover infiltration of granulocytes	1.73E-06	Decreased	-2.970
Cellular Mover recruitment of monocytes	2.50E-06		
Cellular Mover chemotaxis of neutrophils	2.81E-06	Decreased	-2.369
Cellular Mover T cell migration	2.89E-06		-1.857
Cellular Mover transmigration of cells	2.91E-06		-0.446
Cellular Mover cell movement of T lymphocytes	3.18E-06		-1.644
Cellular Mover cell movement of monocytes	3.58E-06		-1.675
Cellular Mover transmigration of phagocytes	4.43E-06		-0.840
Cellular Mover migration of monocytes	5.34E-06		-0.600
Cellular Mover transmigration of leukocytes	6.87E-06		-0.652
Cellular Mover Lymphocyte migration	7.29E-06	Decreased	-2.067
Cellular Mover infiltration by macrophages	1.05E-05		-0.488
Cellular Mover chemoattraction of cells	1.09E-05		-1.727
Cellular Mover cell movement of kidney cell line:	1.21E-05		-1.238
Cellular Mover recruitment of mononuclear leuko	1.37E-05		-1.849
Cellular Mover cell movement of lymphocytes	1.51E-05	Decreased	-2.421
Cellular Mover migration of antigen presenting c	1.67E-05		-0.880
Cellular Mover movement of vascular endothelia	1.68E-05		-1.845
Cellular Mover migration of embryonic cells	2.16E-05		-0.640
Cellular Mover migration of vascular smooth mu	3.07E-05	Decreased	-2.433
Cellular Mover migration of neural crest cells	3.18E-05		0.000
Cellular Mover mobilization of hematopoietic prc	3.88E-05		-1.410
Cellular Mover chemotaxis of eosinophils	4.51E-05		-1.481
Cellular Mover chemotaxis of antigen presenting	4.62E-05		-1.471
Cellular Mover infiltration by mononuclear leuko	5.15E-05		-0.966
Cellular Mover chemoattraction of phagocytes	5.21E-05	Decreased	-2.164
Cellular Mover recruitment of T lymphocytes	5.39E-05		-1.206
Cellular Mover cell movement of colon cancer ce	5.44E-05	Decreased	-2.619
Cellular Mover infiltration by lymphocytes	6.37E-05		-1.226
Cellular Mover migration of epithelial cell lines	7.22E-05		-1.969
Cellular Mover cell movement of brain cancer ce	7.36E-05		-0.592
Cellular Mover cell movement of embryonic cell	7.36E-05		-1.408
Cellular Mover migration of colon cancer cell line	7.93E-05	Decreased	-2.425
Cellular Mover cell movement of muscle cells	8.25E-05		-1.866
Cellular Mover invasion of prostate cancer cell li	8.70E-05		0.128
Cellular Mover migration of keratinocytes	9.52E-05		-1.387
Cellular Mover migration of vascular endothelial	9.68E-05		-1.561
Cellular Mover recruitment of connective tissue	1.15E-04		-1.258
Cellular Mover recruitment of inflammatory leuk	1.15E-04		

Molecules	# Molecules
AHR,ANGPTL1,AREG/AR	76
AHR,ANGPTL1,AREG/AR	79
C3,CASP1,CAV1,CCL20,	35
AHR,C3,CASP1,CAV1,CC	27
C3,CASP1,CAV1,CCL20,	34
C3,CASP1,CCL20,CFB,CI	33
C3,CASP1,CAV1,CCL20,	33
AHR,C3,CASP1,CAV1,CC	25
C3,CASP1,CAV1,CCL20,	32
AHR,CASP1,CAV1,CCL20,	21
AHR,C3,CASP1,CAV1,CC	20
C3,CASP1,CCL20,CFB,CI	32
AHR,CASP1,CAV1,CCL20,	18
C3,CASP1,CFB,CFH,CXC	25
C3,CASP1,CFB,CFH,CXC	22
AHR,C3,CASP1,CAV1,CC	39
AREG/AREGB,AZGP1,BH	34
ANGPTL1,CAV1,CRYAB,	21
C3,CASP1,CCL20,CMKLF	23
C3,CASP1,CCL20,CFB,CI	34
AREG/AREGB,C3,CAV1,	32
C3,CASP1,CCL20,CMKLF	20
C3,CASP1,CCL20,CMKLF	20
C3,CCL20,CMKLR1,CXCI	19
C3,CASP1,CFB,CFH,CMK	22
AREG/AREGB,CAV1,CCL	26
C3,CASP1,CFB,CFH,CMK	21
C3,CASP1,CCL20,CMKLF	19
C3,CASP1,CFB,CFH,CMK	20
C3,CASP1,CMKLR1,CXCI	16
CXCL10,ICAM1,IL6,IL8,	18
C3,CCL20,CMKLR1,CXCI	19
C3,CASP1,CXCL1,CXCL1	14
C3,CXCL1,CXCL10,DARC	12
ICAM1,IL6,IL8,ITGB3,	7
C3,CCL20,CMKLR1,CXCI	21
AREG/AREGB,IER3,POS	6
CXCL1,DARC,ICAM1,IL6	10
C3,CASP1,CFB,CFH,CXC	13
C3,CASP1,CFB,CFH,CXC	11
C3,CCL20,CXCL1,CXCL1	9
CXCL1,CXCL10,ICAM1,	18
AREG/AREGB,AZGP1,CA	21

C3,CASP1,CFB,CFH,CXC 12
CASP1,CCL20,CXCL10,IL6
CASP1,CXCL1,CXCL10,E 11
C3,CCL20,CXCL10,DARC 13
CXCL10,ICAM1,IL6,IL8,I10
C3,CCL20,CXCL10,DARC 12
CCL20,CXCL10,FLT1,GR 11
ICAM1,IL6,IL8,ITGB3,PF 8
CCL20,FLT1,GREM1,ICA 8
CXCL10,ICAM1,IL6,IL8,I9
C3,CCL20,CMKLR1,CXCL 15
C3,CASP1,CXCL10,DARC 9
C3,CCL20,CXCL1,CXCL1 7
C3,CCL20,CXCL1,CXCL1 9
CASP1,CCL20,CXCL10,I 8
C3,CCL20,CMKLR1,CXCL 16
C3,CCL20,CMKLR1,CXCL 10
CXCL1,EFNB2,F2RL1,FL1 9
EDN3,EFNB2,ERBB4,FLT 8
FLT1,IL1A,IL6,IL8,PTGS: 7
EDN3,EFNB2,ERBB4,ITC 6
CCL20,CXCL10,IL8,SERF 5
C3,CXCL10,IL8,PPARG,S 5
CCL20,CMKLR1,CXCL10 9
C3,CXCL10,DARC,F2RL1 9
C3,CCL20,CXCL1,CXCL1 5
CCL20,CXCL10,ICAM1,IL 6
CAV1,CCL20,CXCL10,F2 7
C3,CXCL10,DARC,F2RL1 8
C3,CCL20,EPHB3,ICAM1 6
CRMP1,FABP7,FLT1,ITGE 7
C3,CCL20,CXCL1,CXCL1 7
CAV1,CCL20,CXCL10,F2 6
CXCL10,FLT1,IL1A,IL6,I 9
CAV1,ERG,IL8,PTEN,SEF 6
CXCL1,CXCL10,ICAM1,IL 6
CXCL1,EFNB2,F2RL1,FL1 8
FLT1,IL6,PTEN,PTGS2 4
C3,CXCL10,IL6,IL8 4