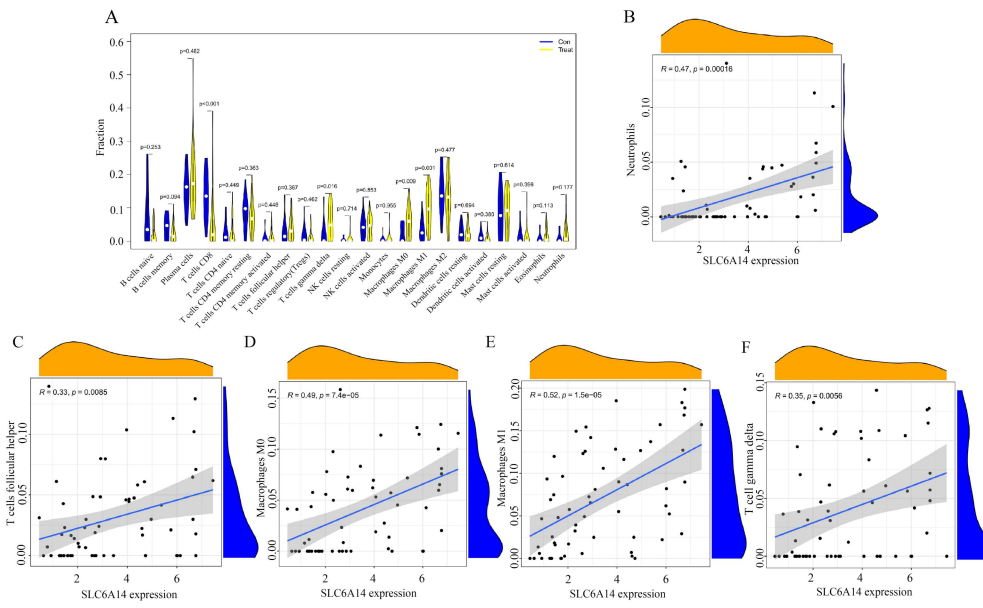


**Figure S1. CCL11, C4BPB, SLC6A14, CCL8, SPINK4, ADGRG7, NXPE1, and BCHE corresponding receiver operating characteristic curves. ROC curve AUC values for each gene are: ADGRG7(AUC=0.751), BCHE((AUC=0.799), C4BPB (AUC=0.9), NXPE1 (AUC=0.889), CCL8 (AUC=0.818), SLC6A14 (AUC=0.881), , SPINK4 (AUC=0.805), CCL11 (AUC=0.915),**



**Figure S2. Correlation between SLC6A14 and the degree of immune cell infiltration in Crohn's disease.** a) Cibersort to evaluate the differences in immune infiltration levels between CD patient samples and normal samples; b) Subsequent correlation analysis further revealed significant positive correlations between SLC6A14 and Neutrophils, Tfh cell, M0, M1, and  $\gamma\delta$  T cells.

**Table S1. The primers for RT-PCR.**

Gene	f-prime (5'→3')	r-prime(5'→3')
h-SLC6A14	AGCAAAGAGGTGGATATTCTG	CACCAATGACCAGATAAAATATTGC
m-SLC6A14	GCTTGCTGGTTTGTTCATCACTC	TACACCAGCCAAGAGCAACTCC
INFG	AGGAACTGGCAAAGGATGGT	GTTGCTGATGGCCTGATTGT
LAG-3	CTACAACCTACCGCGTCATTT	GCTCCAGACCCAGAACCTT
CXCR3	GCCTTCCTGCTGGCTTGTAT	TAGCTGCAGTACACGCAGAG
TNF $\alpha$	GGTGCCTATGTCTCAGCCTCTT	GCCATAGAACTGATGAGAGGGAG
FASLG	GCCCATTTAACAGGCAAGTCC	GCAGGACAATTCCATAGGTGTC
GAPDH	CAACAGCAACTCCCACTCTTC	GGTCCAGGGTT TCTTACTCCTT

**Table S2. Gene Set Enrichment Analysis of CD Related Genes based on immune-related signaling pathways from MSigDB**

ID	setSize	enrichment	NES	pvalue	p.adjust	qvalues	rank
GSE10325_BCELL_VS_MYELOID_DN	161	0.66117	2.358703	1.00E-10	2.81E-09	1.64E-09	1889
GSE10325_CD4_TCELL_VS_BCELL_UP	160	0.645	2.30383	1.00E-10	2.81E-09	1.64E-09	2054
GSE10325_CD4_TCELL_VS_MYELOID_DN	164	0.68933	2.464455	1.00E-10	2.81E-09	1.64E-09	1613
GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_BCELL_DN	145	0.67344	2.372063	1.00E-10	2.81E-09	1.64E-09	1643
GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_BCELL_UP	164	0.62564	2.236727	1.00E-10	2.81E-09	1.64E-09	2054
GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_MYELOID_D	165	0.67343	2.412071	1.00E-10	2.81E-09	1.64E-09	1825
GSE10325_MYELOID_VS_LUPUS_MYELOID_DN	170	0.64134	2.305326	1.00E-10	2.81E-09	1.64E-09	1383
GSE11057_CD4_EFF_MEM_VS_PBMC_DN	160	0.61834	2.208611	1.00E-10	2.81E-09	1.64E-09	2681
GSE11057_PBMC_VS_MEM_CD4_TCELL_UP	168	0.62403	2.245641	1.00E-10	2.81E-09	1.64E-09	1562
GSE12845_PRE_GC_VS_DARKZONE_GC_TONSIL_BCELL_UP	149	0.64938	2.295474	1.00E-10	2.81E-09	1.64E-09	1929
GSE13484_3H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_C_DN	175	0.6201	2.245612	1.00E-10	2.81E-09	1.64E-09	2398
GSE13484_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN	163	0.67099	2.392903	1.00E-10	2.81E-09	1.64E-09	1504
GSE13485_CTRL_VS_DAY3_YF17D_VACCINE_PBMC_DN	154	0.66448	2.365656	1.00E-10	2.81E-09	1.64E-09	1934
GSE13485_CTRL_VS_DAY7_YF17D_VACCINE_PBMC_DN	167	0.69649	2.504955	1.00E-10	2.81E-09	1.64E-09	1504
GSE13485_DAY1_VS_DAY7_YF17D_VACCINE_PBMC_DN	168	0.65754	2.36621	1.00E-10	2.81E-09	1.64E-09	1504
GSE13485_DAY3_VS_DAY7_YF17D_VACCINE_PBMC_DN	149	0.68019	2.404394	1.00E-10	2.81E-09	1.64E-09	1509
GSE13485_PRE_VS_POST_YF17D_VACCINATION_PBMC_DN	162	0.65091	2.321	1.00E-10	2.81E-09	1.64E-09	1428
GSE14000_UNSTIM_VS_4H_LPS_DC_DN	154	0.6691	2.382109	1.00E-10	2.81E-09	1.64E-09	1374
GSE14000_UNSTIM_VS_4H_LPS_DC_TRANSLATED_RNA_DN	160	0.68933	2.462171	1.00E-10	2.81E-09	1.64E-09	1374
GSE1432_1H_VS_24H_IFNG_MICROGLIA_DN	160	0.67876	2.424408	1.00E-10	2.81E-09	1.64E-09	2634
GSE1432_1H_VS_6H_IFNG_MICROGLIA_DN	161	0.62758	2.23886	1.00E-10	2.81E-09	1.64E-09	1475
GSE1432_CTRL_VS_IFNG_24H_MICROGLIA_DN	164	0.71274	2.548141	1.00E-10	2.81E-09	1.64E-09	1436
GSE1432_CTRL_VS_IFNG_6H_MICROGLIA_DN	160	0.69921	2.497467	1.00E-10	2.81E-09	1.64E-09	1703
GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_IL2_CULTURE_UP	145	0.63608	2.240453	1.00E-10	2.81E-09	1.64E-09	2103
GSE1460_INTRATHYMIC_T_PROGENITOR_VS_CD4_THYMOCYTE_DN	171	0.62243	2.245141	1.00E-10	2.81E-09	1.64E-09	1381

GSE14769_UNSTIM_VS_120MIN_LPS_BMDM_DN	166	0.63732	2.287298	1.00E-10	2.81E-09	1.64E-09	1888
GSE14769_UNSTIM_VS_80MIN_LPS_BMDM_DN	158	0.65541	2.332453	1.00E-10	2.81E-09	1.64E-09	1888
GSE15767_MED_VS_SCS_MAC_LN_UP	160	0.62301	2.225299	1.00E-10	2.81E-09	1.64E-09	2096
GSE16755_CTRL_VS_IFNA_TREATED_MAC_DN	160	0.69001	2.464605	1.00E-10	2.81E-09	1.64E-09	1710
GSE17301_ACD3_ACD28_VS_ACD3_ACD28_AND_IFNA5_STIM_CD8_TCELL_DN	168	0.69996	2.518881	1.00E-10	2.81E-09	1.64E-09	1926
GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_48H_ACT_CD4_TCELL_DN	147	0.67871	2.394038	1.00E-10	2.81E-09	1.64E-09	1134
GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_72H_ACT_CD4_TCELL_DN	155	0.65818	2.341717	1.00E-10	2.81E-09	1.64E-09	1381
GSE18281_CORTICAL_VS_MEDULLARY_THYMOCYTE_UP	167	0.67221	2.417629	1.00E-10	2.81E-09	1.64E-09	2467
GSE18281_SUBCAPSULAR_VS_CENTRAL_CORTICAL_REGION_OF_THYMUS_DN	164	0.66	2.359596	1.00E-10	2.81E-09	1.64E-09	1868
GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_10H_DN	158	0.62187	2.213087	1.00E-10	2.81E-09	1.64E-09	1924
GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_6H_DN	161	0.62417	2.226697	1.00E-10	2.81E-09	1.64E-09	1751
GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_8H_DN	160	0.65073	2.324294	1.00E-10	2.81E-09	1.64E-09	1559
GSE18791_UNSTIM_VS_NEWCASTLE_VIRUS_DC_10H_DN	158	0.6684	2.378671	1.00E-10	2.81E-09	1.64E-09	1509
GSE19198_CTRL_VS_IL21_TREATED_TCELL_24H_UP	162	0.64313	2.293245	1.00E-10	2.81E-09	1.64E-09	1409
GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_IN_MAST_CELL_UP	153	0.65583	2.327179	1.00E-10	2.81E-09	1.64E-09	2101
GSE19888_ADENOSINE_A3R_INH_PRETREAT_AND_ACT_BY_A3R_VS_TCELL_MEMBRANES_ACT_MAST_CELL_UP	161	0.68528	2.444711	1.00E-10	2.81E-09	1.64E-09	1308
GSE19888_ADENOSINE_A3R_INH_VS_ACT_WITH_INHIBITOR_PRETREATMENT_IN_MAST_CELL_UP	156	0.65537	2.332656	1.00E-10	2.81E-09	1.64E-09	1224
GSE19888_CTRL_VS_TCELL_MEMBRANES_ACT_MAST_CELL_PRETREAT_A3R_INH_DN	166	0.65985	2.368139	1.00E-10	2.81E-09	1.64E-09	1563
GSE21360_PRIMARY_VS_TERTIARY_MEMORY_CD8_TCELL_DN	166	0.67884	2.436299	1.00E-10	2.81E-09	1.64E-09	1334
GSE21360_SECONDARY_VS_QUATERNARY_MEMORY_CD8_TCELL_UP	149	0.66122	2.337343	1.00E-10	2.81E-09	1.64E-09	1718
GSE21360_TERTIARY_VS_QUATERNARY_MEMORY_CD8_TCELL_DN	148	0.62286	2.192005	1.00E-10	2.81E-09	1.64E-09	1707
GSE21670_STAT3_KO_VS_WT_CD4_TCELL_TGFB_IL6_TREATED_DN	169	0.62317	2.240312	1.00E-10	2.81E-09	1.64E-09	1770

GSE22140_GERMFREE_VS_SPF_ARTHRITIC_MOUSE_CD4_TCELL_DN	151	0.67677	2.397434	1.00E-10	2.81E-09	1.64E-09	865
GSE22140_GERMFREE_VS_SPF_ARTHRITIC_MOUSE_CD4_TCELL_UP	160	0.61586	2.199743	1.00E-10	2.81E-09	1.64E-09	2017
GSE22140_GERMFREE_VS_SPF_MOUSE_CD4_TCELL_UP	164	0.66735	2.385872	1.00E-10	2.81E-09	1.64E-09	1334
GSE22196_HEALTHY_VS_OBESE_MOUSE_SKIN_GAMMA_DELTA_TCELL_UP	155	0.62523	2.224474	1.00E-10	2.81E-09	1.64E-09	1499
GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_DN	163	0.62739	2.237395	1.00E-10	2.81E-09	1.64E-09	2862
GSE22886_CTRL_VS_LPS_24H_DC_DN	160	0.66087	2.360508	1.00E-10	2.81E-09	1.64E-09	2012
GSE22886_DAY0_VS_DAY1_MONOCYTE_IN_CULTURE_DN	159	0.67091	2.389793	1.00E-10	2.81E-09	1.64E-09	1365
GSE22886_DAY1_VS_DAY7_MONOCYTE_IN_CULTURE_UP	163	0.63005	2.246904	1.00E-10	2.81E-09	1.64E-09	1561
GSE22886_NAIVE_BCELL_VS_MONOCYTE_DN	163	0.64128	2.286937	1.00E-10	2.81E-09	1.64E-09	2147
GSE22886_NAIVE_BCELL_VS_NEUTROPHIL_DN	173	0.70232	2.538644	1.00E-10	2.81E-09	1.64E-09	1505
GSE22886_NAIVE_CD4_TCELL_VS_MONOCYTE_DN	162	0.68769	2.452152	1.00E-10	2.81E-09	1.64E-09	1825
GSE22886_NAIVE_CD8_TCELL_VS_MONOCYTE_DN	166	0.71783	2.576232	1.00E-10	2.81E-09	1.64E-09	1745
GSE22886_NAIVE_CD8_TCELL_VS_NEUTROPHIL_DN	159	0.63811	2.272944	1.00E-10	2.81E-09	1.64E-09	1838
GSE22886_NAIVE_TCELL_VS_MONOCYTE_DN	167	0.67401	2.424123	1.00E-10	2.81E-09	1.64E-09	2287
GSE22935_WT_VS_MYD88_KO_MACROPHAGE_48H_MB_OVIS_BCG_STIM_DN	165	0.60663	2.172804	1.00E-10	2.81E-09	1.64E-09	2014
GSE22935_WT_VS_MYD88_KO_MACROPHAGE_UP	166	0.64508	2.315121	1.00E-10	2.81E-09	1.64E-09	2209
GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY10_DN	167	0.64639	2.324767	1.00E-10	2.81E-09	1.64E-09	1563
GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY3_DN	164	0.75711	2.706752	1.00E-10	2.81E-09	1.64E-09	1450
GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY5_UP	168	0.61093	2.198482	1.00E-10	2.81E-09	1.64E-09	2287
GSE24634_TEFF_VS_TCONV_DAY10_IN_CULTURE_DN	178	0.63526	2.312047	1.00E-10	2.81E-09	1.64E-09	2157
GSE24634_TEFF_VS_TCONV_DAY3_IN_CULTURE_DN	157	0.71409	2.543325	1.00E-10	2.81E-09	1.64E-09	1317
GSE24634_TEFF_VS_TCONV_DAY7_IN_CULTURE_DN	163	0.67466	2.405967	1.00E-10	2.81E-09	1.64E-09	1945
GSE24634_TREG_VS_TCONV_POST_DAY10_IL4_CONVERSION_DN	174	0.69034	2.494652	1.00E-10	2.81E-09	1.64E-09	1416

GSE24634_TREG_VS_TCONV_POST_DAY3_IL4_CONVERSION_DN	169	0.66153	2.378248	1.00E-10	2.81E-09	1.64E-09	1776
GSE24634_TREG_VS_TCONV_POST_DAY5_IL4_CONVERSION_DN	160	0.63018	2.250914	1.00E-10	2.81E-09	1.64E-09	1457
GSE24634_TREG_VS_TCONV_POST_DAY7_IL4_CONVERSION_DN	166	0.69228	2.484545	1.00E-10	2.81E-09	1.64E-09	1936
GSE25085_FETAL_BM_VS_ADULT_BM_SP4_THYMIC_IMPLANT_UP	163	0.60691	2.164375	1.00E-10	2.81E-09	1.64E-09	1999
GSE25123_CTRL_VS_ROSIGLITAZONE_STIM_PPARG_KO_MACROPHAGE_UP	157	0.62491	2.225716	1.00E-10	2.81E-09	1.64E-09	1708
GSE25123_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_PPARG_KO_MACROPHAGE_DAY10_DN	146	0.65969	2.329574	1.00E-10	2.81E-09	1.64E-09	1945
GSE25123_WT_VS_PPARG_KO_MACROPHAGE_UP	158	0.70697	2.515959	1.00E-10	2.81E-09	1.64E-09	1873
GSE26343_UNSTIM_VS_LPS_STIM_NFAT5_KO_MACROPHAGE_DN	161	0.69666	2.485307	1.00E-10	2.81E-09	1.64E-09	2287
GSE2706_2H_VS_8H_R848_STIM_DC_DN	163	0.64569	2.302675	1.00E-10	2.81E-09	1.64E-09	1924
GSE2706_R848_VS_R848_AND_LPS_2H_STIM_DC_DN	148	0.67766	2.384869	1.00E-10	2.81E-09	1.64E-09	1383
GSE2706_UNSTIM_VS_2H_LPS_AND_R848_DC_DN	147	0.70299	2.479694	1.00E-10	2.81E-09	1.64E-09	2081
GSE2706_UNSTIM_VS_2H_LPS_DC_DN	148	0.66052	2.324539	1.00E-10	2.81E-09	1.64E-09	1933
GSE2706_UNSTIM_VS_2H_R848_DC_DN	140	0.65404	2.2963	1.00E-10	2.81E-09	1.64E-09	2287
GSE2706_UNSTIM_VS_8H_LPS_AND_R848_DC_DN	155	0.63046	2.2431	1.00E-10	2.81E-09	1.64E-09	1933
GSE2706_UNSTIM_VS_8H_R848_DC_DN	150	0.71695	2.534307	1.00E-10	2.81E-09	1.64E-09	2023
GSE29618_BCELL_VS_MDC_DAY7_FLU_VACCINE_DN	168	0.61026	2.196069	1.00E-10	2.81E-09	1.64E-09	1513
GSE29618_BCELL_VS_MDC_DN	171	0.6069	2.189103	1.00E-10	2.81E-09	1.64E-09	1569
GSE29618_BCELL_VS_MONOCYTE_DN	172	0.61509	2.220005	1.00E-10	2.81E-09	1.64E-09	1733
GSE29618_MONOCYTE_VS_MDC_DAY7_FLU_VACCINE_UP	174	0.6521	2.356488	1.00E-10	2.81E-09	1.64E-09	2157
GSE29618_MONOCYTE_VS_MDC_UP	169	0.68157	2.450261	1.00E-10	2.81E-09	1.64E-09	2125
GSE29618_MONOCYTE_VS_PDC_DAY7_FLU_VACCINE_UP	171	0.67266	2.426304	1.00E-10	2.81E-09	1.64E-09	1501
GSE29618_MONOCYTE_VS_PDC_UP	172	0.69197	2.497474	1.00E-10	2.81E-09	1.64E-09	1416
GSE29618_PDC_VS_MDC_DAY7_FLU_VACCINE_DN	169	0.68559	2.464739	1.00E-10	2.81E-09	1.64E-09	1720
GSE29618_PDC_VS_MDC_DN	168	0.70329	2.530864	1.00E-10	2.81E-09	1.64E-09	1696
GSE32986_CURDLAN_HIGHDOSE_VS_GMCSF_AND_CURDLAN_HIGHDOSE_STIM_DC_DN	167	0.66063	2.375999	1.00E-10	2.81E-09	1.64E-09	2060

GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_DN	156	0.67847	2.414872	1.00E-10	2.81E-09	1.64E-09	1733
GSE34156_TLR1_TLR2_LIGAND_VS_NOD2_AND_TLR1_TLR2_LIGAND_24H_TREATED_MONOCYTE_UP	160	0.65822	2.351042	1.00E-10	2.81E-09	1.64E-09	1733
GSE34156_UNTREATED_VS_24H_NOD2_LIGAND_TREATED_MONOCYTE_DN	155	0.66821	2.377384	1.00E-10	2.81E-09	1.64E-09	1745
GSE34156_UNTREATED_VS_6H_TLR1_TLR2_LIGAND_TREATED_MONOCYTE_UP	155	0.64896	2.308913	1.00E-10	2.81E-09	1.64E-09	1745
GSE34392_ST2_KO_VS_WT_DAY8_LCMV_EFFECTOR_CD8_TCELL_DN	163	0.61065	2.17772	1.00E-10	2.81E-09	1.64E-09	1935
GSE3565_CTRL_VS_LPS_INJECTED_DUSP1_KO_SPLENOCYTES_UP	146	0.64587	2.280772	1.00E-10	2.81E-09	1.64E-09	2061
GSE35685_CD34POS_CD10NEG_CD62LPOS_VS_CD34POS_CD10POS_BONE_MARROW_DN	156	0.63117	2.246523	1.00E-10	2.81E-09	1.64E-09	2044
GSE360_CTRL_VS_M_TUBERCULOSIS_DC_DN	152	0.66818	2.367838	1.00E-10	2.81E-09	1.64E-09	1504
GSE360_HIGH_DOSE_B_MALAYI_VS_M_TUBERCULOSIS_DC_DN	162	0.70154	2.501541	1.00E-10	2.81E-09	1.64E-09	2226
GSE360_HIGH_DOSE_B_MALAYI_VS_M_TUBERCULOSIS_MAC_DN	159	0.65246	2.324085	1.00E-10	2.81E-09	1.64E-09	682
GSE360_LOW_DOSE_B_MALAYI_VS_M_TUBERCULOSIS_DC_DN	157	0.681	2.425476	1.00E-10	2.81E-09	1.64E-09	1487
GSE360_L_DONOVANI_VS_M_TUBERCULOSIS_DC_DN	166	0.61703	2.214479	1.00E-10	2.81E-09	1.64E-09	1520
GSE360_L_DONOVANI_VS_M_TUBERCULOSIS_MAC_DN	173	0.66243	2.39443	1.00E-10	2.81E-09	1.64E-09	1707
GSE360_T_GONDII_VS_B_MALAYI_HIGH_DOSE_DC_UP	161	0.62025	2.212723	1.00E-10	2.81E-09	1.64E-09	1960
GSE360_T_GONDII_VS_M_TUBERCULOSIS_DC_DN	162	0.63403	2.260817	1.00E-10	2.81E-09	1.64E-09	1450
GSE36888_UNTREATED_VS_IL2_TREATED_STAT5_AB_KNOCKIN_TCELL_2H_UP	160	0.69081	2.467458	1.00E-10	2.81E-09	1.64E-09	1534
GSE36888_UNTREATED_VS_IL2_TREATED_TCELL_17H_DN	154	0.67972	2.419915	1.00E-10	2.81E-09	1.64E-09	1933
GSE36888_UNTREATED_VS_IL2_TREATED_TCELL_6H_UP	145	0.65353	2.301937	1.00E-10	2.81E-09	1.64E-09	1867
GSE37301_HEMATOPOIETIC_STEM_CELL_VS_CD4_TCELL_UP	145	0.67331	2.371609	1.00E-10	2.81E-09	1.64E-09	1455
GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCECD4_TCELL_DN	173	0.65938	2.383435	1.00E-10	2.81E-09	1.64E-09	2565

GSE37533_PPARG1_FOXP3_VS_PPARG2_FOXP3_TRANSDU CED_CD4_TCELL_PIOGLITAZONE_TREATED_DN	170	0.65805	2.365407	1.00E-10	2.81E-09	1.64E-09	1654
GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDU CED_CD4_TCELL_DN	165	0.66684	2.388463	1.00E-10	2.81E-09	1.64E-09	1504
GSE37533_UNTREATED_VS_PIOGLITAZONE_TREATED_ CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_UP	173	0.63534	2.296522	1.00E-10	2.81E-09	1.64E-09	1475
GSE3982_CTRL_VS_LPS_48H_DC_DN	158	0.65979	2.348059	1.00E-10	2.81E-09	1.64E-09	1751
GSE3982_CTRL_VS_LPS_4H_MAC_DN	158	0.63648	2.265076	1.00E-10	2.81E-09	1.64E-09	2227
GSE40274_CTRL_VS_FOXP3_TRANSDU CED_ACTIVATED_CD4_TCELL_DN	163	0.61915	2.20802	1.00E-10	2.81E-09	1.64E-09	1619
GSE40685_TREG_VS_FOXP3_KO_TREG_PRECURSOR_DN	158	0.70342	2.503315	1.00E-10	2.81E-09	1.64E-09	1383
GSE40685_TREG_VS_FOXP3_KO_TREG_PRECURSOR_UP	154	0.67888	2.416912	1.00E-10	2.81E-09	1.64E-09	1984
GSE41087_WT_VS_FOXP3_MUT_ANTI_CD3_CD28_STIM_ CD4_TCELL_UP	159	0.63163	2.249872	1.00E-10	2.81E-09	1.64E-09	1709
GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_1H_UP	166	0.68142	2.445546	1.00E-10	2.81E-09	1.64E-09	1571
GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_3H_UP	172	0.69494	2.508204	1.00E-10	2.81E-09	1.64E-09	1933
GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_6 H_DN	163	0.66426	2.3689	1.00E-10	2.81E-09	1.64E-09	1707
GSE41978_ID2_KO_VS_BIM_KO_KLRG1_LOW_EFFECTO R_CD8_TCELL_UP	161	0.67934	2.423534	1.00E-10	2.81E-09	1.64E-09	2039
GSE42021_CD24HI_VS_CD24INT_TCONV_THYMUS_DN	158	0.65417	2.32805	1.00E-10	2.81E-09	1.64E-09	1418
GSE42021_CD24HI_VS_CD24INT_TREG_THYMUS_DN	161	0.67728	2.416184	1.00E-10	2.81E-09	1.64E-09	2049
GSE42021_CD24HI_VS_CD24LOW_TCONV_THYMUS_DN	159	0.72436	2.580182	1.00E-10	2.81E-09	1.64E-09	1609
GSE42021_CD24INT_VS_CD24LOW_TCONV_THYMUS_UP	152	0.63945	2.265997	1.00E-10	2.81E-09	1.64E-09	2410
GSE42021_TCONV_PLN_VS_CD24HI_TCONV_THYMUS_U P	164	0.71053	2.540247	1.00E-10	2.81E-09	1.64E-09	1620
GSE42021_TCONV_PLN_VS_TREG_PRECURSORS_THYM US_DN	168	0.60768	2.186802	1.00E-10	2.81E-09	1.64E-09	1935
GSE42021_TREG_PLN_VS_CD24INT_TREG_THYMUS_DN	166	0.70617	2.534397	1.00E-10	2.81E-09	1.64E-09	1559
GSE42021_TREG_VS_TCONV_PLN_UP	166	0.71588	2.569212	1.00E-10	2.81E-09	1.64E-09	1513
GSE42088_UNINF_VS_LEISHMANIA_INF_DC_2H_UP	173	0.62574	2.261819	1.00E-10	2.81E-09	1.64E-09	1975
GSE42724_NAIVE_BCELL_VS_PLASMABLAST_UP	156	0.64824	2.307268	1.00E-10	2.81E-09	1.64E-09	2360
GSE43863_NAIVE_VS_MEMORY_TH1_CD4_TCELL_D150_ LCMV_UP	124	0.70346	2.436594	1.00E-10	2.81E-09	1.64E-09	1308
GSE45365_NK_CELL_VS_BCELL_UP	165	0.61861	2.21571	1.00E-10	2.81E-09	1.64E-09	1945

GSE45365_NK_CELL_VS_CD11B_DC_DN	162	0.68583	2.445527	1.00E-10	2.81E-09	1.64E-09	1683
GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_IL6_KO_MACROPHAGE_45MIN_UP	167	0.6534	2.349985	1.00E-10	2.81E-09	1.64E-09	1601
GSE6269_HEALTHY_VS_STAPH_PNEUMO_INF_PBMC_D	143	0.646	2.274306	1.00E-10	2.81E-09	1.64E-09	1424
GSE7218_IGM_VS_IGG_SIGNAL_THROUGH_ANTIGEN_BCELL_DN	143	0.71673	2.523317	1.00E-10	2.81E-09	1.64E-09	1862
GSE7218_UNSTIM_VS_ANTIGEN_STIM_THROUGH_IGG_BCELL_DN	139	0.74062	2.596625	1.00E-10	2.81E-09	1.64E-09	1918
GSE7509_DC_VS_MONOCYTE_WITH_FCGRIIB_STIM_DN	168	0.63083	2.270113	1.00E-10	2.81E-09	1.64E-09	1438
GSE7509_UNSTIM_VS_FCGRIIB_STIM_DC_DN	148	0.68922	2.425537	1.00E-10	2.81E-09	1.64E-09	1997
GSE7509_UNSTIM_VS_IFNA_STIM_IMMATURE_DC_DN	140	0.71399	2.506747	1.00E-10	2.81E-09	1.64E-09	2136
GSE7548_NAIVE_VS_DAY7_PCC_IMMUNIZATION_CD4_TCELL_DN	168	0.62719	2.256986	1.00E-10	2.81E-09	1.64E-09	1308
GSE8515_IL1_VS_IL6_4H_STIM_MAC_UP	176	0.63498	2.300243	1.00E-10	2.81E-09	1.64E-09	2173
GSE8835_CD4_VS_CD8_TCELL_CLL_PATIENT_UP	162	0.64517	2.300518	1.00E-10	2.81E-09	1.64E-09	1635
GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_AT_DX_DN	163	0.61705	2.200537	1.00E-10	2.81E-09	1.64E-09	1429
GSE9316_IL6_KO_VS_IFNG_KO_INVIVO_EXPANDED_CD4_TCELL_DN	171	0.66139	2.385646	1.00E-10	2.81E-09	1.64E-09	1734
GSE9601_NFKB_INHIBITOR_VS_PI3K_INHIBITOR_TREATED_HCMV_INF_MONOCYTE_DN	171	0.66696	2.405757	1.00E-10	2.81E-09	1.64E-09	1231
GSE9960_HEALTHY_VS_GRAM_NEG_SEPSIS_PBMC_DN	161	0.65483	2.33607	1.00E-10	2.81E-09	1.64E-09	2272
GSE9988_ANTI_TREM1_AND_LPS_VS_VEHICLE_TREATED_MONOCYTES_UP	138	0.64406	2.254316	1.00E-10	2.81E-09	1.64E-09	2060
GSE9988_ANTI_TREM1_VS_ANTI_TREM1_AND_LPS_MONOCYTE_DN	140	0.70893	2.489001	1.00E-10	2.81E-09	1.64E-09	2287
GSE9988_ANTI_TREM1_VS_LOW_LPS_MONOCYTE_DN	154	0.70366	2.505143	1.00E-10	2.81E-09	1.64E-09	1960
GSE9988_ANTI_TREM1_VS_LPS_MONOCYTE_DN	155	0.70575	2.510969	1.00E-10	2.81E-09	1.64E-09	2322
GSE9988_LOW_LPS_VS_CTRL_TREATED_MONOCYTE_UP	145	0.73783	2.598863	1.00E-10	2.81E-09	1.64E-09	1939
GSE9988_LOW_LPS_VS_VEHICLE_TREATED_MONOCYTE_UP	145	0.72713	2.561179	1.00E-10	2.81E-09	1.64E-09	1560
GSE9988_LPS_VS_CTRL_TREATED_MONOCYTE_UP	141	0.72377	2.545831	1.00E-10	2.81E-09	1.64E-09	2226
GSE9988_LPS_VS_LPS_AND_ANTI_TREM1_MONOCYTE_UP	163	0.62908	2.243429	1.00E-10	2.81E-09	1.64E-09	2287

GSE9988_LPS_VS_VEHICLE_TREATED_MONOCYTE_UP	141	0.73473	2.584369	1.00E-10	2.81E-09	1.64E-09	1939
HALLMARK_ALLOGRAFT_REJECTION	166	0.73712	2.645457	1.00E-10	2.81E-09	1.64E-09	1422
HALLMARK_COMPLEMENT	171	0.67908	2.449459	1.00E-10	2.81E-09	1.64E-09	1471
HALLMARK_EPITHELIAL_MESENCHYMAL_TRANSITIO	186	0.71075	2.596607	1.00E-10	2.81E-09	1.64E-09	1904
HALLMARK_IL6_JAK_STAT3_SIGNALING	75	0.77913	2.513309	1.00E-10	2.81E-09	1.64E-09	1428
HALLMARK_INFLAMMATORY_RESPONSE	179	0.74451	2.713036	1.00E-10	2.81E-09	1.64E-09	1582
HALLMARK_INTERFERON_ALPHA_RESPONSE	82	0.73457	2.398404	1.00E-10	2.81E-09	1.64E-09	1383
HALLMARK_INTERFERON_GAMMA_RESPONSE	163	0.74508	2.657112	1.00E-10	2.81E-09	1.64E-09	1308
HALLMARK_KRAS_SIGNALING_UP	179	0.59879	2.182023	1.00E-10	2.81E-09	1.64E-09	1648
HALLMARK_OXIDATIVE_PHOSPHORYLATION	171	-0.6045	-2.61346	1.00E-10	2.81E-09	1.64E-09	2730
HALLMARK_TNFA_SIGNALING_VIA_NFKB	172	0.736	2.656381	1.00E-10	2.81E-09	1.64E-09	1245
KAECH_NAIVE_VS_DAY15_EFF_CD8_TCELL_DN	162	0.64409	2.296669	1.00E-10	2.81E-09	1.64E-09	1125
GSE42724_MEMORY_VS_B1_BCELL_DN	145	0.62463	2.200115	1.03E-10	2.89E-09	1.68E-09	1960
GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_12H_DN	150	0.62601	2.212843	1.06E-10	2.94E-09	1.71E-09	1924
GSE22886_DC_VS_MONOCYTE_DN	160	0.61548	2.198392	1.10E-10	3.03E-09	1.76E-09	2226
GSE15330_MEGAKARYOCYTE_ERYTHROID_VS_GRANU LOCYTE_MONOCYTE_PROGENITOR_UP	155	0.62005	2.206067	1.16E-10	3.18E-09	1.85E-09	2073
GSE42021_TREG_PLN_VS_CD24INT_TREG_THYMUS_UP	171	0.59888	2.160192	1.27E-10	3.48E-09	2.03E-09	1939
GSE3982_MEMORY_CD4_TCELL_VS_BCELL_UP	154	0.61571	2.192007	1.36E-10	3.69E-09	2.15E-09	1569
GSE35825_UNTREATED_VS_IFNG_STIM_MACROPHAGE_ UP	161	0.61446	2.192073	1.37E-10	3.69E-09	2.15E-09	1960
GSE39556_CD8A_DC_VS_NK_CELL_DN	161	0.61405	2.190581	1.37E-10	3.69E-09	2.15E-09	1613
GSE14000_UNSTIM_VS_16H_LPS_DC_TRANSLATED_RN A_DN	149	0.61902	2.188145	1.74E-10	4.66E-09	2.71E-09	2578
GSE21670_STAT3_KO_VS_WT_CD4_TCELL_UP	162	0.60273	2.149199	1.85E-10	4.91E-09	2.86E-09	1917
GSE42088_UNINF_VS_LEISHMANIA_INF_DC_8H_UP	167	0.5988	2.153608	1.89E-10	5.00E-09	2.91E-09	1380
GSE27434_WT_VS_DNMT1_KO_TREG_DN	166	0.6079	2.181692	2.02E-10	5.31E-09	3.09E-09	1933
GSE42021_TREG_PLN_VS_TREG_PRECURSORS_THYMUS DN	168	0.60004	2.15931	2.06E-10	5.38E-09	3.13E-09	1519
GSE43955_1H_VS_20H_ACT_CD4_TCELL_WITH_TGFB_IL 6_DN	171	0.59504	2.146336	2.10E-10	5.46E-09	3.18E-09	1894
GSE9988_ANTI_TREM1_AND_LPS_VS_CTRL_TREATED_ MONOCYTES_UP	143	0.62625	2.204756	2.35E-10	6.08E-09	3.54E-09	2452
GSE1112_HY_CD8AB_VS_HY_CD8AA_THYMOCYTE_RTO C_CULTURE_UP	138	0.62624	2.191952	2.53E-10	6.51E-09	3.79E-09	1926

GSE14769_UNSTIM_VS_40MIN_LPS_BMDM_DN	157	0.61414	2.187364	2.56E-10	6.55E-09	3.82E-09	2007
GSE39864_WT_VS_GATA3_KO_TREG_UP	163	0.59937	2.137478	2.57E-10	6.55E-09	3.82E-09	1904
GSE19888_ADENOSINE_A3R_INH_VS_TCELL_MEMBRANES_ACT_MAST_CELL_UP	150	0.61958	2.190128	2.60E-10	6.60E-09	3.84E-09	1792
GSE32986_CURDLAN_LOWDOSE_VS_CURDLAN_HIGHDOSE_STIM_DC_DN	168	0.59831	2.153068	2.71E-10	6.85E-09	3.99E-09	1517
GSE360_DC_VS_MAC_B_MALAYI_HIGH_DOSE_DN	168	0.59807	2.152216	2.86E-10	7.19E-09	4.18E-09	1732
GSE30971_WBP7_HET_VS_KO_MACROPHAGE_DN	152	0.61691	2.18613	3.17E-10	7.93E-09	4.61E-09	1590
GSE29617_CTRL_VS_DAY7_TIV_FLU_VACCINE_PBMC_2008_UP	158	0.61293	2.181262	3.20E-10	7.96E-09	4.63E-09	1966
GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_UP	170	0.59474	2.137828	3.36E-10	8.32E-09	4.84E-09	2083
GSE21670_UNTREATED_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_UP	170	0.59402	2.135248	3.61E-10	8.83E-09	5.14E-09	2304
GSE42088_UNINF_VS_LEISHMANIA_INF_DC_24H_DN	172	0.58666	2.117399	3.62E-10	8.83E-09	5.14E-09	1975
GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_6H_DN	152	0.61573	2.18195	3.62E-10	8.83E-09	5.14E-09	2430
GSE6259_33D1_POS_DC_VS_CD4_TCELL_DN	147	0.62417	2.201652	3.76E-10	9.12E-09	5.31E-09	2262
GSE43863_DAY6_EFF_VS_DAY150_MEM_TH1_CD4_TCELL_DN	162	0.59776	2.131465	4.06E-10	9.80E-09	5.70E-09	1953
GSE35825_UNTREATED_VS_IFNA_STIM_MACROPHAGE_DN	141	0.63003	2.216115	4.32E-10	1.04E-08	6.03E-09	1939
GSE14386_UNTREATED_VS_IFNA_TREATED_ACT_PBMC_MS_PATIENT_DN	126	0.64244	2.227696	4.70E-10	1.12E-08	6.54E-09	1609
GSE7348_UNSTIM_VS_LPS_STIM_MACROPHAGE_DN	153	0.61398	2.178674	4.79E-10	1.14E-08	6.63E-09	1820
GSE40274_CTRL_VS_FOXP3_AND_LEF1_TRANSDUCEDACTIVATED_CD4_TCELL_UP	138	0.62154	2.175491	5.03E-10	1.19E-08	6.93E-09	1886
GSE21360_NAIVE_VS_SECONDARY_MEMORY_CD8_TCELL_UP	147	0.62191	2.19369	5.33E-10	1.25E-08	7.30E-09	1359
GSE2706_R848_VS_LPS_8H_STIM_DC_DN	146	0.61616	2.175868	5.52E-10	1.29E-08	7.53E-09	1960
GSE46606_IRF4_KO_VS_WT_UNSTIM_BCELL_DN	160	0.60389	2.157006	5.62E-10	1.31E-08	7.63E-09	1707
GSE41867_MEMORY_VS_EXHAUSTED_CD8_TCELL_DAY30_LCMV_UP	170	0.59007	2.121047	6.07E-10	1.41E-08	8.20E-09	1681
GSE23308_WT_VS_MINERALCORTICOID_REC_KO_MACROPHAGE_DN	173	0.58319	2.108013	6.38E-10	1.47E-08	8.58E-09	2570

GSE36527_CD69_NEG_VS_POS_TREG_CD62L_LOS_KLRG1_NEG_UP	165	0.59524	2.132021	6.52E-10	1.50E-08	8.73E-09	2347
GSE6269_FLU_VS_STAPH_AUREUS_INF_PBMCDN	143	0.61747	2.173856	6.64E-10	1.52E-08	8.85E-09	2135
GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_17H_DN	169	0.58975	2.120174	6.67E-10	1.52E-08	8.85E-09	1563
GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_KO_2H_UP	147	0.62044	2.188495	6.75E-10	1.53E-08	8.91E-09	1924
GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10POS_BONE_MARROW_DN	162	0.59439	2.119461	7.06E-10	1.59E-08	9.28E-09	2070
GSE26495_NAIVE_VS_PD1LOW_CD8_TCELL_DN	163	0.59297	2.114668	7.27E-10	1.63E-08	9.51E-09	2127
GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_24H_ACT_CD4_TCELL_DN	141	0.62587	2.20145	7.35E-10	1.64E-08	9.54E-09	1254
GSE10325_LUPUS_BCELL_VS_LUPUS_MYELOID_DN	166	0.601	2.15693	7.36E-10	1.64E-08	9.54E-09	2303
GSE36826_WT_VS_IL1R_KO_SKIN_STAPH_AUREUS_INF_DN	161	0.60422	2.155538	7.53E-10	1.67E-08	9.72E-09	2452
GSE30971_WBP7_HET_VS_KO_MACROPHAGE_2H_LPS_STIM_DN	157	0.60727	2.162872	7.93E-10	1.75E-08	1.02E-08	1918
GSE10325_CD4_TCELL_VS_BCELL_DN	148	0.60662	2.134861	8.54E-10	1.88E-08	1.09E-08	1643
GSE14769_UNSTIM_VS_60MIN_LPS_BMDM_DN	156	0.60426	2.150737	8.74E-10	1.91E-08	1.11E-08	1888
GSE34515_CD16_NEG_MONOCYTE_VS_DC_UP	160	0.5998	2.142384	9.29E-10	2.02E-08	1.18E-08	2395
GSE4748_CTRL_VS_LPS_STIM_DC_3H_UP	163	0.59213	2.111665	9.38E-10	2.03E-08	1.18E-08	1427
GSE3565_DUSP1_VS_WT_SPLENOCYTES_UP	133	0.62678	2.194924	9.55E-10	2.06E-08	1.20E-08	1914
GSE1460_DP_VS_CD4_THYMOCYTE_DN	163	0.59177	2.110366	9.78E-10	2.10E-08	1.22E-08	1567
GSE19198_1H_VS_6H_IL21_TREATED_TCELL_DN	166	0.5993	2.150817	9.83E-10	2.10E-08	1.22E-08	1807
GSE12366_GC_VS_NAIVE_BCELL_DN	138	0.6157	2.155064	1.06E-09	2.26E-08	1.32E-08	1609
GSE26343_WT_VS_NFAT5_KO_MACROPHAGE_DN	161	0.60185	2.147058	1.07E-09	2.26E-08	1.32E-08	1682
GSE1740_UNSTIM_VS_IFNA_STIMULATED_MCSF_DERIVED_MACROPHAGE_DN	140	0.61538	2.160566	1.07E-09	2.26E-08	1.32E-08	1926
GSE23502_BM_VS_COLON_TUMOR_MYELOID_DERIVED_SUPPRESSOR_CELL_UP	159	0.59919	2.134325	1.07E-09	2.26E-08	1.32E-08	1543
GSE29618_BCELL_VS_PDC_UP	148	0.60488	2.128729	1.12E-09	2.35E-08	1.37E-08	2553
GSE19401_UNSTIM_VS_RETINOIC_ACID_AND_PAM2CSK4_STIM_FOLLICULAR_DC_DN	168	0.58987	2.122713	1.16E-09	2.41E-08	1.40E-08	1520
GSE23568_CTRL_TRANSDUCED_VS_WT_CD8_TCELL_UP	170	0.586	2.106419	1.20E-09	2.49E-08	1.45E-08	2212
GSE2706_UNSTIM_VS_8H_LPS_DC_DN	149	0.60696	2.145531	1.21E-09	2.51E-08	1.46E-08	2509

GSE15330_LYMPHOID_MULTIPOTENT_VS_MEGAKARYO CYTE_ERYTHROID_PROGENITOR_IKAROS_KO_DN	150	0.60939	2.154085	1.24E-09	2.54E-08	1.48E-08	1169
GSE13946_CTRL_VS_DSS_COLITIS_GD_TCELL_FROM_C OLON_UP	153	0.60583	2.149757	1.33E-09	2.74E-08	1.59E-08	2103
GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_2H _DN	165	0.58936	2.110937	1.37E-09	2.80E-08	1.63E-08	2598
GSE360_DC_VS_MAC_M_TUBERCULOSIS_UP	159	0.59686	2.126021	1.38E-09	2.80E-08	1.63E-08	1461
GSE22140_HEALTHY_VS_ARTHRITIC_GERMFREE_MOUS E_CD4_TCELL_DN	169	0.58496	2.102946	1.38E-09	2.80E-08	1.63E-08	1662
GSE13484_12H_UNSTIM_VS_YF17D_VACCINE_STIM_PB MC_DN	171	0.58053	2.093979	1.41E-09	2.84E-08	1.65E-08	2074
GSE360_L_MAJOR_VS_B_MALAYI_HIGH_DOSE_MAC_UP	161	0.60009	2.14078	1.51E-09	3.04E-08	1.77E-08	1313
GSE25088_ROSIGLITAZONE_VS_IL4_AND_ROSIGLITAZO NE_STIM_STAT6_KO_MACROPHAGE_DAY10_DN	151	0.60517	2.143798	1.55E-09	3.10E-08	1.81E-08	2503
GSE25088_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_STA T6_KO_MACROPHAGE_DAY10_DN	153	0.60396	2.143106	1.65E-09	3.30E-08	1.92E-08	2060
GSE27859_MACROPHAGE_VS_DC_UP	142	0.61322	2.154191	1.81E-09	3.60E-08	2.10E-08	2272
GSE42021_CD24HI_TREG_VS_CD24HI_TCONV_THYMUS_ DN	162	0.58909	2.100574	1.82E-09	3.60E-08	2.10E-08	1933
GSE10325_CD4_TCELL_VS_MYELOID_UP	161	0.59859	2.135428	1.84E-09	3.61E-08	2.10E-08	2208
GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_CD 8A_DC_UP	169	0.58114	2.08924	2.00E-09	3.91E-08	2.28E-08	1725
GSE2935_UV_INACTIVATED_VS_LIVE_SENDAI_VIRUS_I NF_MACROPHAGE_DN	146	0.60739	2.144879	2.05E-09	3.99E-08	2.32E-08	2103
GSE35825_IFNA_VS_IFNG_STIM_MACROPHAGE_UP	136	0.61651	2.157319	2.05E-09	3.99E-08	2.32E-08	1837
HALLMARK_IL2_STAT5_SIGNALING	174	0.57348	2.072377	2.07E-09	4.01E-08	2.34E-08	2763
GSE6259_FLT3L_INDUCED_33D1_POS_DC_VS_CD4_TCEL L_UP	149	0.60369	2.133961	2.15E-09	4.15E-08	2.41E-08	1876
GSE21063_WT_VS_NFATC1_KO_3H_ANTI_IGM_STIM_BC ELL_DN	160	0.59332	2.119235	2.31E-09	4.44E-08	2.58E-08	1501
GSE22886_NAIVE_CD4_TCELL_VS_NEUTROPHIL_DN	161	0.59718	2.130402	2.44E-09	4.67E-08	2.72E-08	1554
GSE36891_POLYIC_TLR3_VS_PAM_TLR2_STIM_PERITON EAL_MACROPHAGE_UP	120	0.63084	2.181243	2.45E-09	4.68E-08	2.73E-08	1958
GSE29618_BCELL_VS_MONOCYTE_DAY7_FLU_VACCINE _DN	173	0.57406	2.075016	2.58E-09	4.89E-08	2.85E-08	1893

GSE9650_NAIVE_VS_MEMORY_CD8_TCELL_DN	163	0.58574	2.08887	2.65E-09	5.02E-08	2.92E-08	1534
GSE3039_NKT_CELL_VS_ALPHAALPHA_CD8_TCELL_DN	154	0.59646	2.123481	2.81E-09	5.31E-08	3.09E-08	1675
GSE9988_LOW_LPS_VS_ANTI_TREM1_AND_LPS_MONOCYTE_UP	161	0.59618	2.12683	2.84E-09	5.34E-08	3.11E-08	2287
GSE38681_WT_VS_LYL1_KO_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_DN	163	0.58438	2.084008	3.18E-09	5.95E-08	3.46E-08	2347
GSE11057_NAIVE_VS_EFF_MEMORY_CD4_TCELL_DN	161	0.5949	2.122296	3.33E-09	6.18E-08	3.60E-08	1676
GSE26495_NAIVE_VS_PD1HIGH_CD8_TCELL_DN	156	0.59598	2.121262	3.33E-09	6.18E-08	3.60E-08	2363
GSE43863_DAY6_EFF_VS_DAY150_MEM_LY6C_INT_CXR5POS_CD4_TCELL_DN	164	0.59333	2.12124	3.45E-09	6.38E-08	3.71E-08	1671
GSE3920_IFNA_VS_IFNG_TREATED_FIBROBLAST_UP	140	0.60708	2.131413	3.59E-09	6.63E-08	3.86E-08	1557
GSE42021_CD24HI_VS_CD24LOW_TREG_THYMUS_DN	166	0.5883	2.111344	4.05E-09	7.44E-08	4.33E-08	2430
GSE3565_CTRL_VS_LPS_INJECTED_SPLENOCYTES_UP	144	0.60467	2.129666	4.07E-09	7.45E-08	4.34E-08	2103
GSE9509_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_10MIN_UP	164	0.59093	2.112651	4.50E-09	8.20E-08	4.77E-08	1582
GSE17721_0.5H_VS_24H_CPG_BMDC_DN	155	0.59639	2.12189	4.56E-09	8.28E-08	4.82E-08	1501
GSE5589_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_45MIN_DN	167	0.57835	2.080055	4.59E-09	8.28E-08	4.82E-08	1606
GSE7768_OVA_ALONE_VS_OVA_WITH_LPS_IMMUNIZED_MOUSE_WHOLE_SPLEEN_6H_DN	139	0.60652	2.126488	4.59E-09	8.28E-08	4.82E-08	2423
GSE29617_CTRL_VS_TIV_FLU_VACCINE_PBMC_2008_UP	140	0.60466	2.122901	4.83E-09	8.68E-08	5.05E-08	3021
GSE19401_NAIVE_VS_IMMUNIZED_MOUSE_PLN_FOLLICULAR_DC_UP	162	0.58144	2.073286	5.25E-09	9.39E-08	5.47E-08	1249
GSE30083_SP3_VS_SP4_THYMOCYTE_DN	166	0.58451	2.097767	6.38E-09	1.13E-07	6.60E-08	1774
GSE33424_CD161_INT_VS_NEG_CD8_TCELL_UP	162	0.57929	2.065602	6.38E-09	1.13E-07	6.60E-08	1383
GSE9960_HEALTHY_VS_GRAM_POS_SEPSIS_PBMC_DN	144	0.60135	2.11795	6.54E-09	1.16E-07	6.74E-08	1534
GSE2706_2H_VS_8H_LPS_STIM_DC_DN	145	0.59408	2.092527	6.72E-09	1.18E-07	6.88E-08	2536
GSE2706_2H_VS_8H_R848_AND_LPS_STIM_DC_DN	150	0.59656	2.108748	6.72E-09	1.18E-07	6.88E-08	1924
GSE7852_TREG_VS_TCONV_LN_UP	149	0.59362	2.098376	6.95E-09	1.22E-07	7.09E-08	1417
GSE7509_DC_VS_MONOCYTE_DN	148	0.58995	2.076175	7.10E-09	1.24E-07	7.21E-08	1927
GSE18791_UNSTIM_VS_NEWCASTLE_VIRUS_DC_18H_D	138	0.59998	2.100023	7.12E-09	1.24E-07	7.21E-08	1439
GSE36888_UNTREATED_VS_IL2_TREATED_STAT5_AB_KNOCKIN_TCELL_17H_UP	140	0.59994	2.106359	7.56E-09	1.31E-07	7.62E-08	1948
GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_16H_DN	151	0.59398	2.104154	8.06E-09	1.39E-07	8.10E-08	1924

GSE3920_UNTREATED_VS_IFNA_TREATED_ENDOTHELIAL_CELL_UP	158	0.59072	2.102225	8.22E-09	1.41E-07	8.22E-08	2068
GSE37534_UNTREATED_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_DN	159	0.58436	2.081498	8.23E-09	1.41E-07	8.22E-08	2190
GSE2706_R848_VS_LPS_2H_STIM_DC_DN	133	0.60935	2.133891	9.75E-09	1.67E-07	9.70E-08	1389
GSE21546_WT_VS_SAP1A_KO_DP_THYMOCYTES_UP	153	0.58975	2.092703	1.00E-08	1.71E-07	9.93E-08	2192
GSE13484_UNSTIM_VS_3H_YF17D_VACCINE_STIM_PBM_C_DN	160	0.58183	2.078184	1.06E-08	1.80E-07	1.05E-07	1550
GSE17301_CTRL_VS_48H_ACD3_ACD28_STIM_CD8_TCELL_DN	165	0.57481	2.058851	1.11E-08	1.88E-07	1.10E-07	1845
GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_DN	155	0.588	2.09204	1.13E-08	1.90E-07	1.11E-07	2103
GSE22886_NAIVE_CD8_TCELL_VS_DC_DN	170	0.571	2.052497	1.14E-08	1.91E-07	1.11E-07	1868
GSE22589_HEALTHY_VS_HIV_INFECTED_DC_DN	162	0.57418	2.047407	1.17E-08	1.96E-07	1.14E-07	2229
GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8A_DC_DN	167	0.57086	2.053131	1.18E-08	1.97E-07	1.14E-07	2319
GSE9988_ANTI_TREM1_VS_CTRL_TREATED_MONOCYTES_UP	156	0.58783	2.092243	1.18E-08	1.97E-07	1.14E-07	2545
GSE41867_NAIVE_VS_DAY30_LCMV_CLONE13_EXHAUSTED_CD8_TCELL_UP	149	0.58941	2.083496	1.20E-08	1.99E-07	1.16E-07	2226
GSE7460_TCONV_VS_TREG_LN_DN	160	0.58002	2.071724	1.31E-08	2.16E-07	1.26E-07	1417
GSE30971_WBP7_HET_VS_KO_MACROPHAGE_2H_LPS_STIM_UP	160	0.57991	2.071343	1.32E-08	2.18E-07	1.27E-07	1445
GSE13522_WT_VS_IFNAR_KO_SKING_T_CRUZI_Y_STRAIN_INF_UP	163	0.57392	2.046707	1.33E-08	2.19E-07	1.27E-07	1967
GSE6259_FLT3L_INDUCED_DEC205_POS_DC_VS_CD8_TCELL_DN	144	0.59554	2.097498	1.46E-08	2.39E-07	1.39E-07	1997
KAECH_NAIVE_VS_MEMORY_CD8_TCELL_DN	165	0.5729	2.052006	1.55E-08	2.53E-07	1.47E-07	1534
GSE22886_DAY0_VS_DAY7_MONOCYTE_IN_CULTURE_UP	160	0.57809	2.064856	1.65E-08	2.67E-07	1.56E-07	2226
GSE360_T_GONDII_VS_M_TUBERCULOSIS_MAC_DN	155	0.58502	2.081421	1.68E-08	2.72E-07	1.58E-07	1399
GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THYMOCYTE_FETAL_UP	168	0.57381	2.064908	1.72E-08	2.78E-07	1.62E-07	2334
GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_KO_4H_DN	151	0.58775	2.082095	1.74E-08	2.79E-07	1.63E-07	2419

GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THY MOCYTE_ADULT_UP	164	0.58152	2.079008	1.75E-08	2.80E-07	1.63E-07	1621
GSE32034_LY6C_HIGH_VS_LOW_ROSIGLIZATONE_TREA TED_MONOCYTE_DN	158	0.58504	2.082041	1.75E-08	2.80E-07	1.63E-07	2063
GSE1460_INTRATHYMIC_T_PROGENITOR_VS_THYMIC_ STROMAL_CELL_DN	171	0.56056	2.021963	1.78E-08	2.84E-07	1.65E-07	2218
GSE46606_IRF4MID_VS_WT_CD40L_IL2_IL5_DAY1_STIM ULATED_BCELL_DN	162	0.56947	2.030617	1.86E-08	2.95E-07	1.72E-07	2341
GSE18893_TCONV_VS_TREG_24H_TNF_STIM_UP	167	-0.4679	-2.01038	1.88E-08	2.97E-07	1.73E-07	3623
GSE21360_PRIMARY_VS_QUATERNARY_MEMORY_CD8_ TCELL_UP	153	0.58512	2.076271	1.91E-08	3.02E-07	1.76E-07	1601
GSE11057_NAIVE_VS_MEMORY_CD4_TCELL_DN	160	0.57651	2.059202	1.94E-08	3.05E-07	1.78E-07	1487
GSE26290_CTRL_VS_AKT_INHIBITOR_TREATED_ANTI_ CD3_AND_IL2_STIM_CD8_TCELL_DN	160	0.57624	2.05823	2.01E-08	3.14E-07	1.83E-07	2402
GSE23568_ID3_KO_VS_WT_CD8_TCELL_DN	164	0.58035	2.074823	2.05E-08	3.20E-07	1.86E-07	2148
GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_H ET_2H_UP	151	0.58598	2.075825	2.17E-08	3.37E-07	1.96E-07	1808
GSE2405_0H_VS_3H_A_PHAGOCYTOPHILUM_STIM_NEU TROPIL_UP	158	0.58332	2.075919	2.24E-08	3.48E-07	2.03E-07	1868
GSE43863_TFH_VS_LY6C_LOW_CXCR5NEG_EFFECTOR_ CD4_TCELL_UP	162	0.56776	2.024504	2.32E-08	3.58E-07	2.09E-07	2706
GSE2706_R848_VS_R848_AND_LPS_8H_STIM_DC_UP	138	0.58866	2.060417	2.78E-08	4.28E-07	2.49E-07	2205
GSE9960_GRAM_NEG_VS_GRAM_POS_SEPSIS_PBMC_UP	140	0.58841	2.065871	3.09E-08	4.75E-07	2.76E-07	2272
GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_ DAY5_DN	153	0.5814	2.063056	3.13E-08	4.79E-07	2.79E-07	1504
GSE13411_PLASMA_CELL_VS_MEMORY_BCELL_DN	152	0.58129	2.059909	3.21E-08	4.91E-07	2.86E-07	2409
GSE360_L_DONOVANI_VS_B_MALAYI_HIGH_DOSE_DC_ UP	163	0.56539	2.016303	3.31E-08	5.04E-07	2.93E-07	2187
GSE21670_STAT3_KO_VS_WT_CD4_TCELL_DN	157	0.58013	2.066224	3.32E-08	5.04E-07	2.93E-07	2073
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_4 H_UP	159	0.57366	2.043402	3.33E-08	5.04E-07	2.93E-07	1653
GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_6H_AC T_CD4_TCELL_DN	153	0.58009	2.058406	3.58E-08	5.41E-07	3.15E-07	1293
GSE3039_NKT_CELL_VS_ALPHAALPHA_CD8_TCELL_UP	157	0.57952	2.06406	3.72E-08	5.58E-07	3.25E-07	2064

GSE27241_CTRL_VS_DIGOXIN_TREATED_CD4_TCELL_I N_TH17_POLARIZING_CONDITIONS_DN	156	0.57733	2.054895	3.72E-08	5.58E-07	3.25E-07	2067
GSE2128_CTRL_VS_MIMETOPE_NEGATIVE_SELECTION_ DP_THYMOCYTE_NOD_UP	165	0.56623	2.028093	3.77E-08	5.63E-07	3.28E-07	1648
GSE360_DC_VS_MAC_M_TUBERCULOSIS_DN	153	0.57951	2.056368	3.78E-08	5.63E-07	3.28E-07	1238
GSE21774_CD62L_POS_CD56_BRIGHT_VS_CD62L_NEG_C D56_DIM_NK_CELL_UP	156	0.57726	2.054641	3.79E-08	5.63E-07	3.28E-07	1386
GSE14699_DELETIONAL_TOLERANCE_VS_ACTIVATED_ CD8_TCELL_UP	154	0.57481	2.046423	3.81E-08	5.65E-07	3.29E-07	1150
GSE2405_S_AUREUS_VS_A_PHAGOCYTOPHILUM_NEUT ROPHIL_UP	160	0.57075	2.03861	4.10E-08	6.04E-07	3.51E-07	1945
GSE39382_IL3_VS_IL3_IL33_TREATED_MAST_CELL_DN	160	0.57077	2.038706	4.10E-08	6.04E-07	3.51E-07	2418
GSE23925_LIGHT_ZONE_VS_NAIVE_BCELL_UP	170	0.56075	2.015655	4.46E-08	6.55E-07	3.81E-07	1971
GSE32034_LY6C_HIGH_VS_LOW_MONOCYTE_UP	163	0.56093	2.000404	4.59E-08	6.73E-07	3.92E-07	2216
GSE22886_NAIVE_BCELL_VS_BM_PLASMA_CELL_DN	163	0.56034	1.998279	4.66E-08	6.81E-07	3.96E-07	2462
GSE39820_CTRL_VS_IL1B_IL6_CD4_TCELL_DN	159	0.56991	2.030021	4.71E-08	6.86E-07	3.99E-07	2234
GSE7460_TCONV_VS_TREG_THYMUS_DN	167	0.55954	2.012413	4.90E-08	7.11E-07	4.14E-07	1721
GSE22025_PROGESTERONE_VS_TGFB1_AND_PROGESTE RONE_TREATED_CD4_TCELL_DN	167	0.55902	2.010541	5.03E-08	7.28E-07	4.24E-07	1561
GSE7219_WT_VS_NIK_NFKB2_KO_DC_UP	156	0.57418	2.043676	5.37E-08	7.75E-07	4.51E-07	2333
GSE4590_SMALL_VS_LARGE_PRE_BCELL_UP	153	0.57572	2.0429	5.56E-08	8.00E-07	4.66E-07	2104
GSE360_DC_VS_MAC_T_GONDII_UP	155	0.57431	2.043326	6.45E-08	9.26E-07	5.39E-07	2107
GSE22935_WT_VS_MYD88_KO_MACROPHAGE_12H_MB OVIS_BCG_STIM_DN	170	0.55731	2.003281	6.86E-08	9.82E-07	5.72E-07	2229
GSE2405_HEAT_KILLED_LYSATE_VS_LIVE_A_PHAGOC YTOPHILUM_STIM_NEUTROPHIL_24H_UP	172	0.54838	1.979238	6.92E-08	9.88E-07	5.75E-07	2017
GSE4748_CTRL_VS_LPS_AND_CYANOBACTERIUM_LPSL IKE_STIM_DC_3H_UP	167	0.55683	2.002654	6.98E-08	9.92E-07	5.78E-07	1548
GSE46606_UNSTIM_VS_CD40L_IL2_IL5_3DAY_STIMULA TED_IRF4MID_SORTED_BCELL_DN	169	0.55987	2.012753	7.00E-08	9.93E-07	5.78E-07	2548
GSE11057_NAIVE_VS_CENT_MEMORY_CD4_TCELL_DN	162	0.56094	2.000199	7.23E-08	1.02E-06	5.96E-07	1689
GSE14415_INDUCED_TREG_VS_FAILED_INDUCED_TREG _DN	147	0.58463	2.062208	7.46E-08	1.05E-06	6.12E-07	1675
GSE41176_UNSTIM_VS_ANTI_IGM_STIM_TAK1_KO_BCE LL_24H_DN	158	0.57392	2.042434	7.47E-08	1.05E-06	6.12E-07	1683

GSE7548_DAY7_VS_DAY28_PCC_IMMUNIZATION_CD4_T CELL_DN	163	0.55635	1.984058	7.51E-08	1.05E-06	6.13E-07	795
GSE36392_TYPE_2_MYELOID_VS_EOSINOPHIL_IL25_TRE ATED_LUNG_DN	153	0.57266	2.032047	8.00E-08	1.12E-06	6.51E-07	2422
GSE14000_UNSTIM_VS_16H_LPS_DC_DN	151	0.57302	2.029889	8.35E-08	1.16E-06	6.78E-07	2682
GSE17721_POLYIC_VS_PAM3CSK4_1H_BMDC_DN	157	0.57269	2.039703	8.66E-08	1.20E-06	7.01E-07	2068
GSE15930_STIM_VS_STIM_AND_IFNAB_48H_CD8_T_CEL L_DN	167	0.55442	1.993992	9.06E-08	1.26E-06	7.31E-07	1969
GSE29618_PDC_VS_MDC_DAY7_FLU_VACCINE_UP	163	0.55461	1.977859	9.37E-08	1.30E-06	7.54E-07	2031
GSE21379_WT_VS_SAP_KO_TFH_CD4_TCELL_UP	163	0.55444	1.977251	9.50E-08	1.31E-06	7.63E-07	1409
GSE25123_WT_VS_PPARG_KO_MACROPHAGE_DN	152	0.57322	2.031304	9.91E-08	1.36E-06	7.93E-07	2122
GSE3982_MEMORY_CD4_TCELL_VS_BCELL_DN	155	0.57022	2.028757	1.02E-07	1.40E-06	8.15E-07	1638
GSE7852_TREG_VS_TCONV_THYMUS_UP	169	0.55488	1.994813	1.04E-07	1.42E-06	8.28E-07	1802
GSE3337_CTRL_VS_16H_IFNG_IN_CD8POS_DC_UP	160	0.56302	2.011004	1.11E-07	1.52E-06	8.83E-07	2476
GSE32164_RESTING_DIFFERENTIATED_VS_ALTERNATI VELY_ACT_M2_MACROPHAGE_DN	161	0.56567	2.01799	1.12E-07	1.52E-06	8.84E-07	2319
GSE10325_BCELL_VS_LUPUS_BCELL_DN	168	0.55777	2.007187	1.15E-07	1.56E-06	9.10E-07	2337
GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_K O_4H_UP	146	0.56996	2.012734	1.17E-07	1.59E-06	9.25E-07	1924
GSE42021_TREG_PLN_VS_CD24LO_TREG_THYMUS_DN	157	0.57033	2.031323	1.22E-07	1.65E-06	9.60E-07	1513
GSE3039_CD4_TCELL_VS_ALPHABETA_CD8_TCELL_UP	155	0.56859	2.022968	1.26E-07	1.69E-06	9.85E-07	1818
GSE10325_CD4_TCELL_VS_LUPUS_CD4_TCELL_DN	155	0.56856	2.022852	1.27E-07	1.70E-06	9.92E-07	1586
GSE8515_CTRL_VS_IL1_4H_STIM_MAC_DN	162	0.55671	1.98511	1.29E-07	1.73E-06	1.01E-06	2162
GSE23502_WT_VS_HDC_KO_MYELOID_DERIVED_SUPPR ESSOR_CELL_BM_DN	165	0.5554	1.989303	1.30E-07	1.73E-06	1.01E-06	2757
GSE7852_LN_VS_FAT_TCONV_DN	160	0.56086	2.003281	1.36E-07	1.81E-06	1.06E-06	1933
GSE14000_4H_VS_16H_LPS_DC_TRANSLATED_RNA_UP	160	0.56004	2.000367	1.44E-07	1.91E-06	1.11E-06	1482
GSE17721_PAM3CSK4_VS_GADIQUIMOD_1H_BMDC_UP	165	0.55362	1.982926	1.58E-07	2.09E-06	1.21E-06	1653
GSE21546_SAP1A_KO_VS_SAP1A_KO_AND_ELK1_KO_A NTI_CD3_STIM_DP_THYMOCYTES_DN	162	0.55511	1.979393	1.64E-07	2.16E-06	1.26E-06	1945
GSE40274_CTRL_VS_XBP1_TRANSDUCEDED_ACTIVATED_ CD4_TCELL_UP	134	0.58889	2.058355	1.65E-07	2.17E-06	1.26E-06	1530
GSE5679_CTRL_VS_PPARG_LIGAND_ROSIGLITAZONE_A ND_RARA_Agonist_AM580_TREATED_DC_UP	155	0.56604	2.013885	1.65E-07	2.17E-06	1.26E-06	1402

GSE43863_DAY6_EFF_VS_DAY150_MEM_TH1_CD4_TCELL_UP	174	0.53922	1.948583	1.68E-07	2.20E-06	1.28E-06	1675
GSE32533_MIR17_KO_VS_MIR17_OVEREXPRESS_ACT_CD4_TCELL_UP	153	0.56553	2.006755	1.69E-07	2.20E-06	1.28E-06	1403
GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_1H_DN	164	0.56126	2.006569	1.74E-07	2.26E-06	1.32E-06	1916
GSE25085_FETAL_BM_VS_ADULT_BM_SP4_THYMIC_IMPLANT_DN	159	0.56044	1.996305	1.74E-07	2.26E-06	1.32E-06	2096
GSE29618_BCELL_VS_PDC_DAY7_FLU_VACCINE_UP	154	0.56238	2.002157	1.75E-07	2.27E-06	1.32E-06	2548
GSE43863_LY6C_INT_CXCR5POS_VS_LY6C_LOW_CXCR5_NEG_EFFECTOR_CD4_TCELL_DN	167	0.54805	1.971103	1.77E-07	2.29E-06	1.33E-06	1986
GSE22886_NAIVE_TCELL_VS_DC_DN	174	0.5387	1.946692	1.78E-07	2.30E-06	1.34E-06	2569
GSE26890_CXCR1_NEG_VS_POS_EFFECTOR_CD8_TCELL_UP	160	0.55899	1.996629	1.79E-07	2.30E-06	1.34E-06	1867
GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_DAY6_POST_IMMUNIZATION_UP	161	0.56063	2.00002	1.79E-07	2.30E-06	1.34E-06	1634
GSE11057_CD4_CENT_MEM_VS_PBMC_DN	163	0.548	1.954286	1.80E-07	2.30E-06	1.34E-06	2519
GSE33425_CD161_INT_VS_NEG_CD8_TCELL_DN	173	0.53831	1.945795	1.85E-07	2.36E-06	1.38E-06	1595
GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY7_DN	156	0.56368	2.00631	2.06E-07	2.62E-06	1.53E-06	1415
GSE30971_WBP7_HET_VS_KO_MACROPHAGE_4H_LPS_STIM_UP	151	0.56489	2.001103	2.11E-07	2.67E-06	1.56E-06	2352
GSE30083_SP2_VS_SP4_THYMOCYTE_DN	164	0.56003	2.002173	2.14E-07	2.71E-06	1.58E-06	1893
GSE2585_CTEC_VS_MTEC_THYMUS_DN	160	0.55786	1.992598	2.16E-07	2.72E-06	1.59E-06	1866
GSE33424_CD161_HIGH_VS_NEG_CD8_TCELL_UP	162	0.55247	1.969973	2.17E-07	2.74E-06	1.59E-06	2483
GSE22886_NAIVE_VS_IGM_MEMORY_BCELL_DN	161	0.55908	1.99449	2.22E-07	2.79E-06	1.62E-06	1560
GSE26030_TH1_VS_TH17_DAY5_POST_POLARIZATION_UP	153	0.56264	1.996502	2.25E-07	2.81E-06	1.64E-06	1691
GSE26488_CTRL_VS_PEPTIDE_INJECTION_OT2_THYMOCYTE_DN	151	0.56388	1.997507	2.30E-07	2.87E-06	1.67E-06	2077
GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_MYELOID_UP	155	0.56288	2.002635	2.40E-07	2.99E-06	1.74E-06	2098
GSE17721_PAM3CSK4_VS_CPG_12H_BMDC_DN	159	0.55751	1.985861	2.46E-07	3.06E-06	1.78E-06	1579
GSE9037_CTRL_VS_LPS_4H_STIM_IRAK4_KO_BMDM_D	164	0.55869	1.997399	2.54E-07	3.15E-06	1.83E-06	1928
GSE17721_0.5H_VS_4H_CPG_BMDC_DN	169	0.54742	1.967992	2.59E-07	3.20E-06	1.87E-06	2540
GSE7219_UNSTIM_VS_LPS_AND_ANTI_CD40_STIM_NIK_NFKB2_KO_DC_DN	158	0.56312	2.004002	2.64E-07	3.26E-06	1.90E-06	1914

GSE36078_WT_VS_IL1R_KO_LUNG_DC_AFTER_AD5_INF_UP	162	0.54909	1.957946	3.08E-07	3.79E-06	2.21E-06	1646
GSE25087_TREG_VS_TCONV_ADULT_UP	149	0.56315	1.990667	3.12E-07	3.83E-06	2.23E-06	2181
GSE7219_UNSTIM_VS_LPS_AND_ANTI_CD40_STIM_DC_DN	139	0.57386	2.011968	3.19E-07	3.91E-06	2.28E-06	2096
GSE2770_TGFB_AND_IL4_VS_IL12_TREATED_ACT_CD4_TCELL_6H_UP	154	0.5568	1.982293	3.25E-07	3.96E-06	2.31E-06	2672
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_30H_UP	169	0.54582	1.962256	3.25E-07	3.96E-06	2.31E-06	1559
GSE39820_CTRL_VS_IL1B_IL6_IL23A_CD4_TCELL_DN	161	0.55493	1.979675	3.39E-07	4.12E-06	2.40E-06	2673
GSE20727_ROS_INH_VS_ROS_INH_AND_DNFB_ALLERGEN_TREATED_DC_UP	150	0.56339	1.991499	3.51E-07	4.25E-06	2.47E-06	2614
GSE6259_33D1_POS_VS_DEC205_POS_FLT3L_INDUCED_SPLENIC_DC_UP	148	0.55958	1.969291	3.64E-07	4.40E-06	2.56E-06	1542
GSE2706_R848_VS_R848_AND_LPS_8H_STIM_DC_DN	146	0.56065	1.979848	3.77E-07	4.55E-06	2.65E-06	2485
GSE41867_DAY6_VS_DAY15_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_UP	142	0.57061	2.004495	3.90E-07	4.70E-06	2.73E-06	1234
GSE4748_CTRL_VS_CYANOBACTERIUM_LPSLIKE_STIM_DC_3H_DN	172	0.53052	1.914776	3.95E-07	4.74E-06	2.76E-06	880
GSE5589_IL6_KO_VS_IL10_KO_LPS_AND_IL10_STIM_MACROPHAGE_45MIN_UP	162	0.54718	1.951105	3.99E-07	4.78E-06	2.78E-06	1943
GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4_KO_BCELL_UP	161	0.55294	1.972579	4.03E-07	4.82E-06	2.80E-06	1248
GSE7219_UNSTIM_VS_LPS_AND_ANTI_CD40_STIM_NIK_NFKB2_KO_DC_UP	149	0.56084	1.982497	4.15E-07	4.94E-06	2.88E-06	2113
GSE37534_UNTREATED_VS_PIOGLITAZONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRANSDUCED_DN	162	0.54672	1.949468	4.37E-07	5.19E-06	3.02E-06	1917
GSE21360_NAIVE_VS_PRIMARY_MEMORY_CD8_TCELL_UP	146	0.55908	1.974289	4.47E-07	5.31E-06	3.09E-06	1880
GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_4H_DN	151	0.55966	1.98256	4.61E-07	5.46E-06	3.18E-06	1559
GSE16385_ROSIGLITAZONE_IL4_VS_IFNG_TNF_STIM_MACROPHAGE_UP	164	0.55305	1.977205	4.73E-07	5.58E-06	3.25E-06	2241
GSE17721_CTRL_VS_LPS_2H_BMDC_DN	172	0.52857	1.90774	4.99E-07	5.88E-06	3.42E-06	1977
GSE3982_DC_VS_CENT_MEMORY_CD4_TCELL_UP	173	0.52889	1.911744	5.29E-07	6.21E-06	3.62E-06	1403

GSE44955_MCSF_VS_MCSF_AND_IL27_STIM_MACROPHAGE_UP	160	0.54994	1.964287	5.35E-07	6.27E-06	3.65E-06	1644
HALLMARK_COAGULATION	126	0.58583	2.031387	5.56E-07	6.50E-06	3.78E-06	1457
GSE41867_DAY15_EFFECTOR_VS_DAY30_EXHAUSTED_CD8_TCELL_LCMV_CLONE13_UP	160	0.54879	1.960176	5.72E-07	6.67E-06	3.88E-06	1919
GSE2770_IL12_AND_TGFB_VS_IL4_TREATED_ACT_CD4_TCELL_48H_DN	135	0.57079	1.995253	5.80E-07	6.74E-06	3.93E-06	1801
GSE360_L_MAJOR_VS_B_MALAYI_HIGH_DOSE_DC_UP	165	0.54181	1.940626	6.48E-07	7.52E-06	4.38E-06	1982
GSE22886_NAIVE_TCELL_VS_NEUTROPHIL_DN	163	0.53715	1.915585	6.53E-07	7.56E-06	4.40E-06	2427
GSE36891_UNSTIM_VS_POLYIC_TLR3_STIM_PERITONEAL_MACROPHAGE_UP	119	0.58188	2.008792	6.54E-07	7.56E-06	4.40E-06	2287
GSE33292_WT_VS_TCF1_KO_DN3_THYMOCYTE_UP	157	0.55804	1.987531	6.60E-07	7.61E-06	4.43E-06	1548
GSE4535_BM_DERIVED_DC_VS_FOLLICULAR_DC_UP	158	0.55408	1.971835	6.71E-07	7.72E-06	4.49E-06	2101
GSE13306_RA_VS_UNTREATED_MEM_CD4_TCELL_UP	160	0.546	1.950225	7.00E-07	8.04E-06	4.68E-06	1964
GSE40274_FOXP3_VS_FOXP3_AND_PBX1_TRANSDUCEDED_ACTIVATED_CD4_TCELL_UP	164	0.54861	1.961341	7.03E-07	8.05E-06	4.68E-06	1634
GSE37416_0H_VS_6H_F_TULARENSIS_LVS_NEUTROPHIL_DN	150	0.55746	1.970525	7.05E-07	8.05E-06	4.69E-06	2323
GSE3982_DC_VS_BCELL_UP	171	0.5299	1.911383	7.22E-07	8.22E-06	4.79E-06	1475
GSE360_CTRL_VS_L_MAJOR_DC_DN	162	0.54278	1.935431	7.27E-07	8.27E-06	4.81E-06	1534
GSE43955_TGFB_IL6_VS_TGFB_IL6_IL23_TH17_ACT_CD4_TCELL_52H_DN	172	0.52381	1.890537	7.41E-07	8.40E-06	4.89E-06	1873
GSE17721_LPS_VS_POLYIC_4H_BMDC_UP	161	0.5468	1.950687	7.46E-07	8.44E-06	4.91E-06	1691
GSE36826_NORMAL_VS_STAPH_AUREUS_INF_SKIN_UP	155	0.54974	1.955916	7.86E-07	8.87E-06	5.17E-06	1620
GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_CD8A_DC_DN	158	0.55265	1.96676	7.89E-07	8.89E-06	5.17E-06	2082
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_DN	155	0.54933	1.954435	7.97E-07	8.95E-06	5.21E-06	2262
GSE45365_NK_CELL_VS_CD11B_DC_MCMV_INFECTION_DN	158	0.55249	1.966203	8.00E-07	8.97E-06	5.22E-06	1693
GSE5589_LPS_VS_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_UP	157	0.55634	1.98149	8.10E-07	9.06E-06	5.27E-06	2208
GSE3982_NEUTROPHIL_VS_CENT_MEMORY_CD4_TCELL_UP	173	0.52376	1.893221	8.11E-07	9.06E-06	5.27E-06	2427

GSE9006_1MONTH_VS_4MONTH_POST_TYPE_1_DIABETES_DX_PBMC_UP	152	0.55541	1.968203	8.80E-07	9.80E-06	5.71E-06	1416
GSE36826_WT_VS_IL1R_KO_SKIN_UP	166	0.54473	1.955003	8.87E-07	9.86E-06	5.74E-06	2092
GSE21360_NAIVE_VS_SECONDARY_MEMORY_CD8_TCELL_LL_DN	148	0.55104	1.939246	9.40E-07	1.04E-05	6.07E-06	2240
GSE12366_GC_VS_MEMORY_BCELL_DN	146	0.5509	1.945399	9.43E-07	1.04E-05	6.07E-06	2633
GSE42021_TREG_PLN_VS_CD24HI_TREG_THYMUS_UP	169	0.53536	1.924647	9.62E-07	1.06E-05	6.18E-06	2778
KAECH_DAY15_EFF_VS_MEMORY_CD8_TCELL_UP	167	0.53285	1.916425	1.02E-06	1.12E-05	6.55E-06	1598
GSE23321_CENTRAL_MEMORY_VS_NAIVE_CD8_TCELL_UP	166	0.54352	1.950631	1.05E-06	1.15E-05	6.69E-06	2206
GSE36888_UNTREATED_VS_IL2_TREATED_STAT5_AB_KNOCKIN_TCELL_6H_UP	150	0.5538	1.957573	1.07E-06	1.17E-05	6.80E-06	2119
GSE360_T_GONDII_VS_B_MALAYI_LOW_DOSE_DC_UP	155	0.54711	1.946555	1.11E-06	1.21E-05	7.05E-06	2119
GSE3982_BCELL_VS_CENTRAL_MEMORY_CD4_TCELL_UP	157	0.55134	1.963692	1.13E-06	1.24E-05	7.20E-06	1638
GSE15330_HSC_VS_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_DN	152	0.55306	1.959872	1.25E-06	1.36E-05	7.91E-06	2020
GSE22886_NAIVE_CD4_TCELL_VS_DC_DN	171	0.52418	1.890726	1.26E-06	1.37E-05	7.97E-06	2358
GSE19923_WT_VS_HEB_AND_E2A_KO_DP_THYMOCYTE_DN	157	0.5496	1.957491	1.28E-06	1.39E-05	8.10E-06	2886
GSE19888_ADENOSINE_A3R_INH_VS_INH_PRETREAT_AND_ACT_WITH_TCELL_MEMBRANES_MAST_CELL_UP	153	0.54962	1.950294	1.31E-06	1.41E-05	8.22E-06	1976
GSE43955_10H_VS_30H_ACT_CD4_TCELL_UP	169	0.5326	1.914721	1.33E-06	1.44E-05	8.39E-06	1189
GSE5542_UNTREATED_VS_IFNA_TREATED_EPITHELIAL_CELLS_6H_UP	152	0.55283	1.959049	1.36E-06	1.46E-05	8.51E-06	1807
GSE3400_UNTREATED_VS_IFNB_TREATED_MEF_DN	119	0.57376	1.980745	1.36E-06	1.46E-05	8.51E-06	1655
GSE33292_DN3_THYMOCYTE_VS_TCF1_KO_TCELL_LYMPHOMA_UP	168	0.53538	1.92663	1.37E-06	1.47E-05	8.56E-06	1142
GSE17721_POLYIC_VS_CPG_2H_BMDC_DN	173	0.51841	1.873873	1.40E-06	1.50E-05	8.72E-06	1416
GSE7852_THYMUS_VS_FAT_TCONV_DN	162	0.5364	1.912699	1.42E-06	1.51E-05	8.82E-06	2594
GSE22313_HEALTHY_VS_SLE_MOUSE_CD4_TCELL_DN	163	0.53164	1.895935	1.46E-06	1.56E-05	9.08E-06	1998
GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULATED_IRF4HIGH_SORTED_BCELL_DN	151	0.54831	1.942371	1.54E-06	1.63E-05	9.51E-06	2112
GSE16385_ROSIGLITAZONE_IFNG_TNF_VS_IL4_STIM_MACROPHAGE_UP	154	0.54091	1.925711	1.57E-06	1.67E-05	9.69E-06	2415

GSE2405_0H_VS_12H_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_UP	159	0.53961	1.922104	1.67E-06	1.77E-05	1.03E-05	1530
GSE43955_1H_VS_10H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN	163	0.5306	1.892247	1.68E-06	1.77E-05	1.03E-05	1648
GSE18804_SPLEEN_MACROPHAGE_VS_BRAIN_TUMORAL_MACROPHAGE_UP	148	0.54454	1.916378	1.71E-06	1.81E-05	1.05E-05	1363
GSE360_LOW_DOSE_B_MALAYI_VS_M_TUBERCULOSIS_MAC_DN	166	0.53877	1.933595	1.72E-06	1.81E-05	1.05E-05	1283
GSE22886_NAIVE_CD8_TCELL_VS_MONOCYTE_UP	166	0.53842	1.932343	1.74E-06	1.82E-05	1.06E-05	2206
GSE21546_UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_UP	135	0.56049	1.959234	1.74E-06	1.82E-05	1.06E-05	1505
GSE17721_0.5H_VS_8H_CPG_BMDC_DN	151	0.54674	1.936798	1.80E-06	1.88E-05	1.09E-05	2287
HALLMARK_UV_RESPONSE_DN	127	0.56846	1.972217	1.81E-06	1.89E-05	1.10E-05	1552
GSE17721_PAM3CSK4_VS_CPG_4H_BMDC_DN	162	0.53413	1.904584	1.85E-06	1.93E-05	1.12E-05	2533
GSE5542_UNTREATED_VS_IFNG_TREATED_EPITHELIAL_CELLS_6H_DN	153	0.54407	1.930613	1.89E-06	1.96E-05	1.14E-05	2471
GSE34205_HEALTHY_VS_FLU_INF_INFANT_PBMC_DN	159	0.53764	1.915089	1.89E-06	1.96E-05	1.14E-05	2547
GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_ADULT_UP	160	0.53802	1.921707	1.90E-06	1.96E-05	1.14E-05	1621
GSE41867_DAY6_EFFECTOR_VS_DAY30_EXHAUSTED_CD8_TCELL_LCMV_CLONE13_UP	155	0.54248	1.930073	1.90E-06	1.96E-05	1.14E-05	1530
GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_3H_DN	162	0.53347	1.902241	1.96E-06	2.02E-05	1.17E-05	1370
GSE16385_ROSIGLITAZONE_IL4_VS_IL4_ALONE_STIM_MACROPHAGE_12H_UP	157	0.54498	1.941017	1.97E-06	2.03E-05	1.18E-05	1393
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_1H_UP	166	0.53709	1.927584	2.10E-06	2.16E-05	1.26E-05	1291
GSE13485_DAY1_VS_DAY3_YF17D_VACCINE_PBMC_DN	160	0.53713	1.918554	2.12E-06	2.17E-05	1.26E-05	2351
GSE45382_UNTREATED_VS_TGFB_TREATED_MACROPHAGES_UP	163	0.52837	1.884294	2.20E-06	2.25E-05	1.31E-05	1591
GSE1460_INTRATHYMIC_T_PROGENITOR_VS_DP_THYMOCYTE_DN	154	0.53643	1.909756	2.25E-06	2.30E-05	1.34E-05	2274
GSE14415_ACT_TCONV_VS_ACT_NATURAL_TREG_DN	156	0.54164	1.927844	2.28E-06	2.32E-05	1.35E-05	1579
GSE4984_UNTREATED_VS_GALECTIN1_TREATED_DC_UP	151	0.5452	1.931334	2.30E-06	2.33E-05	1.36E-05	2236

GSE7852_LN_VS_FAT_TREG_DN	159	0.53492	1.905378	2.41E-06	2.44E-05	1.42E-05	2422
GSE11057_NAIVE_CD4_VS_PBMC_CD4_TCELL_DN	166	0.53595	1.923459	2.43E-06	2.45E-05	1.43E-05	1892
GSE21360_SECONDARY_VS_QUATERNARY_MEMORY_CD8_TCELL_DN	130	0.55564	1.939854	2.53E-06	2.55E-05	1.48E-05	1386
GSE45365_NK_CELL_VS_CD8_TCELL_MCMV_INFECTIO N_DN	152	0.54531	1.93242	2.60E-06	2.61E-05	1.52E-05	2021
GSE36891_UNSTIM_VS_POLYIC_TLR3_STIM_PERITONEA L_MACROPHAGE_DN	170	0.52546	1.888772	2.68E-06	2.69E-05	1.57E-05	2208
GSE11864_CSF1_PAM3CYS_VS_CSF1_IFNG_PAM3CYS_IN _MAC_DN	146	0.53752	1.898161	2.84E-06	2.85E-05	1.66E-05	1764
GSE360_L_DONOVANI_VS_B_MALAYI_LOW_DOSE_DC_ DN	154	0.53387	1.90065	2.85E-06	2.86E-05	1.66E-05	1424
GSE24026_PD1_LIGATION_VS_CTRL_IN_ACT_TCELL_LI NE_UP	162	0.52925	1.887194	2.94E-06	2.93E-05	1.71E-05	1504
GSE22886_CD8_TCELL_VS_BCELL_NAIVE_UP	163	0.52523	1.873101	2.94E-06	2.93E-05	1.71E-05	2199
GSE17721_LPS_VS_POLYIC_2H_BMDC_UP	172	0.51088	1.843875	2.95E-06	2.93E-05	1.71E-05	2282
GSE7548_DAY7_VS_DAY28_PCC_IMMUNIZATION_CD4_T CELL_UP	157	0.54086	1.926355	2.97E-06	2.95E-05	1.71E-05	1889
GSE42724_NAIVE_VS_MEMORY_BCELL_DN	159	0.53356	1.900537	2.97E-06	2.95E-05	1.71E-05	1764
GSE15735_2H_VS_12H_HDAC_INHIBITOR_TREATED_CD4 _TCELL_UP	156	0.53797	1.91477	3.06E-06	3.02E-05	1.76E-05	2339
GSE19198_1H_VS_24H_IL21_TREATED_TCELL_DN	159	0.53288	1.898119	3.06E-06	3.02E-05	1.76E-05	2850
GSE24574_BCL6_HIGH_TFH_VS_TCONV_CD4_TCELL_DN	162	0.52856	1.884727	3.11E-06	3.06E-05	1.78E-05	1927
GSE360_L_DONOVANI_VS_L_MAJOR_MAC_DN	156	0.53735	1.912576	3.28E-06	3.22E-05	1.87E-05	1100
GSE19401_UNSTIM_VS_RETINOIC_ACID_STIM_FOLLICU LAR_DC_DN	143	0.54979	1.935598	3.33E-06	3.26E-05	1.90E-05	1736
GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_6 H_DN	168	0.52595	1.892669	3.35E-06	3.28E-05	1.91E-05	2347
GSE1460_CD4_THYMOCYTE_VS_THYMIC_STROMAL_CE LL_DN	169	0.523	1.880197	3.41E-06	3.33E-05	1.94E-05	2117
GSE360_L_DONOVANI_VS_B_MALAYI_LOW_DOSE_DC_ UP	169	0.52279	1.879464	3.41E-06	3.33E-05	1.94E-05	2249
GSE17721_LPS_VS_GARDIQUIMOD_2H_BMDC_UP	167	0.5203	1.871301	3.53E-06	3.43E-05	2.00E-05	2763
GSE22886_NAIVE_CD8_TCELL_VS_NKCELL_DN	163	0.5233	1.866216	3.55E-06	3.45E-05	2.01E-05	2432
GSE22886_NAIVE_CD4_TCELL_VS_MONOCYTE_UP	157	0.53962	1.92192	3.58E-06	3.47E-05	2.02E-05	2061

GSE21670_UNTREATED_VS_TGFB_IL6_TREATED_CD4_T CELL_UP	152	-0.4268	-1.8101	3.66E-06	3.54E-05	2.06E-05	2988
GSE15330_LYMPHOID_MULTIPOTENT_VS_PRO_BCELL_ DN	154	0.52874	1.8824	3.76E-06	3.63E-05	2.11E-05	1567
GSE21774_CD62L_POS_CD56_DIM_VS_CD62L_NEG_CD56 _DIM_NK_CELL_UP	160	0.52943	1.891025	3.82E-06	3.68E-05	2.14E-05	1229
GSE25123_WT_VS_PPARG_KO_MACROPHAGE_IL4_STIM _DN	171	0.51362	1.852658	3.94E-06	3.78E-05	2.20E-05	1472
GSE13485_DAY7_VS_DAY21_YF17D_VACCINE_PBMC_UP	157	0.53725	1.913488	3.97E-06	3.79E-05	2.21E-05	1395
GSE20366_TREG_VS_TCONV_DN	169	0.52089	1.872624	3.97E-06	3.79E-05	2.21E-05	2385
GSE9650_NAIVE_VS_EFF_CD8_TCELL_DN	166	0.53046	1.903788	3.97E-06	3.79E-05	2.21E-05	2043
GSE15735_CTRL_VS_HDAC_INHIBITOR_TREATED_CD4_ TCELL_2H_UP	156	0.53541	1.905658	3.97E-06	3.79E-05	2.21E-05	2427
GSE6269_E_COLI_VS_STREP_PNEUMO_INF_PBMC_DN	134	0.55505	1.940102	3.99E-06	3.79E-05	2.21E-05	1919
GSE5679_CTRL_VS_PPARG_LIGAND_ROSIGLITAZONE_A ND_RARA_AGONIST_AM580_TREATED_DC_DN	168	0.52426	1.886588	3.99E-06	3.79E-05	2.21E-05	1310
GSE17721_0.5H_VS_12H_CPG_BMDC_DN	160	0.52886	1.888983	4.00E-06	3.79E-05	2.21E-05	2570
GSE6259_CD4_TCELL_VS_CD8_TCELL_DN	149	0.54162	1.914557	4.03E-06	3.81E-05	2.22E-05	1642
GSE17974_2H_VS_72H_UNTREATED_IN_VITRO_CD4_TC ELL_UP	140	0.54366	1.908748	4.09E-06	3.85E-05	2.24E-05	2526
GSE37301_CD4_TCELL_VS_GRANULOCYTE_MONOCYTE _PROGENITOR_DN	140	0.54373	1.909003	4.09E-06	3.85E-05	2.24E-05	2081
GSE360_DC_VS_MAC_L_DONOVANI_UP	158	0.53445	1.902003	4.14E-06	3.90E-05	2.27E-05	1975
GSE40666_STAT1_KO_VS_STAT4_KO_CD8_TCELL_WITH _IFNA_STIM_90MIN_DN	116	0.56865	1.963951	4.15E-06	3.90E-05	2.27E-05	1881
GSE29949_MICROGLIA_BRAIN_VS_CD8_POS_DC_SPLEE N_UP	172	0.50803	1.833586	4.18E-06	3.92E-05	2.28E-05	1692
GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THY MOCYTE_FETAL_UP	165	0.52249	1.871447	4.35E-06	4.07E-05	2.37E-05	2569
GSE45739_UNSTIM_VS_ACD3_ACD28_STIM_NRAS_KO_C D4_TCELL_DN	154	0.52704	1.876348	4.36E-06	4.07E-05	2.37E-05	2344
GOLDRATH_NAIVE_VS_MEMORY_CD8_TCELL_DN	155	0.53424	1.900756	4.38E-06	4.09E-05	2.38E-05	1471
GSE2128_C57BL6_VS_NOD_CD4CD8_DP_THYMOCYTE_U P	158	0.53359	1.898908	4.40E-06	4.09E-05	2.38E-05	1887

GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_2H_AC T_CD4_TCELL_UP	131	0.55146	1.922658	4.42E-06	4.10E-05	2.39E-05	1830
GSE3920_IFNA_VS_IFNB_TREATED_ENDOTHELIAL_CEL L_DN	130	0.55041	1.921606	4.54E-06	4.21E-05	2.45E-05	1530
GSE22886_CD4_TCELL_VS_BCELL_NAIVE_UP	165	0.52211	1.87009	4.56E-06	4.22E-05	2.46E-05	2458
GSE6092_B_BURGDORFERI_VS_B_BURGDORFERI_AND_IF NG_STIM_ENDOTHELIAL_CELL_DN	151	0.5366	1.900875	4.62E-06	4.26E-05	2.48E-05	2010
GSE9988_ANTI_TREM1_VS_VEHICLE_TREATED_MONOC YTES_DN	151	0.53641	1.900215	4.62E-06	4.26E-05	2.48E-05	2477
GSE21670_IL6_VS_TGFB_AND_IL6_TREATED_CD4_TCEL L_UP	141	0.54649	1.922246	4.74E-06	4.36E-05	2.54E-05	2456
GSE7460_FOXP3_MUT_VS_WT_ACT_TCONV_UP	162	0.52517	1.872625	4.77E-06	4.38E-05	2.55E-05	1997
GSE3039_ALPHAALPHA_CD8_TCELL_VS_B2_BCELL_DN	167	0.51678	1.858633	4.86E-06	4.45E-05	2.59E-05	2721
GSE28783_ANTI_MIR33_VS_UNTREATED_ATHEROSCLE ROSIS_MACROPHAGE_DN	165	0.52095	1.865923	4.91E-06	4.49E-05	2.62E-05	1070
GSE37301_MULTIPOTENT_PROGENITOR_VS_GRAN_MO NO_PROGENITOR_DN	156	0.53309	1.897417	4.93E-06	4.50E-05	2.62E-05	2225
GSE21678_WT_VS_FOXO1_FOXO3_KO_TREG_UP	148	0.53602	1.886376	4.96E-06	4.52E-05	2.63E-05	2495
GSE37301_PRO_BCELL_VS_CD4_TCELL_DN	119	0.55568	1.91832	5.04E-06	4.59E-05	2.67E-05	1300
GSE21670_UNTREATED_VS_TGFB_TREATED_STAT3_KO _CD4_TCELL_DN	155	0.53286	1.895857	5.08E-06	4.61E-05	2.69E-05	2368
GSE22886_TCELL_VS_BCELL_NAIVE_UP	161	0.52942	1.888701	5.10E-06	4.62E-05	2.69E-05	1899
GSE29618_BCELL_VS_MDC_UP	145	0.53372	1.879923	5.10E-06	4.62E-05	2.69E-05	2933
GSE2197_CPG_DNA_VS_UNTREATED_IN_DC_UP	162	0.52291	1.864575	5.47E-06	4.94E-05	2.87E-05	2723
GSE3982_DC_VS_TH1_UP	167	0.51432	1.849765	5.89E-06	5.31E-05	3.09E-05	1916
GSE15330_HSC_VS_LYMPHOID_PRIMED_MULTIPOTENT _PROGENITOR_UP	167	0.51415	1.849149	5.97E-06	5.38E-05	3.13E-05	2012
GSE29618_BCELL_VS_PDC_DN	165	0.51762	1.853986	6.13E-06	5.50E-05	3.20E-05	2235
GSE14699_NAIVE_VS_DELETIONAL_TOLERANCE_CD8_T CELL_DN	158	0.52963	1.884832	6.14E-06	5.51E-05	3.20E-05	2060
GSE5589_LPS_VS_LPS_AND_IL10_STIM_MACROPHAGE_ 45MIN_UP	156	0.52987	1.885946	6.15E-06	5.51E-05	3.20E-05	1933
GSE5455_HEALTHY_VS_TUMOR_BEARING_MOUSE_SPL EEN_MONOCYTE_24H_INCUBATION_DN	162	0.52131	1.858892	6.17E-06	5.51E-05	3.21E-05	2266

GSE22886_DAY0_VS_DAY1_MONOCYTE_IN_CULTURE_UP	165	0.51683	1.851171	6.48E-06	5.76E-05	3.35E-05	2548
GSE3982_NEUTROPHIL_VS_BCELL_UP	165	0.51673	1.850794	6.48E-06	5.76E-05	3.35E-05	2576
GSE13522_CTRL_VS_T_CRUZI_Y_STRAIN_INF_SKIN_IFNAR_KO_UP	164	0.52484	1.876353	6.49E-06	5.76E-05	3.35E-05	1313
GSE41867_NAIVE_VS_DAY6_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_DN	164	0.52502	1.877002	6.49E-06	5.76E-05	3.35E-05	1633
GSE34156_UNTREATED_VS_6H_NOD2_AND_TLR1_TLR2_LIGAND_TREATED_MONOCYTE_DN	129	0.54732	1.906886	6.54E-06	5.79E-05	3.37E-05	1562
GSE12392_WT_VS_IFNAR_KO_CD8A_NEG_SPLEEN_DC_UP	155	0.53004	1.885824	6.82E-06	6.02E-05	3.51E-05	2059
HALLMARK_ADIPOGENESIS	166	-0.4184	-1.79774	6.89E-06	6.08E-05	3.54E-05	2391
GSE34006_A2AR_KO_VS_A2AR_AGONIST_TREATED_TREG_UP	161	0.52657	1.878534	6.93E-06	6.10E-05	3.55E-05	2699
GSE17721_CTRL_VS_GARDIQUIMOD_12H_BMDC_DN	169	0.51401	1.847884	7.12E-06	6.26E-05	3.64E-05	2406
GSE19923_E2A_KO_VS_E2A_AND_HEB_KO_DP_THYMOCYTE_DN	170	0.51415	1.848142	7.20E-06	6.31E-05	3.68E-05	1959
GSE26669_CTRL_VS_COSTIM_BLOCK_MLR_CD4_TCELL_DN	152	0.53753	1.904832	7.24E-06	6.34E-05	3.69E-05	2215
GSE22886_NEUTROPHIL_VS_DC_UP	161	0.5257	1.875424	7.36E-06	6.43E-05	3.74E-05	1557
GSE4984_LPS_VS_VEHICLE_CTRL_TREATED_DC_DN	153	0.52882	1.876499	7.36E-06	6.43E-05	3.74E-05	2566
GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8A_DC_IFNAR_KO_DN	166	0.52351	1.878826	7.46E-06	6.50E-05	3.78E-05	1764
GSE360_DC_VS_MAC_T_GONDII_DN	164	0.52304	1.869929	7.54E-06	6.55E-05	3.82E-05	1749
GSE43863_DAY6_EFF_VS_DAY150_MEM_TFH_CD4_TCELL_UP	166	0.52333	1.878175	7.55E-06	6.55E-05	3.82E-05	1613
GSE6092_IFNG_VS_IFNG_AND_B_BURGDORFERI_INF_ENDOTHELIAL_CELL_DN	147	0.5408	1.907583	7.58E-06	6.56E-05	3.82E-05	2803
GSE4748_LPS_VS_LPS_AND_CYANOBACTERIUM_LPSLIKE_STIM_DC_3H_UP	140	0.53629	1.882884	7.68E-06	6.64E-05	3.87E-05	2300
GSE29618_BCELL_VS_PDC_DAY7_FLU_VACCINE_DN	165	0.51519	1.845282	7.69E-06	6.64E-05	3.87E-05	1926
GSE1112_HY_CD8AB_VS_HY_CD8AA_THYMOCYTE_RT0C_CULTURE_DN	142	0.53976	1.896126	7.70E-06	6.64E-05	3.87E-05	1740
GSE39556_CD8A_DC_VS_NK_CELL_MOUSE_3H_POST_POLYIC_INJ_DN	162	0.51666	1.842294	7.83E-06	6.73E-05	3.92E-05	1609

GSE13738_TCR_VS_BYSTANDER_ACTIVATED_CD4_TCELL_DN	149	0.53412	1.888043	7.83E-06	6.73E-05	3.92E-05	1771
GSE37605_TREG_VS_TCONV_NOD_FOXP3_FUSION_GFP_UP	107	0.57221	1.951502	7.90E-06	6.77E-05	3.94E-05	1790
GSE7852_TREG_VS_TCONV_FAT_UP	163	0.51442	1.83452	7.93E-06	6.79E-05	3.95E-05	1815
GSE28737_WT_VS_BCL6_KO_FOLLICULAR_BCELL_DN	159	0.52308	1.863221	8.07E-06	6.90E-05	4.02E-05	2349
GSE3039_B2_VS_B1_BCELL_UP	161	0.52397	1.869245	8.15E-06	6.95E-05	4.05E-05	2222
GSE36476_CTRL_VS_TSST_ACT_16H_MEMORY_CD4_TCELL_YOUNG_UP	164	0.52237	1.867536	8.24E-06	7.01E-05	4.08E-05	2108
GSE24142_DN2_VS_DN3_THYMOCYTE_FETAL_UP	175	0.50483	1.82816	8.27E-06	7.03E-05	4.09E-05	2031
GSE17721_CTRL_VS_CPG_4H_BMDC_DN	166	0.52217	1.874011	8.58E-06	7.29E-05	4.24E-05	1455
GSE16385_ROSIGLITAZONE_IL4_VS_IL4_ALONE_STIM_MACROPHAGE_12H_DN	162	0.5153	1.837456	8.70E-06	7.37E-05	4.29E-05	1954
GSE2770_UNTREATED_VS_TGFB_AND_IL4_TREATED_ACT_CD4_TCELL_48H_DN	165	0.51343	1.838978	8.82E-06	7.46E-05	4.34E-05	2084
GSE360_L_DONOVANI_VS_B_MALAYI_HIGH_DOSE_DC_DN	159	0.52228	1.860368	8.86E-06	7.48E-05	4.35E-05	1076
GSE19198_CTRL_VS_IL21_TREATED_TCELL_6H_DN	153	0.5253	1.864	9.20E-06	7.75E-05	4.51E-05	2087
GSE40273_EOS_KO_VS_WT_TREG_UP	168	0.51486	1.852787	9.23E-06	7.76E-05	4.52E-05	2356
GSE43863_TFH_VS_LY6C_LOW_CXCR5NEG_EFFECTOR_CD4_TCELL_DN	167	0.50918	1.831281	9.24E-06	7.76E-05	4.52E-05	1945
GSE22501_PERIPHERAL_BLOOD_VS_CORD_BLOOD_TREG_DN	151	0.52891	1.873654	9.29E-06	7.79E-05	4.53E-05	1461
GSE3337_CTRL_VS_4H_IFNG_IN_CD8POS_DC_DN	155	0.52695	1.874825	9.34E-06	7.81E-05	4.55E-05	1644
GSE33374_CD8_ALPHAALPHA_VS_ALPHABETA_CD161_HIGH_TCELL_DN	159	0.52177	1.858548	9.38E-06	7.84E-05	4.56E-05	2418
GSE3982_BCELL_VS_BASOPHIL_DN	163	0.51242	1.827392	9.59E-06	8.00E-05	4.66E-05	2109
GSE24671_CTRL_VS_SENDAI_VIRUS_INFECTED_MOUSE_SPLENOCYTES_UP	131	0.54253	1.891491	1.02E-05	8.52E-05	4.96E-05	1606
GSE2585_CD80_HIGH_VS_LOW_AIRE_KO_MTEC_UP	161	0.52133	1.859821	1.02E-05	8.52E-05	4.96E-05	1429
GSE13484_UNSTIM_VS_12H_YF17D_VACCINE_STIM_PBMC_DN	158	0.52434	1.865989	1.04E-05	8.65E-05	5.04E-05	2223
HALLMARK_ANGIOGENESIS	32	0.73902	2.059949	1.06E-05	8.78E-05	5.11E-05	1628
GSE22886_NAIVE_BCELL_VS_BLOOD_PLASMA_CELL_DN	163	0.5119	1.825545	1.07E-05	8.81E-05	5.13E-05	2462

GSE12392_IFNAR_KO_VS_IFNB_KO_CD8_NEG_SPLEEN_DC_DN	166	0.5189	1.862273	1.07E-05	8.81E-05	5.13E-05	1573
GSE16266_LPS_VS_HEATSHOCK_AND_LPS_STIM_MEF_DN	150	0.5277	1.865339	1.10E-05	9.04E-05	5.26E-05	2442
GSE17721_PAM3CSK4_VS_GADIQUIMOD_12H_BMDC_DN	163	0.51114	1.822834	1.10E-05	9.05E-05	5.27E-05	2208
GSE22886_NAIVE_CD8_TCELL_VS_MEMORY_TCELL_DN	169	0.50839	1.827672	1.10E-05	9.05E-05	5.27E-05	1729
GSE19923_E2A_KO_VS_HEB_AND_E2A_KO_DP_THYMOCYTE_UP	166	0.51769	1.857934	1.12E-05	9.16E-05	5.33E-05	2636
GSE40666_WT_VS_STAT1_KO_CD8_TCELL_DN	154	0.51813	1.844622	1.12E-05	9.16E-05	5.33E-05	2888
GSE360_L_MAJOR_VS_T_GONDII_MAC_UP	165	0.51108	1.830559	1.14E-05	9.36E-05	5.45E-05	1363
GSE17580_UNINFECTED_VS_S_MANSONI_INF_TEFF_DN	156	0.52379	1.864298	1.18E-05	9.66E-05	5.63E-05	1875
GSE43957_UNTREATED_VS_NACL_TREATED_ANTI_CD3_CD28_STIM_CD4_TCELL_DN	164	0.51698	1.848253	1.20E-05	9.78E-05	5.69E-05	2669
GSE37301_MULTIPOTENT_PROGENITOR_VS_LYMPHOID_PRIMED_MPP_DN	148	0.52652	1.852976	1.21E-05	9.85E-05	5.74E-05	1971
GSE13946_CTRL_VS_DSS_COLITIS_GD_TCELL_FROM_COLON_DN	145	0.52405	1.84586	1.24E-05	0.000101	5.86E-05	1804
GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_12H_ACT_CD4_TCELL_DN	143	0.53303	1.876572	1.27E-05	0.000103	6.01E-05	1677
GSE43863_TFH_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_DN	162	0.51067	1.820939	1.31E-05	0.000106	6.17E-05	1947
GSE29164_UNTREATED_VS_CD8_TCELL_TREATED_MELANOMA_DAY7_UP	161	0.51882	1.850882	1.32E-05	0.000107	6.22E-05	2202
GSE9988_ANTI_TREM1_VS_VEHICLE_TREATED_MONOCYTES_UP	142	0.53326	1.873295	1.42E-05	0.000115	6.68E-05	2060
GSE42021_CD24INT_VS_CD24LOW_TREG_THYMUS_DN	166	0.51471	1.847241	1.43E-05	0.000115	6.71E-05	1707
GSE3982_NEUTROPHIL_VS_EFF_MEMORY_CD4_TCELL_UP	165	0.50885	1.82257	1.44E-05	0.000116	6.75E-05	2543
GSE29618_BCELL_VS_MDC_DAY7_FLU_VACCINE_UP	154	0.51615	1.83756	1.47E-05	0.000118	6.85E-05	2405
GSE1432_CTRL_VS_IFNG_1H_MICROGLIA_DN	162	0.50946	1.816613	1.47E-05	0.000118	6.85E-05	1845
GSE43955_TGFB_IL6_VS_TGFB_IL6_IL23_TH17_ACT_CD4_TCELL_60H_DN	168	0.5093	1.832756	1.49E-05	0.000119	6.95E-05	1886
GSE22935_UNSTIM_VS_24H_MBOVIS_BCG_STIM_MACROPHAGE_DN	167	0.50336	1.810358	1.53E-05	0.000122	7.11E-05	1751
GSE3982_MAST_CELL_VS_BCELL_UP	170	0.50472	1.814221	1.55E-05	0.000124	7.20E-05	1475

GSE23308_CTRL_VS_CORTICOSTERONE_TREATED_MAC ROPHAGE_DN	163	0.50714	1.808585	1.56E-05	0.000124	7.22E-05	1717
GSE3039_NKT_CELL_VS_B2_BCELL_DN	168	0.50881	1.831007	1.56E-05	0.000124	7.23E-05	1552
GSE25085_FETAL_LIVER_VS_FETAL_BM_SP4_THYMIC_I MPLANT_DN	158	0.5207	1.853055	1.60E-05	0.000127	7.41E-05	1933
GSE25677_MPL_VS_R848_STIM_BCELL_DN	150	0.52483	1.85519	1.61E-05	0.000128	7.45E-05	2077
GSE21380_NON_TFH_VS_TFH_CD4_TCELL_UP	157	0.52491	1.869553	1.62E-05	0.000128	7.46E-05	1562
GSE33425_CD161_HIGH_VS_INT_CD8_TCELL_UP	168	0.50786	1.827573	1.70E-05	0.000134	7.82E-05	1514
GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_18H_DN	147	0.531	1.873043	1.74E-05	0.000137	7.97E-05	2540
GSE36527_CD62L_HIGH_VS_CD62L_LOW_TREG_CD69_N EG_KLRG1_NEG_UP	161	0.51581	1.840113	1.74E-05	0.000137	7.99E-05	2692
GSE39110_UNTREATED_VS_IL2_TREATED_CD8_TCELL_ DAY6_POST_IMMUNIZATION_DN	155	0.51995	1.849928	1.81E-05	0.000142	8.27E-05	1777
GSE6269_E_COLI_VS_STAPH_AUREUS_INF_PBMC_DN	146	0.51827	1.830188	1.84E-05	0.000144	8.40E-05	2350
GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_24H_U P	146	0.5178	1.828512	1.84E-05	0.000144	8.40E-05	1777
GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_NK _CELL_DN	157	0.52436	1.867601	1.88E-05	0.000147	8.58E-05	2082
GSE42088_2H_VS_24H_LEISHMANIA_INF_DC_UP	165	0.50641	1.813838	1.91E-05	0.00015	8.70E-05	1746
GSE29615_CTRL_VS_LAIV_FLU_VACCINE_PBMC_UP	153	0.51898	1.841561	1.92E-05	0.00015	8.71E-05	988
GSE3982_EOSINOPHIL_VS_CENT_MEMORY_CD4_TCELL _UP	169	0.50221	1.80546	1.93E-05	0.000151	8.77E-05	1826
GSE3982_MAC_VS_TH1_UP	158	0.51714	1.840384	1.99E-05	0.000155	9.00E-05	1696
GSE17580_TREG_VS_TEFF_S_MANSONI_INF_UP	170	0.50125	1.801779	2.04E-05	0.000158	9.20E-05	1417
GSE22140_HEALTHY_VS_ARTHITIC_GERMFREE_MOUS E_CD4_TCELL_UP	155	0.51831	1.844093	2.09E-05	0.000162	9.40E-05	2012
GSE22601_DOUBLE_POSITIVE_VS_CD8_SINGLE_POSITIV E_THYMOCYTE_UP	160	0.50963	1.820311	2.09E-05	0.000162	9.40E-05	1960
GSE22589_SIV_VS_HIV_AND_SIV_INFECTED_DC_UP	161	0.51411	1.834068	2.09E-05	0.000162	9.42E-05	2347
GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_6H_ TREATED_MONOCYTE_UP	162	0.5057	1.803226	2.10E-05	0.000162	9.44E-05	2723
GSE16385_UNTREATED_VS_12H_IFNG_TNF_TREATED_ MACROPHAGE_DN	145	0.51845	1.826139	2.13E-05	0.000164	9.56E-05	1407
GSE21927_SPLEEN_C57BL6_VS_4T1_TUMOR_BALBC_MO NOCYTES_DN	168	0.50563	1.819539	2.17E-05	0.000166	9.69E-05	1746

GSE26030_TH1_VS_TH17_RESTIMULATED_DAY15_POST_POLARIZATION_UP	156	0.51367	1.828303	2.17E-05	0.000166	9.69E-05	1336
GSE40274_CTRL_VS_FOXP3_AND_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP	107	0.56024	1.910657	2.18E-05	0.000167	9.74E-05	1879
GSE26030_TH1_VS_TH17_DAY15_POST_POLARIZATION_DN	162	0.50458	1.799214	2.24E-05	0.000172	1.00E-04	1870
GSE37605_TREG_VS_TCONV_NOD_FOXP3_FUSION_GFP_DN	140	0.52416	1.840275	2.28E-05	0.000174	0.000101	2739
GSE40277_GATA1_AND_SATB1_TRANSDUCED_VS_CTRL_CD4_TCELL_UP	163	0.50339	1.795206	2.28E-05	0.000174	0.000101	1871
GSE19198_CTRL_VS_IL21_TREATED_TCELL_6H_UP	155	0.51689	1.839021	2.30E-05	0.000175	0.000102	1569
GSE43863_TH1_VS_TFH_MEMORY_CD4_TCELL_DN	170	0.49973	1.796291	2.31E-05	0.000176	0.000102	2368
GSE3982_DC_VS_EFF_MEMORY_CD4_TCELL_UP	173	0.49067	1.773584	2.32E-05	0.000176	0.000102	1587
GSE6259_DEC205_POS_DC_VS_BCELL_DN	137	0.52802	1.842517	2.32E-05	0.000176	0.000102	2013
GSE28737_WT_VS_BCL6_HET_FOLLICULAR_BCELL_DN	164	0.50813	1.816642	2.38E-05	0.00018	0.000105	1646
GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_UP	169	0.49948	1.795668	2.39E-05	0.000181	0.000105	2790
GSE3982_EOSINOPHIL_VS_NEUTROPHIL_DN	157	0.52032	1.853203	2.48E-05	0.000187	0.000109	2633
GSE5589_WT_VS_IL6_KO_LPS_AND_IL6_STIM_MACROPHAGE_45MIN_UP	158	0.51403	1.829319	2.48E-05	0.000187	0.000109	2156
GSE7460_CD8_TCELL_VS_CD4_TCELL_ACT_UP	147	0.52745	1.860509	2.49E-05	0.000187	0.000109	2354
GSE22886_NAIVE_TCELL_VS_NKCELL_DN	162	0.50227	1.790966	2.49E-05	0.000187	0.000109	2882
GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_VS_CD8_SINGLE_POSITIVE_THYMOCYTE_UP	166	0.50857	1.825228	2.49E-05	0.000187	0.000109	2675
GSE29949_MICROGLIA_VS_DC_BRAIN_UP	163	0.50204	1.79039	2.53E-05	0.000189	0.00011	1962
GSE5542_UNTREATED_VS_IFNG_TREATED_EPITHELIAL_CELLS_24H_UP	152	0.5213	1.847318	2.53E-05	0.000189	0.00011	2188
GSE29615_CTRL_VS_DAY3_LAIV_IFLU_VACCINE_PBMC_UP	154	0.50896	1.811978	2.56E-05	0.000191	0.000111	3149
GSE3982_BASOPHIL_VS_CENT_MEMORY_CD4_TCELL_UP	162	0.50212	1.790462	2.56E-05	0.000191	0.000111	2560
GSE17186_MEMORY_VS_CD21HIGH_TRANSITIONAL_BCELL_DN	167	0.49851	1.792899	2.62E-05	0.000195	0.000114	2319
GSE40666_NAIVE_VS_EFFECTOR_CD8_TCELL_WITH_IFNA_STIM_90MIN_UP	155	0.51497	1.832193	2.75E-05	0.000205	0.000119	2319
GSE29949_CD8_NEG_DC_SPLEEN_VS_DC_BRAIN_DN	167	0.49796	1.790951	2.76E-05	0.000205	0.000119	2812

GSE37301_HEMATOPOIETIC_STEM_CELL_VS_RAG2_KO_NK_CELL_DN	144	0.52052	1.833285	2.77E-05	0.000205	0.00012	2133
GSE19198_6H_VS_24H_IL21_TREATED_TCELL_UP	166	0.50688	1.819131	2.81E-05	0.000208	0.000121	2268
GSE17721_PAM3CSK4_VS_GADIQUIMOD_4H_BMDC_DN	170	0.49695	1.78632	2.84E-05	0.00021	0.000122	2809
GSE37605_C57BL6_VS_NOD_FOXP3_FUSION_GFP_TREG_DN	156	0.51029	1.816257	2.91E-05	0.000215	0.000125	2914
GSE22140_HEALTHY_VS_ARTHROITIC_MOUSE_CD4_TCELL_UP	154	0.50768	1.807416	2.98E-05	0.000219	0.000128	1107
GSE43955_TH0_VS_TGFB_IL6_IL23_TH17_ACT_CD4_TCELL_52H_UP	169	0.49537	1.780868	2.98E-05	0.000219	0.000128	2149
GSE3982_DC_VS_NEUTROPHIL_DN	161	0.51052	1.821266	3.01E-05	0.000221	0.000129	2427
GSE24081_CONTROLLER_VS_PROGRESSOR_HIV_SPECIFIC_CD8_TCELL_DN	154	0.50641	1.802913	3.08E-05	0.000226	0.000132	1947
GSE6092_UNSTIM_VS_IFNG_STIM_ENDOTHELIAL_CELL_DN	163	0.49878	1.778771	3.13E-05	0.000229	0.000134	2310
GSE14350_IL2RB_KO_VS_WT_TREG_DN	164	0.50316	1.798858	3.15E-05	0.00023	0.000134	1562
GSE43863_TFH_VS_LY6C_INT_CXCR5POS_MEMORY_CD4_TCELL_UP	159	0.50927	1.814037	3.19E-05	0.000233	0.000135	1882
GSE43955_1H_VS_60H_ACT_CD4_TCELL_UP	156	0.50874	1.81074	3.19E-05	0.000233	0.000135	1853
GSE46606_IRF4_KO_VS_WT_CD40L_IL2_IL5_1DAY_STIMULATED_BCELL_DN	143	0.52251	1.839554	3.20E-05	0.000233	0.000136	1382
GSE22196_HEALTHY_VS_OBESE_MOUSE_SKIN_GAMMA_DELTA_TCELL_DN	163	0.49843	1.777509	3.24E-05	0.000235	0.000137	2235
GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_UP	160	0.50487	1.803319	3.24E-05	0.000236	0.000137	2103
GSE2770_TGFB_AND_IL4_VS_IL12_TREATED_ACT_CD4_TCELL_2H_DN	146	0.51123	1.805318	3.27E-05	0.000237	0.000138	2797
GSE6674_CPG_VS_CPG_AND_ANTI_IGM_STIM_BCELL_DN	154	0.50519	1.79856	3.29E-05	0.000238	0.000139	1933
GSE43863_NAIVE_VS_MEMORY_TFH_CD4_TCELL_D150_LCMV_UP	163	0.49806	1.776178	3.31E-05	0.000239	0.000139	2222
GSE9988_ANTI_TREM1_AND_LPS_VS_VEHICLE_TREATED_MONOCYTES_DN	160	0.50464	1.802502	3.31E-05	0.000239	0.000139	2860
GSE21360_NAIVE_VS_QUATERNARY_MEMORY_CD8_TCELL_DN	170	0.49532	1.780461	3.32E-05	0.00024	0.000139	2774

GSE19401_PLN_VS_PEYERS_PATCH_FOLLICULAR_DC_D N	160	0.50401	1.800246	3.38E-05	0.000244	0.000142	2109
GSE3039_ALPHAALPHA_VS_ALPHABETA_CD8_TCELL_D N	162	0.49818	1.776384	3.45E-05	0.000248	0.000144	2376
GSE21546_UNSTIM_VS_ANTI_CD3_STIM_DP_THYMOCY TES_UP	149	0.51607	1.824246	3.59E-05	0.000258	0.00015	2187
GSE2826_WT_VS_BTK_KO_BCELL_DN	167	0.49505	1.780459	3.59E-05	0.000258	0.00015	1471
GSE2405_0H_VS_1.5H_A_PHAGOCYTOPHILUM_STIM_NE UTROPHIL_UP	163	0.49604	1.76897	3.66E-05	0.000262	0.000153	1470
GSE22886_NAIVE_BCELL_VS_DC_DN	170	0.49293	1.771863	3.67E-05	0.000262	0.000153	2304
GSE360_L_DONOVANI_VS_B_MALAYI_HIGH_DOSE_MA C_DN	155	0.51128	1.819079	3.70E-05	0.000263	0.000153	1645
GSE360_L_DONOVANI_VS_B_MALAYI_HIGH_DOSE_MA C_UP	160	0.50311	1.797041	3.70E-05	0.000263	0.000153	1312
GSE22282_HYPOXIA_VS_NORMOXIA_MYELOID_DC_UP	165	0.49882	1.786638	3.71E-05	0.000263	0.000153	1936
GSE29949_MICROGLIA_BRAIN_VS_MONOCYTE_BONE_ MARROW_DN	165	0.49888	1.786855	3.71E-05	0.000263	0.000153	2936
GSE5679_PPARG_LIGAND_ROSIGLITAZONE_VS_ROSIGL ITAZONE_AND_RARA_AAGONIST_AM580_TREATED_DC_ UP	165	0.499	1.787301	3.71E-05	0.000263	0.000153	2027
GSE9960_GRAM_POS_VS_GRAM_NEG_AND_POS_SEPSIS _PBMC_DN	162	0.49718	1.77284	3.73E-05	0.000264	0.000154	1779
GSE21380_NON_TFH_VS_TFH_CD4_TCELL_DN	163	0.49531	1.766368	3.73E-05	0.000264	0.000154	2396
GSE1740_MCSF_VS_MCSF_AND_IFNG_DAY2_DERIVED_ MACROPHAGE_UP	122	0.54085	1.873484	3.79E-05	0.000267	0.000155	1620
GSE29949_MICROGLIA_BRAIN_VS_MONOCYTE_BONE_ MARROW_UP	156	0.50703	1.804647	3.79E-05	0.000267	0.000155	1914
GSE36392_TYPE_2_MYELOID_VS_NEUTROPHIL_IL25_TR EATED_LUNG_UP	156	0.50685	1.804018	3.79E-05	0.000267	0.000155	2082
GSE33424_CD161_HIGH_VS_INT_CD8_TCELL_UP	161	0.50725	1.809584	3.86E-05	0.000271	0.000158	1868
GSE9006_HEALTHY_VS_TYPE_2_DIABETES_PBMC_AT_ DX_DN	160	0.50229	1.794086	3.91E-05	0.000275	0.00016	1182
GSE45739_UNSTIM_VS_ACD3_ACD28_STIM_WT_CD4_TC ELL_DN	159	0.50741	1.807411	3.93E-05	0.000276	0.00016	2363

GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THY MOCYTE_UP	170	0.49172	1.767526	3.95E-05	0.000277	0.000161	1676
GSE22886_NAIVE_VS_IGG_IGA_MEMORY_BCELL_DN	159	0.50649	1.804115	4.14E-05	0.00029	0.000169	2231
GSE360_CTRL_VS_L_DONOVANI_DC_DN	152	0.51515	1.825541	4.17E-05	0.000291	0.000169	2220
GSE3982_MAC_VS_CENT_MEMORY_CD4_TCELL_UP	176	0.48683	1.763579	4.18E-05	0.000291	0.000169	2034
GSE9006_TYPE_1_DIABETES_AT_DX_VS_4MONTH_POST _DX_PBMC_UP	160	0.50158	1.791571	4.19E-05	0.000292	0.00017	1913
GSE33425_CD8_ALPHAALPHA_VS_ALPHABETA_CD161_ HIGH_TCELL_UP	162	0.49571	1.767605	4.23E-05	0.000293	0.000171	1280
GSE369_SOCS3_KO_VS_WT_LIVER_POST_IL6_INJECTIO N_DN	162	0.49571	1.767593	4.23E-05	0.000293	0.000171	2357
GSE34205_RSV_VS_FLU_INF_INFANT_PBMC_DN	146	0.50643	1.788387	4.27E-05	0.000296	0.000173	1723
GSE40068_CXCR5POS_BCL6POS_TFH_VS_CXCR5NEG_B CL6NEG_CD4_TCELL_DN	159	0.50535	1.800057	4.29E-05	0.000297	0.000173	1753
GSE2585_THYMIC_DC_VS_MTEC_DN	169	0.49114	1.765664	4.31E-05	0.000298	0.000173	1909
GSE8384_CTRL_VS_B_ABORTUS_4H_MAC_CELL_LINE_ DN	148	0.5138	1.808185	4.39E-05	0.000303	0.000176	1684
GSE27241_CTRL_VS_DIGOXIN_TREATED_CD4_TCELL_I N_TH17_POLARIZING_CONDITIONS_UP	130	0.51814	1.80893	4.41E-05	0.000304	0.000177	1560
KAECH_NAIVE_VS_DAY8_EFF_CD8_TCELL_DN	157	0.51186	1.823062	4.42E-05	0.000304	0.000177	1079
GSE32164_RESTING_DIFFERENTIATED_VS_CMYC_INHIB ITED_MACROPHAGE_DN	161	0.5057	1.804058	4.49E-05	0.000308	0.00018	2347
GSE39820_TGFBETA1_IL6_VS_TGFBETA1_IL6_IL23A_TR EATED_CD4_TCELL_UP	161	0.50547	1.803236	4.49E-05	0.000308	0.00018	2304
GSE37605_FOXP3_FUSION_GFP_VS_IRES_GFP_TREG_C57 BL6_UP	145	0.50937	1.794137	4.50E-05	0.000309	0.00018	2002
GSE28737_BCL6_HET_VS_BCL6_KO_FOLLICULAR_BCEL L_DN	170	0.48963	1.759982	4.65E-05	0.000319	0.000185	1177
GSE3982_CENT_MEMORY_CD4_TCELL_VS_NKCELL_DN	154	0.50155	1.785593	4.73E-05	0.000323	0.000188	1492
GSE37534_UNTREATED_VS_GW1929_TREATED_CD4_TC ELL_PPARG1_AND_FOXP3_TRASDUCED_UP	163	0.49306	1.758341	4.73E-05	0.000323	0.000188	1808
GSE40068_CXCR5NEG_BCL6NEG_CD4_TCELL_VS_CXCR 5POS_BCL6NEG_TFH_DN	158	0.50596	1.800584	4.78E-05	0.000326	0.00019	2352
GSE34006_WT_VS_A2AR_KO_TREG_DN	159	0.50322	1.792493	4.78E-05	0.000326	0.00019	2344

GSE46242_TH1_VS_ANERGIC_TH1_CD4_TCELL_WITH_EGR2_DELETED_UP	158	0.50558	1.799247	4.85E-05	0.000329	0.000192	1645
GSE20715_0H_VS_24H_OZONE_LUNG_UP	167	0.49072	1.764897	4.85E-05	0.000329	0.000192	2564
GSE37605_TREG_VS_TCONV_C57BL6_FOXP3_FUSION_GFP_DN	139	0.52199	1.830116	4.88E-05	0.000331	0.000193	2352
GSE36009_WT_VS_NLRP10_KO_DC_UP	165	0.49549	1.774725	4.91E-05	0.000332	0.000193	1995
GSE2826_XID_VS_BTK_KO_BCELL_DN	167	0.49047	1.763989	4.92E-05	0.000333	0.000194	1349
GSE21546_UNSTIM_VS_ANTI_CD3_STIM_SAP1A_KO_DP_THYMOCYTES_UP	159	0.50169	1.787032	4.99E-05	0.000336	0.000196	2164
GSE27670_BLIMP1_VS_LMP1_TRANSDUCED_GC_BCELL_UP	159	0.50177	1.787306	4.99E-05	0.000336	0.000196	1403
GSE3982_BCELL_VS_NKCELL_DN	159	0.50162	1.786773	4.99E-05	0.000336	0.000196	2141
GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY10_UP	166	0.49861	1.789451	5.08E-05	0.000342	0.000199	1471
GSE7852_LN_VS_THYMUS_TREG_UP	136	0.51935	1.817331	5.20E-05	0.000349	0.000203	1669
GSE17721_CTRL_VS_CPG_2H_BMDC_DN	156	0.50211	1.787165	5.21E-05	0.000349	0.000203	1423
GSE13522_WT_VS_IFNAR_KO_SKIN_UP	159	0.50119	1.785255	5.28E-05	0.000353	0.000206	2245
GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP	143	0.51575	1.815748	5.36E-05	0.000358	0.000209	1759
GSE23505_UNTREATED_VS_4DAY_IL6_IL1_IL23_TREATED_CD4_TCELL_DN	158	0.50386	1.793107	5.41E-05	0.000361	0.00021	2116
GSE7509_DC_VS_MONOCYTE_UP	161	0.50324	1.795281	5.41E-05	0.000361	0.00021	1696
GSE17721_CTRL_VS_CPG_8H_BMDC_DN	166	0.49742	1.785181	5.43E-05	0.000362	0.00021	2188
GSE21360_NAIVE_VS_QUATERNARY_MEMORY_CD8_TCELL_UP	171	0.48237	1.739914	5.45E-05	0.000363	0.000211	2962
GSE20754_WT_VS_TCF1_KO_MEMORY_CD8_TCELL_UP	164	0.49585	1.772723	5.55E-05	0.000369	0.000215	2479
GSE37301_HEMATOPOIETIC_STEM_CELL_VS_RAG2_KO_NK_CELL_UP	134	0.52091	1.820751	5.57E-05	0.000369	0.000215	1415
GSE20366_TREG_VS_NAIVE_CD4_TCELL_DEC205_CONVERSION_UP	158	0.50306	1.790287	5.63E-05	0.000373	0.000217	1770
GSE24671_CTRL_VS_BAKIMULC_INFECTED_MOUSE_SPLENOCYTES_DN	135	0.52114	1.821692	5.71E-05	0.000378	0.00022	1899
GSE19923_HEB_KO_VS_HEB_AND_E2A_KO_DP_THYMOCYTE_DN	171	0.48164	1.737308	5.80E-05	0.000383	0.000223	2547
GSE26343_UNSTIM_VS_LPS_STIM_MACROPHAGE_UP	161	0.50239	1.792238	5.84E-05	0.000385	0.000224	1531

GSE45365_NK_CELL_VS_CD8_TCELL_MCMV_INFECTIO N_UP	161	0.5022	1.791563	5.84E-05	0.000385	0.000224	2559
GSE17721_12H_VS_24H_POLYIC_BMDC_UP	167	0.48689	1.751114	5.90E-05	0.000388	0.000226	1875
GSE17721_12H_VS_24H_PAM3CSK4_BMDC_UP	169	0.48718	1.751419	6.06E-05	0.000398	0.000232	2430
GSE11057_EFF_MEM_VS_CENT_MEM_CD4_TCELL_UP	150	0.51013	1.80324	6.09E-05	0.000399	0.000233	2470
GSE7460_TREG_VS_TCONV_ACT_UP	156	0.49988	1.779216	6.20E-05	0.000406	0.000237	2778
GSE19198_1H_VS_24H_IL21_TREATED_TCELL_UP	165	0.49149	1.760408	6.25E-05	0.000409	0.000238	2221
GSE26559_TCF1_KO_VS_WT_LIN_NEG_CELL_UP	164	0.49443	1.767643	6.26E-05	0.000409	0.000238	1954
GSE1460_CD4_THYMOCYTE_VS_NAIVE_CD4_TCELL_AD ULT_BLOOD_UP	169	0.48659	1.749295	6.27E-05	0.000409	0.000238	2452
GSE6259_FLT3L_INDUCED_33D1_POS_DC_VS_CD8_TCEL L_DN	121	0.53842	1.858721	6.27E-05	0.000409	0.000238	1678
GSE26030_TH1_VS_TH17_DAY5_POST_POLARIZATION_D N	162	0.49251	1.756163	6.29E-05	0.000409	0.000238	1961
GSE3982_DC_VS_NKCELL_UP	167	0.4862	1.748652	6.39E-05	0.000415	0.000242	2495
GSE9988_LOW_LPS_VS_ANTI_TREM1_AND_LPS_MONOC YTE_DN	148	0.50863	1.79001	6.42E-05	0.000417	0.000243	1708
GSE10325_BCELL_VS_MYELOID_UP	152	0.50924	1.804583	6.44E-05	0.000418	0.000243	1643
GSE17721_0.5H_VS_4H_GARDIQUIMOD_BMDC_DN	164	0.49363	1.764794	6.62E-05	0.000428	0.000249	2300
GSE40274_XBP1_VS_FOXP3_AND_XBP1_TRANSDUCE D_ACTIVATED_CD4_TCELL_UP	165	0.49031	1.75617	6.67E-05	0.000431	0.000251	2133
GSE17721_12H_VS_24H_LPS_BMDC_UP	167	0.48561	1.746523	6.80E-05	0.00044	0.000256	1289
GSE13738_RESTING_VS_BYSTANDER_ACTIVATED_CD4 _TCELL_DN	166	0.49465	1.775266	6.83E-05	0.000441	0.000256	2485
GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_14H_DN	145	0.50349	1.773428	6.88E-05	0.000443	0.000258	1924
GSE369_PRE_VS_POST_IL6_INJECTION_SOCS3_KO_LIVE R_UP	166	0.49431	1.774039	6.90E-05	0.000443	0.000258	1721
GSE9037_CTRL_VS_LPS_1H_STIM_BMDM_DN	154	0.4974	1.770823	6.90E-05	0.000443	0.000258	2010
GSE29617_DAY3_VS_DAY7_TIV_FLU_VACCINE_PBMC_2 008_UP	151	0.50537	1.790255	6.97E-05	0.000447	0.00026	1455
GSE3982_MAST_CELL_VS_DC_DN	169	0.48475	1.742682	6.97E-05	0.000447	0.00026	2504
GSE28737_WT_VS_BCL6_HET_MARGINAL_ZONE_BCELL _DN	160	0.49402	1.764558	7.15E-05	0.000458	0.000267	2042
GSE34156_UNTREATED_VS_6H_NOD2_LIGAND_TREATE D_MONOCYTE_DN	142	0.51376	1.804798	7.19E-05	0.00046	0.000268	2430

GSE17721_POLYIC_VS_GARDIQUIMOD_1H_BMDC_DN	163	0.48896	1.743755	7.22E-05	0.000461	0.000268	2752
GSE42088_UNINF_VS_LEISHMANIA_INF_DC_24H_UP	154	0.49625	1.766714	7.25E-05	0.000462	0.000269	1645
GSE28726_ACT_CD4_TCELL_VS_ACT_NKTCELL_UP	169	0.48274	1.735464	7.39E-05	0.000471	0.000274	2610
GSE7219_WT_VS_NIK_NFKB2_KO_LPS_AND_ANTI_CD40_STIM_DC_DN	160	0.49391	1.764166	7.44E-05	0.000473	0.000275	1621
GSE17974_0H_VS_12H_IN_VITRO_ACT_CD4_TCELL_UP	138	0.50849	1.779803	7.68E-05	0.000487	0.000284	2223
GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_0.5H_CD4_TCELL_DN	134	0.51578	1.802821	7.68E-05	0.000487	0.000284	1886
GSE3982_NEUTROPHIL_VS_NKCELL_UP	164	0.49208	1.759255	7.75E-05	0.000491	0.000286	2881
GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_6H_UP	158	0.49785	1.771739	7.89E-05	0.000499	0.000291	2415
GSE23568_ID3_TRANSDUCED_VS_ID3_KO_CD8_TCELL_DN	162	0.48919	1.744338	8.07E-05	0.00051	0.000297	1183
GSE32901_NAIVE_VS_TH1_CD4_TCELL_DN	138	0.50828	1.779064	8.12E-05	0.000512	0.000298	1768
GSE15733_BM_VS_SPLEEN_MEMORY_CD4_TCELL_UP	156	0.49546	1.763472	8.19E-05	0.000516	0.0003	1628
GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_VS_DOUBLE_POSITIVE_THYMOCYTE_DN	168	0.48731	1.753631	8.34E-05	0.000525	0.000305	2551
GSE8835_HEALTHY_VS_CLL_CD8_TCELL_DN	163	0.48748	1.738463	8.36E-05	0.000526	0.000306	1384
GSE29949_MICROGLIA_BRAIN_VS_CD8_POS_DC_SPLEEN_DN	175	0.47711	1.727793	8.37E-05	0.000526	0.000306	1151
GSE5542_UNTREATED_VS_IFNA_TREATED_EPITHELIAL_CELLS_24H_UP	162	0.48884	1.743099	8.49E-05	0.000533	0.00031	2922
GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_0.8H_DN	133	0.5194	1.818891	8.66E-05	0.000542	0.000316	1652
GSE25123_WT_VS_PPARG_KO_MACROPHAGE_ROSIGLITAZONE_STIM_UP	165	0.48804	1.748029	8.72E-05	0.000546	0.000318	1625
GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_IFNG_TNF_TREATED_MACROPHAGE_UP	161	0.49553	1.767797	8.75E-05	0.000546	0.000318	1933
GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATE_D_IRF4HIGH_BCELL_DN	161	0.49544	1.767468	8.75E-05	0.000546	0.000318	1774
GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_3H_UP	128	0.51979	1.807311	8.78E-05	0.000547	0.000319	1697
GSE17721_0.5H_VS_8H_GARDIQUIMOD_BMDC_DN	162	0.48766	1.738875	9.06E-05	0.000564	0.000328	2582
GSE17721_12H_VS_24H_GARDIQUIMOD_BMDC_UP	159	0.49403	1.759755	9.47E-05	0.000588	0.000343	2253

GSE5542_IFNA_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_UP	166	0.49053	1.760454	9.50E-05	0.00059	0.000343	2228
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_4H_DN	165	0.48625	1.741617	9.58E-05	0.000593	0.000345	1296
GSE22886_IGG_IGA_MEMORY_BCELL_VS_BLOOD_PLASMA_CELL_DN	157	0.50087	1.783934	9.60E-05	0.000593	0.000345	2070
GSE3039_CD4_TCELL_VS_B2_BCELL_UP	161	0.49446	1.763966	9.60E-05	0.000593	0.000345	1777
GSE3982_NEUTROPHIL_VS_TH1_UP	157	0.50026	1.78174	9.60E-05	0.000593	0.000345	2143
GSE19401_UNSTIM_VS_RETINOIC_ACID_STIM_FOLLICULAR_DC_UP	166	0.48947	1.756662	9.64E-05	0.000595	0.000346	1997
GSE5099_CLASSICAL_M1_VS_ALTERNATIVE_M2_MACROPHAGE_DN	131	0.51589	1.79863	9.78E-05	0.000602	0.000351	1539
GSE2405_0H_VS_3H_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_DN	138	0.50649	1.772788	9.87E-05	0.000607	0.000354	1713
GSE17974_0H_VS_0.5H_IN_VITRO_ACT_CD4_TCELL_DN	136	0.5107	1.787053	0.000102	0.000624	0.000363	1886
GSE7831_UNSTIM_VS_INFLUENZA_STIM_PDC_4H_UP	164	0.48876	1.747367	0.000102	0.000624	0.000363	2191
GSE17721_CTRL_VS_POLYIC_4H_BMDC_DN	168	0.48442	1.743246	0.000103	0.000631	0.000367	2469
GSE29618_PDC_VS_MDC_UP	158	0.49465	1.760359	0.000103	0.000631	0.000367	2059
GSE39820_IL1B_IL6_VS_IL1B_IL6_IL23A_TREATED_CD4_TCELL_DN	154	0.49337	1.756479	0.000103	0.000632	0.000368	1477
GSE5455_HEALTHY_VS_TUMOR_BEARING_MOUSE_SPLEEN_MONOCYTE_UP	162	0.48622	1.733759	0.000103	0.000632	0.000368	2289
GSE39820_CTRL_VS_TGFBETA1_IL6_CD4_TCELL_UP	162	0.48608	1.733244	0.000105	0.00064	0.000373	2605
GSE15930_STIM_VS_STIM_AND_IL12_48H_CD8_T_CELL_DN	161	0.4933	1.759817	0.000106	0.000645	0.000376	2548
GSE39820_CTRL_VS_IL1B_IL6_CD4_TCELL_UP	160	0.48917	1.747238	0.000108	0.000659	0.000384	2334
GSE44649_WT_VS_MIR155_KO_ACTIVATED_CD8_TCELL_UP	164	0.48807	1.744928	0.000109	0.000661	0.000385	2048
GSE22140_GERMFREE_VS_SPF_MOUSE_CD4_TCELL_DN	162	0.48432	1.72697	0.000111	0.000671	0.000391	2470
GSE3982_DC_VS_TH2_UP	168	0.48311	1.738532	0.000111	0.000675	0.000393	2641
GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_48H_CD8_T_CELL_UP	164	0.48778	1.74389	0.000113	0.000684	0.000398	2347
GSE36826_WT_VS_IL1R_KO_SKIN_DN	161	0.49278	1.757957	0.000113	0.000684	0.000398	1519
GSE17301_ACD3_ACD28_VS_ACD3_ACD28_AND_IFNA2_STIM_CD8_TCELL_DN	156	0.49155	1.74955	0.000113	0.000684	0.000398	1931

GSE23505_UNTREATED_VS_4DAY_IL6_IL1_IL23_TREAT D_CD4_TCELL_UP	152	0.50184	1.778358	0.000115	0.000695	0.000405	1685
GSE6259_BCELL_VS_CD8_TCELL_UP	155	0.49728	1.769273	0.000115	0.000696	0.000405	2799
GSE4748_CYANOBACTERIUM_LPSLIKE_VS_LPS_AND_C YANOBACTERIUM_LPSLIKE_STIM_DC_3H_UP	144	0.5026	1.770148	0.000116	0.000699	0.000407	2042
GSE25087_TREG_VS_TCONV_FETUS_UP	156	0.49097	1.747515	0.000119	0.000714	0.000415	2045
GSE360_L_DONOVANI_VS_T_GONDII_MAC_UP	159	0.49067	1.747778	0.000119	0.000714	0.000415	2433
GSE17721_CTRL_VS_PAM3CSK4_1H_BMDC_DN	154	0.49123	1.748836	0.00012	0.000722	0.00042	2810
GSE16450_CTRL_VS_IFNA_6H_STIM_IMMATURE_NEUR ON_CELL_LINE_UP	149	0.50118	1.771613	0.000121	0.000722	0.00042	1987
GSE18804_SPLEEN_MACROPHAGE_VS_COLON_TUMOR AL_MACROPHAGE_UP	171	0.47448	1.711481	0.000121	0.000722	0.00042	2637
HALLMARK_APOPTOSIS	140	0.50166	1.761282	0.000121	0.000723	0.000421	2568
GSE3982_BASOPHIL_VS_EFF_MEMORY_CD4_TCELL_UP	167	0.47812	1.71957	0.000123	0.000732	0.000426	2611
GSE11961_MEMORY_BCELL_DAY7_VS_GERMINAL_CEN TER_BCELL_DAY7_UP	164	0.48635	1.738761	0.000124	0.000742	0.000432	2883
GSE41867_NAIVE_VS_DAY6_LCMV_EFFECTOR_CD8_TC ELL_UP	166	0.48631	1.745315	0.000125	0.000742	0.000432	2140
GSE3982_MAST_CELL_VS_BASOPHIL_DN	161	0.49062	1.75026	0.000126	0.000748	0.000436	1808
GSE3039_CD4_TCELL_VS_B1_BCELL_UP	160	0.4875	1.741267	0.000127	0.000753	0.000438	1497
GSE21927_UNTREATED_VS_GMCSF_IL6_TREATED_BON E_MARROW_DN	135	0.50735	1.773468	0.000128	0.000759	0.000442	2300
GSE13522_CTRL_VS_T_CRUZI_Y_STRAIN_INF_SKIN_IFN AR_KO_DN	160	0.48737	1.7408	0.000128	0.000759	0.000442	2960
GSE19888_ADENOSINE_A3R_INH_VS_ACT_IN_MAST_CE LL_DN	151	0.49844	1.765698	0.000129	0.000761	0.000443	1395
GSE24142_DN2_VS_DN3_THYMOCYTE_UP	169	0.47479	1.706874	0.00013	0.00077	0.000448	1621
GSE17721_ALL_VS_24H_PAM3CSK4_BMDC_UP	162	0.48204	1.718843	0.000136	0.000805	0.000468	2111
GSE3982_NEUTROPHIL_VS_TH2_UP	160	0.48683	1.738867	0.000137	0.000806	0.000469	2084
GSE17721_PAM3CSK4_VS_GADIQUIMOD_0.5H_BMDC_U	158	0.49005	1.743992	0.000139	0.000815	0.000475	1858
GSE3982_MAC_VS_NEUTROPHIL_DN	158	0.49009	1.744117	0.000139	0.000815	0.000475	2145
GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_48H_CD4 _TCELL_UP	128	0.51248	1.781873	0.000139	0.000819	0.000477	1890
GSE41867_NAIVE_VS_DAY8_LCMV_CLONE13_EFFECTO R_CD8_TCELL_UP	156	0.48802	1.737011	0.00014	0.000823	0.000479	2746

GSE17322_CD103_POS_VS_CD11B_HIGH_LUNG_DC_UP	152	0.49902	1.768368	0.000141	0.000824	0.00048	2300
GSE19198_CTRL_VS_IL21_TREATED_TCELL_1H_DN	160	0.48596	1.73578	0.000141	0.000824	0.00048	1552
GSE369_PRE_VS_POST_IL6_INJECTION_IFNG_KO_LIVER_DN	160	0.48603	1.736029	0.000141	0.000824	0.00048	1590
GSE9988_LPS_VS_LPS_AND_ANTI_TREM1_MONOCYTE_DN	155	0.49311	1.754421	0.000144	0.00084	0.000489	2033
GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRES_ACT_AND_A3R_INH_PRETREAT_IN_MAST_CELL_D	146	-0.3967	-1.66415	0.000144	0.000841	0.000489	3311
GSE32423_IL7_VS_IL7_IL4_NAIVE_CD8_TCELL_DN	164	0.48393	1.73012	0.000144	0.000841	0.000489	2081
GSE28726_NAIVE_CD4_TCELL_VS_NAIVE_NKTCCELL_UP	162	0.48107	1.715393	0.000145	0.000843	0.000491	2636
GSE339_EX_VIVO_VS_IN_CULTURE_CD8POS_DC_DN	167	0.47511	1.70876	0.000145	0.000843	0.000491	2381
GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCECD4_TCELL_PIOGLITAZONE_TREATED_UP	167	0.47534	1.709568	0.000145	0.000843	0.000491	2568
GSE22589_HIV_VS_HIV_AND_SIV_INFECTED_DC_UP	139	0.50637	1.775326	0.000148	0.000855	0.000498	2467
GSE35543_IN_VIVO_NTREG_VS_IN_VITRO_ITREG_DN	133	0.51173	1.79201	0.000148	0.000855	0.000498	1930
GSE3039_ALPHAALPHA_VS_ALPHABETA_CD8_TCELL_UP	168	0.47819	1.720821	0.000151	0.000871	0.000507	1470
GSE40274_FOXP3_VS_FOXP3_AND_EOS_TRANSDUCEACTIVATED_CD4_TCELL_UP	163	0.4793	1.709272	0.000151	0.000871	0.000507	2376
GSE23568_ID3_TRANSDUCECD4_TCELL_UP	157	0.49491	1.762696	0.000153	0.00088	0.000512	2444
GSE43955_10H_VS_60H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN	157	0.49464	1.76175	0.000153	0.00088	0.000512	1361
GSE8835_CD4_VS_CD8_TCELL_CLL_PATIENT_DN	158	0.48851	1.738491	0.000153	0.00088	0.000512	996
GSE45365_WT_VS_IFNAR_KO_CD8A_DC_DN	159	0.48638	1.732489	0.000153	0.00088	0.000512	2564
GSE14415_NATURAL_TREG_VS_FOXP3_KO_NATURAL_TREG_UP	120	0.52035	1.799207	0.000153	0.00088	0.000512	2360
GSE40274_FOXP3_VS_FOXP3_AND_SATB1_TRANSDUCEACTIVATED_CD4_TCELL_UP	103	0.53948	1.837207	0.000159	0.000912	0.000531	1355
GSE7219_WT_VS_NIK_NFKB2_KO_DC_DN	142	0.50202	1.763564	0.000159	0.000912	0.000531	2163
GSE21379_WT_VS_SAP_KO_TFH_CD4_TCELL_DN	151	0.49607	1.757309	0.00016	0.000917	0.000534	1954
GSE40274_FOXP3_VS_FOXP3_AND_SATB1_TRANSDUCEACTIVATED_CD4_TCELL_DN	149	0.49904	1.764051	0.000161	0.000921	0.000536	2053
GSE2128_CTRL_VS_MIMETOPE_NEGATIVE_SELECTION_DP_THYMOCYTE_C57BL6_UP	138	0.4998	1.749386	0.000163	0.000932	0.000542	2403

GSE5099_CLASSICAL_M1_VS_ALTERNATIVE_M2_MACR OPHAGE_UP	146	0.49079	1.733145	0.000167	0.000952	0.000554	1876
GSE2770_TGFB_AND_IL4_VS_IL12_TREATED_ACT_CD4_ TCELL_48H_DN	156	0.48601	1.729848	0.000167	0.000954	0.000555	1859
GSE17721_CTRL_VS_GARDIQUIMOD_1H_BMDC_DN	161	0.48433	1.727829	0.00017	0.000968	0.000563	1900
GSE13522_WT_VS_IFNAR_KO_SKIN_DN	140	0.49508	1.738181	0.00017	0.000969	0.000564	2440
GSE16266_LPS_VS_HEATSHOCK_AND_LPS_STIM_MEF_ UP	163	0.47692	1.700807	0.000171	0.00097	0.000565	1777
GSE3982_EOSINOPHIL_VS_TH1_UP	151	0.495	1.753517	0.000172	0.000974	0.000567	1538
GSE21546_WT_VS_SAP1A_KO_AND_ELK1_KO_DP_THY MOCYTES_UP	155	0.49113	1.747372	0.000172	0.000976	0.000568	2036
GSE20366_TREG_VS_NAIVE_CD4_TCELL_HOMEOSTATI C_CONVERSION_DN	168	0.47563	1.711601	0.000176	0.000996	0.00058	2412
GSE3039_B2_VS_B1_BCELL_DN	156	-0.3817	-1.61784	0.000179	0.00101	0.000588	2497
GSE12845_IGD_POS_VS_NEG_BLOOD_BCELL_DN	155	0.49061	1.745512	0.000181	0.001021	0.000594	2594
GSE17721_PAM3CSK4_VS_GADIQUIMOD_6H_BMDC_DN	172	0.46356	1.67308	0.000183	0.001033	0.000602	1804
GSE21360_NAIVE_VS_PRIMARY_MEMORY_CD8_TCELL_ DN	152	0.49601	1.757711	0.000188	0.001061	0.000618	2446
GSE13485_CTRL_VS_DAY3_YF17D_VACCINE_PBMC_UP	128	0.50837	1.767599	0.000203	0.001143	0.000665	2091
GSE13411_PLASMA_CELL_VS_MEMORY_BCELL_UP	161	0.48261	1.721699	0.000204	0.001148	0.000668	1325
GSE10240_CTRL_VS_IL22_STIM_PRIMARY_BRONCHIAL_ EPITHELIAL_CELLS_UP	152	0.49515	1.754668	0.000206	0.001154	0.000672	2411
GSE7348_LPS_VS_TOLERIZED_AND_LPS_STIM_MACROP HAGE_DN	142	0.4976	1.748038	0.000206	0.001154	0.000672	2484
GSE26669_CD4_VS_CD8_TCELL_IN_MLR_COSTIM_BLOC K_DN	154	0.48591	1.729901	0.000208	0.001165	0.000678	1609
GSE17974_0H_VS_48H_IN_VITRO_ACT_CD4_TCELL_UP	142	0.49741	1.747342	0.000209	0.001168	0.00068	2000
GSE20715_WT_VS_TLR4_KO_LUNG_UP	177	0.47002	1.705763	0.000209	0.00117	0.000681	2028
GSE21063_CTRL_VS_ANTI_IGM_STIM_BCELL_3H_UP	136	0.50118	1.753738	0.00021	0.001171	0.000682	2095
GSE12845_NAIVE_VS_DARKZONE_GC_TONSIL_BCELL_ UP	158	0.48455	1.724395	0.000213	0.001186	0.00069	2470
GSE46606_IRF4MID_VS_WT_CD40L_IL2_IL5_DAY3_STIM ULATED_BCELL_UP	161	0.48167	1.718342	0.000213	0.001186	0.00069	2410
GSE26290_CTRL_VS_AKT_INHIBITOR_TREATED_ANTI_ CD3_AND_IL2_STIM_CD8_TCELL_UP	166	0.47795	1.715314	0.000219	0.00122	0.00071	1271

GSE28449_WT_VS_LRF_KO_GERMINAL_CENTER_BCELL_UP	160	0.48028	1.715477	0.000221	0.001226	0.000714	1902
GSE25088_WT_VS_STAT6_KO_MACROPHAGE_ROSIGLIT_AZONE_AND_IL4_STIM_DN	158	0.4835	1.720655	0.00023	0.001277	0.000743	2146
GSE29618_BCELL_VS_MONOCYTE_UP	143	0.49927	1.757735	0.000231	0.001281	0.000745	2391
GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_DN	148	0.49414	1.739008	0.000233	0.001289	0.00075	1155
GSE36078_UNTREATED_VS_AD5_INF_MOUSE_LUNG_DC_DN	154	0.48505	1.72684	0.000236	0.001307	0.000761	2327
GSE29618_MONOCYTE_VS_MDC_DAY7_FLU_VACCINE_DN	150	0.49088	1.735188	0.00024	0.001326	0.000772	2092
GSE2706_2H_VS_8H_R848_STIM_DC_UP	155	0.48579	1.72836	0.000246	0.001359	0.000791	1403
GSE40274_CTRL_VS_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP	117	0.51464	1.775987	0.000248	0.001367	0.000796	1619
GSE6269_HEALTHY_VS_FLU_INF_PBMC_DN	125	0.4998	1.726101	0.000249	0.001371	0.000798	2088
GSE37416_0H_VS_12H_F_TULARENSIS_LVS_NEUTROPHIL_DN	151	0.48993	1.735568	0.00025	0.001374	0.0008	2381
GSE6269_HEALTHY_VS_E_COLI_INF_PBMC_DN	135	0.49788	1.740373	0.000251	0.001381	0.000804	1291
GSE23505_IL6_IL1_IL23_VS_IL6_IL1_TGFB_TREATED_CD4_TCELL_UP	164	0.47632	1.702918	0.000253	0.001387	0.000807	2398
GSE3982_BASOPHIL_VS_TH1_UP	153	0.48934	1.736386	0.000253	0.001387	0.000807	1562
HALLMARK_HYPOXIA	171	0.46546	1.678917	0.000254	0.00139	0.000809	1634
GSE29618_MONOCYTE_VS_PDC_DAY7_FLU_VACCINE_DN	155	0.48563	1.727812	0.000255	0.001394	0.000811	2216
GSE17974_0H_VS_1H_IN_VITRO_ACT_CD4_TCELL_DN	153	0.48927	1.736159	0.000256	0.001398	0.000814	3071
GSE27859_MACROPHAGE_VS_CD11C_INT_F480_INT_DC_UP	135	0.49717	1.737885	0.00026	0.00142	0.000826	2071
GSE22886_IGG_IGA_MEMORY_BCELL_VS_BM_PLASMA_CELL_DN	165	0.47255	1.69258	0.000261	0.00142	0.000827	2598
GSE24142_DN2_VS_DN3_THYMOCYTE_ADULT_UP	165	0.47247	1.692272	0.000261	0.00142	0.000827	1160
GSE37416_0H_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_UP	148	0.49233	1.732625	0.000262	0.001425	0.00083	2310
GSE29618_BCELL_VS_MONOCYTE_DAY7_FLU_VACCINE_UP	151	0.48856	1.730712	0.000264	0.001435	0.000836	1595

GSE1925_CTRL_VS_24H_IFNG_STIM_IFNG_PRIMED_MACROPHAGE_DN	156	0.47797	1.701212	0.000265	0.001437	0.000836	1155
GSE42088_UNINF_VS_LEISHMANIA_INF_DC_4H_UP	168	0.47	1.69133	0.000269	0.001458	0.000849	1678
GSE39152_BRAIN_VS_SPLEEN_CD103_NEG_MEMORY_CD8_TCELL_DN	166	0.47499	1.70471	0.000276	0.001494	0.00087	1949
GSE29614_DAY3_VS_DAY7_TIV_FLU_VACCINE_PBMC_DN	148	0.4915	1.729715	0.000277	0.001497	0.000871	2724
GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_24H_IFNG_STIM_DN	157	0.48681	1.73384	0.000287	0.001552	0.000903	1872
GSE20715_WT_VS_TLR4_KO_24H_OZONE_LUNG_UP	172	0.45552	1.64406	0.00029	0.001563	0.00091	1475
GSE3691_CONVENTIONAL_VS_PLASMACYTOID_DC_SPLEEN_UP	164	0.47335	1.692298	0.00029	0.001563	0.00091	1854
GSE19198_6H_VS_24H_IL21_TREATED_TCELL_DN	151	0.48722	1.725968	0.00029	0.001563	0.00091	1832
GOLDRATH_NAIVE_VS_EFF_CD8_TCELL_DN	168	0.46858	1.68623	0.000291	0.001568	0.000913	2103
GSE3982_MAST_CELL_VS_TH2_UP	167	0.46393	1.668539	0.000292	0.001568	0.000913	1595
GSE3337_4H_VS_16H_IFNG_IN_CD8POS_DC_DN	148	0.48995	1.724252	0.000303	0.001625	0.000946	1703
GSE22432_PDC_VS_TGFB1_TREATEDCOMMON_DC_PROGENITOR_DN	163	0.46986	1.675605	0.000303	0.001625	0.000946	2565
GSE16266_CTRL_VS_LPS_STIM_MEF_UP	155	0.48165	1.713637	0.000306	0.001638	0.000954	2491
GSE37301_MULTIPOTENT_PROGENITOR_VS_CD4_TCELL_UP	146	0.47964	1.693758	0.000306	0.001638	0.000954	1434
GSE17974_0H_VS_24H_IN_VITRO_ACT_CD4_TCELL_UP	137	0.497	1.734286	0.000313	0.001671	0.000973	1890
GSE360_T_GONDII_VS_B_MALAYI_HIGH_DOSE_MAC_U	158	0.47784	1.700509	0.000313	0.001671	0.000973	1248
GSE1460_INTRATHYMIC_T_PROGENITOR_VS_NAIVE_CD4_TCELL_ADULT_BLOOD_DN	157	0.4845	1.725609	0.000319	0.0017	0.00099	1759
GSE29164_UNTREATED_VS_CD8_TCELL_TREATED_MELANOMA_DAY3_DN	164	0.47061	1.682472	0.000325	0.001727	0.001005	2428
GSE40443_INDUCED_VS_TOTAL_TREG_UP	164	0.47098	1.683806	0.000325	0.001727	0.001005	1959
GSE14769_UNSTIM_VS_20MIN_LPS_BMDM_DN	156	0.47332	1.684672	0.000325	0.001727	0.001006	2672
GSE19941_IL10_KO_VS_IL10_KO_AND_NFKBP50_KO_UNSTIM_MACROPHAGE_DN	147	0.48981	1.727718	0.00033	0.001752	0.00102	2017
GSE36476_CTRL_VS_TSST_ACT_72H_MEMORY_CD4_TCELL_YOUNG_UP	161	0.47588	1.697684	0.00033	0.001752	0.00102	1917
GSE13547_2H_VS_12_H_ANTI_IGM_STIM_ZFX_KO_BCELL_UP	137	0.49628	1.731748	0.000331	0.001753	0.001021	3033

GSE22886_IGA_VS_IGM_MEMORY_BCELL_DN	169	0.46035	1.654969	0.000338	0.001791	0.001043	1641
GSE2197_IMMUNOSUPPRESSIVE_DNA_VS_UNTREATED_IN_DC_UP	172	0.45353	1.636902	0.000346	0.001829	0.001065	3084
GSE13484_12H_VS_3H_YF17D_VACCINE_STIM_PBMC_D	150	0.4856	1.716523	0.000348	0.001838	0.00107	1751
GSE21670_STAT3_KO_VS_WT_CD4_TCELL_IL6_TREATD_DN	160	0.47534	1.697833	0.000352	0.001857	0.001081	2133
GSE23925_DARK_ZONE_VS_NAIVE_BCELL_DN	164	0.4701	1.680662	0.000353	0.001862	0.001084	2012
GSE7460_CTRL_VS_TGFB_TREATED_ACT_TCONV_UP	158	0.4767	1.696479	0.000359	0.00189	0.0011	2087
GSE45365_HEALTHY_VS_MCMV_INFECTION_CD11B_DC_UP	128	-0.4016	-1.65365	0.00036	0.001892	0.001101	2783
GSE2770_IL12_ACT_VS_ACT_CD4_TCELL_2H_UP	138	0.49026	1.715984	0.000369	0.00194	0.001129	3298
GSE360_CTRL_VS_M_TUBERCULOSIS_MAC_DN	159	0.47685	1.698537	0.000377	0.001977	0.001151	1283
GSE12392_IFNAR_KO_VS_IFNB_KO_CD8_NEG_SPLEEN_DC_UP	162	0.47126	1.680406	0.000378	0.00198	0.001153	1933
GSE22589_HEALTHY_VS_SIV_INFECTED_DC_DN	154	0.4781	1.702115	0.000378	0.00198	0.001153	2226
GSE22025_UNTREATED_VS_TGFB1_TREATED_CD4_TCELL_UP	171	0.4588	1.654914	0.000386	0.00202	0.001176	1914
GSE25123_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_DAY10_UP	165	0.46652	1.670982	0.000387	0.00202	0.001176	2485
GSE17721_CPG_VS_GARDIQUIMOD_8H_BMDC_UP	158	0.47572	1.692977	0.000388	0.00202	0.001176	1613
GSE7831_UNSTIM_VS_CPG_STIM_PDC_1H_DN	161	0.47399	1.690954	0.000388	0.00202	0.001176	2416
GSE25088_CTRL_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_UP	146	0.47629	1.681948	0.000388	0.00202	0.001176	1330
GSE17301_IFNA2_VS_IFNA2_AND_ACD3_ACD28_STIM_CD8_TCELL_DN	173	0.45596	1.648133	0.000389	0.002026	0.00118	1914
GSE32533_MIR17_KO_VS_MIR17_OVEREXPRESS_ACT_CD4_TCELL_DN	155	0.4773	1.698182	0.000392	0.002036	0.001185	2232
GSE37416_12H_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_UP	160	0.4741	1.693412	0.000392	0.002036	0.001185	2423
GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_24H_CD4_TCELL_UP	146	0.4758	1.680202	0.000394	0.002042	0.001189	2463
GSE7460_CTRL_VS_TGFB_TREATED_ACT_TCONV_DN	162	0.46979	1.675149	0.000401	0.002075	0.001208	1329
GSE28726_NAIVE_VS_ACTIVATED_NKTCELL_DN	166	0.46958	1.685293	0.000401	0.002075	0.001208	2913
GSE13547_WT_VS_ZFX_KO_BCELL_UP	135	0.49139	1.717678	0.000405	0.00209	0.001216	2432

GSE21546_ELK1_KO_VS_SAP1A_KO_AND_ELK1_KO_DP_THYMOCYTES_UP	138	0.48839	1.70944	0.000405	0.00209	0.001216	2779
GSE37416_CTRL_VS_12H_F_TULARENSIS_LVS_NEUTROPHIL_UP	161	0.47333	1.688587	0.000405	0.00209	0.001216	2386
GSE18893_TCONV_VS_TREG_2H_CULTURE_DN	162	0.46913	1.672817	0.000407	0.002095	0.00122	2395
GSE11864_UNTREATED_VS_CSF1_IFNG_PAM3CYS_IN_MAC_DN	156	0.46944	1.670857	0.000417	0.002147	0.00125	2238
GSE26488_WT_VS_HDAC7_DELTAP_TG_OT2_THYMOCYTE_WITH_PEPTIDE_INJECTION_DN	173	0.45502	1.644751	0.000417	0.002147	0.00125	2476
GSE21774_CD62L_POS_CD56_DIM_VS_CD62L_NEG_CD56_DIM_NK_CELL_DN	160	0.47134	1.683536	0.000421	0.002159	0.001257	1833
GSE46242_CTRL_VS_EGR2_DELETED_ANERGIC_TH1_CD4_TCELL_DN	151	0.4823	1.708525	0.000421	0.002159	0.001257	1774
GSE22886_NAIVE_BCELL_VS_BM_PLASMA_CELL_UP	153	0.48068	1.705666	0.000428	0.002192	0.001276	2149
GSE43955_1H_VS_60H_ACT_CD4_TCELL_DN	157	0.48135	1.71441	0.000428	0.002192	0.001276	1987
GSE7852_THYMUS_VS_FAT_TREG_DN	148	0.48563	1.709052	0.000438	0.002244	0.001306	2226
GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_DAY3_UP	164	0.46757	1.671618	0.000439	0.002244	0.001306	1572
GSE28130_ACTIVATED_VS_INDUCED_TREG_UP	164	0.46766	1.671953	0.000439	0.002244	0.001306	1820
GSE21063_CTRL_VS_ANTI_IGM_STIM_BCELL_NFATC1_KO_16H_UP	162	0.46851	1.670608	0.000441	0.00225	0.00131	1993
GSE13411_SWITCHED_MEMORY_BCELL_VS_PLASMA_CELL_DN	157	0.48086	1.712643	0.000445	0.002269	0.001321	1280
GSE27786_CD4_VS_CD8_TCELL_UP	155	0.47532	1.691116	0.000449	0.002285	0.00133	2824
GSE10147_IL3_VS_IL3_AND_CPG_STIM_PDC_UP	106	0.51274	1.752309	0.00045	0.002285	0.00133	2302
GSE19888_CTRL_VS_A3R_INHIBITOR_TREATED_MAST_CELL_DN	151	0.48098	1.703856	0.00045	0.002285	0.00133	2108
GSE16385_IFNG_TNF_VS_UNSTIM_MACROPHAGE_ROSI_GLITAZONE_TREATED_DN	156	0.46754	1.664103	0.000452	0.002289	0.001332	2460
GSE3982_MAST_CELL_VS_NEUTROPHIL_DN	156	0.46756	1.664184	0.000452	0.002289	0.001332	2143
GSE11864_CSF1_PAM3CYS_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP	146	0.47312	1.67074	0.000452	0.002289	0.001333	1593
GSE43955_1H_VS_10H_ACT_CD4_TCELL_WITH_TGFB_IL6_UP	162	0.46794	1.668569	0.000453	0.00229	0.001333	2009
GSE17721_CTRL_VS_LPS_6H_BMDC_DN	163	0.46588	1.661437	0.000453	0.002291	0.001333	1986

GSE30971_WBP7_HET_VS_KO_MACROPHAGE_4H_LPS_S TIM_DN	158	0.47378	1.686065	0.000457	0.002306	0.001342	2608
GSE3982_EFF_MEMORY_CD4_TCELL_VS_NKCELL_DN	159	0.47469	1.690844	0.000463	0.002333	0.001358	1876
GSE14769_20MIN_VS_360MIN_LPS_BMDM_DN	154	0.47425	1.688406	0.000464	0.002333	0.001358	1790
GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TR EATED_6H_UP	154	0.47403	1.687615	0.000464	0.002333	0.001358	2242
GSE7852_TREG_VS_TCONV_DN	154	0.47372	1.686524	0.000469	0.002359	0.001373	1930
GSE40666_NAIVE_VS_EFFECTOR_CD8_TCELL_DN	156	0.4662	1.659328	0.000475	0.002383	0.001387	2384
GSE30971_2H_VS_4H_LPS_STIM_MACROPHAGE_WBP7_ HET_DN	125	0.48788	1.684924	0.000476	0.002389	0.001391	2288
GSE21033_CTRL_VS_POLYIC_STIM_DC_24H_UP	123	0.50193	1.736897	0.000477	0.002392	0.001392	2072
GSE360_CTRL_VS_T_GONDII_DC_DN	152	0.48419	1.715821	0.000483	0.002417	0.001407	2475
GSE24726_WT_VS_E2_2_KO_PDC_DAY4_POST_DELETIO N_UP	168	0.4629	1.665775	0.000484	0.002419	0.001408	1785
GSE40274_CTRL_VS_FOXP3_AND_PBX1_TRANSDUCE D_ACTIVATED_CD4_TCELL_UP	131	0.49521	1.726541	0.000484	0.002419	0.001408	2460
GSE36476_CTRL_VS_TSST_ACT_16H_MEMORY_CD4_TC ELL_YOUNG_DN	161	0.47142	1.681768	0.000485	0.002423	0.001411	1739
GSE37416_0H_VS_3H_F_TULARENSIS_LVS_NEUTROPHIL _DN	154	0.47305	1.684132	0.000486	0.002425	0.001412	2405
GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_1H_CD4_ TCELL_DN	141	0.4898	1.722851	0.000499	0.002488	0.001448	2927
GSE17721_0.5H_VS_4H_LPS_BMDC_DN	163	0.46427	1.655671	0.000505	0.002514	0.001464	1468
GSE17721_LPS_VS_POLYIC_24H_BMDC_DN	167	0.45678	1.642838	0.000507	0.002521	0.001468	2149
GSE27241_WT_VS_RORGT_KO_TH17_POLARIZED_CD4_T CELL_TREATED_WITH_DIGOXIN_DN	139	0.48771	1.709928	0.000525	0.002608	0.001518	2060
GSE22886_TCELL_VS_BCELL_NAIVE_DN	158	0.47139	1.677568	0.000526	0.002608	0.001518	2104
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_10 H_UP	164	0.46403	1.658957	0.000531	0.002634	0.001533	2060
GSE32034_LY6C_HIGH_VS_LOW_ROSIGLIZATONE_TREA TED_MONOCYTE_UP	163	0.46371	1.653706	0.000534	0.002645	0.00154	1997
GSE17974_1.5H_VS_72H_IL4_AND_ANTI_IL12_ACT_CD4_ TCELL_DN	160	-0.3685	-1.57118	0.000537	0.002657	0.001547	2399
GSE21063_CTRL_VS_ANTI_IGM_STIM_BCELL_NFATC1_ KO_3H_UP	163	0.46305	1.651346	0.000546	0.002696	0.001569	1676

GSE22886_CD4_TCELL_VS_BCELL_NAIVE_DN	147	0.48273	1.702762	0.000546	0.002696	0.001569	1583
GSE9509_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACR OPHAGE_30MIN_UP	156	0.46418	1.652131	0.000549	0.002709	0.001577	1393
GSE6674_PL2_3_VS_ANTI_IGM_AND_CPG_STIM_BCELL_ DN	162	0.46586	1.66116	0.000551	0.002713	0.00158	2883
GSE36392_EOSINOPHIL_VS_NEUTROPHIL_IL25_TREATE D_LUNG_UP	163	0.46262	1.649814	0.000551	0.002714	0.00158	2301
GSE17721_PAM3CSK4_VS_CPG_24H_BMDC_DN	162	0.46584	1.661066	0.000556	0.002736	0.001593	2450
GSE21063_CTRL_VS_ANTI_IGM_STIM_BCELL_8H_UP	123	0.49866	1.725588	0.000561	0.002757	0.001605	1815
GSE22103_UNSTIM_VS_LPS_STIM_NEUTROPHIL_UP	157	0.47664	1.697639	0.000572	0.002805	0.001633	2471
GSE26669_CD4_VS_CD8_TCELL_IN_MLR_UP	162	0.46517	1.65869	0.000574	0.00281	0.001636	2186
GSE3994_WT_VS_PAC1_KO_ACTIVATED_MAST_CELL_D N	162	0.46564	1.660356	0.000574	0.00281	0.001636	2073
GSE36888_UNTREATED_VS_IL2_TREATED_TCELL_17H_ UP	162	0.46506	1.658286	0.00058	0.002836	0.001651	1728
GSE22601_DOUBLE_NEGATIVE_VS_CD4_SINGLE_POSITI VE_THYMOCYTE_DN	164	0.46314	1.655796	0.000583	0.002844	0.001656	2595
GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN2_THY MOCYTE_ADULT_DN	158	0.46991	1.672319	0.000583	0.002844	0.001656	1721
GSE34515_CD16_POS_MONOCYTE_VS_DC_DN	157	0.47598	1.695276	0.000583	0.002844	0.001656	1383
GSE5679_PPARG_LIGAND_ROSIGLITAZONE_VS_RARA_ AGONIST_AM580_TREATED_DC_UP	166	-0.3613	-1.55209	0.000584	0.002848	0.001658	2338
GSE21546_UNSTIM_VS_ANTI_CD3_STIM_SAP1A_KO_AN D_ELK1_KO_DP_THYMOCYTES_UP	125	0.48383	1.670925	0.000585	0.00285	0.001659	1716
GSE7348_UNSTIM_VS_TOLERIZED_AND_LPS_STIM_MA CROPHAGE_DN	138	0.48178	1.686309	0.000594	0.002888	0.001681	1869
GSE46606_UNSTIM_VS_CD40L_IL2_IL5_1DAY_STIMULA TED_IRF4MID_SORTED_BCELL_UP	153	0.47546	1.687152	0.000595	0.002889	0.001682	1911
GSE34205_HEALTHY_VS_RSV_INF_INFANT_PBMC_UP	137	0.4838	1.688195	0.000605	0.002938	0.00171	1694
GSE3982_EFF_MEMORY_VS_CENT_MEMORY_CD4_TCEL L_UP	155	0.47118	1.676399	0.000615	0.002984	0.001737	1286
GSE28737_FOLLICULAR_VS_MARGINAL_ZONE_BCELL_ BCL6_HET_DN	153	0.47444	1.683525	0.000618	0.00299	0.00174	1449
GSE45365_NK_CELL_VS_CD8A_DC_UP	158	0.46907	1.669323	0.000618	0.00299	0.00174	2288

GSE11864_CSF1_IFNG_VS_CSF1_IFNG_PAM3CYS_IN_MA C_DN	145	0.47329	1.667047	0.000629	0.00304	0.00177	2109
GSE3039_CD4_TCELL_VS_ALPHAALPHA_CD8_TCELL_U	156	0.46162	1.643021	0.00063	0.003043	0.001772	2504
GSE3720_LPS_VS_PMA_STIM_VD1_GAMMADelta_TCE LL_UP	115	0.50424	1.734994	0.000632	0.003048	0.001774	1705
GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_MACR OPHAGE_45MIN_DN	165	0.45963	1.6463	0.000639	0.003081	0.001794	1705
GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LI NE_UP	141	0.48551	1.707766	0.00064	0.003081	0.001794	2030
GSE40274_CTRL_VS_FOXP3_AND_EOS_TRANSDUCE D_ACTIVATED_CD4_TCELL_UP	133	0.49083	1.718821	0.000644	0.003098	0.001803	2507
GSE17721_LPS_VS_CPG_IH_BMDC_DN	159	0.47017	1.674764	0.000653	0.00314	0.001828	2661
GSE44732_UNSTIM_VS_IL27_STIM_IMATURE_DC_DN	163	0.46024	1.641312	0.000656	0.003149	0.001833	2216
GSE40666_UNTREATED_VS_IFNA_STIM_STAT1_KO_CD8 _TCELL_90MIN_DN	161	0.46493	1.658606	0.000664	0.003185	0.001854	1777
KAECH_DAY8_EFF_VS_DAY15_EFF_CD8_TCELL_DN	152	0.4784	1.695311	0.000668	0.003202	0.001864	1721
HALLMARK_FATTY_ACID_METABOLISM	136	-0.3817	-1.58827	0.000679	0.00325	0.001892	2439
GSE2585_CTEC_VS_MTEC_THYMUS_UP	152	0.47803	1.693978	0.00068	0.003251	0.001893	1593
GSE7768_OVA_ALONE_VS_OVA_WITH_MPL_IMMUNIZ E_D_MOUSE_WHOLE_SPLEEN_6H_DN	135	0.48441	1.693276	0.000683	0.003263	0.0019	2536
GSE1460_INTRATHYMIC_T_PROGENITOR_VS_DP_THYM OCYTE_UP	164	0.46138	1.649492	0.000687	0.00328	0.001909	1307
GSE23568_CTRL_TRANSDUCE D_VS_WT_CD8_TCELL_DN	159	0.46912	1.671023	0.000688	0.003281	0.00191	2455
GSE40274_CTRL_VS_EOS_TRANSDUCE D_ACTIVATED_CD4_TCELL_UP	135	0.48314	1.688841	0.000695	0.00331	0.001927	2183
GSE6674_ANTI_IGM_VS_CPG_STIM_BCELL_DN	165	0.4588	1.643315	0.000697	0.003317	0.001931	2219
GSE16451_CTRL_VS_WEST_EQUINE_ENC_VIRUS_MATU RE_NEURON_CELL_LINE_DN	161	0.46427	1.656255	0.000699	0.003319	0.001932	1775
GSE25088_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MA CROPHAGE_DAY10_DN	153	0.4724	1.676298	0.000699	0.003319	0.001932	2162
GSE3982_DC_VS_MAC_LPS_STIM_DN	165	0.45859	1.642569	0.000708	0.003362	0.001957	2020
GSE45739_UNSTIM_VS_ACD3_ACD28_STIM_WT_CD4_TC CELL_UP	149	0.47433	1.676689	0.000709	0.003363	0.001958	1929
GSE30083_SP2_VS_SP3_THYMOCYTE_UP	159	0.46882	1.669944	0.000711	0.003368	0.001961	1715

GSE40274_FOXP3_VS_FOXP3_AND_LEF1_TRANSDUCE D_ACTIVATED_CD4_TCELL_UP	167	0.45153	1.623951	0.000712	0.003369	0.001961	2171
GSE17721_PAM3CSK4_VS_CPG_2H_BMDC_DN	162	0.46176	1.646523	0.000713	0.00337	0.001962	1142
GSE5589_WT_VS_IL10_KO_LPS_STIM_MACROPHAGE_45 MIN_UP	155	0.4674	1.662936	0.00073	0.00345	0.002009	1586
GSE36527_CD62L_HIGH_CD69_NEG_VS_CD62L_LOW_CD 69_POS_TREG_KLRG1_NEG_DN	161	0.46399	1.655278	0.000733	0.00346	0.002014	2359
GSE32533_WT_VS_MIR17_OVEREXPRESS_ACT_CD4_TCE LL_DN	161	-0.3587	-1.5353	0.000737	0.003472	0.002021	2518
GSE18893_TCONV_VS_TREG_24H_CULTURE_DN	157	0.47065	1.676307	0.000745	0.003502	0.002039	2092
GSE40274_FOXP3_VS_FOXP3_AND_IRF4_TRANSDUCE D_ACTIVATED_CD4_TCELL_UP	158	0.46461	1.653446	0.000745	0.003502	0.002039	2667
GSE17721_0.5H_VS_4H_POLYIC_BMDC_DN	168	0.45633	1.642154	0.000745	0.003502	0.002039	3105
GSE39820_CTRL_VS_IL1B_IL6_IL23A_CD4_TCELL_UP	159	0.46834	1.668241	0.000746	0.003502	0.002039	1102
GSE32901_NAIVE_VS_TH17_ENRICHED_CD4_TCELL_UP	116	0.49496	1.709449	0.000758	0.003557	0.00207	2163
GSE41867_DAY6_VS_DAY8_LCMV_ARMSTRONG_EFFEC TOR_CD8_TCELL_UP	163	0.45868	1.635737	0.00076	0.003557	0.00207	2269
GSE1925_CTRL_VS_3H_IFNG_STIM_MACROPHAGE_DN	154	0.4656	1.657602	0.00076	0.003557	0.00207	1244
GSE557_CIIITA_KO_VS_I_AB_KO_DC_UP	154	0.4655	1.657263	0.00076	0.003557	0.00207	2103
GSE14415_NATURAL_TREG_VS_TCONV_UP	118	0.49339	1.706179	0.000761	0.003557	0.002071	1895
GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_72H_CD4 _TCELL_UP	148	0.47761	1.680831	0.000763	0.003563	0.002074	2012
GSE42724_MEMORY_BCELL_VS_PLASMABLAST_UP	169	0.45043	1.61933	0.000772	0.0036	0.002096	2485
GSE339_CD4POS_VS_CD8POS_DC_UP	158	0.46355	1.649678	0.000779	0.00363	0.002113	1935
GSE45382_UNTREATED_VS_TGFB_TREATED_MACROPH AGES_DN	149	0.47354	1.673919	0.00078	0.00363	0.002113	2730
GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TR EATED_2H_DN	160	0.46289	1.653353	0.000788	0.003666	0.002134	2625
GSE3982_MAST_CELL_VS_CENT_MEMORY_CD4_TCELL _UP	165	0.4567	1.635779	0.000789	0.003667	0.002135	1957
GSE27859_MACROPHAGE_VS_CD11C_INT_F480_HI_MAC ROPHAGE_UP	143	0.47865	1.685139	0.000792	0.003679	0.002142	2287
GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PR OGENITOR_IKAROS_KO_DN	154	0.46437	1.653217	0.000817	0.003792	0.002207	1578

GSE22025_UNTREATED_VS_PROGESTERONE_TREATED_CD4_TCELL_DN	165	0.45532	1.630858	0.000824	0.003817	0.002222	1914
GSE2706_LPS_VS_R848_AND_LPS_8H_STIM_DC_DN	138	0.47526	1.663487	0.000825	0.003819	0.002223	2386
GSE40666_NAIVE_VS_EFFECTOR_CD8_TCELL_WITH_IFN_A_STIM_90MIN_DN	164	0.4593	1.642062	0.000826	0.003819	0.002223	1775
HALLMARK_KRAS_SIGNALING_DN	181	-0.34	-1.46867	0.000827	0.003821	0.002224	1894
GSE3920_UNTREATED_VS_IFNG_TREATED_FIBROBLAST_DN	143	0.47712	1.67973	0.000828	0.003821	0.002224	2073
GSE26030_TH1_VS_TH17_DAY15_POST_POLARIZATION_UP	166	0.45853	1.645619	0.000829	0.003823	0.002226	2416
GSE17721_CTRL_VS_LPS_12H_BMDC_DN	152	0.47438	1.681042	0.000831	0.003829	0.002229	2614
GSE45739_NRAS_KO_VS_WT_UNSTIM_CD4_TCELL_UP	167	0.44911	1.615264	0.000837	0.003854	0.002244	2848
GSE18281_SUBCAPSULAR_VS_PERIMEDULLARY_CORTICAL_REGION_OF_THYMUS_DN	159	0.46687	1.662989	0.000838	0.003856	0.002245	1826
GSE32034_UNTREATED_VS_ROSIGLIZATONE_TREATED_LY6C_HIGH_MONOCYTE_UP	166	0.45839	1.645109	0.00084	0.003861	0.002248	942
GSE17721_LPS_VS_GARDIQUIMOD_4H_BMDC_UP	158	0.46238	1.645505	0.000849	0.003891	0.002265	2548
GSE33424_CD161_HIGH_VS_NEG_CD8_TCELL_DN	164	0.45884	1.640397	0.000849	0.003891	0.002265	2075
GSE3982_DC_VS_TH1_DN	159	0.46664	1.662175	0.00085	0.003891	0.002265	2509
GSE8621_LPS_STIM_VS_LPS_PRIMED_AND_LPS_STIM_MACROPHAGE_DN	156	0.45577	1.622224	0.00085	0.003891	0.002265	2069
GSE20715_0H_VS_48H_OZONE_TLR4_KO_LUNG_DN	170	0.44868	1.612783	0.000851	0.003891	0.002265	2070
GSE22886_CD8_TCELL_VS_BCELL_NAIVE_DN	154	0.46381	1.651227	0.000852	0.003892	0.002266	1429
GSE3982_EOSINOPHIL_VS_BCELL_UP	168	0.45445	1.635394	0.000859	0.003921	0.002283	1696
GSE6681_DELETED_FOXP3_VS_WT_TREG_UP	150	0.47201	1.668478	0.000864	0.003941	0.002294	1530
GSE28408_LY6G_POS_VS_NEG_DC_DN	163	0.45666	1.628533	0.000876	0.003993	0.002325	2019
GSE29618_MONOCYTE_VS_PDC_DN	155	0.46341	1.648748	0.00088	0.004007	0.002332	2046
GSE17721_LPS_VS_PAM3CSK4_1H_BMDC_DN	164	0.45783	1.636809	0.000883	0.004018	0.002339	1762
GSE17721_CPG_VS_GARDIQUIMOD_4H_BMDC_UP	164	0.45682	1.633197	0.000895	0.004063	0.002365	2824
GSE5679_RARA_AGONIST_AM580_VS_AM580_AND_ROSIGLITAZONE_TREATED_DC_DN	164	0.45702	1.633917	0.000895	0.004063	0.002365	1867
GSE3982_MAST_CELL_VS_MAC_DN	163	0.45602	1.626276	0.000923	0.004182	0.002434	1784
GSE9988_ANTI_TREM1_VS_LOW_LPS_MONOCYTE_UP	150	0.4706	1.66349	0.000923	0.004182	0.002434	2548
GSE3982_MEMORY_CD4_TCELL_VS_TH2_UP	152	0.47311	1.676538	0.000924	0.004183	0.002435	1198
GSE40443_INDUCED_VS_TOTAL_TREG_DN	155	0.46291	1.646971	0.000926	0.004189	0.002439	2596

GSE22432_MULTIPOTENT_PROGENITOR_VS_CDC_UP	148	0.47551	1.673448	0.000929	0.004197	0.002443	2226
GSE27786_CD4_TCELL_VS_NKCELL_DN	161	0.46075	1.64369	0.00093	0.004197	0.002443	2188
GSE6674_UNSTIM_VS_CPG_STIM_BCELL_UP	120	0.49205	1.701353	0.000931	0.004201	0.002446	1551
GSE13547_WT_VS_ZFX_KO_BCELL_DN	147	0.47248	1.666591	0.000933	0.004206	0.002449	1145
GSE17721_0.5H_VS_8H_LPS_BMDC_DN	163	0.45595	1.626021	0.000934	0.004207	0.002449	2422
GSE42021_CD24INT_VS_CD24LOW_TCONV_THYMUS_D	164	0.45591	1.629931	0.000941	0.004234	0.002465	2398
GSE17721_CTRL_VS_PAM3CSK4_6H_BMDC_DN	156	0.45306	1.612562	0.000942	0.004235	0.002466	1953
GSE22886_NAIVE_VS_MEMORY_TCELL_DN	169	0.44719	1.607684	0.000943	0.004235	0.002466	1366
GSE25085_FETAL_LIVER_VS_ADULT_BM_SP4_THYMIC_IMPLANT_DN	156	-0.3596	-1.52418	0.00095	0.004263	0.002482	3475
GSE45365_CD8A_DC_VS_CD11B_DC_IFNAR_KO_MCMV_INFECTION_DN	125	0.47489	1.640061	0.000969	0.004345	0.002529	1939
GSE9509_10MIN_VS_30MIN_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_DN	136	0.47455	1.660577	0.000978	0.004382	0.002551	1751
GSE17721_CTRL_VS_GARDIQUIMOD_4H_BMDC_DN	171	0.44127	1.591693	0.00098	0.004386	0.002553	2406
GSE17721_0.5H_VS_12H_GARDIQUIMOD_BMDC_DN	153	0.46535	1.651257	0.000987	0.004413	0.002569	2570
GSE360_CTRL_VS_B_MALAYI_HIGH_DOSE_MAC_DN	156	0.45186	1.608291	0.000988	0.004415	0.00257	1380
GSE19888_ADENOSINE_A3R_ACT_VS_A3R_ACT_WITH_A3R_INH_PRETREATMENT_IN_MAST_CELL_DN	152	0.4713	1.670149	0.000993	0.004433	0.002581	1579
GSE22025_PROGESTERONE_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_UP	165	0.45108	1.61566	0.001019	0.004544	0.002645	2878
GSE25677_MPL_VS_R848_STIM_BCELL_UP	151	0.46789	1.657494	0.001021	0.004546	0.002646	2385
GSE6259_CD4_TCELL_VS_CD8_TCELL_UP	158	0.46032	1.638168	0.001022	0.004548	0.002647	2281
GSE29949_CD8_NEG_DC_SPLEEN_VS_MONOCYTE_BONE_MARROW_DN	157	0.46611	1.660113	0.001033	0.004595	0.002675	2484
GSE32034_UNTREATED_VS_ROSIGLIZATONE_TREATED_LY6C_LOW_MONOCYTE_UP	119	0.48364	1.66964	0.001041	0.004623	0.002691	2278
GSE360_L_MAJOR_VS_M_TUBERCULOSIS_DC_DN	157	0.46554	1.658086	0.001045	0.004638	0.0027	1574
GSE19888_ADENOSINE_A3R_INH_PRETREAT_AND_ACT_BY_A3R_VS_A3R_INH_AND_TCELL_MEMBRANES_ACT_MAST_CELL_UP	153	0.46466	1.648838	0.001057	0.004685	0.002727	2416
GSE37301_COMMON_LYMPHOID_PROGENITOR_VS_RAG2_KO_NK_CELL_DN	153	0.46456	1.648459	0.001068	0.004727	0.002752	1569
GSE14769_UNSTIM_VS_240MIN_LPS_BMDM_DN	166	0.45313	1.626229	0.001069	0.004727	0.002752	2547

GSE43863_NAIVE_VS_TH1_EFF_CD4_TCELL_D6_LCMV_DN	126	0.47395	1.643431	0.001069	0.004727	0.002752	1004
GSE11961_FOLLICULAR_BCELL_VS_PLASMA_CELL_DAY7_UP	155	0.45992	1.636317	0.001087	0.004799	0.002793	1945
GSE21670_TGFB_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_DN	155	0.45992	1.636328	0.001087	0.004799	0.002793	2851
GSE23502_BM_VS_COLON_TUMOR_MYELOID_DERIVED_SUPPRESSOR_CELL_DN	169	0.44438	1.597552	0.001092	0.004815	0.002803	2357
GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_2H_ACT_CD4_TCELL_DN	133	0.48051	1.682699	0.001093	0.004816	0.002803	1416
GSE360_T_GONDII_VS_B_MALAYI_HIGH_DOSE_MAC_DN	155	0.45943	1.634576	0.001099	0.004836	0.002815	1556
GSE43700_UNTREATED_VS_IL10_TREATED_PBMC_DN	158	0.45893	1.633213	0.001103	0.00485	0.002824	1746
GSE24634_TEFF_VS_TCONV_DAY5_IN_CULTURE_DN	149	0.46934	1.65906	0.001108	0.004869	0.002834	1974
GSE37301_PRO_BCELL_VS_RAG2_KO_NK_CELL_DN	141	0.47538	1.672131	0.001109	0.004871	0.002835	2466
GSE21033_CTRL_VS_POLYIC_STIM_DC_12H_UP	125	0.47108	1.626908	0.001116	0.004894	0.002849	2072
GSE11057_PBMC_VS_MEM_CD4_TCELL_DN	149	0.46922	1.658637	0.00112	0.004907	0.002856	1890
GSE36826_NORMAL_VS_STAPH_AUREUS_INF_SKIN_DN	173	0.44094	1.593848	0.001121	0.004907	0.002856	2092
GSE6090_UNSTIM_VS_DC_SIGN_STIM_DC_DN	110	0.49756	1.70088	0.001121	0.004907	0.002856	1251
GSE17186_BLOOD_VS_CORD_BLOOD_NAIVE_BCELL_UP	162	0.45392	1.618587	0.00113	0.00494	0.002876	2333
GSE7831_UNSTIM_VS_CPG_STIM_PDC_1H_UP	160	0.45764	1.634615	0.001145	0.004999	0.00291	2803
GSE43863_NAIVE_VS_LY6C_LOW_CXCR5NEG_CD4_EFF_TCELL_D6_LCMV_UP	120	0.48687	1.683456	0.001148	0.005007	0.002915	1449
GSE29618_MONOCYTE_VS_MDC_DN	148	0.47141	1.659009	0.001153	0.005028	0.002927	1402
GSE33425_CD161_HIGH_VS_NEG_CD8_TCELL_DN	162	0.45334	1.616521	0.001165	0.005074	0.002954	2310
GSE12845_IGD_POS_BLOOD_VS_NAIVE_TONSIL_BCELL_DN	165	0.44797	1.604519	0.001169	0.005087	0.002961	2522
GSE22886_NAIVE_TCELL_VS_MONOCYTE_UP	161	0.45686	1.629836	0.001172	0.005087	0.002961	2061
GSE2585_CTEC_VS_THYMIC_DC_DN	161	0.45701	1.63037	0.001172	0.005087	0.002961	1758
GSE360_CTRL_VS_B_MALAYI_HIGH_DOSE_DC_UP	161	0.457	1.63033	0.001172	0.005087	0.002961	1639
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_20H_UP	159	0.46079	1.641355	0.001173	0.005089	0.002962	2548
GSE5589_WT_VS_IL6_KO_LPS_STIM_MACROPHAGE_45MIN_DN	162	0.45292	1.615027	0.001176	0.005097	0.002967	1884
GSE31082_DP_VS_CD4_SP_THYMOCYTE_DN	163	0.45382	1.618426	0.001178	0.005099	0.002968	1455

GSE3982_BCELL_VS_TH2_UP	151	0.4653	1.648302	0.001184	0.005121	0.002981	2035
GSE13485_PRE_VS_POST_YF17D_VACCINATION_PBMC_UP	145	0.4657	1.640345	0.001193	0.005155	0.003001	2091
GSE37532_WT_VS_PPARG_KO_VISCERAL_ADIPOSE_TIS_SUE_TCONV_UP	164	0.45176	1.615108	0.001195	0.00516	0.003004	1777
GSE32901_NAIVE_VS_TH17_NEG_CD4_TCELL_UP	142	0.47046	1.652702	0.001198	0.005166	0.003007	1183
GSE40274_CTRL_VS_HELIOS_TRANSDUCED_ACTIVATE_D_CD4_TCELL_UP	132	0.47747	1.669029	0.001204	0.005188	0.00302	2361
GSE7219_UNSTIM_VS_LPS_AND_ANTI_CD40_STIM_DC_UP	145	0.46513	1.638306	0.001217	0.005239	0.00305	2460
GSE24574_NAIVE_VS_TCONV_CD4_TCELL_DN	171	0.43825	1.580767	0.001219	0.005243	0.003052	2443
GSE40274_FOXP3_VS_FOXP3_AND_XBP1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN	120	0.48463	1.67571	0.00122	0.005243	0.003052	2444
GSE19401_PAM2CSK4_VS_RETINOIC_ACID_AND_PAM2CSK4_STIM_FOLLICULAR_DC_DN	168	0.44845	1.613787	0.001223	0.005253	0.003058	1541
GSE45365_CD8A_DC_VS_CD11B_DC_IFNAR_KO_UP	148	0.47085	1.657045	0.001224	0.005255	0.003059	2218
GSE13887_RESTING_VS_ACT_CD4_TCELL_UP	74	0.52654	1.696964	0.001232	0.005283	0.003075	1823
GSE22025_TGFB1_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_UP	158	0.4572	1.627057	0.001242	0.005319	0.003096	1571
GSE26343_UNSTIM_VS_LPS_STIM_NFAT5_KO_MACROPHAGE_UP	163	0.45293	1.615244	0.001248	0.005341	0.003109	2261
GSE411_100MIN_VS_400MIN_IL6_STIM_MACROPHAGE_UP	154	0.45776	1.629696	0.001252	0.005355	0.003117	1841
GSE30083_SP1_VS_SP4_THYMOCYTE_DN	155	0.45809	1.629828	0.00126	0.005384	0.003134	1875
GSE28726_ACT_CD4_TCELL_VS_ACT_VA24NEG_NKTCELL_DN	156	0.44748	1.592714	0.001266	0.005406	0.003147	2209
GSE17580_TREG_VS_TEFF_UP	169	0.44095	1.585246	0.001275	0.005439	0.003166	2011
GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATE_D_BCELL_DN	147	0.46728	1.648264	0.001286	0.005479	0.00319	1530
GSE10239_KLRG1INT_VS_KLRG1HIGH_EFF_CD8_TCELL_DN	164	0.44773	1.600695	0.001288	0.005479	0.00319	2610
GSE17721_CTRL_VS_POLYIC_6H_BMDC_DN	164	0.4477	1.600569	0.001288	0.005479	0.00319	2681
GSE26030_UNSTIM_VS_RESTIM_TH1_DAY15_POST_POLARIZATION_DN	156	0.44689	1.590612	0.00129	0.005482	0.003191	1483

GSE39820_TGFBETA3_IL6_VS_TGFBETA3_IL6_IL23A_TREATED_CD4_TCELL_UP	162	0.45204	1.611882	0.001316	0.00559	0.003254	2316
GSE32255_UNSTIM_VS_4H_LPS_STIM_DC_UP	149	0.46515	1.644235	0.001331	0.005649	0.003288	2335
GSE23308_CTRL_VS_CORTICOSTERONE_TREATED_MACROPHAGE_MINERALCORTICOID_REC_KO_DN	167	0.44343	1.594816	0.001362	0.005769	0.003358	2184
GSE3982_DC_VS_MAC_DN	167	0.44313	1.593749	0.001362	0.005769	0.003358	1488
GSE3982_EOSINOPHIL_VS_EFF_MEMORY_CD4_TCELL_UP	164	0.44612	1.59493	0.001381	0.005844	0.003402	1746
GSE43955_1H_VS_20H_ACT_CD4_TCELL_UP	168	0.44623	1.605783	0.001383	0.005849	0.003405	2820
GSE37416_CTRL_VS_48H_F_TULARENSIS_LVS_NEUTROPHIL_UP	147	0.46527	1.641183	0.001404	0.005927	0.00345	1134
GSE17721_POLYIC_VS_GARDIQUIMOD_2H_BMDC_DN	153	0.45936	1.630015	0.001404	0.005927	0.00345	1507
GSE9988_LPS_VS_VEHICLE_TREATED_MONOCYTE_DN	159	0.45718	1.628476	0.001406	0.005929	0.003452	2604
GSE41867_NAIVE_VS_DAY6_LCMV_ARMSTRONG_EFFECTOR_CD8_TCELL_UP	163	0.45092	1.608085	0.001411	0.005942	0.003459	2117
GSE17721_CTRL_VS_CPG_1H_BMDC_DN	170	0.44124	1.586072	0.001411	0.005942	0.003459	1959
GSE22935_UNSTIM_VS_24H_MBOVIS_BCG_STIM_MYD88_KO_MACROPHAGE_UP	160	0.45478	1.624392	0.001422	0.005982	0.003482	2070
GSE3982_BASOPHIL_VS_TH2_UP	164	0.44484	1.59034	0.001427	0.005995	0.00349	2600
GSE3720_UNSTIM_VS_PMA_STIM_VD2_GAMMADELTA_TCELL_UP	131	0.47858	1.668554	0.001428	0.005995	0.00349	1641
GSE17721_LPS_VS_GARDIQUIMOD_16H_BMDC_DN	163	0.45067	1.607188	0.001434	0.006019	0.003504	1756
GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_KO_2H_DN	151	0.46269	1.639055	0.001442	0.006045	0.003519	2083
GSE28783_ANTI_MIR33_VS_CTRL_ATHEROSCLEROSIS_MACROPHAGE_UP	164	0.44437	1.588668	0.00145	0.006076	0.003537	1461
GSE5589_LPS_VS_LPS_AND_IL6_STIM_IL6_KO_MACROPHAGE_45MIN_UP	163	0.45012	1.605225	0.001458	0.006101	0.003552	2240
GSE3982_EOSINOPHIL_VS_TH2_UP	149	0.46318	1.637292	0.001473	0.006153	0.003582	1917
GSE3982_NKCELL_VS_TH2_UP	149	0.46319	1.637305	0.001473	0.006153	0.003582	1936
GSE9509_10MIN_VS_30MIN_LPS_STIM_IL10_KO_MACROPHAGE_UP	163	0.44995	1.604624	0.001481	0.006183	0.0036	2287
GSE17721_CTRL_VS_LPS_1H_BMDC_DN	168	0.44473	1.600391	0.001497	0.006246	0.003636	1977
GSE10463_CD40L_AND_VA347_VS_CD40L_IN_DC_UP	145	0.46171	1.626267	0.0015	0.006252	0.003639	2376

GSE7768_OVA_WITH_LPS_VS_OVA_WITH_MPL_IMMUNIZED_MOUSE_WHOLE_SPLEEN_6H_DN	139	0.47068	1.650204	0.001506	0.006271	0.00365	2272
GSE2770_IL12_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_48H_UP	165	0.44056	1.577986	0.001516	0.006309	0.003672	1368
GSE22935_WT_VS_MYD88_KO_MACROPHAGE_12H_MBOVIS_BCG_STIM_UP	158	0.45262	1.610778	0.00152	0.006319	0.003679	1416
GSE17721_LPS_VS_CPG_12H_BMDC_UP	162	0.45063	1.60685	0.001526	0.006338	0.003689	2296
HALLMARK_UNFOLDED_PROTEIN_RESPONSE	95	0.50001	1.671203	0.001536	0.006373	0.00371	2359
GSE17301_IFNA2_VS_IFNA2_AND_ACD3_ACD28_STIM_CD8_TCELL_UP	152	0.46367	1.643095	0.001553	0.00644	0.003749	2351
HALLMARK_APICAL_JUNCTION	174	0.43144	1.559091	0.001556	0.006448	0.003754	1364
GSE13411_IGM_VS_SWITCHED_MEMORY_BCELL_DN	165	0.44048	1.577694	0.001563	0.006468	0.003765	1563
GSE29949_CD8_NEG_DC_SPLEEN_VS_CD8_POS_DC_SPLEEN_UP	164	0.44279	1.583027	0.001566	0.006474	0.003769	1946
GSE43955_TH0_VS_TGFB_IL6_IL23_TH17_ACT_CD4_TCELL_52H_DN	161	0.45198	1.612417	0.001566	0.006474	0.003769	1933
GSE7460_FOXP3_MUT_VS_WT_ACT_WITH_TGFB_TCONV_UP	169	0.43614	1.567929	0.001574	0.006499	0.003783	1993
GSE14000_TRANSLATED_RNA_VS_MRNA_DC_DN	135	-0.3662	-1.52038	0.001577	0.006505	0.003787	3649
GSE27241_CTRL_VS_DIGOXIN_TREATED_RORGT_KO_CD4_TCELL_IN_TH17_POLARIZING_CONDITIONS_DN	154	0.45367	1.61513	0.001597	0.006583	0.003832	1609
GSE16450_CTRL_VS_IFNA_12H_STIM_MATURE_NEURON_CELL_LINE_DN	167	0.44024	1.583334	0.001637	0.006741	0.003924	1982
GSE32986_UNSTIM_VS_CURDLAN_LOWDOSE_STIM_DC_UP	163	0.44849	1.599426	0.001644	0.006767	0.00394	2947
GSE17721_CPG_VS_GARDIQUIMOD_12H_BMDC_DN	152	0.46308	1.641018	0.001646	0.00677	0.003941	2350
GSE24292_WT_VS_PPARG_KO_MACROPHAGE_DN	165	0.43945	1.574018	0.001655	0.0068	0.003959	2463
GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_4H_ACT_CD4_TCELL_DN	127	0.47259	1.639619	0.001659	0.006801	0.003959	1780
GSE6259_FLT3L_INDUCED_VS_WT_SPLENIC_DC_33D1_POS_UP	138	0.46467	1.626413	0.001659	0.006801	0.003959	2083
GSE24634_TREG_VS_TCONV_POST_DAY10_IL4_CONVERSION_UP	167	0.44001	1.582516	0.00166	0.006801	0.003959	1730
GSE12366_GC_BCELL_VS_PLASMA_CELL_DN	142	0.46369	1.628907	0.001672	0.006846	0.003985	2281

GSE18804_SPLEEN_MACROPHAGE_VS_TUMORAL_MACROPHAGE_UP	153	0.45615	1.618615	0.001683	0.006884	0.004007	1008
GSE32986_UNSTIM_VS_CURDLAN_LOWDOSE_STIM_DC_DN	163	0.44727	1.595053	0.001714	0.007003	0.004076	2363
GSE7764_NKCELL_VS_SPLENOCYTE_DN	163	0.44763	1.596347	0.001714	0.007003	0.004076	2104
GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_48H_ACT_CD4_TCELL_UP	142	0.46227	1.623908	0.001719	0.007017	0.004085	2293
GSE4590_PRE_BCELL_VS_LARGE_PRE_BCELL_UP	137	0.46082	1.608021	0.001722	0.007023	0.004088	2073
GSE43955_1H_VS_60H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN	166	0.44544	1.598652	0.001735	0.007068	0.004114	1918
GSE24972_MARGINAL_ZONE_BCELL_VS_FOLLICULAR_BCELL_IRF8_KO_UP	152	0.46122	1.634407	0.00174	0.007083	0.004123	2031
GSE9650_NAIVE_VS_EXHAUSTED_CD8_TCELL_DN	164	0.44128	1.577613	0.001752	0.007127	0.004149	1563
GSE26488_HDAC7_KO_VS_VP16_TRANSGENIC_HDAC7_KO_DOUBLE_POSITIVE_THYMOCYTE_UP	137	0.4605	1.606889	0.00177	0.007196	0.004189	2529
GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_DN	126	0.46344	1.60699	0.001784	0.007247	0.004218	1938
GSE20715_WT_VS_TLR4_KO_6H_OZONE_LUNG_UP	164	0.44016	1.573632	0.001799	0.007292	0.004245	1507
GSE23502_WT_VS_HDC_KO_MYELOID_DERIVED_SUPPRESSOR_CELL_COLON_TUMOR_UP	161	0.44885	1.601247	0.001799	0.007292	0.004245	2314
GSE42724_NAIVE_VS_B1_BCELL_UP	157	0.45737	1.628992	0.001822	0.00738	0.004296	2039
GSE15330_HSC_VS_GRANULOCYTE_MONOCYTE_PROGRAMMATOR_IKAROS_KO_UP	165	0.43776	1.567944	0.001863	0.007543	0.004391	2565
GSE27786_ERYTHROBLAST_VS_MONO_MAC_UP	156	-0.348	-1.475	0.001866	0.007547	0.004393	2683
GSE360_DC_VS_MAC_B_MALAYI_HIGH_DOSE_UP	165	0.43717	1.565832	0.001933	0.007811	0.004547	1320
GSE36826_NORMAL_VS_STAPH_AUREUS_INF_IL1R_KO_SKIN_DN	161	0.44736	1.59593	0.001938	0.007824	0.004555	1816
GSE9006_HEALTHY_VS_TYPE_1_DIABETES_PBMC_4MONTH_POST_DX_UP	163	0.44488	1.586527	0.001948	0.007858	0.004574	3077
GSE33162_HDAC3_KO_VS_HDAC3_KO_MACROPHAGE_DN	168	0.43827	1.577171	0.001955	0.00788	0.004587	1746
GSE45365_NK_CELL_VS_BCELL_MCMV_INFECTION_UP	157	0.45625	1.624997	0.001961	0.007892	0.004594	2594
GSE9988_ANTI_TREM1_VS_CTRL_TREATED_MONOCYTES_DN	153	0.45358	1.609501	0.001961	0.007892	0.004594	3049

GSE25088_WT_VS_STAT6_KO_MACROPHAGE_ROSIGLIT AZONE_STIM_DN	162	0.44594	1.590135	0.001992	0.008009	0.004662	1816
GSE11961_PLASMA_CELL_DAY7_VS_MEMORY_BCELL_ DAY40_DN	156	0.43973	1.565116	0.00201	0.008076	0.004701	1879
GSE3720_UNSTIM_VS_LPS_STIM_VD1_GAMMADELTA_T CELL_DN	113	0.46776	1.604705	0.002027	0.008138	0.004738	2126
GSE36009_UNSTIM_VS_LPS_STIM_DC_UP	156	0.43928	1.56352	0.002033	0.008156	0.004748	1883
GSE19888_NO_PRETREAT_VS_ADENOSINE_A3R_INHIBIT OR_PRETREATED_MAST_CELL_TCELL_MEMBRANES_A CT_DN	155	0.4499	1.600677	0.002046	0.008201	0.004774	2328
GSE8835_HEALTHY_VS_CLL_CD4_TCELL_UP	169	0.43232	1.554225	0.002079	0.008327	0.004848	1759
GSE411_UNSTIM_VS_100MIN_IL6_STIM_MACROPHAGE_ DN	156	0.43806	1.559182	0.002149	0.008601	0.005007	2470
GSE1448_CTRL_VS_ANTI_VBETA5_DP_THYMOCYTE_DN	165	0.43562	1.560274	0.002164	0.008654	0.005038	2084
GSE3982_DC_VS_BASOPHIL_DN	154	0.44822	1.595743	0.002194	0.008759	0.005099	2533
GSE43863_DAY6_EFF_VS_DAY150_MEM_TFH_CD4_TCEL L_DN	154	0.44874	1.597594	0.002194	0.008759	0.005099	1777
GSE9037_WT_VS_IRAK4_KO_BMDM_UP	150	0.45559	1.610437	0.002209	0.008806	0.005126	2623
GSE37532_WT_VS_PPARG_KO_VISCERAL_ADIPOSE_TIS SUE_TREG_UP	150	-0.3569	-1.51353	0.002209	0.008806	0.005126	4192
GSE41176_WT_VS_TAK1_KO_UNSTIM_BCELL_UP	161	0.44617	1.591699	0.002216	0.008826	0.005138	2439
GSE17974_0H_VS_72H_IN_VITRO_ACT_CD4_TCELL_UP	131	0.46961	1.637263	0.002219	0.008831	0.005141	2032
GSE14000_UNSTIM_VS_4H_LPS_DC_UP	153	-0.3564	-1.51066	0.002226	0.00885	0.005152	3136
GSE40274_CTRL_VS_FOXP3_AND_HELIOS_TRANSDUCE D_ACTIVATED_CD4_TCELL_UP	152	0.45666	1.618253	0.00223	0.008858	0.005157	2226
GSE13522_CTRL_VS_T_CRUZI_Y_STRAIN_INF_SKIN_BA LBC_MOUSE_DN	92	0.49784	1.658074	0.002232	0.008858	0.005157	1613
GSE36078_WT_VS_IL1R_KO_LUNG_DC_AFTER_AD5_INF _DN	159	0.45048	1.604621	0.002242	0.008893	0.005177	2097
GSE11057_EFF_MEM_VS_CENT_MEM_CD4_TCELL_DN	152	0.45644	1.617482	0.002254	0.008926	0.005196	2405
GSE360_DC_VS_MAC_L_DONOVANI_DN	155	0.44858	1.59599	0.002254	0.008926	0.005196	1325
GSE32164_RESTING_DIFFERENTIATED_VS_CMYC_INHIB ITED_MACROPHAGE_UP	170	0.43345	1.558057	0.00226	0.008943	0.005206	1625
GSE17721_LPS_VS_CPG_24H_BMDC_DN	166	0.44134	1.583917	0.002263	0.008947	0.005208	1624
GSE27291_0H_VS_7D_STIM_GAMMADELTA_TCELL_DN	137	0.45596	1.591048	0.002276	0.008992	0.005234	2184

GSE40274_LEF1_VS_FOXP3_AND_LEF1_TRANSDUCE D_ACTIVATED_CD4_TCELL_DN	161	0.44548	1.589219	0.002286	0.009023	0.005252	1606
GSE17721_CTRL_VS_POLYIC_24H_BMDC_DN	167	0.43448	1.562635	0.0023	0.009066	0.005277	2569
GSE37416_CTRL_VS_24H_F_TULARENSIS_LVS_NEUTRO PHIL_DN	167	0.43438	1.562264	0.0023	0.009066	0.005277	2760
GSE22886_NAIVE_BCELL_VS_DC_UP	132	0.46727	1.633379	0.002324	0.009152	0.005328	2104
GSE10856_CTRL_VS_TNFRSF6B_IN_MACROPHAGE_UP	135	0.45808	1.601248	0.002327	0.009156	0.00533	1779
GSE22886_NAIVE_CD4_TCELL_VS_DC_UP	156	0.43546	1.549921	0.002335	0.009181	0.005344	1471
GSE39152_CD103_NEG_VS_POS_MEMORY_CD8_TCELL_ DN	157	0.4527	1.612371	0.002356	0.00925	0.005385	1969
GSE21360_TERTIARY_VS_QUATERNARY_MEMORY_CD8_ _TCELL_UP	156	0.43432	1.545849	0.002359	0.00925	0.005385	2019
GSE29949_CD8_NEG_DC_SPLEEN_VS_CD8_POS_DC_SPL EEN_DN	156	0.43536	1.549573	0.002359	0.00925	0.005385	2426
GSE360_L_DONOVANI_VS_M_TUBERCULOSIS_MAC_UP	162	0.4427	1.578583	0.002364	0.009266	0.005394	1894
GSE14769_40MIN_VS_360MIN_LPS_BMDM_DN	149	0.45444	1.606394	0.002368	0.009273	0.005398	1676
GSE360_DC_VS_MAC_DN	150	0.45408	1.605084	0.002374	0.009289	0.005408	1315
GSE42724_NAIVE_BCELL_VS_PLASMABLAST_DN	146	0.45017	1.589701	0.002392	0.00935	0.005443	1086
GSE34156_UNTREATED_VS_24H_NOD2_AND_TLR1_TLR 2_LIGAND_TREATED_MONOCYTE_UP	150	0.45352	1.60313	0.002398	0.009367	0.005453	1754
GOLDRATH_EFF_VS_MEMORY_CD8_TCELL_UP	164	0.43577	1.557917	0.002402	0.009376	0.005458	2021
GSE31082_CD4_VS_CD8_SP_THYMOCYTE_UP	149	0.45378	1.604043	0.002439	0.009513	0.005538	2339
GSE3982_EOSINOPHIL_VS_DC_UP	157	0.45203	1.609981	0.002449	0.009536	0.005551	2548
GSE39916_B_CELL_SPLEEN_VS_PLASMA_CELL_BONE_ MARROW_DN	157	0.45208	1.610142	0.002449	0.009536	0.005551	2852
GSE22886_NAIVE_CD8_TCELL_VS_DC_UP	156	0.43382	1.54407	0.002452	0.00954	0.005554	2694
GSE16450_CTRL_VS_IFNA_6H_STIM_IMMATURE_NEUR ON_CELL_LINE_DN	142	0.45489	1.597977	0.002455	0.009544	0.005556	2072
GSE43863_LY6C_INT_CXCR5POS_VS_LY6C_LOW_CXCR5 NEG_EFFECTOR_CD4_TCELL_UP	162	0.44203	1.576165	0.002458	0.009549	0.005559	1873
GSE27786_CD4_TCELL_VS_NKTCELL_DN	154	0.445	1.584271	0.002471	0.009582	0.005578	2558
GSE4748_CTRL_VS_CYANOBACTERIUM_LPSLIKE_STIM _DC_3H_UP	166	0.44007	1.579378	0.002471	0.009582	0.005578	1510
GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THY MOCYTE_DN	164	0.43501	1.55523	0.002495	0.009656	0.005621	1820

GSE34179_THPOK_KO_VS_WT_VA14I_NKTCELL_DN	158	0.44396	1.579951	0.002495	0.009656	0.005621	1841
GSE46606_IRF4_KO_VS_WT_CD40L_IL2_IL5_3DAY_STIM ULATED_BCELL_UP	153	0.44839	1.591094	0.002495	0.009656	0.005621	1572
HALLMARK_E2F_TARGETS	159	-0.3486	-1.48359	0.002522	0.009752	0.005677	4012
GSE6875_TCONV_VS_FOXP3_KO_TREG_UP	144	0.45073	1.587489	0.002534	0.009789	0.005698	1866
GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_NFKB P50_KO_MACROPHAGE_UP	150	0.45273	1.600316	0.00254	0.009806	0.005709	2661
GSE23505_IL6_IL1_VS_IL6_IL1_IL23_TREATED_CD4_TCE LL_DN	162	0.44158	1.57459	0.002552	0.009843	0.00573	2947
GSE20366_EX_VIVO_VS_HOMEOSTATIC_CONVERSION_ TREG_DN	149	-0.3554	-1.50066	0.002563	0.009878	0.00575	2488
GSE14415_INDUCED_TREG_VS_TCONV_DN	130	0.45332	1.582623	0.002573	0.00991	0.005769	2364
GSE30153_LUPUS_VS_HEALTHY_DONOR_BCELL_UP	155	0.44693	1.590103	0.002579	0.009925	0.005778	1472
GSE33513_TCF7_KO_VS_HET_EARLY_THYMIC_PROGEN ITOR_UP	157	0.45177	1.609038	0.002589	0.009955	0.005795	1498
GSE20727_CTRL_VS_ROS_INHIBITOR_TREATED_DC_DN	159	0.44844	1.597331	0.002592	0.009959	0.005798	2087
GSE20366_TREG_VS_NAIVE_CD4_TCELL_UP	150	0.45173	1.5968	0.002635	0.010102	0.005881	1713
GSE37416_0H_VS_48H_F_TULARENSIS_LVS_NEUTROPHI L_DN	150	0.45137	1.595523	0.002635	0.010102	0.005881	1801
GSE9988_LOW_LPS_VS_VEHICLE_TREATED_MONOCYT E_DN	161	0.44362	1.58261	0.002635	0.010102	0.005881	2826
GSE26030_UNSTIM_VS_RESTIM_TH17_DAY5_POST_POL ARIZATION_DN	154	0.4422	1.574291	0.002655	0.010171	0.005921	1546
GSE13411_SWITCHED_MEMORY_BCELL_VS_PLASMA_C ELL_UP	151	0.45266	1.603534	0.002662	0.010189	0.005932	2583
GSE22025_TGFB1_VS_TGFB1_AND_PROGESTERONE_TR EATED_CD4_TCELL_DN	164	0.43409	1.551935	0.002682	0.010257	0.005971	1571
GSE23114_WT_VS_SLE2C1_MOUSE_SPLEEN_B1A_BCELL _UP	157	0.45003	1.602832	0.002729	0.010417	0.006064	2418
GSE30962_ACUTE_VS_CHRONIC_LCMV_PRIMARY_INF_ CD8_TCELL_UP	157	0.4496	1.601334	0.002729	0.010417	0.006064	2162
GSE3982_BCELL_VS_EFF_MEMORY_CD4_TCELL_DN	150	0.45098	1.59414	0.00273	0.010417	0.006064	1761
GSE16697_CD4_TCELL_VS_TFH_CD4_TCELL_DN	162	0.43999	1.56889	0.002739	0.010443	0.006079	2319
GSE37416_12H_VS_24H_F_TULARENSIS_LVS_NEUTROP HIL_UP	158	0.4425	1.574753	0.002775	0.010573	0.006155	2175

GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_IKAROS_KO_UP	159	0.44693	1.591978	0.002779	0.010578	0.006158	2347
GSE17721_LPS_VS_GARDIQUIMOD_24H_BMDC_DN	162	0.43972	1.567931	0.002786	0.010597	0.006169	1470
GSE37416_CTRL_VS_3H_F_TULARENSIS_LVS_NEUTROPHIL_UP	141	0.46002	1.618114	0.002822	0.010709	0.006234	2248
GSE41867_DAY6_VS_DAY8_LCMV_CLONE13_EFFECTOR_CD8_TCELL_UP	161	0.44182	1.576165	0.002822	0.010709	0.006234	1770
GSE43955_1H_VS_42H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN	164	0.43258	1.546536	0.002822	0.010709	0.006234	1912
GSE17721_LPS_VS_CPG_6H_BMDC_UP	169	0.4249	1.527537	0.00284	0.010769	0.006269	2875
GSE2585_THYMIC_MACROPHAGE_VS_MTEC_DN	164	0.43231	1.545546	0.002869	0.010858	0.006321	2019
GSE3039_ALPHAALPHA_CD8_TCELL_VS_B1_BCELL_UP	164	0.43235	1.545716	0.002869	0.010858	0.006321	1497
GSE19401_NAIVE_VS_IMMUNIZED_MOUSE_PLN_FOLLICULAR_DC_DN	159	0.44541	1.586573	0.002872	0.010858	0.006321	1516
GSE24102_GRANULOCYSTITIC_MDSC_VS_NEUTROPHIL_DN	159	0.44625	1.589537	0.002872	0.010858	0.006321	2057
GSE20715_0H_VS_24H_OZONE_LUNG_DN	170	0.42862	1.540687	0.002883	0.010885	0.006336	2304
GSE26488_WT_VS_VP16_TRANSGENIC_HDAC7_KO_DOUBLE_POSITIVE_THYMOCYTE_DN	139	0.4582	1.606453	0.002884	0.010885	0.006336	2689
GSE12366_NAIVE_VS_MEMORY_BCELL_DN	152	0.44989	1.594253	0.002887	0.010888	0.006338	2254
GSE30971_CTRL_VS_LPS_STIM_MACROPHAGE_WBP7_HET_2H_DN	155	0.44507	1.583507	0.002997	0.011296	0.006576	2215
GSE24634_TEFF_VS_TCONV_DAY10_IN_CULTURE_UP	165	0.4306	1.542322	0.003001	0.011301	0.006579	1260
GSE43955_10H_VS_60H_ACT_CD4_TCELL_UP	160	0.44337	1.583648	0.003044	0.011453	0.006667	952
GSE37605_FOXP3_FUSION_GFP_VS_IRES_GFP_TREG_C57BL6_DN	143	0.45572	1.6044	0.003059	0.011501	0.006695	1993
GSE34006_UNTREATED_VS_A2AR_AGONIST_TREATED_TREG_DN	166	0.43529	1.562201	0.003071	0.011538	0.006717	1625
GSE2770_IL12_AND_TGFB_VS_IL4_TREATED_ACT_CD4_TCELL_6H_DN	155	0.44369	1.578583	0.00309	0.011593	0.006749	1904
GSE23114_WT_VS_SLE2C1_MOUSE_PERITONEAL_CAVITY_B1A_BCELL_DN	136	0.4545	1.590389	0.00309	0.011593	0.006749	1434
GSE339_CD8POS_VS_CD4CD8DN_DC_UP	157	0.44586	1.587992	0.003102	0.011625	0.006767	2257
GSE29618_PRE_VS_DAY7_FLU_VACCINE_MONOCYTE_UP	156	0.42927	1.527905	0.003106	0.011625	0.006767	1499

GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_6H_DN	156	0.43041	1.531942	0.003106	0.011625	0.006767	2363
GSE17186_NAIVE_VS_CD21LOW_TRANSITIONAL_BCELL_UP	162	0.43767	1.560637	0.003114	0.011645	0.006779	2057
GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_17H_UP	152	0.44841	1.589022	0.003121	0.011666	0.006791	1899
GSE6269_FLU_VS_STREP_PNEUMO_INF_PBMC_UP	132	0.4622	1.615648	0.003138	0.011719	0.006822	2358
GSE13411_IGM_MEMORY_BCELL_VS_PLASMA_CELL_D	147	0.44976	1.586462	0.003153	0.011767	0.00685	2047
GSE24814_STAT5_KO_VS_WT_PRE_BCELL_DN	162	0.4371	1.558616	0.00316	0.011784	0.00686	1715
GSE20500_CTRL_VS_RARA_ANTAGONIST_TREATED_CD4_TCELL_DN	138	-0.3552	-1.48825	0.003169	0.011807	0.006873	2960
GSE9960_HEALTHY_VS_GRAM_NEG_AND_POS_SEPSIS_PBMC_DN	138	0.45377	1.588266	0.00319	0.011878	0.006914	3182
GSE23502_WT_VS_HDC_KO_MYELOID_DERIVED_SUPPRESSOR_CELL_BM_UP	164	0.43002	1.53739	0.003195	0.011884	0.006918	2490
GSE7568_CTRL_VS_24H_TGFB_TREATED_MACROPHAGES_WITH_IL4_AND_DEXAMETHASONE_UP	167	0.42994	1.546309	0.003197	0.011884	0.006918	1954
GSE37416_0H_VS_12H_F_TULARENSIS_LVS_NEUTROPHIL_UP	156	0.42896	1.526775	0.003199	0.011884	0.006918	2011
GSE21033_1H_VS_12H_POLYIC_STIM_DC_UP	137	0.45055	1.572194	0.003219	0.01195	0.006957	1820
GSE17721_CTRL_VS_LPS_8H_BMDC_DN	170	0.42652	1.533153	0.003252	0.01206	0.007021	2422
GSE20366_TREG_VS_NAIVE_CD4_TCELL_DEC205_CONVERSION_DN	147	0.44865	1.58254	0.003296	0.012215	0.007111	2550
GSE6674_CPG_VS_PL2_3_STIM_BCELL_DN	142	0.44823	1.574591	0.003313	0.012269	0.007142	2301
GSE22935_24H_VS_48H_MBOVIS_BCG_STIM_MYD88_KO_MACROPHAGE_UP	166	0.43342	1.555514	0.003394	0.012561	0.007312	1909
GSE37605_NOD_VS_C57BL6_IRES_GFP_TREG_UP	121	0.47164	1.628186	0.0034	0.012574	0.00732	1424
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_52H_DN	165	0.42778	1.532189	0.00342	0.012636	0.007356	1571
GSE17721_LPS_VS_CPG_2H_BMDC_UP	166	0.43314	1.554503	0.00344	0.012703	0.007395	1950
GSE11924_TH1_VS_TH2_CD4_TCELL_DN	153	0.44263	1.570665	0.003475	0.012821	0.007464	2992
GSE1925_CTRL_VS_3H_IFNG_STIM_MACROPHAGE_UP	166	0.43275	1.553098	0.003486	0.012853	0.007482	2786
GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_2H_DN	126	0.45023	1.561194	0.003489	0.012853	0.007482	2548
GSE360_L_MAJOR_VS_B_MALAYI_LOW_DOSE_DC_UP	163	0.43576	1.554021	0.003493	0.012857	0.007485	1865
GSE2585_AIRE_KO_VS_WT_CD80_LOW_MTEC_UP	160	0.44061	1.573793	0.003508	0.012906	0.007513	1859

GSE20366_TREG_VS_NAIVE_CD4_TCELL_DN	159	0.44263	1.576647	0.003526	0.012961	0.007545	1943
GSE17186_NAIVE_VS_CD21LOW_TRANSITIONAL_BCELL_CORD_BLOOD_DN	166	0.4327	1.552911	0.003533	0.012964	0.007547	1387
GSE28449_WT_VS_LRF_KO_GERMINAL_CENTER_BCELL_DN	154	0.4379	1.558978	0.003533	0.012964	0.007547	1509
GSE3720_LPS_VS_PMA_STIM_VD1_GAMMADELTA_TCELL_DN	130	0.44732	1.561672	0.003535	0.012964	0.007547	1819
GSE22611_NOD2_VS_CTRL_TRANSDUCED_HEK293T_CELL_DN	150	0.44651	1.57833	0.003537	0.012964	0.007547	1645
GSE32164_ALTERNATIVELY_ACT_M2_VS_CMYC_INHIBITED_MACROPHAGE_UP	156	0.42644	1.517805	0.003573	0.013079	0.007614	2383
GSE3565_CTRL_VS_LPS_INJECTED_SPLENOCYTES_DN	138	0.45179	1.581354	0.003574	0.013079	0.007614	2098
GSE25123_CTRL_VS_IL4_STIM_PPARG_KO_MACROPHAGE_DN	150	0.44599	1.576493	0.003585	0.013109	0.007631	2387
GSE21670_UNTREATED_VS_TGFB_TREATED_CD4_TCELL_DN	155	0.43909	1.56224	0.003601	0.013159	0.00766	1628
GSE27786_LIN_NEG_VS_NEUTROPHIL_UP	145	-0.3452	-1.44744	0.003614	0.013189	0.007678	3969
GSE2405_0H_VS_24H_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_DN	164	0.42809	1.530467	0.003615	0.013189	0.007678	1258
GSE27670_CTRL_VS_BLIMP1_TRANSDUCED_GC_BCELL_UP	172	0.4135	1.492428	0.00363	0.013236	0.007705	1431
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_52H_UP	163	0.43435	1.548984	0.003633	0.013237	0.007705	1042
GSE2935_UV_INACTIVATED_VS_LIVE_SENDAI_VIRUS_INF_MACROPHAGE_UP	133	0.45641	1.598311	0.003651	0.013292	0.007738	2200
GSE3565_CTRL_VS_LPS_INJECTED_DUSP1_KO_SPLENOCYTES_DN	135	0.44842	1.567474	0.00367	0.013351	0.007772	2155
GSE12198_CTRL_VS_HIGH_IL2_STIM_NK_CELL_DN	164	0.42709	1.526882	0.003708	0.01348	0.007847	2098
GSE44649_WT_VS_MIR155_KO_NAIVE_CD8_TCELL_DN	156	0.42615	1.516802	0.003713	0.013487	0.007851	2254
GSE1460_NAIVE_CD4_TCELL_ADULT_BLOOD_VS_THYMIC_STROMAL_CELL_DN	162	0.4342	1.548246	0.003722	0.013501	0.007859	2152
GSE20715_0H_VS_48H_OZONE_TLR4_KO_LUNG_UP	162	0.43418	1.548186	0.003722	0.013501	0.007859	2221
GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_12H_ACT_CD4_TCELL_UP	136	0.45107	1.578411	0.003761	0.013632	0.007935	2404
GSE17721_LPS_VS_GARDIQUIMOD_12H_BMDC_DN	149	0.44541	1.574484	0.003765	0.013636	0.007938	2760

GSE26928_NAIVE_VS_CENT_MEMORY_CD4_TCELL_DN	131	0.46082	1.606616	0.003785	0.0137	0.007975	1721
GSE40274_CTRL_VS_SATB1_TRANSDUCE	137	0.44825	1.564168	0.0038	0.013738	0.007997	1961
GSE11961_GERMINAL_CENTER_BCELL_DAY7_VS_MEM	158	0.43716	1.555737	0.003801	0.013738	0.007997	1485
GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_48	153	0.44022	1.562104	0.003848	0.013896	0.008089	2238
GSE16385_ROSIGLITAZONE_VS_UNTREATED_IFNG_TNF	144	0.44242	1.558217	0.00386	0.013928	0.008108	1633
GSE1432_CTRL_VS_IFNG_24H_MICROGLIA_UP	175	0.41862	1.51598	0.003881	0.013993	0.008146	2065
GSE12845_IGD_NEG_BLOOD_VS_DARKZONE_GC_TONSI	158	0.43704	1.555333	0.003895	0.014034	0.008169	1929
GSE40274_HELIOS_VS_FOXP3_AND_HELIOS_TRANSDUC	160	0.43875	1.567138	0.003927	0.014138	0.00823	2858
GSE45739_NRAS_KO_VS_WT_ACD3_ACD28_STIM_CD4_T	142	0.44518	1.563885	0.003932	0.014148	0.008236	1468
GSE10325_LUPUS_BCELL_VS_LUPUS_MYELOID_UP	149	0.44429	1.570526	0.003955	0.014218	0.008277	2324
GSE411_WT_VS_SOCS3_KO_MACROPHAGE_IL6_STIM_4	152	0.44259	1.568383	0.003966	0.01425	0.008295	2758
GSE40274_LEF1_VS_FOXP3_AND_LEF1_TRANSDUCE	159	0.43975	1.566406	0.003993	0.014335	0.008345	2299
GSE13547_CTRL_VS_ANTI_IGM_STIM_BCELL_2H_UP	149	0.44393	1.569231	0.004002	0.014357	0.008357	1570
GSE19941_UNSTIM_VS_LPS_AND_IL10_STIM_IL10_KO_	143	0.45137	1.589101	0.004007	0.014365	0.008362	1737
GSE37301_CD4_TCELL_VS_RAG2_KO_NK_CELL_UP	123	0.46247	1.600355	0.00402	0.014402	0.008384	1541
GSE36009_UNSTIM_VS_LPS_STIM_NLRP10_KO_DC_UP	154	0.43495	1.548469	0.004041	0.014464	0.00842	3008
GSE17721_CTRL_VS_GARDIQUIMOD_8H_BMDC_UP	154	-0.3436	-1.45162	0.004057	0.014511	0.008448	3182
GSE17721_CTRL_VS_LPS_4H_BMDC_DN	164	0.42557	1.521458	0.004128	0.014744	0.008583	2413
GSE17721_LPS_VS_PAM3CSK4_2H_BMDC_UP	161	0.43386	1.547789	0.004128	0.014744	0.008583	2182
GSE30962_ACUTE_VS_CHRONIC_LCMV_PRIMARY_INF_	167	0.42626	1.533068	0.004164	0.014861	0.008651	2848
GSE17721_PAM3CSK4_VS_CPG_16H_BMDC_DN	161	0.43372	1.547268	0.004175	0.014889	0.008668	2553
GSE37416_CTRL_VS_24H_F_TULARENSIS_LVS_NEUTRO	159	0.4389	1.563351	0.00418	0.014897	0.008672	1872
GSE360_DC_VS_MAC_B_MALAYI_LOW_DOSE_DN	170	0.42301	1.520529	0.00422	0.015016	0.008741	2214

GSE38304_MYC_NEG_VS_POS_GC_BCELL_UP	158	0.4357	1.550546	0.004221	0.015016	0.008741	1757
GSE36476_CTRL_VS_TSST_ACT_40H_MEMORY_CD4_TCELL_YOUNG_UP	154	0.4344	1.546517	0.004225	0.015016	0.008741	2108
GSE39152_SPLEEN_CD103_NEG_VS_BRAIN_CD103_POS_MEMORY_CD8_TCELL_DN	166	0.43026	1.544177	0.004225	0.015016	0.008741	2079
GSE20727_CTRL_VS_H2O2_TREATED_DC_UP	142	0.4423	1.553776	0.004266	0.015149	0.008819	2423
GSE37301_HEMATOPOIETIC_STEM_CELL_VS_GRAN_MO_NO_PROGENITOR_DN	146	0.43974	1.552851	0.004286	0.01521	0.008854	1325
GSE15330_MEGAKARYOCYTE_ERYTHROID_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_IKAROS_KO_DN	164	0.4247	1.518348	0.004315	0.0153	0.008907	2420
GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_6H_UP	169	0.41891	1.506001	0.004318	0.0153	0.008907	2419
GSE29949_MICROGLIA_VS_DC_BRAIN_DN	162	0.43195	1.540242	0.004331	0.015336	0.008927	1013
GSE1432_1H_VS_24H_IFNG_MICROGLIA_UP	167	0.42458	1.527007	0.004348	0.015384	0.008955	1757
GSE339_CD8POS_VS_CD4CD8DN_DC_DN	172	0.41042	1.481309	0.004361	0.015419	0.008976	1759
GSE7831_CPG_VS_INFLUENZA_STIM_PDC_1H_DN	166	0.43008	1.543513	0.004364	0.015419	0.008976	1620
GSE9988_ANTI_TREM1_VS_LPS_MONOCYTE_UP	163	0.43148	1.538738	0.004383	0.015477	0.009009	2548
GSE24142_ADULT_VS_FETAL_DN2_THYMOCYTE_UP	167	0.42427	1.52591	0.004394	0.015502	0.009024	2300
GSE40274_FOXP3_VS_FOXP3_AND_IRF4_TRANSDUCE_ACTIVATED_CD4_TCELL_DN	159	0.43801	1.560205	0.004413	0.015561	0.009058	2547
HALLMARK_ANDROGEN_RESPONSE	86	0.49477	1.629319	0.004421	0.015576	0.009067	1592
GSE14415_FOXP3_KO_NATURAL_TREG_VS_TCONV_DN	136	0.44888	1.57072	0.004432	0.015603	0.009083	2035
GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_6H_CD4_TCELL_UP	145	0.44078	1.552538	0.004439	0.01561	0.009087	2211
GSE15624_CTRL_VS_6H_HALOFUGINONE_TREATED_CD4_TCELL_UP	102	0.47491	1.614499	0.004443	0.01561	0.009087	1647
GSE33424_CD161_HIGH_VS_INT_CD8_TCELL_DN	165	0.42317	1.515678	0.004443	0.01561	0.009087	1654
GSE7596_AKT_TRANSD_VS_CTRL_CD4_TCONV_WITH_TGFB_UP	131	0.4583	1.597857	0.004461	0.01566	0.009116	2183
GSE29614_CTRL_VS_DAY7_TIV_FLU_VACCINE_PBMC_DN	149	0.44117	1.559466	0.004475	0.015701	0.00914	2243
GSE13306_RA_VS_UNTREATED_MEM_CD4_TCELL_DN	158	0.43455	1.546473	0.004548	0.015932	0.009274	1556
GSE2128_C57BL6_VS_NOD_THYMOCYTE_MIMETOPE_NEGATIVE_SELECTION_DN	164	0.42361	1.514471	0.004548	0.015932	0.009274	1745
GSE41978_WT_VS_ID2_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_DN	160	0.43603	1.557411	0.004577	0.016023	0.009328	1707

GSE21033_3H_VS_24H_POLYIC_STIM_DC_UP	122	0.46174	1.599428	0.004581	0.016025	0.009329	1889
GSE22886_IGM_MEMORY_BCELL_VS_BM_PLASMA_CELL_UP	158	0.43388	1.544097	0.004594	0.016061	0.00935	2273
GSE9316_CD4_TCELL_BALBC_VS_TH17_ENRI_CD4_TCELL_SKG_PMA_IONO_STIM_FR4NEG_DN	162	0.43069	1.535759	0.004612	0.01611	0.009378	1343
GSE17721_CTRL_VS_CPG_6H_BMDC_DN	170	0.4217	1.51581	0.004635	0.01618	0.009419	2857
GSE17721_LPS_VS_POLYIC_1H_BMDC_UP	169	0.41771	1.501668	0.004641	0.016189	0.009424	1492
GSE38304_MYC_NEG_VS_POS_GC_BCELL_DN	155	0.43557	1.549704	0.00467	0.016279	0.009477	2208
GSE5679_PPARG_LIGAND_ROSIGLITAZONE_VS_RARA_AGNONIST_AM580_TREATED_DC_DN	154	0.4321	1.538328	0.004687	0.016327	0.009504	2049
GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_DN	142	0.44002	1.545753	0.004695	0.016343	0.009514	1804
GSE7460_TREG_VS_TCONV_ACT_WITH_TGFB_UP	155	0.43402	1.544186	0.004717	0.016406	0.009551	1611
GSE3039_CD4_TCELL_VS_B1_BCELL_DN	153	0.43622	1.547893	0.004734	0.016456	0.00958	2252
GSE19198_CTRL_VS_IL21_TREATED_TCELL_24H_DN	167	0.42303	1.521435	0.004762	0.016541	0.009629	1836
GSE44649_WT_VS_MIR155_KO_ACTIVATED_CD8_TCELL_DN	151	0.44118	1.562856	0.004783	0.016601	0.009664	2243
GSE1460_CORD_VS_ADULT_BLOOD_NAIVE_CD4_TCELL_UP	146	0.43787	1.546269	0.004807	0.016674	0.009706	1579
GSE29615_CTRL_VS_DAY7_LAIV_FLU_VACCINE_PBMC_UP	132	0.45417	1.587571	0.004815	0.01669	0.009716	873
GSE26727_WT_VS_KLF2_KO_LPS_STIM_MACROPHAGE_DN	153	0.43577	1.546311	0.004828	0.016712	0.009728	3003
GSE2770_IL4_ACT_VS_ACT_CD4_TCELL_48H_DN	153	0.43596	1.54698	0.004828	0.016712	0.009728	1961
GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_IL10_KO_MACROPHAGE_45MIN_UP	162	0.43028	1.5343	0.004846	0.016763	0.009758	2566
GSE43955_1H_VS_42H_ACT_CD4_TCELL_UP	169	0.41702	1.499218	0.004873	0.016842	0.009805	2497
GSE37532_WT_VS_PPARG_KO_LN_TCONV_DN	141	0.44958	1.581367	0.004908	0.016954	0.009869	2057
GSE17721_CTRL_VS_CPG_12H_BMDC_DN	168	0.42277	1.52137	0.004941	0.017054	0.009928	2507
GSE3920_IFNA_VS_IFNG_TREATED_ENDOTHELIAL_CELL_DN	136	0.44565	1.559445	0.004959	0.017105	0.009958	1940
GSE24210_CTRL_VS_IL35_TREATED_TCONV_CD4_TCELL_UP	164	0.42224	1.509571	0.005016	0.017288	0.010064	2276
GSE11961_FOLLICULAR_BCELL_VS_MEMORY_BCELL_DN_AY40_DN	156	0.4204	1.496308	0.005022	0.017297	0.010069	2224

GSE17974_1H_VS_72H_UNTREATED_IN_VITRO_CD4_TCELL_UP	154	0.43052	1.532728	0.005058	0.017411	0.010135	2032
GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCECD4_TCELL_PIOGLITAZONE_TREATED_DN	165	0.42079	1.507178	0.005096	0.01753	0.010205	2201
GSE22432_UNTREATED_VS_TGFB1_TREATED_COMMON_DC_PROGENITOR_DN	160	0.43469	1.552635	0.005183	0.017816	0.010372	2240
GSE3982_EOSINOPHIL_VS_MAST_CELL_UP	156	0.41847	1.489445	0.00521	0.017894	0.010417	2127
GSE40273_GATA1_KO_VS_WT_TREG_DN	152	0.43621	1.545774	0.005236	0.017972	0.010462	2140
GSE17974_0H_VS_2H_IN_VITRO_ACT_CD4_TCELL_DN	147	0.44093	1.555299	0.00529	0.01813	0.010554	3145
GSE6674_UNSTIM_VS_PL2_3_STIM_BCELL_DN	145	0.43761	1.541397	0.005296	0.01813	0.010554	2299
GSE19772_HCMV_INFL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_DN	161	0.4265	1.521508	0.005297	0.01813	0.010554	2878
GSE43955_10H_VS_30H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN	161	0.42601	1.519767	0.005297	0.01813	0.010554	1454
GSE34156_UNTREATED_VS_24H_NOD2_AND_TLR1_TLR2_LIGAND_TREATED_MONOCYTE_DN	127	-0.3577	-1.47816	0.005314	0.018176	0.010581	2703
GSE25088_ROSIGLITAZONE_VS_IL4_AND_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_DAY10_UP	151	0.43853	1.553461	0.005351	0.018289	0.010647	2132
GSE10240_IL22_VS_IL22_AND_IL17_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_DN	153	0.43411	1.540424	0.005391	0.018412	0.010719	2391
GSE2770_IL12_VS_IL4_TREATED_ACT_CD4_TCELL_6H_DN	156	0.41784	1.487206	0.005397	0.018423	0.010725	1816
GSE37301_HEMATOPOIETIC_STEM_CELL_VS_COMMON_LYMPHOID_PROGENITOR_DN	166	0.42738	1.533821	0.00543	0.01852	0.010781	1856
GSE33162_HDAC3_KO_VS_HDAC3_KO_MACROPHAGE_UP	158	0.43077	1.533018	0.005484	0.018691	0.010881	1714
GSE13547_2H_VS_12_H_ANTI_IGM_STIM_BCELL_UP	150	0.43801	1.548298	0.005487	0.018691	0.010881	1591
GSE42021_TCONV_PLN_VS_CD24LO_TCONV_THYMUS_DN	162	0.42915	1.530266	0.005505	0.018739	0.010908	2946
GSE33425_CD8_ALPHAALPHA_VS_ALPHABETA_CD161_HIGH_TCELL_DN	163	0.4254	1.517055	0.005512	0.018749	0.010915	1710
GSE3982_MAC_VS_EFF_MEMORY_CD4_TCELL_UP	175	0.41351	1.497476	0.005519	0.018759	0.01092	2222
GSE22886_IGM_MEMORY_BCELL_VS_BLOOD_PLASMA_CELL_DN	154	0.42948	1.529022	0.005522	0.018759	0.01092	2671

GSE1740_UNSTIM_VS_IFNA_STIMULATED_MCSF_IFNG_DERIVED_MACROPHAGE_UP	135	0.43931	1.535644	0.005544	0.01882	0.010956	2610
GSE15735_2H_VS_12H_HDAC_INHIBITOR_TREATED_CD4_TCELL_DN	149	0.43804	1.548408	0.005568	0.018889	0.010996	1416
GSE26030_UNSTIM_VS_RESTIM_TH1_DAY5_POST_POLARIZATION_DN	159	0.43504	1.549617	0.005585	0.018932	0.011021	1849
GSE40666_WT_VS_STAT4_KO_CD8_TCELL_WITH_IFNA_STIM_90MIN_UP	152	0.43533	1.542676	0.005613	0.019015	0.011069	2019
GSE5589_WT_VS_IL10_KO_LPS_STIM_MACROPHAGE_180MIN_DN	127	0.45106	1.564926	0.005624	0.019039	0.011083	1622
GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_72H_ACT_CD4_TCELL_UP	134	0.44387	1.551479	0.005641	0.019081	0.011108	1611
GSE11961_MEMORY_BCELL_DAY7_VS_GERMINAL_CENTER_BCELL_DAY40_UP	155	0.43266	1.539335	0.00565	0.019101	0.01112	1869
GSE17974_0H_VS_4H_IN_VITRO_ACT_CD4_TCELL_DN	149	0.43666	1.543532	0.005664	0.019115	0.011127	1882
GSE3982_DC_VS_CENT_MEMORY_CD4_TCELL_DN	141	0.44717	1.572913	0.005671	0.019115	0.011127	1460
GSE40274_CTRL_VS_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP	143	0.44477	1.565856	0.005671	0.019115	0.011127	2292
GSE3203_INFLUENZA_INF_VS_IFNB_TREATED_LN_BCELL_DN	153	0.43399	1.539974	0.005672	0.019115	0.011127	1304
GSE22886_NAIVE_BCELL_VS_BLOOD_PLASMA_CELL_UP	145	0.4358	1.534996	0.005678	0.019115	0.011127	1872
GSE17974_1.5H_VS_72H_IL4_AND_ANTI_IL12_ACT_CD4_TCELL_UP	159	0.43453	1.547792	0.005679	0.019115	0.011127	2416
GSE40274_CTRL_VS_FOXP3_AND_SATB1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP	140	0.43768	1.536658	0.005685	0.019115	0.011127	2676
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_42H_DN	167	0.41883	1.506331	0.005687	0.019115	0.011127	1521
GSE40274_CTRL_VS_IRF4_TRANSDUCED_ACTIVATED_CD4_TCELL_UP	125	0.43808	1.512948	0.005692	0.019115	0.011127	1495
GSE37532_WT_VS_PPARG_KO_LN_TCONV_UP	162	0.4277	1.52508	0.005693	0.019115	0.011127	1961
GSE22886_NAIVE_BCELL_VS_MONOCYTE_UP	133	0.44589	1.561452	0.005707	0.019149	0.011147	2104
GSE22601_DOUBLE_NEGATIVE_VS_CD4_SINGLE_POSITIVE_THYMOCYTE_UP	155	0.43248	1.538696	0.005744	0.019258	0.011211	2208
GSE26495_PD1HIGH_VS_PD1LOW_CD8_TCELL_UP	136	0.44196	1.546524	0.005826	0.01952	0.011363	1451
GSE20715_0H_VS_48H_OZONE_LUNG_UP	160	0.43288	1.546173	0.005837	0.019532	0.01137	1628

GSE8868_SPLEEN_VS_INTESTINE_CD11B_POS_CD11C_N EG_DC_DN	160	0.43289	1.546193	0.005837	0.019532	0.01137	2315
GSE9650_EXHAUSTED_VS_MEMORY_CD8_TCELL_UP	164	0.41955	1.499948	0.005859	0.019592	0.011405	2230
GSE17721_CTRL_VS_PAM3CSK4_8H_BMDC_DN	159	0.43396	1.545765	0.005867	0.019603	0.011412	1975
GSE21670_STAT3_KO_VS_WT_CD4_TCELL_IL6_TREATE D_UP	154	0.42758	1.522234	0.005894	0.01968	0.011456	1742
GSE13547_CTRL_VS_ANTI_IGM_STIM_ZFX_KO_BCELL_1 2H_DN	135	0.43647	1.525727	0.00593	0.019788	0.011519	2067
GSE9037_CTRL_VS_LPS_1H_STIM_IRAK4_KO_BMDM_D	158	0.42851	1.524974	0.005953	0.019852	0.011556	1728
GSE39152_BRAIN_VS_SPLEEN_CD103_NEG_MEMORY_C D8_TCELL_UP	163	0.42345	1.510108	0.005983	0.019909	0.01159	2487
GSE12392_WT_VS_IFNB_KO_CD8A_NEG_SPLEEN_DC_D	166	0.4244	1.523147	0.005986	0.019909	0.01159	2477
GSE339_EX_VIVO_VS_IN_CULTURE_CD4POS_DC_DN	166	0.4237	1.520636	0.005986	0.019909	0.01159	1734
GSE3982_MAST_CELL_VS_DC_UP	154	0.42689	1.519782	0.005986	0.019909	0.01159	1542
GSE3982_BCELL_VS_CENT_MEMORY_CD4_TCELL_DN	160	0.43189	1.542621	0.006024	0.02002	0.011655	2455
GSE24574_BCL6_HIGH_VS_LOW_TFH_CD4_TCELL_UP	156	0.41506	1.477322	0.006054	0.020102	0.011702	2136
GSE19401_UNSTIM_VS_PAM2CSK4_STIM_FOLLICULAR_ DC_DN	167	0.41752	1.501644	0.006057	0.020102	0.011702	2391
GSE7460_FOXP3_MUT_VS_WT_ACT_WITH_TGFB_TCON V_DN	152	0.43395	1.537793	0.006085	0.020183	0.011749	1421
GSE19888_CTRL_VS_T_CELL_MEMBRANES_ACT_MAST _CELL_DN	156	-0.3296	-1.39713	0.006128	0.02031	0.011823	3182
GSE32255_UNSTIM_VS_4H_LPS_STIM_DC_DN	123	0.45267	1.566458	0.006219	0.0206	0.011992	1875
GSE37532_WT_VS_PPARG_KO_VISCERAL_ADIPOSE_TIS SUE_TREG_DN	170	0.41461	1.490345	0.006257	0.020697	0.012049	2078
GSE39820_CTRL_VS_TGFBETA3_IL6_CD4_TCELL_UP	170	0.41421	1.488899	0.006257	0.020697	0.012049	2334
GSE27859_MACROPHAGE_VS_CD11C_INT_F480_INT_DC_ DN	163	0.42186	1.504428	0.006266	0.020712	0.012057	2471
GSE13306_LAMINA_PROPRIA_VS_SPLEEN_TREG_UP	165	0.4167	1.492507	0.006312	0.020837	0.01213	1781
GSE37301_LYMPHOID_PRIMED_MPP_VS_GRAN_MONO_ PROGENITOR_UP	165	0.41662	1.492235	0.006312	0.020837	0.01213	1913
GSE2706_LPS_VS_R848_AND_LPS_8H_STIM_DC_UP	153	0.43257	1.534944	0.006328	0.020876	0.012152	2347
GSE26928_EFF_MEM_VS_CENTR_MEM_CD4_TCELL_UP	143	0.44251	1.557897	0.006338	0.020895	0.012164	1498
GSE7831_UNSTIM_VS_INFLUENZA_STIM_PDC_1H_UP	154	0.42527	1.514016	0.006358	0.020946	0.012193	1998
GSE17721_CPG_VS_GARDIQUIMOD_12H_BMDC_UP	168	0.41821	1.504955	0.006419	0.021128	0.0123	2333

GSE7460_CTRL_VS_TGFB_TREATED_ACT_FOXP3_MUT_TCONV_UP	161	0.42202	1.505551	0.006422	0.021128	0.0123	1757
GSE411_UNSTIM_VS_100MIN_IL6_STIM_MACROPHAGE_UP	159	0.43281	1.541679	0.00643	0.021141	0.012307	2801
GSE360_CTRL_VS_L_DONOVANI_DC_UP	157	0.43334	1.5434	0.006516	0.021408	0.012462	1424
GSE11961_GERMINAL_CENTER_BCELL_DAY7_VS_PLASMA_CELL_DAY7_UP	162	0.42606	1.519219	0.00654	0.021449	0.012486	2540
GSE7852_LN_VS_THYMUS_TCONV_UP	162	0.42569	1.51792	0.00654	0.021449	0.012486	1557
GSE26030_UNSTIM_VS_RESTIM_TH17_DAY5_POST_POLARIZATION_UP	140	0.43525	1.52814	0.006545	0.021449	0.012486	1913
GSE3565_DUSP1_VS_WT_SPLENOCYTES_DN	140	0.43478	1.526478	0.006545	0.021449	0.012486	2155
GSE43955_10H_VS_60H_ACT_CD4_TCELL_DN	173	0.41143	1.487174	0.00663	0.021711	0.012639	1944
GSE10239_KLRG1INT_VS_KLRG1HIGH_EFF_CD8_TCELL_UP	159	-0.3327	-1.41579	0.006657	0.021784	0.012681	1846
GSE21063_WT_VS_NFATC1_KO_3H_ANTI_IGM_STIM_BCELL_UP	160	0.42954	1.534247	0.006678	0.021839	0.012713	2224
GSE28783_ANTI_MIR33_VS_UNTREATED_ATHEROSCLEROSIS_MACROPHAGE_UP	164	0.41658	1.489342	0.006703	0.021907	0.012753	1720
GSE19941_UNSTIM_VS_LPS_AND_IL10_STIM_IL10_KO_NFKBP50_KO_MACROPHAGE_DN	156	0.41317	1.470577	0.006711	0.02192	0.012761	1804
GSE17721_LPS_VS_PAM3CSK4_4H_BMDC_UP	171	0.40896	1.475126	0.006763	0.022073	0.01285	2752
GSE17721_CPG_VS_GARDIQUIMOD_6H_BMDC_UP	168	0.41697	1.500512	0.006788	0.022126	0.01288	2439
GSE3982_CENT_MEMORY_CD4_TCELL_VS_TH1_DN	168	0.41719	1.501285	0.006788	0.022126	0.01288	2107
GSE22611_NOD2_TRANSDUCED_VS_CTRL_HEK293T_STIMULATED_WITH_MDP_2H_UP	157	0.43223	1.539442	0.006797	0.02214	0.012888	2149
GSE9509_10MIN_VS_30MIN_LPS_STIM_IL10_KO_MACROPHAGE_DN	141	0.44247	1.556365	0.006815	0.022183	0.012914	2119
GSE18281_MEDULLARY_THYMOCYTE_VS_WHOLE_MEDULLA_THYMUS_UP	140	0.43387	1.523276	0.006832	0.022214	0.012932	1726
GSE36891_POLYIC_TLR3_VS_PAM_TLR2_STIM_PERITONEAL_MACROPHAGE_DN	131	0.44907	1.565646	0.006833	0.022214	0.012932	2008
GSE20715_0H_VS_6H_OZONE_LUNG_DN	162	0.42404	1.512018	0.006917	0.022427	0.013055	1972
GSE24634_NAIVE_CD4_TCELL_VS_DAY3_IL4_CONV_TREG_UP	162	0.42395	1.511708	0.006917	0.022427	0.013055	2095

GSE28737_FOLLICULAR_VS_MARGINAL_ZONE_BCELL_BCL6_HET_UP	162	0.42451	1.513712	0.006917	0.022427	0.013055	2684
GSE3982_EOSINOPHIL_VS_BASOPHIL_UP	162	0.42468	1.51433	0.006917	0.022427	0.013055	1502
GSE3920_IFNA_VS_IFNB_TREATED_ENDOTHELIAL_CELL_UP	144	0.431	1.517986	0.006996	0.02267	0.013197	2335
GSE19825_NAIVE_VS_IL2RAHIGH_DAY3_EFF_CD8_TCELL_UP	162	0.42341	1.509799	0.007011	0.022698	0.013213	1889
GSE24574_BCL6_HIGH_TFH_VS_TFH_CD4_TCELL_UP	150	0.43304	1.530725	0.007014	0.022698	0.013213	1834
GSE42724_B1_BCELL_VS_PLASMABLAST_UP	155	-0.3369	-1.42405	0.007056	0.022819	0.013283	3395
GSE24142_ADULT_VS_FETAL_EARLY_THYMIC_PROGENITOR_UP	157	0.43098	1.534998	0.007078	0.022875	0.013316	1961
GSE27786_BCELL_VS_NKCELL_DN	169	0.40965	1.472699	0.0071	0.022931	0.013349	2147
GSE46242_TH1_VS_ANERGIC_TH1_CD4_TCELL_UP	144	0.4308	1.517288	0.007282	0.023502	0.013681	1728
GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_6H_UP	143	0.43816	1.542567	0.007291	0.023517	0.01369	1781
GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_48H_UP	144	0.43055	1.516387	0.007377	0.023778	0.013842	2363
GSE360_T_GONDII_VS_B_MALAYI_LOW_DOSE_DC_DN	167	0.415	1.492567	0.007444	0.023977	0.013958	1718
GSE17301_CTRL_VS_48H_IFNA2_STIM_CD8_TCELL_UP	157	0.42952	1.529812	0.007453	0.023992	0.013966	2819
GSE12366_NAIVE_VS_MEMORY_BCELL_UP	138	0.4358	1.525375	0.007473	0.024039	0.013994	1777
GSE3982_MAST_CELL_VS_EFF_MEMORY_CD4_TCELL_UP	162	0.42252	1.506625	0.007481	0.024051	0.014001	2579
GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LINE_12H_IFNA_STIM_UP	160	0.42742	1.526675	0.007518	0.024155	0.014061	2336
GSE3982_DC_VS_BASOPHIL_UP	168	0.41513	1.493872	0.007619	0.024463	0.01424	1342
GSE14415_NATURAL_TREG_VS_FOXP3_KO_NATURAL_TREG_DN	133	0.43957	1.53933	0.007722	0.024776	0.014423	2592
GSE27786_LSK_VS_MONO_MAC_UP	153	-0.3341	-1.41614	0.007752	0.024856	0.014469	3307
GSE2770_UNTREATED_VS_ACT_CD4_TCELL_6H_UP	152	0.42927	1.521205	0.007783	0.024941	0.014519	2722
GSE3565_DUSP1_VS_WT_SPLENOCYTES_POST_LPS_INJECTION_DN	126	0.43322	1.502201	0.007797	0.024968	0.014534	2126
GSE22611_NOD2_VS_MUTANT_NOD2_TRANSDUCEDK293T_CELL_DN	150	0.43114	1.524002	0.007873	0.025196	0.014667	2064
GSE15271_CXCR4_POS_VS_NEG_GC_BCELL_DN	133	0.43905	1.5375	0.007914	0.025309	0.014733	1971
GSE13411_IGM_MEMORY_BCELL_VS_PLASMA_CELL_UP	156	0.4104	1.460731	0.007932	0.025346	0.014755	1652

GSE37301_RAG2_KO_VS_RAG2_AND_ETS1_KO_NK_CEL L_UP	169	0.40693	1.462936	0.007936	0.025346	0.014755	2094
GSE2405_0H_VS_6H_A_PHAGOCYTOPHILUM_STIM_NEU TROPIL_DN	150	0.43087	1.52304	0.008064	0.02574	0.014984	1850
GSE41867_DAY8_EFFECTOR_VS_DAY30_EXHAUSTED_C D8_TCELL_LCMV_CLONE13_DN	165	0.40774	1.460421	0.008089	0.025803	0.015021	2518
GSE18804_BRAIN_VS_COLON_TUMORAL_MACROPHAG E_UP	157	0.42768	1.523235	0.008109	0.025851	0.015049	1415
GSE42088_UNINF_VS_LEISHMANIA_INF_DC_4H_DN	154	0.42227	1.503352	0.008121	0.025872	0.015061	1414
GSE17721_0.5H_VS_24H_GARDIQUIMOD_BMDC_DN	162	0.42032	1.498769	0.00814	0.025915	0.015086	2439
GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_TREA TED_MACROPHAGE_DN	130	0.43071	1.503693	0.008169	0.02599	0.015129	1110
GSE20715_0H_VS_24H_OZONE_TLR4_KO_LUNG_UP	167	0.4129	1.485027	0.008183	0.02602	0.015147	2180
GSE17721_CTRL_VS_GARDIQUIMOD_8H_BMDC_DN	171	0.40449	1.459	0.008235	0.026167	0.015232	2786
GSE21546_WT_VS_SAPIA_KO_AND_ELK1_KO_DP_THY MOCYTES_DN	152	0.42806	1.516918	0.008255	0.026213	0.01526	2463
GSE17721_4_VS_24H_CPG_BMDC_UP	168	0.41347	1.487895	0.008266	0.02623	0.015269	2192
GSE2770_TGFB_AND_IL4_VS_TGFB_AND_IL12_TREATE D_ACT_CD4_TCELL_6H_DN	167	0.41253	1.483699	0.008276	0.026246	0.015279	2699
GSE2585_AIRE_KO_VS_WT_CD80_LOW_MTEC_DN	161	0.41617	1.484666	0.008297	0.026295	0.015307	1849
GSE17721_CTRL_VS_CPG_0.5H_BMDC_DN	156	0.40967	1.458121	0.008307	0.026311	0.015317	1728
HALLMARK_MTORC1_SIGNALING	171	0.40442	1.458773	0.008327	0.026357	0.015343	1654
GSE11961_MEMORY_BCELL_DAY7_VS_GERMINAL_CEN TER_BCELL_DAY7_DN	161	0.41605	1.484248	0.00839	0.026541	0.01545	2580
GSE43700_UNTREATED_VS_IL10_TREATED_PBMC_UP	159	0.42561	1.516016	0.008401	0.026557	0.01546	1625
GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_DN	149	0.4304	1.521404	0.008424	0.026613	0.015492	1248
GSE6259_BCELL_VS_CD8_TCELL_DN	150	0.42896	1.516317	0.008446	0.026664	0.015522	2367
GSE15330_WT_VS_IKAROS_KO_HSC_UP	151	0.4261	1.509429	0.008476	0.026742	0.015568	2617
GSE3982_MAC_VS_BCELL_UP	169	0.40526	1.456913	0.008492	0.026777	0.015588	2045
GSE7852_TREG_VS_TCONV_UP	166	0.41718	1.497218	0.008585	0.027053	0.015748	2824
GSE22025_UNTREATED_VS_PROGESTERONE_TREATED _CD4_TCELL_UP	155	0.41849	1.488928	0.008639	0.027205	0.015837	2336
GSE17721_POLYIC_VS_GARDIQUIMOD_12H_BMDC_UP	169	0.40443	1.453938	0.008678	0.02731	0.015898	1317
GSE22611_UNSTIM_VS_6H_MDP_STIM_NOD2_TRANSDU CED_HEK293T_CELL_DN	152	0.42752	1.515014	0.008727	0.027446	0.015977	1597

GSE17721_ALL_VS_24H_PAM3CSK4_BMDC_DN	167	0.41057	1.476652	0.008831	0.027755	0.016157	2359
GSE17974_0.5H_VS_72H_IL4_AND_ANTI_IL12_ACT_CD4_TCELL_UP	157	0.42666	1.519602	0.008859	0.02782	0.016195	2327
GSE17721_LPS_VS_POLYIC_8H_BMDC_DN	166	0.41663	1.49524	0.008864	0.02782	0.016195	2138
GSE16385_IFNG_TNF_VS_IL4_STIM_MACROPHAGE_ROSI_GLITAZONE_TREATED_UP	131	0.44423	1.548776	0.008868	0.02782	0.016195	1988
GSE22886_DAY1_VS_DAY7_MONOCYTE_IN_CULTURE_DN	166	-0.3114	-1.33798	0.008891	0.027873	0.016226	2721
GSE21927_SPLEEN_VS_C26GM_TUMOR_MONOCYTE_BALBC_UP	120	0.44544	1.540191	0.008926	0.027967	0.016281	1704
GSE12392_CD8A_POS_VS_NEG_SPLEEN_IFNB_KO_DC_UP	161	0.41495	1.480324	0.008953	0.028032	0.016318	2144
GSE7764_IL15_TREATED_VS_CTRL_NK_CELL_24H_DN	149	0.42928	1.517439	0.008995	0.028146	0.016385	2568
GSE27786_CD8_TCELL_VS_NKCELL_DN	157	0.42625	1.518142	0.009047	0.028273	0.016459	2851
GSE26912_TUMORICIDAL_VS_CTRL_MACROPHAGE_DN	169	0.40384	1.451829	0.009049	0.028273	0.016459	1170
GSE7460_FOXP3_MUT_VS_HET_ACT_TCONV_UP	142	0.42677	1.49919	0.009053	0.028273	0.016459	1945
GSE40274_CTRL_VS_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_DN	113	0.43249	1.483716	0.009072	0.028313	0.016482	1802
GSE12366_PLASMA_CELL_VS_NAIVE_BCELL_UP	146	0.42576	1.503491	0.00909	0.028354	0.016506	2672
GSE17721_LPS_VS_GARDIQUIMOD_8H_BMDC_UP	167	0.40869	1.46988	0.009108	0.028391	0.016527	2716
GSE1925_3H_VS_24H_IFNG_STIM_MACROPHAGE_UP	157	0.42607	1.517523	0.00914	0.028461	0.016568	1914
GSE17721_LPS_VS_GARDIQUIMOD_6H_BMDC_UP	166	0.41637	1.494314	0.009142	0.028461	0.016568	2347
KAECH_DAY15_EFF_VS_MEMORY_CD8_TCELL_DN	163	0.4134	1.474275	0.009187	0.028582	0.016639	2438
GSE27670_CTRL_VS_BLIMP1_TRANSDUCED_GC_BCELL_DN	167	0.40779	1.466648	0.009293	0.028894	0.01682	2003
GSE41867_LCMV_ARMSTRONG_VS_CLONE13_DAY6_EFFECTOR_CD8_TCELL_DN	163	-0.3195	-1.37098	0.009346	0.029042	0.016906	3917
GSE32986_GMCSF_VS_GMCSF_AND_CURDLAN_LOWDOSE_STIM_DC_UP	167	0.40767	1.466193	0.009385	0.029145	0.016966	2422
GSE16522_MEMORY_VS_NAIVE_ANTI_CD3CD28_STIM_CD8_TCELL_DN	162	0.41709	1.487243	0.009457	0.02935	0.017086	2155
GSE21063_WT_VS_NFATC1_KO_BCELL_UP	153	0.42386	1.504038	0.009515	0.029493	0.017169	1867
GSE46606_IRF4HIGH_VS_WT_CD40L_IL2_IL5_DAY3_STIMULATED_BCELL_DN	157	0.42543	1.515219	0.009515	0.029493	0.017169	1353
GSE20715_WT_VS_TLR4_KO_48H_OZONE_LUNG_UP	168	0.41013	1.475903	0.009559	0.029592	0.017226	1922

GSE23114_PERITONEAL_CAVITY_B1A_BCELL_VS_SPLE EN_BCELL_DN	168	0.41005	1.475605	0.009559	0.029592	0.017226	2282
GSE39152_CD103_NEG_VS_POS_MEMORY_CD8_TCELL_ UP	169	0.40228	1.446224	0.009607	0.029721	0.017302	2021
GSE16385_MONOCYTE_VS_MACROPHAGE_UP	160	0.42183	1.506689	0.009667	0.029883	0.017396	2361
GSE14699_NAIVE_VS_ACT_CD8_TCELL_DN	141	0.43687	1.536679	0.009674	0.029883	0.017396	1804
GSE17974_0H_VS_6H_IN_VITRO_ACT_CD4_TCELL_UP	132	0.44038	1.539389	0.009678	0.029883	0.017396	1890
GSE7764_NKCELL_VS_SPLENOCYTE_UP	158	0.41881	1.490454	0.009704	0.029945	0.017432	2343
GSE17721_POLYIC_VS_CPG_4H_BMDC_DN	156	0.40724	1.449475	0.009716	0.029964	0.017443	2392
GSE17721_PAM3CSK4_VS_CPG_6H_BMDC_DN	162	0.41561	1.481974	0.009741	0.029983	0.017454	2028
GSE36476_CTRL_VS_TSST_ACT_16H_MEMORY_CD4_TC ELL_OLD_DN	162	0.4155	1.481584	0.009741	0.029983	0.017454	2046
GSE9650_EFFECTOR_VS_EXHAUSTED_CD8_TCELL_DN	162	0.41592	1.483094	0.009741	0.029983	0.017454	2230
GSE36078_UNTREATED_VS_AD5_INF_MOUSE_LUNG_DC UP	154	0.41879	1.490972	0.009794	0.030128	0.017538	1344
GSE30962_PRIMARY_VS_SECONDARY_CHRONIC_LCMV _INF_CD8_TCELL_DN	161	0.41234	1.470997	0.009892	0.030412	0.017704	1281
GSE39556_CD8A_DC_VS_NK_CELL_UP	162	0.41542	1.481298	0.00993	0.030508	0.01776	2220
GSE3337_CTRL_VS_4H_IFNG_IN_CD8POS_DC_UP	148	0.43444	1.528919	0.009942	0.030526	0.01777	2114
GSE3982_MAST_CELL_VS_BCELL_DN	151	0.42288	1.498019	0.009993	0.030664	0.017851	2168
GSE41978_ID2_KO_AND_BIM_KO_VS_BIM_KO_KLRG1_L OW_EFFECTOR_CD8_TCELL_DN	165	0.40378	1.446241	0.010055	0.030822	0.017943	1648
GSE25088_CTRL_VS_IL4_STIM_MACROPHAGE_UP	143	0.4305	1.515621	0.010057	0.030822	0.017943	2132
GSE2770_IL4_ACT_VS_ACT_CD4_TCELL_2H_DN	162	0.41454	1.478165	0.010119	0.030993	0.018042	2237
GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_18H_UP	141	-0.3308	-1.3764	0.010139	0.031034	0.018066	2980
GSE22935_UNSTIM_VS_12H_MBOVIS_BCG_STIM_MYD88 _KO_MACROPHAGE_UP	166	0.41333	1.483397	0.010167	0.0311	0.018105	1886
GSE22601_IMMATURE_CD4_SINGLE_POSITIVE_VS_DOU BLE_POSITIVE_THYMOCYTE_UP	138	0.42916	1.502142	0.010174	0.031104	0.018107	1420
GSE45365_CD8A_DC_VS_CD11B_DC_UP	160	0.42101	1.50378	0.01023	0.031242	0.018187	1704
GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_CD8_TCELL _DN	164	-0.3129	-1.34345	0.010238	0.031242	0.018187	3839
GSE17721_POLYIC_VS_PAM3CSK4_2H_BMDC_DN	174	0.39788	1.437821	0.010238	0.031242	0.018187	2621
GSE23321_CD8_STEM_CELL_MEMORY_VS_EFFECTOR_ MEMORY_CD8_TCELL_DN	161	0.41153	1.468129	0.010269	0.031297	0.018219	1712

GSE30962_ACUTE_VS_CHRONIC_LCMV_SECONDARY_I NF_CD8_TCELL_UP	158	0.41799	1.487544	0.010269	0.031297	0.018219	2276
GSE9650_EXHAUSTED_VS_MEMORY_CD8_TCELL_DN	154	0.41732	1.485734	0.010353	0.031534	0.018357	2065
GSE8621_UNSTIM_VS_LPS_PRIMED_AND_LPS_STIM_MA CROPHAGE_DN	151	0.42172	1.493916	0.010374	0.031576	0.018382	2795
GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_NFKB P50_KO_MACROPHAGE_DN	160	0.41961	1.498794	0.010418	0.031692	0.018449	2881
GSE3337_CTRL_VS_16H_IFNG_IN_CD8POS_DC_DN	157	0.42214	1.503527	0.010458	0.031789	0.018505	2104
GSE6566_STRONG_VS_WEAK_DC_STIMULATED_CD4_T CELL_DN	128	0.43232	1.503152	0.010463	0.031789	0.018505	2208
GSE17721_LPS_VS_CPG_4H_BMDC_UP	176	0.39718	1.438812	0.010568	0.032089	0.01868	2347
GSE19923_WT_VS_E2A_KO_DP_THYMOCYTE_UP	165	0.40246	1.441519	0.010619	0.032212	0.018752	1477
GSE45837_WT_VS_GFII1_KO_PDC_DN	167	-0.3135	-1.34687	0.010622	0.032212	0.018752	3197
GSE17721_LPS_VS_CPG_16H_BMDC_UP	162	0.41335	1.473905	0.010686	0.032368	0.018843	1981
GSE7568_IL4_TGFB_DEXAMETHASONE_VS_IL4_TGFB_T REATED_MACROPHAGE_DN	139	0.42921	1.504801	0.010686	0.032368	0.018843	2101
GSE9509_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACR OPHAGE_20MIN_DN	150	0.42334	1.496434	0.010837	0.032797	0.019092	2046
GSE1432_6H_VS_24H_IFNG_MICROGLIA_UP	159	0.4216	1.501758	0.010848	0.032797	0.019092	1729
GSE32423_IL7_VS_IL7_IL4_NAIVE_CD8_TCELL_UP	156	0.40413	1.438412	0.010848	0.032797	0.019092	778
GSE13522_CTRL_VS_T_CRUZI_G_STRAIN_INF_SKIN_UP	167	0.40474	1.455652	0.010872	0.03285	0.019123	2598
GSE11057_CD4_EFF_MEM_VS_PBMC_UP	157	0.42119	1.500126	0.011023	0.033285	0.019376	1894
GSE18893_TCONV_VS_TREG_24H_CULTURE_UP	168	0.40593	1.460772	0.011044	0.033329	0.019402	1622
GSE37534_GW1929_VS_PIOGLITAZONE_TREATED_CD4_ TCELL_PPARG1_FOXP3_TRANSDUCE_DN	162	0.41264	1.471383	0.011065	0.03335	0.019414	1999
GSE3982_BCELL_VS_NKCELL_UP	162	0.41273	1.471714	0.011065	0.03335	0.019414	1785
GSE33425_CD161_INT_VS_NEG_CD8_TCELL_UP	163	0.4104	1.463562	0.011079	0.033371	0.019427	3047
GSE24142_DN2_VS_DN3_THYMOCYTE_DN	170	0.40159	1.443519	0.011086	0.033372	0.019427	2060
GSE17721_CPG_VS_GARDIQUIMOD_24H_BMDC_DN	170	0.40141	1.44287	0.011272	0.033912	0.019741	1921
GSE37605_C57BL6_VS_NOD_FOXP3_IRES_GFP_TCONV_ UP	114	0.43922	1.511589	0.011471	0.034489	0.020077	1407
GSE25088_WT_VS_STAT6_KO_MACROPHAGE_UP	138	-0.3276	-1.37288	0.011513	0.034596	0.020139	2771
GSE41867_NAIVE_VS_DAY6_LCMV_EFFECTOR_CD8_TC ELL_DN	155	0.41323	1.47023	0.011544	0.034668	0.020182	2010

GSE17186_BLOOD_VS_CORD_BLOOD_CD21HIGH_TRANSITIONAL_BCELL_UP	164	0.40694	1.454878	0.011588	0.034736	0.020221	2829
GSE22229_RENAL_TRANSPLANT_IMMUNOSUPP_THERAPY_VS_HEALTHY_PBMC_DN	164	0.40756	1.457059	0.011588	0.034736	0.020221	2350
GSE43863_NAIVE_VS_MEMORY_TFH_CD4_TCELL_D150_LCMV_DN	164	0.40694	1.454876	0.011588	0.034736	0.020221	1933
GSE40274_CTRL_VS_IRF4_TRANSDUCE_ACTIVATED_CD4_TCELL_DN	137	0.42799	1.493472	0.011636	0.034859	0.020293	2297
GSE19941_UNSTIM_VS_LPS_STIM_IL10_KO_MACROPHAGE_UP	148	0.43035	1.514495	0.011679	0.034966	0.020355	2559
GSE46606_UNSTIM_VS_CD40L_IL2_IL5_3DAY_STIMULATED_IRF4_KO_BCELL_UP	120	-0.3457	-1.41659	0.011699	0.035006	0.020378	3490
GSE39916_B_CELL_SPLEEN_VS_PLASMA_CELL_BONE_MARROW_UP	150	0.42108	1.488459	0.011796	0.035273	0.020534	2391
GSE13522_WT_VS_IFNG_KO_SKIN_DN	96	0.45977	1.539056	0.012022	0.035914	0.020907	2741
GSE22935_WT_VS_MYD88_KO_MACROPHAGE_24H_MBOVIS_BCG_STIM_DN	163	0.40781	1.454332	0.012025	0.035914	0.020907	2069
GSE17721_12H_VS_24H_CPG_BMDC_UP	169	0.39857	1.432887	0.012032	0.035914	0.020907	1792
GSE3920_UNTREATED_VS_IFNG_TREATED_ENDOTHELIAL_CELL_UP	126	0.42463	1.472426	0.012122	0.036161	0.021051	1675
GSE15324_ELF4_KO_VS_WT_NAIVE_CD8_TCELL_UP	150	0.41956	1.483072	0.01218	0.03631	0.021137	1959
GSE21360_SECONDARY_VS_TERTIARY_MEMORY_CD8_TCELL_DN	133	0.43044	1.507353	0.012242	0.036475	0.021233	1640
GSE17322_CD103_POS_VS_CD11B_HIGH_LUNG_DC_DN	154	-0.3269	-1.38115	0.012314	0.036667	0.021345	2790
GSE27786_NKCELL_VS_NKTCELL_UP	167	0.40155	1.444177	0.012359	0.036778	0.02141	2249
GSE2405_HEAT_KILLED_LYSATE_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_9H_DN	160	0.41671	1.488407	0.012671	0.037683	0.021936	2199
GSE36888_UNTREATED_VS_IL2_TREATED_TCELL_2H_UP	153	0.41862	1.485446	0.012719	0.037802	0.022006	2022
GSE3982_MAC_VS_EFF_MEMORY_CD4_TCELL_DN	150	0.41874	1.480159	0.012755	0.037888	0.022056	2139
GSE39820_CTRL_VS_TGFBETA1_IL6_CD4_TCELL_DN	166	0.41116	1.47562	0.012778	0.037934	0.022083	2240
GSE27786_BCELL_VS_NKTCELL_DN	153	0.41801	1.483288	0.012907	0.038293	0.022292	1808
GSE17186_CD21LOW_VS_CD21HIGH_TRANSITIONAL_BCELL_UP	156	0.40254	1.43275	0.012923	0.038295	0.022293	2140
GSE22935_UNSTIM_VS_24H_MBOVIS_BCG_STIM_MYD88_KO_MACROPHAGE_DN	159	0.41861	1.491098	0.012923	0.038295	0.022293	1720

GSE15733_BM_VS_SPLEEN_MEMORY_CD4_TCELL_DN	169	0.39716	1.4278	0.012965	0.038395	0.022351	2460
GSE17721_LPS_VS_CPG_12H_BMDC_DN	164	0.40436	1.445648	0.013095	0.038735	0.022549	2060
GSE7460_CD8_TCELL_VS_TREG_ACT_UP	158	0.4131	1.470121	0.013095	0.038735	0.022549	1308
GSE21063_3H_VS_16H_ANTI_IGM_STIM_NFATC1_KOBC ELL_UP	166	0.41071	1.473993	0.013151	0.038877	0.022632	3205
GSE2770_UNTREATED_VS_TGFB_AND_IL4_TREATED_A CT_CD4_TCELL_2H_DN	152	0.41739	1.479086	0.013178	0.038934	0.022665	2237
GSE22443_NAIVE_VS_ACT_AND_IL2_TREATED_CD8_TC ELL_DN	160	0.41535	1.483547	0.013234	0.039074	0.022746	2271
GSE29615_DAY3_VS_DAY7_LAIV_FLU_VACCINE_PBM C_DN	134	0.42164	1.473779	0.013469	0.039744	0.023136	2182
GSE21546_WT_VS_SAPIA_KO_ANTI_CD3_STIM_DP_THY MOCYTES_UP	162	0.40823	1.455657	0.013523	0.039881	0.023216	2047
GSE4984_UNTREATED_VS_GALECTIN1_TREATED_DC_D N	142	0.42073	1.477997	0.013574	0.040008	0.02329	1899
GSE16697_CD4_TCELL_VS_TFH_CD4_TCELL_UP	160	0.41499	1.482262	0.013609	0.040087	0.023336	2704
GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IFNAB_CD8_ TCELL_DN	160	-0.3182	-1.35681	0.01364	0.040153	0.023374	3658
GSE21927_C26GM_VS_4T1_TUMOR_MONOCYTE_BALBC _UP	156	0.40094	1.427061	0.013678	0.040241	0.023425	2231
GSE14699_NAIVE_VS_DELETIONAL_TOLERANCE_CD8_T CELL_UP	126	0.42181	1.462648	0.013699	0.04027	0.023443	2053
GSE13306_TREG_VS_TCONV_SPLEEN_UP	162	0.40749	1.453009	0.013712	0.04027	0.023443	2135
GSE17721_POLYIC_VS_CPG_1H_BMDC_DN	162	0.40785	1.454312	0.013712	0.04027	0.023443	2068
GSE36476_YOUNG_VS_OLD_DONOR_MEMORY_CD4_TC ELL_72H_TSST_ACT_UP	160	0.41466	1.481104	0.013797	0.040494	0.023573	1272
GSE45739_NRAS_KO_VS_WT_UNSTIM_CD4_TCELL_DN	145	0.41545	1.463352	0.013906	0.040789	0.023745	3037
GSE21927_SPLEEN_VS_TUMOR_MONOCYTE_C57BL6_UP	133	0.42824	1.499639	0.013978	0.040972	0.023851	1218
GSE17301_IFNA2_VS_IFNA5_STIM_ACD3_ACD28_ACT_C D8_TCELL_UP	160	0.41414	1.479238	0.013985	0.040972	0.023851	2274
GSE46606_IRF4HIGH_VS_WT_CD40L_IL2_IL5_DAY1_STI MULATED_BCELL_DN	168	0.40106	1.443249	0.014014	0.041034	0.023887	2285
GSE17721_CTRL_VS_POLYIC_8H_BMDC_DN	177	0.40355	1.464543	0.014174	0.041478	0.024146	2034
GSE339_EX_VIVO_VS_IN_CULTURE_CD4CD8DN_DC_DN	165	0.39763	1.424209	0.01419	0.0415	0.024158	2028

GSE43863_TH1_VS_LY6C_INT_CXCR5POS_EFFECTOR_CD4_TCELL_DN	153	0.41666	1.478493	0.014226	0.04158	0.024205	2971
GSE30083_SP1_VS_SP3_THYMOCYTE_UP	156	0.40011	1.424107	0.014244	0.041583	0.024207	2490
GSE3982_MEMORY_CD4_TCELL_VS_TH1_DN	173	0.39664	1.433714	0.014244	0.041583	0.024207	3577
GSE10240_CTRL_VS_IL17_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_DN	149	0.41992	1.484352	0.014253	0.041584	0.024208	1159
GSE2585_CTEC_VS_THYMIC_MACROPHAGE_UP	152	0.41344	1.465102	0.014316	0.041744	0.024301	2017
GSE17721_LPS_VS_PAM3CSK4_12H_BMDC_UP	164	0.40294	1.440567	0.014414	0.041981	0.024438	2398
GSE37605_C57BL6_VS_NOD_FOXP3_IRES_GFP_TREG_DN	164	0.40287	1.440299	0.014414	0.041981	0.024438	2037
GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_2H_CD4_TCELL_UP	134	0.41891	1.464247	0.014438	0.042023	0.024463	1666
GSE17721_LPS_VS_CPG_8H_BMDC_UP	164	0.40259	1.439301	0.014603	0.042479	0.024729	2381
GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_48H_UP	149	0.41932	1.482233	0.014636	0.042549	0.024769	2034
GSE30971_WBP7_HET_VS_KO_MACROPHAGE_UP	150	0.41665	1.472772	0.014673	0.042633	0.024818	2013
GSE26030_UNSTIM_VS_RESTIM_TH1_DAY15_POST_POLARIZATION_UP	165	0.39699	1.421916	0.014754	0.04284	0.024939	2799
GSE36888_UNTREATED_VS_IL2_TREATED_STAT5_AB_KNOCKIN_TCELL_6H_DN	163	-0.3121	-1.33898	0.014762	0.04284	0.024939	2037
GSE43863_TH1_VS_LY6C_INT_CXCR5POS_MEMORY_CD4_TCELL_UP	161	0.40476	1.443976	0.014791	0.0429	0.024974	1996
GSE37416_CTRL_VS_12H_F_TULARENSIS_LVS_NEUTROPHIL_DN	156	0.39966	1.422513	0.01481	0.042929	0.024991	3349
GSE1460_DP_THYMOCYTE_VS_NAIVE_CD4_TCELL_CORD_BLOOD_DN	154	0.41089	1.46284	0.01483	0.042938	0.024995	2451
GSE43863_NAIVE_VS_MEMORY_LY6C_INT_CXCR5POS_CD4_TCELL_D150_LCMV_UP	166	0.40827	1.46523	0.01483	0.042938	0.024995	2291
GSE7460_WT_VS_FOXP3_HET_ACT_WITH_TGFB_TCONV_DN	150	0.41581	1.469824	0.014865	0.043013	0.025039	2808
GSE17721_POLYIC_VS_GARDIQUIMOD_8H_BMDC_UP	167	0.39627	1.425209	0.014961	0.043265	0.025186	2144
GSE30083_SP1_VS_SP2_THYMOCYTE_UP	161	0.40372	1.440249	0.01498	0.043294	0.025203	1116
GSE45365_HEALTHY_VS_MCMV_INFECTION_CD11B_DC_IFNAR_KO_DN	136	0.4199	1.469316	0.014999	0.043326	0.025221	2190
GSE3982_MAC_VS_BCELL_DN	144	0.41685	1.468155	0.015018	0.043354	0.025238	2368
GSE24210_IL35_TREATED_VS_RESTING_TREG_UP	153	0.41481	1.471936	0.015168	0.04371	0.025445	2218

GSE26290_WT_VS_PDK1_KO_ANTI_CD3_AND_IL2_STIM_CD8_TCELL_UP	158	0.41031	1.4602	0.015168	0.04371	0.025445	2947
GSE40273_XBP1_KO_VS_WT_TREG_DN	153	0.41467	1.471422	0.015168	0.04371	0.025445	2053
GSE13306_TREG_VS_TCONV_SPLEEN_DN	156	0.39882	1.419513	0.015187	0.043714	0.025447	2095
GSE30962_ACUTE_VS_CHRONIC_LCMV_SECONDARY_I_NF_CD8_TCELL_DN	159	0.4141	1.475028	0.015187	0.043714	0.025447	2485
GSE30153_LUPUS_VS_HEALTHY_DONOR_BCELL_DN	146	0.41	1.447858	0.015209	0.043753	0.02547	1692
GSE20366_CD103_KLRG1_DP_VS_DN_TREG_DN	162	0.40615	1.448248	0.015226	0.043758	0.025473	2675
GSE23114_PERITONEAL_CAVITY_B1A_BCELL_VS_SPLEEN_BCELL_IN_SLE2C1_MOUSE_DN	143	0.41922	1.475916	0.015229	0.043758	0.025473	2013
GSE12198_CTRL_VS_LOW_IL2_STIM_NK_CELL_UP	168	0.39972	1.438416	0.015313	0.043962	0.025592	1951
GSE17721_CPG_VS_GARDIQUIMOD_IH_BMDC_UP	165	0.39584	1.417806	0.015318	0.043962	0.025592	2170
GSE24671_CTRL_VS_BAKIMULC_INFECTED_MOUSE_SPLENOCYTES_UP	161	0.40299	1.437662	0.015356	0.044047	0.025641	1816
GSE32986_CURDLAN_LOWDOSE_VS_GMCSF_AND_CURDLAN_LOWDOSE_STIM_DC_DN	159	0.41363	1.473356	0.015376	0.044077	0.025659	2871
GSE360_CTRL_VS_T_GONDII_DC_UP	166	0.40683	1.46009	0.01539	0.044091	0.025667	2256
GSE45365_NK_CELL_VS_BCELL_MCMV_INFECTION_DN	151	0.4125	1.461275	0.015513	0.044417	0.025857	2021
GSE27241_WT_CTRL_VS_DIGOXIN_TREATED_RORGT_KO_CD4_TCELL_IN_TH17_POLARIZING_CONDITIONS_UP	141	0.4263	1.499483	0.015612	0.044676	0.026007	3002
GSE3982_BCELL_VS_TH2_DN	165	0.39462	1.413421	0.015694	0.044884	0.026128	1638
GSE14415_FOXP3_KO_NATURAL_TREG_VS_TCONV_UP	145	0.41137	1.448962	0.015824	0.045229	0.02633	2038
GSE3920_IFNA_VS_IFNG_TREATED_ENDOTHELIAL_CELL_UP	135	0.41425	1.448034	0.015988	0.045672	0.026587	1913
GSE9601_UNTREATED_VS_NFKB_INHIBITOR_TREATED_HCMV_INF_MONOCYTE_UP	131	0.43007	1.49943	0.016071	0.045883	0.02671	2087
GSE25087_FETAL_VS_ADULT_TCONV_UP	153	0.41314	1.465994	0.01611	0.045968	0.026759	2542
GSE22432_CDC_VS_COMMON_DC_PROGENITOR_UP	159	0.41243	1.469066	0.01613	0.045972	0.026762	3005
GSE40068_BCL6_POS_VS_NEG_CXCR5_POS_TFH_DN	159	0.4125	1.469323	0.01613	0.045972	0.026762	2672
GSE37532_WT_VS_PPARG_KO_LN_TREG_DN	86	0.45678	1.504212	0.016226	0.046218	0.026905	852
GSE28737_WT_VS_BCL6_KO_FOLLICULAR_BCELL_UP	161	0.40172	1.433106	0.016299	0.046328	0.026969	1771
GSE40666_UNTREATED_VS_IFNA_STIM_STAT4_KO_EFFECTOR_CD8_TCELL_90MIN_UP	157	0.41164	1.466113	0.016299	0.046328	0.026969	2005
GSE40666_WT_VS_STAT1_KO_CD8_TCELL_WITH_IFNA_STIM_90MIN_UP	157	0.41174	1.466467	0.016299	0.046328	0.026969	1896

GSE9650_EFFECTOR_VS_MEMORY_CD8_TCELL_UP	170	0.39545	1.421449	0.016302	0.046328	0.026969	1042
GSE29949_CD8_POS_DC_SPLEEN_VS_MONOCYTE_BONE_MARROW_UP	147	0.41727	1.471847	0.016378	0.046517	0.027079	1740
GSE40274_CTRL_VS_FOXP3_AND_IRF4_TRANSDUCE_ACTIVATED_CD4_TCELL_UP	130	0.41295	1.441688	0.016418	0.046603	0.027129	2073
GSE20366_EX_VIVO_VS_DEC205_CONVERSION_DN	151	0.41149	1.457676	0.016464	0.046681	0.027174	2140
GSE21670_UNTREATED_VS_IL6_TREATED_CD4_TCELL_DN	151	0.41166	1.458273	0.016464	0.046681	0.027174	2050
GSE46606_DAY1_VS_DAY3_CD40L_IL2_IL5_STIMULATE_D_BCELL_UP	128	0.42577	1.480401	0.016525	0.046826	0.027259	1197
GSE22886_DC_VS_MONOCYTE_UP	168	0.3989	1.435463	0.016613	0.047047	0.027388	1424
GSE13229_IMM_VS_INTMATURE_NKCELL_DN	165	0.39384	1.410659	0.016633	0.047052	0.02739	2409
GSE22229_RENAL_TRANSPLANT_IMMUNOSUPP_THERAPY_VS_HEALTHY_PBMC_UP	165	0.39396	1.411086	0.016633	0.047052	0.02739	2325
GSE5589_WT_VS_IL6_KO_LPS_AND_IL10_STIM_MACROPHAGE_45MIN_DN	162	0.40363	1.439243	0.016739	0.047322	0.027548	2477
GSE21546_SAP1A_KO_VS_SAP1A_KO_AND_ELK1_KO_DP_THYMOCYTES_UP	155	0.40434	1.438576	0.0168	0.047442	0.027618	2763
GSE5455_HEALTHY_VS_TUMOR_BEARING_MOUSE_SPLEEN_MONOCYTE_DN	160	0.41001	1.464478	0.0168	0.047442	0.027618	2077
GSE28408_LY6G_POS_VS_NEG_DC_UP	161	0.40097	1.430444	0.016864	0.047594	0.027706	2202
GSE37301_MULTIPOTENT_PROGENITOR_VS_GRANULOCYTES_PROGENITOR_UP	159	0.41183	1.466933	0.016885	0.047618	0.02772	2484
GSE45365_WT_VS_IFNAR_KO_CD11B_DC_MCMV_INFECTION_UP	155	-0.3207	-1.35561	0.016892	0.047618	0.02772	4086
GSE23505_IL6_IL1_VS_IL6_IL1_TGFB_TREATED_CD4_TCELL_DN	162	-0.3176	-1.35842	0.016938	0.047721	0.02778	3654
GSE18281_PERIMEDULLARY_CORTICAL_REGION_VS_WHITE_MATTER_CORTEX_THYMUS_DN	143	0.41634	1.465776	0.016953	0.047736	0.027789	1475
GSE22886_IGG_IGA_MEMORY_BCELL_VS_BLOOD_PLASMA_CELL_UP	156	0.39571	1.408435	0.017074	0.048021	0.027955	2102
GSE6259_BCELL_VS_CD4_TCELL_DN	156	0.39612	1.409911	0.017074	0.048021	0.027955	2973
GSE13738_RESTING_VS_TCR_ACTIVATED_CD4_TCELL_UP	124	-0.3326	-1.37567	0.017142	0.048165	0.028039	2425

GSE5099_DAY3_VS_DAY7_MCSF_TREATED_MACROPHAGE_UP	147	0.41532	1.464993	0.017144	0.048165	0.028039	1464
GSE17721_LPS_VS_GARDIQUIMOD_8H_BMDC_DN	162	0.40317	1.437604	0.017306	0.048563	0.02827	1806
GSE43955_10H_VS_30H_ACT_CD4_TCELL_DN	162	0.403	1.437003	0.017306	0.048563	0.02827	1315
GSE37532_TREG_VS_TCONV_PPARG_KO_CD4_TCELL_F ROM_VISCERAL_ADIPOSE_TISSUE_DN	168	0.39777	1.431408	0.017355	0.048674	0.028335	2357
GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_TREA TED_MACROPHAGE_UP	124	0.42118	1.458839	0.017398	0.048767	0.028389	1433
GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PR OGENITOR_UP	142	0.41467	1.456701	0.017425	0.048797	0.028407	2035
GSE20366_CD103_POS_VS_NEG_TREG_KLRG1NEG_DN	157	0.4102	1.460999	0.017429	0.048797	0.028407	2282
GSE36392_TYPE_2_MYELOID_VS_MAC_IL25_TREATED_ LUNG_UP	154	0.40785	1.452022	0.017442	0.048805	0.028411	1628
GSE36476_CTRL_VS_TSST_ACT_16H_MEMORY_CD4_TC ELL_OLD_UP	162	0.40289	1.436625	0.017495	0.048927	0.028482	1143
GSE24634_IL4_VS_CTRL_TREATED_NAIVE_CD4_TCELL_ DAY7_UP	163	0.39978	1.425699	0.017517	0.048961	0.028502	1418
GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_IL10_K O_MACROPHAGE_45MIN_DN	160	0.40904	1.461021	0.017551	0.049028	0.028541	2743
GSE14350_IL2RB_KO_VS_WT_TEFF_UP	149	0.4139	1.463081	0.017697	0.049378	0.028744	1756
GSE7831_1H_VS_4H_INFLUENZA_STIM_PDC_DN	149	0.41381	1.462766	0.017697	0.049378	0.028744	1621
GSE45365_WT_VS_IFNAR_KO_CD8A_DC_MCMV_INFECT ION_UP	160	0.40877	1.460059	0.017739	0.049468	0.028797	2377
GSE22443_NAIVE_VS_ACT_AND_IL2_TREATED_CD8_TC ELL_UP	165	0.39245	1.405651	0.017761	0.049502	0.028817	1491
GSE23398_WT_VS_IL2_KO_CD4_TCELL_SCURFY_MOUS E_UP	152	0.40784	1.445262	0.017919	0.049913	0.029056	1685

**Table S3. Gene Set Enrichment Analysis of CD Related Genes based on KEGG database**

ID	Description	setSize	enrichment	NES	pvalue	p.adjust	qvalues	rank
KEGG_KEGG_CHEMOKINE_SIGNALING_PATHWAY		154	0.727131	2.593778	1.00E-10	6.03E-09	4.25E-09	1433
KEGG_KEGG_CYTOKINE_CYTOKINE_RECEPTOR_INTERACTION		224	0.695624	2.57591	1.00E-10	6.03E-09	4.25E-09	1477
KEGG_KEGG_LEISHMANIA_INFECTION		51	0.793382	2.386832	1.00E-10	6.03E-09	4.25E-09	1240
KEGG_KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY		85	0.670061	2.212459	3.46E-09	1.56E-07	1.10E-07	910
KEGG_KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PROD		38	0.796733	2.284697	7.45E-09	2.70E-07	1.90E-07	1087
KEGG_KEGG_NOD_LIKE_RECEPTOR_SIGNALING_PATHWAY		51	0.740115	2.22658	2.31E-08	6.96E-07	4.90E-07	1534
KEGG_KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS		36	0.792119	2.242403	3.15E-08	8.15E-07	5.74E-07	1313
KEGG_KEGG_COMPLEMENT_AND_COAGULATION_CASCADES		58	0.713917	2.195299	8.67E-08	1.96E-06	1.38E-06	1240
KEGG_KEGG_OXIDATIVE_PHOSPHORYLATION		93	-0.55017	-2.18157	1.02E-07	2.04E-06	1.44E-06	3141
KEGG_KEGG_HUNTINGTONS_DISEASE		140	-0.48673	-2.09618	1.40E-07	2.53E-06	1.78E-06	2922
KEGG_KEGG_ALZHEIMERS_DISEASE		127	-0.48501	-2.03405	2.47E-07	4.06E-06	2.85E-06	3048
KEGG_KEGG_CELL_ADHESION_MOLECULES_CAMS		105	0.594189	2.013713	1.00E-06	1.51E-05	1.06E-05	1393
KEGG_KEGG_PARKINSONS_DISEASE		90	-0.52446	-2.05608	2.17E-06	3.02E-05	2.13E-05	2922
KEGG_KEGG_ASTHMA		19	0.831808	2.117064	3.63E-06	4.70E-05	3.30E-05	764
KEGG_KEGG_HEMATOPOIETIC_CELL_LINEAGE		73	0.636089	2.052313	5.00E-06	5.91E-05	4.16E-05	2339
KEGG_KEGG_BUTANOATE_METABOLISM		28	-0.70559	-2.20417	5.23E-06	5.91E-05	4.16E-05	1452
KEGG_KEGG_CITRATE_CYCLE_TCA_CYCLE		27	-0.72247	-2.23698	7.38E-06	7.85E-05	5.53E-05	2459
KEGG_KEGG_TYPE_I_DIABETES_MELLITUS		25	0.784719	2.120342	7.86E-06	7.90E-05	5.56E-05	998
KEGG_KEGG_VIRAL_MYOCARDITIS		50	0.656597	1.968365	1.27E-05	0.000121	8.52E-05	1076
KEGG_KEGG_ALLOGRAFT_REJECTION		23	0.776624	2.069013	2.09E-05	0.000189	0.000133	998
KEGG_KEGG_GRAFT_VERSUS_HOST_DISEASE		21	0.802722	2.093788	3.45E-05	0.000297	0.000209	998
KEGG_KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATIC		37	-0.61761	-2.05096	3.81E-05	0.000314	0.000221	2877
KEGG_KEGG_NATURAL_KILLER_CELL_MEDIATED_CYTOTOXICIT		99	0.561983	1.89148	4.86E-05	0.000383	0.000269	2540
KEGG_KEGG_PATHWAYS_IN_CANCER		280	0.429056	1.62865	0.000103	0.000774	0.000544	1325
KEGG_KEGG_LEUKOCYTE_TRANSENDOTHELIAL_MIGRATION		95	0.554877	1.855411	0.000112	0.000814	0.000573	1358
KEGG_KEGG_STARCH_AND_SUCROSE_METABOLISM		30	-0.64977	-2.07349	0.000131	0.000912	0.000642	1640
KEGG_KEGG_ANTIGEN_PROCESSING_AND_PRESENTATION		48	0.639567	1.901178	0.000141	0.000945	0.000665	2315
KEGG_KEGG_AUTOIMMUNE_THYROID_DISEASE		34	0.68844	1.92557	0.000209	0.001352	0.000951	1079
KEGG_KEGG_ECM_RECEPTOR_INTERACTION		68	0.577621	1.833095	0.000266	0.001662	0.00117	1732
KEGG_KEGG_FOCAL_ADHESION		169	0.450035	1.625635	0.000535	0.003229	0.002272	1872
KEGG_KEGG_CARDIAC_MUSCLE_CONTRACTION		63	-0.47994	-1.75772	0.000716	0.004181	0.002942	3454
KEGG_KEGG_JAK_STAT_SIGNALING_PATHWAY		133	0.487871	1.716122	0.000742	0.004197	0.002953	2179
KEGG_KEGG_PYRUVATE_METABOLISM		37	-0.55134	-1.83091	0.001004	0.005508	0.003876	2122
KEGG_KEGG_PROXIMAL_TUBULE_BICARBONATE_RECLAMATIO		22	-0.65717	-1.93188	0.001126	0.005994	0.004218	1513
KEGG_KEGG_PENTOSE_AND_GLUCURONATE_INTERCONVERSIO		14	-0.70176	-1.82272	0.001612	0.008337	0.005867	699
KEGG_KEGG_ASCORBATE_AND_ALDARATE_METABOLISM		11	-0.75575	-1.80469	0.002712	0.013637	0.009596	291
KEGG_KEGG_PROPANOATE_METABOLISM		29	-0.56746	-1.78744	0.002821	0.0138	0.009711	2528
KEGG_KEGG_BLADDER_CANCER		37	0.60113	1.717148	0.003105	0.014791	0.010408	267
KEGG_KEGG_DRUG_METABOLISM_CYTOCHROME_P450		49	-0.4695	-1.64898	0.003308	0.015353	0.010804	1061
KEGG_KEGG_FC_EPSILON_RI_SIGNALING_PATHWAY		67	0.521442	1.651291	0.005067	0.022929	0.016135	1076
KEGG_KEGG_CYTOSOLIC_DNA_SENSING_PATHWAY		37	0.574825	1.642009	0.006928	0.030586	0.021523	979
KEGG_KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_CHONDR		17	0.686	1.695888	0.008666	0.037344	0.026279	1968
KEGG_KEGG_FATTY_ACID_METABOLISM		35	-0.48374	-1.58338	0.00939	0.039525	0.027813	2401

**Table S4. Correlation analysis analysis between SLC6A14 and immune cell**

	gene	path	r	p	sign	absR	rSeg	pSeg
cor	SLC6414	Activated.B.cell	0.289198493	0.023788677	pos	0.289198493		0.5 <0.05
cor1	SLC6414	Activated.CD4.T.cell	0.559389308	2.78E-06	pos	0.559389308		0.75 <0.001
cor2	SLC6414	Activated.CD8.T.cell	0.42530732	0.000633548	pos	0.42530732		0.5 <0.001
cor3	SLC6414	Activated.dendritic.cell	0.711466872	1.31E-10	pos	0.711466872		0.75 <0.001
cor4	SLC6414	CD56bright.natural.killer.cell	0.233876759	0.069662865	pos	0.233876759		0.25 ns
cor5	SLC6414	CD56dim.natural.killer.cell	-0.431362037	0.000518906	neg	0.431362037		0.5 <0.001
cor6	SLC6414	Eosinophil	0.31853271	0.012353091	pos	0.31853271		0.5 <0.05
cor7	SLC6414	Gamma.delta.T.cell	0.381700286	0.002402768	pos	0.381700286		0.5 <0.01
cor8	SLC6414	Immature.B.cell	0.371422458	0.003207679	pos	0.371422458		0.5 <0.01
cor9	SLC6414	Immature.dendritic.cell	0.630631543	5.12E-08	pos	0.630631543		0.75 <0.001
cor10	SLC6414	MDSC	0.58559514	7.15E-07	pos	0.58559514		0.75 <0.001
cor11	SLC6414	Macrophage	0.543848035	5.90E-06	pos	0.543848035		0.75 <0.001
cor12	SLC6414	Mast.cell	0.573210146	1.38E-06	pos	0.573210146		0.75 <0.001
cor13	SLC6414	Monocyte	0.436463688	0.000437304	pos	0.436463688		0.5 <0.001
cor14	SLC6414	Natural.killer.T.cell	0.399899101	0.001407693	pos	0.399899101		0.5 <0.01
cor15	SLC6414	Natural.killer.cell	0.559309585	2.79E-06	pos	0.559309585		0.75 <0.001
cor16	SLC6414	Neutrophil	0.624394297	7.56E-08	pos	0.624394297		0.75 <0.001
cor17	SLC6414	Plasmacytoid.dendritic.cell	0.544952563	5.60E-06	pos	0.544952563		0.75 <0.001
cor18	SLC6414	Regulatory.T.cell	0.408348644	0.001086907	pos	0.408348644		0.5 <0.01
cor19	SLC6414	T.follicular.helper.cell	0.478109953	9.74E-05	pos	0.478109953		0.5 <0.001
cor20	SLC6414	Type.1.T.helper.cell	0.603489448	2.63E-07	pos	0.603489448		0.75 <0.001
cor21	SLC6414	Type.17.T.helper.cell	-0.09189526	0.481202833	neg	0.09189526		0.25 ns
cor22	SLC6414	Type.2.T.helper.cell	0.667953049	4.09E-09	pos	0.667953049		0.75 <0.001
cor23	SLC6414	Effector.memory.CD4.T.cell	0.29245456	0.022187467	pos	0.29245456		0.5 <0.05
cor24	SLC6414	Memory.B.cell	0.270105708	0.035269222	pos	0.270105708		0.5 <0.05
cor25	SLC6414	Central.memory.CD4.T.cell	0.370475731	0.003292678	pos	0.370475731		0.5 <0.01
cor26	SLC6414	Central.memory.CD8.T.cell	0.338609284	0.007601785	pos	0.338609284		0.5 <0.01
cor27	SLC6414	Effector.memory.CD8.T.cell	0.130785232	0.315062126	pos	0.130785232		0.25 ns
cor28	SLC6414	SLC6414		1	0 pos		1	1 Not Applicable

**Table S5. Correlation analysis analysis between SLC6A14 and immune function pathways**

	gene	path	r	p	sign	absR	rSeg	pSeg
cor	SLC6414	aDCs	0.425583	0.000628	pos	0.425583		0.5 <0.001
cor1	SLC6414	APC_co_inhibition	0.533883	9.38E-06	pos	0.533883		0.75 <0.001
cor2	SLC6414	APC_co_stimulation	0.505544	3.24E-05	pos	0.505544		0.75 <0.001
cor3	SLC6414	B_cells	0.270106	0.035269	pos	0.270106		0.5 <0.05
cor4	SLC6414	CCR	0.658181	8.20E-09	pos	0.658181		0.75 <0.001
cor5	SLC6414	CD8+_T_cells	0.128651	0.323093	pos	0.128651		0.25 ns
cor6	SLC6414	Check-point	0.486597	7.00E-05	pos	0.486597		0.5 <0.001
cor7	SLC6414	Cytolytic_activity	0.309477	0.015224	pos	0.309477		0.5 <0.05
cor8	SLC6414	DCs	0.067897	0.603116	pos	0.067897		0.25 ns
cor9	SLC6414	HLA	0.397088	0.001532	pos	0.397088		0.5 <0.01
cor10	SLC6414	iDCs	0.030538	0.815275	pos	0.030538		0.25 ns
cor11	SLC6414	Inflammation-promoting	0.548479	4.74E-06	pos	0.548479		0.75 <0.001
cor12	SLC6414	Macrophages	0.355915	0.004876	pos	0.355915		0.5 <0.01
cor13	SLC6414	Mast_cells	0.086139	0.509204	pos	0.086139		0.25 ns
cor14	SLC6414	Neutrophils	0.545807	5.38E-06	pos	0.545807		0.75 <0.001
cor15	SLC6414	NK_cells	0.099061	0.447518	pos	0.099061		0.25 ns
cor16	SLC6414	Parainflammation	0.671647	3.12E-09	pos	0.671647		0.75 <0.001
cor17	SLC6414	pDCs	0.353801	0.005155	pos	0.353801		0.5 <0.01
cor18	SLC6414	T_cell_co-inhibition	0.485914	7.19E-05	pos	0.485914		0.5 <0.001
cor19	SLC6414	T_cell_co-stimulation	0.422166	0.000702	pos	0.422166		0.5 <0.001
cor20	SLC6414	T_helper_cells	0.128728	0.3228	pos	0.128728		0.25 ns
cor21	SLC6414	Tfh	0.156381	0.228772	pos	0.156381		0.25 ns
cor22	SLC6414	Th1_cells	0.529075	1.17E-05	pos	0.529075		0.75 <0.001
cor23	SLC6414	Th2_cells	0.576631	1.15E-06	pos	0.576631		0.75 <0.001
cor24	SLC6414	TIL	0.40667	0.001145	pos	0.40667		0.5 <0.01
cor25	SLC6414	Treg	0.339486	0.007437	pos	0.339486		0.5 <0.01
cor26	SLC6414	Type_I_IFN_Reponse	0.354024	0.005125	pos	0.354024		0.5 <0.01
cor27	SLC6414	Type_II_IFN_Reponse	0.684111	1.22E-09	pos	0.684111		0.75 <0.001
cor28	SLC6414	SLC6414		1	0 pos		1	1 Not Applicable