

Gene Set	SIZE	ES	NES	NOM		FWER p-		RANK	LEADING EDGE
				p-val	FDR q-val	val	AT MAX		
GO_AXONEME_PART	31	0.869	2.806	0	0	0	630	tags=90%, list=9%, signal=98%	
GO_CELL_PROJECTION_ASSEMBLY	236	0.639	2.793	0	0	0	960	tags=50%, list=13%, signal=56%	
GO_AXONEMAL_DYNEIN_COMPLEX_ASSEMBLY	22	0.917	2.735	0	0	0	630	tags=100%, list=9%, signal=109%	
GO_CILIUM_OR_FLAGELLUM_DEPENDENT_CELL_MOTILITY	24	0.885	2.703	0	0	0	544	tags=92%, list=7%, signal=99%	
GO_MICROTUBULE_BASED_PROCESS	295	0.595	2.664	0	0	0	765	tags=41%, list=10%, signal=44%	
GO_DYNEIN_COMPLEX	30	0.828	2.663	0	0	0	630	tags=73%, list=9%, signal=80%	
GO_ORGANELLE_ASSEMBLY	291	0.567	2.555	0	0	0	1027	tags=43%, list=14%, signal=48%	
GO_INTRACILIARY_TRANSPORT_INVOLVED_IN_CILIUM_ASSEMBLY	22	0.837	2.535	0	0	0	765	tags=82%, list=10%, signal=91%	
GO_CILIARY_TRANSITION_ZONE	20	0.850	2.495	0	0	0	765	tags=85%, list=10%, signal=95%	
GO_SPERM_PART	75	0.654	2.493	0	0	0	1357	tags=64%, list=19%, signal=78%	
GO_MICROTUBULE_CYTOSKELETON_ORGANIZATION	206	0.554	2.418	0	0	0	1027	tags=41%, list=14%, signal=47%	
GO_SPERM_MOTILITY	35	0.722	2.385	0	0	0	630	tags=57%, list=9%, signal=62%	
GO_MICROTUBULE_ASSOCIATED_COMPLEX	71	0.625	2.360	0	0	0	630	tags=41%, list=9%, signal=44%	
GO_DYNEIN_LIGHT_CHAIN_BINDING	16	0.854	2.320	0	0	0	630	tags=81%, list=9%, signal=89%	
GO_MICROTUBULE_CYTOSKELETON	398	0.498	2.290	0	0	0	1027	tags=37%, list=14%, signal=41%	
GO_MICROTUBULE_ORGANIZING_CENTER	238	0.511	2.255	0	1.06E-05	0.001	1047	tags=40%, list=14%, signal=46%	
GO_NON_MOTILE_CILIUM	43	0.631	2.178	0	1.15E-04	0.012	1134	tags=47%, list=15%, signal=55%	
GO_SPERMATID_DIFFERENTIATION	40	0.624	2.133	0	3.51E-04	0.039	763	tags=48%, list=10%, signal=53%	
GO_MALE_GAMETE_GENERATION	161	0.494	2.103	0	5.29E-04	0.059	1256	tags=39%, list=17%, signal=45%	
GO_9PLUS0_NON_MOTILE_CILIUM	32	0.638	2.070	0	8.99E-04	0.102	1134	tags=44%, list=15%, signal=52%	
GO_CYTOSKELETON_DEPENDENT_INTRACELLULAR_TRANSPORT	72	0.536	2.039	0	1.69E-03	0.19	805	tags=36%, list=11%, signal=40%	
GO_GAMETE_GENERATION	197	0.449	1.947	0	0.008	0.638	1399	tags=37%, list=19%, signal=44%	
SPIRA_SMOKERS_LUNG_CANCER_UP	22	0.646	1.935	0	0.009	0.708	1085	tags=50%, list=15%, signal=59%	
GO_MICROTUBULE_ORGANIZING_CENTER_ORGANIZATION	42	0.554	1.920	0	0.011	0.793	1080	tags=43%, list=15%, signal=50%	
GO_PROTEIN_CONTAINING_COMPLEX_LOCALIZATION	94	0.485	1.916	0	0.012	0.816	765	tags=29%, list=10%, signal=32%	
DOANE_BREAST_CANCER_ESR1_UP	63	0.516	1.890	0	0.016	0.907	1346	tags=43%, list=18%, signal=52%	
GO_SEXUAL_REPRODUCTION	237	0.428	1.886	0	0.017	0.91	1399	tags=34%, list=19%, signal=41%	
GO_SMOOTHENED_SIGNALING_PATHWAY	66	0.508	1.872	0	0.019	0.94	740	tags=35%, list=10%, signal=38%	
REACTOME_CARGO_TRAFFICKING_TO_THE_PERICILIARY_MEMBRANE	18	0.656	1.870	0.002	0.020	0.947	1176	tags=44%, list=16%, signal=53%	
GO_TUBULIN_BINDING	128	0.446	1.849	0	0.026	0.983	924	tags=32%, list=13%, signal=36%	
SMID_BREAST_CANCER_RELAPSE_IN_BONE_UP	54	0.518	1.847	0	0.026	0.984	1265	tags=44%, list=17%, signal=53%	

Gene Set	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
GO_NUCLEOSIDE_DIPHOSPHATE_METABOLIC_PROCESS	16	0.672	1.846	0.002	0.026	0.985	633	tags=44%, list=9%, signal=48%
GO_ATPASE_ACTIVITY	124	0.447	1.839	0	0.029	0.989	1389	tags=37%, list=19%, signal=45%
GO_GERM_CELL_DEVELOPMENT	65	0.494	1.839	0	0.028	0.989	1350	tags=42%, list=18%, signal=50%
GSE5542_IFNG_VS_IFNA_TREATED_EPITHELIAL_CELLS_24H_UP	60	0.480	1.773	0	0.055	1	1097	tags=28%, list=15%, signal=33%
RICKMAN_TUMOR_DIFFERENTIATED_WELL_VS_MODERATELY_UP	47	0.505	1.771	0	0.055	1	1572	tags=43%, list=21%, signal=54%
GO_CELLULAR_PROCESS_INVOLVED_IN_REPRODUCTION_IN_MULTICELLULAR_ORGANISM	95	0.439	1.752	0.001	0.066	1	1350	tags=35%, list=18%, signal=42%
KIM_MYC_AMPLIFICATION_TARGETS_DN	39	0.513	1.742	0.003	0.072	1	1840	tags=51%, list=25%, signal=68%
GO_MULTICELLULAR_ORGANISM_REPRODUCTION	262	0.382	1.710	0	0.092	1	1399	tags=31%, list=19%, signal=36%
HALLMARK_SPERMATOGENESIS	34	0.515	1.701	0.006	0.100	1	1438	tags=41%, list=20%, signal=51%
GSE21670_UNTREATED_VS_TGFB_TREATED_CD4_TCELL_UP	86	0.428	1.683	0.004	0.117	1	1016	tags=26%, list=14%, signal=29%
GSE5542_IFNG_VS_IFNA_TREATED_EPITHELIAL_CELLS_6H_UP	60	0.453	1.674	0.01	0.125	1	985	tags=32%, list=13%, signal=36%
WUNDER_INFLAMMATORY_RESPONSE_AND_CHOLESTEROL_UP	20	0.571	1.653	0.003	0.146	1	1152	tags=30%, list=16%, signal=35%
GO_SINGLE_STRANDED_DNA_BINDING	21	0.550	1.630	0.017	0.172	1	785	tags=33%, list=11%, signal=37%
GO_MULTI_ORGANISM_REPRODUCTIVE_PROCESS	312	0.361	1.626	0	0.175	1	1440	tags=29%, list=20%, signal=35%
GO_REGULATION_OF_CILIUM_ASSEMBLY	17	0.567	1.616	0.019	0.188	1	865	tags=53%, list=12%, signal=60%
RODRIGUES_THYROID_CARCIOMA_ANAPLASTIC_UP	218	0.369	1.605	0	0.207	1	1764	tags=34%, list=24%, signal=43%
GO_INNATE_IMMUNE_RESPONSE_ACTIVATING_CELL_SURFACE_RECEPTOR_SIGNALING_PATHWAY	23	0.527	1.600	0.021	0.216	1	1425	tags=57%, list=19%, signal=70%
GO_FERTILIZATION	39	0.470	1.592	0.016	0.225	1	1522	tags=36%, list=21%, signal=45%
HAMAI_APOPTOSIS_VIA_TRAIL_UP	214	0.362	1.587	0.002	0.228	1	1706	tags=34%, list=23%, signal=43%
GO_MITOTIC_SPINDLE_ASSEMBLY	15	0.581	1.581	0.028	0.239	1	1014	tags=40%, list=14%, signal=46%

Supplementary file 6, part 1, most related gene sets the expression of which enriched along with the expression of IL7.

Columns: Size: Number of genes in the gene set that included in the expression matrix; ES: enrichment score; NES: Normalized enrichment score; NOM p-value: Nominal p-value; FDR q-value: False discovery rate; FWER p-value: Familywise-error rate; RANK AT MAX: The position in the ranked list at which the maximum enrichment score occurred; LEADING EDGE: three statistics used to define the leading-edge subsets (<https://www.gsea-msigdb.org/gsea/doc/GSEASUserGuideFrame.html>).

Gene Set	SIZE	ES	NES	NOM		FWER p- val	RANK AT MAX	LEADING EDGE
				p-val	FDR q-val			
GO_ENDOTHELIAL_CELL_MIGRATION	99	-0.503	-2.384	0	0	0	1809	tags=46%, list=25%, signal=61%
GO_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION	52	-0.559	-2.286	0	5.27E-04	0.01	1745	tags=52%, list=24%, signal=68%
GO_REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION	78	-0.496	-2.229	0	1.15E-03	0.032	1809	tags=47%, list=25%, signal=62%
BENPORATH_MYC_TARGETS_WITH_EBOX	74	-0.484	-2.139	0	0.003	0.135	1247	tags=39%, list=17%, signal=47%
GO_REGULATION_OF_CELLULAR_RESPONSE_TO_GROWTH_FACTOR_STIMULUS	111	-0.440	-2.085	0	0.005	0.249	2350	tags=54%, list=32%, signal=78%
GO_EXTRACELLULAR_STRUCTURE_ORGANIZATION	219	-0.396	-2.067	0	0.006	0.303	2082	tags=44%, list=28%, signal=60%
GSE1432_6H_VS_24H_IFNG_MICROGLIA_UP	79	-0.467	-2.067	0	0.006	0.305	1502	tags=41%, list=20%, signal=50%
GO_TISSUE_MIGRATION	145	-0.408	-2.026	0	0.008	0.449	1828	tags=41%, list=25%, signal=54%
GO_COLLAGEN_CONTAINING_EXTRACELLULAR_MATRIX	197	-0.391	-2.012	0	0.008	0.505	1934	tags=43%, list=26%, signal=56%
GO_REGULATION_OF_ENDOTHELIAL_CELL_DIFFERENTIATION	16	-0.667	-2.000	0.002	0.009	0.554	580	tags=50%, list=8%, signal=54%
HAMAI_APOPTOSIS_VIA_TRAIL_DN	81	-0.446	-1.999	0	0.009	0.557	1798	tags=42%, list=25%, signal=55%
REACTOME_EXTRACELLULAR_MATRIX_ORGANIZATION	162	-0.395	-1.980	0	0.010	0.655	2349	tags=52%, list=32%, signal=76%
GO_AMEBOIDAL_TYPE_CELL_MIGRATION	191	-0.379	-1.973	0	0.010	0.687	2006	tags=42%, list=27%, signal=57%
ROY_WOUND_BLOOD_VESSEL_UP	30	-0.542	-1.972	0	0.010	0.689	2337	tags=60%, list=32%, signal=88%
GO_CELL_MIGRATION_INVOLVED_IN_SPROUTING_ANGIOGENESIS	31	-0.535	-1.933	0	0.013	0.826	1619	tags=45%, list=22%, signal=58%
GO_REGULATION_OF_CELL_MIGRATION_INVOLVED_IN_SPROUTING_ANGIOGENESIS	22	-0.580	-1.932	0.003	0.014	0.834	1619	tags=55%, list=22%, signal=70%
GO_POSITIVE_REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION	21	-0.590	-1.929	0	0.014	0.84	2279	tags=67%, list=31%, signal=96%
KEGG_ECM_RECEPTOR_INTERACTION	48	-0.474	-1.929	0	0.014	0.84	2316	tags=60%, list=32%, signal=88%
GO_EXTRACELLULAR_MATRIX_STRUCTURAL_CONSTITUENT	89	-0.420	-1.927	0	0.014	0.847	2645	tags=64%, list=36%, signal=99%
GO_ROUGH_ENDOPLASMIC_RETICULUM	26	-0.554	-1.919	0.006	0.014	0.866	1651	tags=58%, list=23%, signal=74%
GO_T_CELL_MEDIATED_IMMUNITY	34	-0.519	-1.899	0	0.016	0.922	1455	tags=41%, list=20%, signal=51%
GO_REGULATION_OF_EXTRACELLULAR_MATRIX_ORGANIZATION	18	-0.600	-1.889	0	0.017	0.946	1518	tags=50%, list=21%, signal=63%
GO_REGULATION_OF_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY	16	-0.614	-1.884	0.003	0.017	0.95	2350	tags=69%, list=32%, signal=101%
GO_ENDOTHELIUM_DEVELOPMENT	54	-0.450	-1.853	0	0.021	0.983	957	tags=33%, list=13%, signal=38%
GO_REGULATION_OF_STEROID_BIOSYNTHETIC_PROCESS	37	-0.492	-1.852	0.003	0.021	0.983	1805	tags=51%, list=25%, signal=68%
GO_LATE_ENDOSOME_MEMBRANE	44	-0.478	-1.852	0	0.021	0.983	971	tags=34%, list=13%, signal=39%
GO_EXTRACELLULAR_MATRIX_COMPONENT	29	-0.521	-1.847	0	0.022	0.984	2645	tags=79%, list=36%, signal=124%
GO_EXTRACELLULAR_MATRIX	254	-0.345	-1.844	0	0.022	0.986	1934	tags=38%, list=26%, signal=50%
GO_EXTRACELLULAR_MATRIX_BINDING	31	-0.505	-1.831	0	0.024	0.99	2341	tags=61%, list=32%, signal=90%
GO_ACTIVATION_OF_MAPKK_ACTIVITY	21	-0.560	-1.819	0.003	0.026	0.998	2304	tags=62%, list=31%, signal=90%

Gene Set	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
SWEET_LUNG_CANCER_KRAS_DN	227	-0.342	-1.787	0	0.031	1	2099	tags=47%, list=29%, signal=63%
GO_T_CELL_MEDIATED_CYTOTOXICITY	17	-0.544	-1.682	0.016	0.050	1	1437	tags=47%, list=20%, signal=58%
REACTOME_INTERLEUKIN_1_SIGNALING	18	-0.541	-1.668	0.018	0.053	1	779	tags=33%, list=11%, signal=37%
JECHLINGER_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_UP	30	-0.464	-1.668	0.011	0.053	1	2316	tags=60%, list=32%, signal=87%
GO_NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIATION	16	-0.555	-1.663	0.013	0.054	1	1113	tags=38%, list=15%, signal=44%
GO_WOUND_HEALING	217	-0.323	-1.646	0	0.060	1	2040	tags=41%, list=28%, signal=55%
GO_EPITHELIAL_CELL_APOPTOTIC_PROCESS	42	-0.425	-1.637	0.003	0.062	1	1626	tags=45%, list=22%, signal=58%
GO_POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_PROLIFERATION	49	-0.396	-1.583	0.007	0.076	1	2651	tags=53%, list=36%, signal=83%
GO_REGULATION_OF_T_CELL_MEDIATED_IMMUNITY	22	-0.476	-1.583	0.016	0.076	1	1455	tags=36%, list=20%, signal=45%
GO_MYELOID_LEUKOCYTE_MEDIATED_IMMUNITY	174	-0.314	-1.580	0	0.077	1	1825	tags=37%, list=25%, signal=48%
GO_POSITIVE_REGULATION_OF_TYPE_I_INTERFERON_PRODUCTION	20	-0.475	-1.543	0.035	0.090	1	633	tags=20%, list=9%, signal=22%
GO_ENDOTHELIAL_CELL_APOPTOTIC_PROCESS	28	-0.430	-1.523	0.043	0.098	1	1626	tags=46%, list=22%, signal=59%
REACTOME_INTERLEUKIN_1_FAMILY_SIGNALING	28	-0.413	-1.475	0.028	0.121	1	1437	tags=29%, list=20%, signal=35%
GO_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_SIGNALING_PATHWAY	21	-0.446	-1.466	0.034	0.125	1	2634	tags=67%, list=36%, signal=104%
GO_POSITIVE_REGULATION_OF_TUMOR_NECROSIS_FACTOR_SUPERFAMILY_CYTOKINE_PRODUCTION	27	-0.416	-1.451	0.037	0.132	1	1437	tags=33%, list=20%, signal=41%
GO_CELLULAR_RESPONSE_TO_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_STIMULUS	28	-0.420	-1.450	0.043	0.132	1	2267	tags=57%, list=31%, signal=82%
GO_NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS	18	-0.463	-1.450	0.08	0.132	1	2252	tags=56%, list=31%, signal=80%
GO_VASCULOGENESIS	35	-0.386	-1.449	0.038	0.132	1	1944	tags=46%, list=27%, signal=62%
GO_APOPTOTIC_CELL_CLEARANCE	17	-0.457	-1.402	0.084	0.157	1	1670	tags=41%, list=23%, signal=53%
REACTOME_SIGNALING_BY_NON_RECEPTOR_TYROSINE_KINASES	20	-0.437	-1.400	0.081	0.158	1	1725	tags=45%, list=24%, signal=59%
GSE8678_IL7R_LOW_VS_HIGH_EFF_CD8_TCELL_UP	81	-0.314	-1.388	0.035	0.166	1	1102	tags=30%, list=15%, signal=34%
GO_REGULATION_OF_CYTOKINE_PRODUCTION_INVOLVED_IN_IMMUNE_RESPONSE	28	-0.387	-1.359	0.1	0.185	1	2122	tags=43%, list=29%, signal=60%
REACTOME_CELL_DEATH_SIGNALLING_VIA_NRAGE_NRF1_AND_NAIP1	29	-0.378	-1.357	0.087	0.186	1	2134	tags=55%, list=29%, signal=78%
GO_LEUKOCYTE_MEDIATED_IMMUNITY	344	-0.251	-1.357	0.011	0.186	1	1648	tags=24%, list=22%, signal=29%
KEGG_SMALL_CELL_LUNG_CANCER	27	-0.380	-1.355	0.067	0.188	1	2320	tags=48%, list=32%, signal=70%
REACTOME_PROGRAMMED_CELL_DEATH	40	-0.355	-1.355	0.09	0.188	1	1900	tags=45%, list=26%, signal=60%
GO_POSITIVE_REGULATION_OF_CELL_DEATH	266	-0.256	-1.352	0	0.190	1	2052	tags=37%, list=28%, signal=49%
GO_POSITIVE_REGULATION_OF_T_CELL_MEDIATED_IMMUNITY	15	-0.460	-1.348	0.112	0.193	1	2122	tags=47%, list=29%, signal=66%
ZWANG_EGF_INTERVAL_DN	97	-0.287	-1.342	0.02	0.198	1	2152	tags=42%, list=29%, signal=59%
GSE2197_IMMUNOSUPPRESSIVE_DNA_VS_UNTREATEDIN_DC_DN	67	-0.310	-1.339	0.055	0.200	1	1435	tags=31%, list=20%, signal=39%

Gene Set	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
GO_EXTRACELLULAR_MATRIX_STRUCTURAL_CONSTITUENT_CONFERRING_TENSILE_STRENGTH	29	-0.381	-1.332	0.095	0.206	1	2034	tags=52%, list=28%, signal=71%
REACTOME_DEATH_RECEPTOR_SIGNALLING	51	-0.329	-1.329	0.077	0.208	1	2134	tags=49%, list=29%, signal=69%
GSE44955_MCSF_VS_MCSF_AND_IL27_STIM_MACROPHAGE_UP	76	-0.300	-1.327	0.032	0.210	1	1859	tags=38%, list=25%, signal=51%
GSE13229_IMM_VS_MATURE_NKCELL_DN	71	-0.312	-1.327	0.049	0.210	1	851	tags=24%, list=12%, signal=27%
GO_LEUKOCYTE_MEDIATED_CYTOTOXICITY	41	-0.339	-1.323	0.079	0.213	1	2224	tags=44%, list=30%, signal=63%
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_52H_UP	78	-0.298	-1.321	0.033	0.215	1	1564	tags=31%, list=21%, signal=39%
GO_POSITIVE_REGULATION_OF_INTERLEUKIN_6_PRODUCTION	31	-0.369	-1.317	0.101	0.218	1	1853	tags=35%, list=25%, signal=47%
YU_MYC_TARGETS_DN	29	-0.370	-1.311	0.105	0.223	1	1313	tags=28%, list=18%, signal=33%
GO_REGULATION_OF_PRODUCTION_OF_MOLECULAR_MEDIATOR_OF_IMMUNE_RESPONSE	45	-0.323	-1.302	0.085	0.231	1	1825	tags=33%, list=25%, signal=44%
PID_TGFBR_PATHWAY	22	-0.398	-1.293	0.16	0.238	1	2651	tags=50%, list=36%, signal=78%
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_1H_DN	70	-0.297	-1.293	0.063	0.238	1	1585	tags=34%, list=22%, signal=43%
GSE3920_IFNA_VS_IFNG_TREATED_FIBROBLAST_DN	82	-0.289	-1.291	0.08	0.239	1	2077	tags=45%, list=28%, signal=62%
GO_POSITIVE_REGULATION_OF_WOUND_HEALING	22	-0.385	-1.291	0.134	0.240	1	2012	tags=50%, list=27%, signal=69%
GO_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY	95	-0.277	-1.285	0.045	0.245	1	1410	tags=28%, list=19%, signal=35%
GO_POSITIVE_REGULATION_OF_CELL_MATRIX_ADHESION	26	-0.377	-1.285	0.141	0.245	1	2681	tags=65%, list=37%, signal=103%
GSE9601_NFKB_INHIBITOR_VS_PI3K_INHIBITOR_TREATED_HCMV_INF_MONOCYTE_UP	80	-0.289	-1.285	0.062	0.245	1	1672	tags=34%, list=23%, signal=43%
GSE27786_BCELL_VS_MONO_MAC_DN	80	-0.296	-1.285	0.077	0.245	1	2025	tags=43%, list=28%, signal=58%
GSE22601_DOUBLE_NEGATIVE_VS_DOUBLE_POSITIVE_THYMOCYTE_DN	71	-0.294	-1.285	0.073	0.245	1	1437	tags=25%, list=20%, signal=31%
GSE27786_CD8_TCELL_VS_NKCELL_DN	76	-0.298	-1.285	0.058	0.245	1	2278	tags=51%, list=31%, signal=74%
GSE22025_UNTREATED_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_UP	87	-0.278	-1.284	0.058	0.246	1	1987	tags=39%, list=27%, signal=53%
GSE1925_CTRL_VS_3H_IFNG_STIM_MACROPHAGE_UP	61	-0.304	-1.284	0.108	0.246	1	1695	tags=31%, list=23%, signal=40%
GO_REGULATION_OF_EPITHELIAL_TO_MESENCHYMAL_TRANSITION	43	-0.326	-1.283	0.103	0.247	1	1388	tags=30%, list=19%, signal=37%

Supplementary file 6, part 2, most related gene sets expression of which reduced along with the expression of IL7.

Columns: Size: Number of genes in the gene set that included in the expression matrix; ES: enrichment score; NES: Normalized enrichment score; NOM p-value: Nominal p-value; FDR q-value: False discovery rate; FWER p-value: Familywise-error rate; RANK AT MAX: The position in the ranked list at which the maximum enrichment score occurred; LEADING EDGE: three statistics used to define the leading-edge subsets (<https://www.gsea-msigdb.org/gsea/doc/GSEAUUserGuideFrame.html>).