

Supplemental Information

Modulation of Myelopoiesis Progenitors

Is an Integral Component of Trained Immunity

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NAME	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val	RANK AT MAX	LEADING EDGE
HALLMARK_CHOLESTEROL_HOMEOSTASIS	67	0.776022	2.2576	0	0	0	1944	tags=46%, list=7%, signal=49%
HALLMARK_GLYCOLYSIS	191	0.579825	1.9584	0	0	0	4212	tags=41%, list=15%, signal=48%
HALLMARK_INFLAMMATORY_RESPONSE	186	0.574351	1.9324	0	0	0	2241	tags=33%, list=8%, signal=35%
HALLMARK_MTORC1_SIGNALING	192	0.556296	1.8398	0	0.001179	0.003	2530	tags=37%, list=9%, signal=40%
HALLMARK_IL6_JAK_STAT3_SIGNALING	82	0.614739	1.792	0	0.004545	0.013	2241	tags=46%, list=8%, signal=50%
HALLMARK_ANGIOGENESIS	34	0.70841	1.7873	0	0.003788	0.013	3852	tags=47%, list=13%, signal=54%
HALLMARK_COMPLEMENT	176	0.532641	1.7361	0	0.005566	0.023	2194	tags=30%, list=8%, signal=32%
HALLMARK_PI3K_AKT_MTOR_SIGNALING	103	0.556708	1.696	0	0.007204	0.033	2912	tags=34%, list=10%, signal=38%
HALLMARK_COAGULATION	121	0.530167	1.668	0	0.009552	0.047	2194	tags=27%, list=8%, signal=29%
HALLMARK_APICAL_JUNCTION	186	0.494473	1.6345	0.00350877	0.011379	0.064	4242	tags=30%, list=15%, signal=35%
HALLMARK_OXIDATIVE_PHOSPHORYLATION	192	0.488849	1.6183	0	0.011696	0.072	4910	tags=52%, list=17%, signal=62%
HALLMARK_INTERFERON_GAMMA_RESPONSE	183	0.452518	1.5068	0.00342466	0.031385	0.196	1794	tags=33%, list=6%, signal=35%
HALLMARK_EPITHELIAL_MESENCHYMAL_TRANSITIO	183	0.451338	1.4844	0	0.03592	0.237	3966	tags=30%, list=14%, signal=35%
HALLMARK_INTERFERON_ALPHA_RESPONSE	87	0.483987	1.4564	0.02486188	0.043383	0.294	1768	tags=33%, list=6%, signal=35%
HALLMARK_PROTEIN_SECRETION	94	0.466087	1.4307	0.02941177	0.052524	0.356	1719	tags=29%, list=6%, signal=30%
HALLMARK_HYPOXIA	188	0.422134	1.4128	0.0177305	0.057679	0.405	3095	tags=31%, list=11%, signal=35%
HALLMARK_UV_RESPONSE_UP	144	0.428431	1.388	0.03355705	0.066116	0.476	2137	tags=22%, list=7%, signal=24%
HALLMARK_ANDROGEN_RESPONSE	93	0.447132	1.3526	0.05571847	0.081232	0.58	4168	tags=40%, list=14%, signal=46%
HALLMARK_UNFOLDED_PROTEIN_RESPONSE	111	0.424025	1.3286	0.05172414	0.093552	0.656	4714	tags=30%, list=16%, signal=35%
HALLMARK_ALLOGRAFT_REJECTION	178	0.406291	1.3268	0.02888087	0.090392	0.663	2241	tags=26%, list=8%, signal=28%
HALLMARK_ESTROGEN_RESPONSE_LATE	181	0.386633	1.2927	0.05862069	0.107784	0.743	3124	tags=28%, list=11%, signal=31%
HALLMARK_TNFA_SIGNALING_VIA_NFKB	194	0.382343	1.2886	0.02909091	0.105119	0.75	2438	tags=23%, list=8%, signal=25%
HALLMARK_XENOBIOTIC_METABOLISM	178	0.360666	1.2054	0.09375	0.167806	0.915	2218	tags=22%, list=8%, signal=24%
HALLMARK_P53_PATHWAY	193	0.356814	1.1888	0.11032029	0.178908	0.933	2222	tags=20%, list=8%, signal=22%
HALLMARK_DNA_REPAIR	137	0.33609	1.0647	0.30844155	0.349827	0.994	2914	tags=20%, list=10%, signal=23%
HALLMARK_APICAL_SURFACE	44	0.345307	0.931	0.5463415	0.628539	1	926	tags=11%, list=3%, signal=12%
HALLMARK_MYC_TARGETS_V2	58	0.310515	0.8618	0.6879607	0.761442	1	3441	tags=17%, list=12%, signal=20%
HALLMARK_HEDGEHOG_SIGNALING	32	-0.33203	-0.7406	0.77959925	0.882188	1	3999	tags=25%, list=14%, signal=29%
HALLMARK_PEROXISOME	91	-0.33388	-0.8661	0.64605874	0.705	1	3618	tags=21%, list=13%, signal=24%
HALLMARK_UV_RESPONSE_DN	141	-0.35434	-0.9918	0.45857143	0.501231	1	2631	tags=18%, list=9%, signal=20%
HALLMARK_WNT_BETA_CATENIN_SIGNALING	38	-0.43281	-1.0185	0.4450262	0.479633	1	3447	tags=16%, list=12%, signal=18%
HALLMARK_ESTROGEN_RESPONSE_EARLY	186	-0.37443	-1.0596	0.35362318	0.433436	1	2844	tags=17%, list=10%, signal=19%
HALLMARK_ADIPOGENESIS	195	-0.37341	-1.0759	0.33873144	0.428238	1	2052	tags=13%, list=7%, signal=14%
HALLMARK_PANCREAS_BETA_CELLS	30	-0.47206	-1.0782	0.34655172	0.449135	1	1454	tags=13%, list=5%, signal=14%
HALLMARK_MYC_TARGETS_V1	198	-0.38203	-1.0918	0.30123797	0.451208	1	3724	tags=22%, list=13%, signal=25%
HALLMARK_IL2_STAT5_SIGNALING	192	-0.40005	-1.1482	0.23913044	0.377971	1	1757	tags=17%, list=6%, signal=18%
HALLMARK_APOPTOSIS	154	-0.4146	-1.1628	0.23706897	0.378633	1	889	tags=12%, list=3%, signal=12%
HALLMARK_TGF_BETA_SIGNALING	53	-0.46959	-1.1788	0.25415283	0.379338	1	2669	tags=28%, list=9%, signal=31%
HALLMARK_FATTY_ACID_METABOLISM	144	-0.42531	-1.1908	0.20118344	0.389424	1	1124	tags=11%, list=4%, signal=12%
HALLMARK_BILE_ACID_METABOLISM	98	-0.45134	-1.1937	0.2179289	0.419667	1	1756	tags=16%, list=6%, signal=17%
HALLMARK_MYOGENESIS	187	-0.41828	-1.1956	0.1822034	0.45801	1	2578	tags=17%, list=9%, signal=18%
HALLMARK_REACTIVE_OXIGEN_SPECIES_PATHWA	44	-0.50347	-1.2258	0.22013652	0.440712	0.995	1318	tags=20%, list=5%, signal=21%
HALLMARK_KRAS_SIGNALING_UP	179	-0.4478	-1.2676	0.10970464	0.40298	0.989	1623	tags=13%, list=6%, signal=14%
HALLMARK_SPERMATOGENESIS	114	-0.49177	-1.3222	0.11044776	0.344572	0.97	3305	tags=22%, list=11%, signal=25%
HALLMARK_NOTCH_SIGNALING	31	-0.58139	-1.3371	0.14436619	0.366539	0.957	3537	tags=26%, list=12%, signal=29%
HALLMARK_MITOTIC_SPINDLE	195	-0.51966	-1.4779	0.01445087	0.17935	0.753	3436	tags=30%, list=12%, signal=34%
HALLMARK_G2M_CHECKPOINT	196	-0.61336	-1.7514	0.00144092	0.019057	0.106	3708	tags=43%, list=13%, signal=49%
HALLMARK_KRAS_SIGNALING_DN	166	-0.62563	-1.7621	0.00141243	0.022798	0.097	1624	tags=10%, list=6%, signal=10%
HALLMARK_E2F_TARGETS	194	-0.65775	-1.8718	0	0.007877	0.023	3475	tags=37%, list=12%, signal=41%
HALLMARK_HEME_METABOLISM	181	-0.89676	-2.5523	0	0	0	1128	tags=50%, list=4%, signal=52%