Biological process for genes selected from LL vs. RR comparison

Category	Term	Count	%	PValue	Genes	Fold Enrich	Bonferroni	Benjamini
GOTERM_	GO:000181	9	20.45455	8.84E-05	POSTN, CD	5.937005	0.130687	0.116402
GOTERM_	GO:000695	13	29.54545	1.47E-04	SLC11A1, R	3.488878	0.207704	0.116402
GOTERM_	GO:000996	12	27.27273	3.13E-04	CYP27B1, (	3.497899	0.390828	0.148575
GOTERM_	GO:000225	7	15.90909	4.01E-04	CD40LG, LA	6.9375	0.469836	0.148575
GOTERM_	GO:001094	12	27.27273	5.04E-04	SCIN, CD40	3.310139	0.549668	0.148575
GOTERM_	GO:001064	12	27.27273	6.50E-04	CYP27B1, C	3.212219	0.643059	0.148575
GOTERM_	GO:002305	12	27.27273	6.79E-04	CYP27B1, C	3.195777	0.659019	0.148575
GOTERM_	GO:000193	9	20.45455	9.04E-04	CD40LG, M	4.20927	0.761454	0.148575
GOTERM_	GO:003140	10	22.72727	0.001064	CD40LG, M	3.641732	0.814649	0.148575
GOTERM_	GO:190253	9	20.45455	0.001083	CD40LG, GI	4.094262	0.820199	0.148575
GOTERM_	GO:004298	11	25	0.00113	SCIN, CD40	3.270536	0.833259	0.148575
GOTERM_	GO:004306	11	25	0.001213	SCIN, CD40	3.240446	0.853849	0.148575
GOTERM_	GO:004232	9	20.45455	0.001219	CD40LG, M	4.019582	0.855237	0.148575
GOTERM_	GO:004858	13	29.54545	0.001722	SLC11A1, G	2.66564	0.934752	0.18374
GOTERM_	GO:004306	7	15.90909	0.001989	SCIN, CD40	5.093969	0.957322	0.18374
GOTERM_	GO:000181	7	15.90909	0.002078	POSTN, CD	5.049827	0.962959	0.18374
GOTERM_	GO:004306	7	15.90909	0.002078	SCIN, CD40	5.049827	0.962959	0.18374
GOTERM_	GO:000695	11	25	0.002088	CYP27B1, C	3.016304	0.963512	0.18374
GOTERM_	GO:003409	8	18.18182	0.002337	CYP27B1, P	4.15212	0.975421	0.19293
GOTERM_	GO:001056	9	20.45455	0.002581	CD40LG, M	3.571258	0.983327	0.19293
GOTERM_	GO:004593	9	20.45455	0.002581	CD40LG, M	3.571258	0.983327	0.19293
GOTERM_	GO:001094	7	15.90909	0.00268	SCIN, CD40	4.800247	0.985738	0.19293
GOTERM_	GO:000695	7	15.90909	0.003404	CD40LG, SL	4.574176	0.995487	0.228055
GOTERM_	GO:003399	8	18.18182	0.003455	CYP27B1, P	3.872093	0.995842	0.228055
GOTERM_	GO:000821	12	27.27273	0.004228	SCIN, CD40	2.551073	0.998783	0.267903
GOTERM_	GO:003227	10	22.72727	0.004716	CD40LG, M	2.931338	0.99944	0.287285
GOTERM_	GO:004341	6	13.63636	0.005226	CD40LG, GI	5.149485	0.999751	0.299575
GOTERM_	GO:003249	5	11.36364	0.005296	CYP27B1, C	6.891556	0.999777	0.299575
GOTERM_	GO:000687	3	6.818182	0.005634	SLC11A1, H	26.01563	0.99987	0.306494
GOTERM_	GO:000691	11	25	0.005805	SCIN, CD40	2.620922	0.999901	0.306494
GOTERM_	GO:000223	5	11.36364	0.006207	CYP27B1, C	6.586234	0.999948	0.317142
GOTERM_	GO:005124	10	22.72727	0.006983	CD40LG, M	2.760279	0.999985	0.325943
GOTERM_	GO:007083	2	4.545455	0.007011	SLC11A1, H	277.5	0.999986	0.325943
GOTERM_	GO:000989	15	34.09091	0.007103	MUSK, CEB	2.04579	0.999988	0.325943
GOTERM_	GO:000996	14	31.81818	0.007202	POSTN, GO!	2.13618	0.999989	0.325943
GOTERM_	GO:001250	11	25	0.00872	SCIN, CD40	2.472327	0.999999	0.375804
GOTERM_	GO:000682	3	6.818182	0.008967	SLC11A1, H	20.47131	0.999999	0.375804
GOTERM_	GO:000828	11	25	0.009015	CYP27B1, S	2.460371	0.999999	0.375804
GOTERM_	GO:000193	9	20.45455	0.009392	CD40LG, M	2.881731	1	0.379536
GOTERM_	GO:001003	14	31.81818	0.009584	POSTN, CEE	2.065025	1	0.379536
GOTERM_	GO:003010	4	9.090909	0.011666	SLC11A1, A	8.242574	1	0.450177
GOTERM_	GO:005507	3	6.818182	0.012324	SLC11A1, H	17.34375	1	0.450177
GOTERM_	GO:000181	5	11.36364	0.012339	POSTN, CD	5.391839	1	0.450177
GOTERM_	GO:004471	7	15.90909	0.012505	CYP27B1, A	3.481183	1	0.450177
GOTERM_	GO:003139	10	22.72727	0.012998	CD40LG, M	2.501502	1	0.457526

GOTERM_ GO:001921	3	6.818182	0.013661	CYP27B1, A	16.43092	1	0.469575
GOTERM_ GO:004232	9	20.45455	0.013933	CD40LG, M	2.68934	1	0.469575
GOTERM_ GO:004691	3	6.818182	0.015417	SLC11A1, H	15.41667	1	0.47978
GOTERM_ GO:001988	4	9.090909	0.015932	SLC11A1, C	7.334802	1	0.47978
GOTERM_ GO:003226	12	27.27273	0.016129	CSTB, CD4(	2.129156	1	0.47978
GOTERM_ GO:200010	3	6.818182	0.016145	RORC, BIR(	15.04518	1	0.47978
GOTERM_ GO:004800	2	4.545455	0.016285	CD1E, CD1I	118.9286	1	0.47978
GOTERM_ GO:004800	2	4.545455	0.016285	CD1E, CD1I	118.9286	1	0.47978
GOTERM_ GO:001064	14	31.81818	0.016671	POSTN, G0!	1.929636	1	0.47978
GOTERM_ GO:006054	7	15.90909	0.017114	CD40LG, GI	3.248328	1	0.47978
GOTERM_ GO:000828	6	13.63636	0.017264	CYP27B1, S	3.836406	1	0.47978
GOTERM_ GO:003327	3	6.818182	0.017265	CYP27B1, P	14.52035	1	0.47978
GOTERM_ GO:000177	7	15.90909	0.01825	CD40LG, GI	3.201923	1	0.498416
GOTERM_ GO:000689	6	13.63636	0.018757	CEBPE, SLC	3.755639	1	0.500502
GOTERM_ GO:002305	14	31.81818	0.018989	POSTN, G0!	1.898208	1	0.500502
GOTERM_ GO:007135	4	9.090909	0.019274	POSTN, CD	6.82377	1	0.500502
GOTERM_ GO:004340	6	13.63636	0.020219	CD40LG, GI	3.683628	1	0.516566
GOTERM_ GO:006058	2	4.545455	0.02089	SLC11A1, H	92.5	1	0.525225
GOTERM_ GO:003264	3	6.818182	0.023336	GPNMB, A(	12.36386	1	0.548356
GOTERM_ GO:003461	4	9.090909	0.023437	POSTN, CD	6.330798	1	0.548356
GOTERM_ GO:004586	5	11.36364	0.023652	CD40LG, SL	4.428191	1	0.548356
GOTERM_ GO:007188	3	6.818182	0.023768	RORC, BIR(	12.24265	1	0.548356
GOTERM_ GO:004274	4	9.090909	0.024136	CEBPE, SLC	6.259398	1	0.548356
GOTERM_ GO:000646	10	22.72727	0.024715	CD40LG, M	2.24757	1	0.548356
GOTERM_ GO:003268	3	6.818182	0.025084	GPNMB, A(	11.89286	1	0.548356
GOTERM_ GO:003132	13	29.54545	0.025189	MUSK, CEB	1.906041	1	0.548356
GOTERM_ GO:004212	9	20.45455	0.025209	CYP27B1, S	2.413821	1	0.548356
GOTERM_ GO:004308	9	20.45455	0.025822	CYP27B1, (	2.402983	1	0.548356
GOTERM_ GO:005124	12	27.27273	0.025828	CSTB, CD4(	1.988455	1	0.548356
GOTERM_ GO:001060	13	29.54545	0.026294	MUSK, CEB	1.894695	1	0.548356
GOTERM_ GO:190355	3	6.818182	0.026429	GPNMB, A(	11.5625	1	0.548356
GOTERM_ GO:000150	5	11.36364	0.027044	ADAMTS4,	4.247449	1	0.548356
GOTERM_ GO:007066	4	9.090909	0.027545	CD40LG, GI	5.946429	1	0.548356
GOTERM_ GO:007170	3	6.818182	0.027803	GPNMB, A(	11.25	1	0.548356
GOTERM_ GO:005507	3	6.818182	0.027803	SLC11A1, H	11.25	1	0.548356
GOTERM_ GO:000004	3	6.818182	0.028734	SLC11A1, H	11.05088	1	0.548356
GOTERM_ GO:004580	3	6.818182	0.028734	SLC11A1, N	11.05088	1	0.548356
GOTERM_ GO:000246	4	9.090909	0.029082	CD40LG, SL	5.821678	1	0.548356
GOTERM_ GO:004532	6	13.63636	0.029243	CD40LG, GI	3.343373	1	0.548356
GOTERM_ GO:005124	7	15.90909	0.029653	GPNMB, SL	2.865044	1	0.548356
GOTERM_ GO:003367	5	11.36364	0.029772	CD40LG, SL	4.121287	1	0.548356
GOTERM_ GO:001922	9	20.45455	0.03061	CD40LG, M	2.326863	1	0.55277
GOTERM_ GO:005117	9	20.45455	0.030709	CD40LG, M	2.325419	1	0.55277
GOTERM_ GO:003214	4	9.090909	0.03229	CD40LG, SL	5.587248	1	0.574684
GOTERM_ GO:009860	6	13.63636	0.034183	POSTN, CD	3.206033	1	0.60162
GOTERM_ GO:000247	2	4.545455	0.034579	CD1E, CD1I	55.5	1	0.601905
GOTERM_ GO:004206	5	11.36364	0.037186	POSTN, CD	3.839945	1	0.629185

GOTERM_ GO:003555	12	27.27273	0.037404	RAB42, CD4	1.87994	1	0.629185
GOTERM_ GO:000961	5	11.36364	0.037614	CYP27B1, C	3.825827	1	0.629185
GOTERM_ GO:004887	4	9.090909	0.037735	SLC11A1, A	5.252366	1	0.629185
GOTERM_ GO:000268	8	18.18182	0.038803	SCIN, CD40	2.416546	1	0.640243
GOTERM_ GO:005506	5	11.36364	0.040696	CYP27B1, S	3.729839	1	0.641128
GOTERM_ GO:004306	6	13.63636	0.040879	CD40LG, LA	3.053178	1	0.641128
GOTERM_ GO:004690	7	15.90909	0.040924	POSTN, SCI	2.653689	1	0.641128
GOTERM_ GO:005079	11	25	0.041158	CSTB, CYP2	1.942618	1	0.641128
GOTERM_ GO:003287	3	6.818182	0.041933	CD40LG, BI	8.983813	1	0.641128
GOTERM_ GO:190253	9	20.45455	0.042247	CD40LG, GI	2.185677	1	0.641128
GOTERM_ GO:007030	3	6.818182	0.042479	CD40LG, BI	8.919643	1	0.641128
GOTERM_ GO:004306	6	13.63636	0.042904	CD40LG, LA	3.012666	1	0.641128
GOTERM_ GO:005170	6	13.63636	0.042904	CYP27B1, C	3.012666	1	0.641128
GOTERM_ GO:004320	6	13.63636	0.042904	CYP27B1, C	3.012666	1	0.641128
GOTERM_ GO:004508	6	13.63636	0.044224	CYP27B1, S	2.98744	1	0.654681
GOTERM_ GO:000016	6	13.63636	0.045182	CD40LG, GI	2.969679	1	0.662671
GOTERM_ GO:000018	3	6.818182	0.045811	CD40LG, SA	8.553082	1	0.664556
GOTERM_ GO:005124	8	18.18182	0.04615	CYP27B1, P	2.327044	1	0.664556
GOTERM_ GO:000960	10	22.72727	0.046653	CYP27B1, P	2.007959	1	0.665751
GOTERM_ GO:000228	3	6.818182	0.047512	CD40LG, SL	8.380872	1	0.671957
GOTERM_ GO:200037	3	6.818182	0.049816	ACP5, CLU,	8.161765	1	0.69831
GOTERM_ GO:000960	6	13.63636	0.051614	CYP27B1, C	2.860825	1	0.717159
GOTERM_ GO:002301	6	13.63636	0.052454	CD40LG, GI	2.847777	1	0.717471
GOTERM_ GO:007129	2	4.545455	0.052542	CYP27B1, P	36.19565	1	0.717471
GOTERM_ GO:003434	3	6.818182	0.054544	CYP27B1, S	7.756211	1	0.732186
GOTERM_ GO:003016	3	6.818182	0.054544	CD40LG, SA	7.756211	1	0.732186
GOTERM_ GO:005254	4	9.090909	0.055972	CSTB, LAMI	4.475806	1	0.739311
GOTERM_ GO:001619	8	18.18182	0.056008	SCIN, CEBP	2.228916	1	0.739311
GOTERM_ GO:001407	6	13.63636	0.058792	CYP27B1, P	2.756623	1	0.762154
GOTERM_ GO:001988	3	6.818182	0.059425	CD1E, CTSD	7.389053	1	0.762154
GOTERM_ GO:006500	12	27.27273	0.059751	CSTB, CYP2	1.744673	1	0.762154
GOTERM_ GO:004409	9	20.45455	0.059995	CYP27B1, C	2.036005	1	0.762154
GOTERM_ GO:000758	3	6.818182	0.060669	CYP27B1, P	7.302632	1	0.762154
GOTERM_ GO:005134	5	11.36364	0.061596	CD40LG, SL	3.251953	1	0.762154
GOTERM_ GO:005105	6	13.63636	0.062006	POSTN, SCI	2.714674	1	0.762154
GOTERM_ GO:005508	5	11.36364	0.062453	CYP27B1, S	3.236781	1	0.762154
GOTERM_ GO:004664	5	11.36364	0.062453	CD40LG, GI	3.236781	1	0.762154
GOTERM_ GO:004209	3	6.818182	0.06255	CD40LG, GI	7.176724	1	0.762154
GOTERM_ GO:000961	5	11.36364	0.064185	POSTN, CD4	3.206857	1	0.768848
GOTERM_ GO:200123	3	6.818182	0.064452	G0S2, CLU,	7.055085	1	0.768848
GOTERM_ GO:004559	8	18.18182	0.064728	CYP27B1, P	2.156736	1	0.768848
GOTERM_ GO:005254	4	9.090909	0.065041	CSTB, LAMI	4.204545	1	0.768848
GOTERM_ GO:009877	5	11.36364	0.066831	CYP27B1, S	3.162994	1	0.780497
GOTERM_ GO:005134	4	9.090909	0.067012	CSTB, LAMI	4.15212	1	0.780497
GOTERM_ GO:001631	10	22.72727	0.068501	CD40LG, M	1.867429	1	0.792006
GOTERM_ GO:003294	6	13.63636	0.073269	POSTN, SCI	2.585404	1	0.841004
GOTERM_ GO:003167	2	4.545455	0.07671	CYP27B1, P	24.48529	1	0.874167

GOTERM_ GO:005080	5	11.36364	0.079605	CYP27B1, S	2.977468	1	0.883784
GOTERM_ GO:003287	3	6.818182	0.079659	CD40LG, BI	6.24375	1	0.883784
GOTERM_ GO:004328	3	6.818182	0.079659	LAMP3, BIF	6.24375	1	0.883784
GOTERM_ GO:007088	11	25	0.07986	CYP27B1, P	1.729135	1	0.883784
GOTERM_ GO:007030	3	6.818182	0.080344	CD40LG, BI	6.212687	1	0.883784
GOTERM_ GO:003016	5	11.36364	0.082564	CSTB, LAMI	2.939619	1	0.901945
GOTERM_ GO:005112	10	22.72727	0.084451	CYP27B1, P	1.791864	1	0.912471
GOTERM_ GO:000725	2	4.545455	0.085349	CD40LG, BI	21.90789	1	0.912471
GOTERM_ GO:004211	4	9.090909	0.085963	CD40LG, GI	3.733184	1	0.912471
GOTERM_ GO:007048	4	9.090909	0.085963	CD40LG, GI	3.733184	1	0.912471
GOTERM_ GO:007159	4	9.090909	0.086408	CD40LG, GI	3.724832	1	0.912471
GOTERM_ GO:006062	4	9.090909	0.087301	SLC11A1, A	3.708241	1	0.915798
GOTERM_ GO:000236	3	6.818182	0.087999	CD40LG, SL	3.708241	1	0.915798
GOTERM_ GO:000226	3	6.818182	0.089414	CD40LG, SL	5.83528	1	0.920047
GOTERM_ GO:007048	4	9.090909	0.089552	CD40LG, GI	3.667401	1	0.920047
GOTERM_ GO:004585	5	11.36364	0.09003	CD40LG, SL	2.851027	1	0.920047
GOTERM_ GO:004340	3	6.818182	0.09155	CD40LG, SA	5.754608	1	0.929581
GOTERM_ GO:003009	5	11.36364	0.093177	SCIN, CD40	2.816306	1	0.940079
GOTERM_ GO:007259	3	6.818182	0.095142	ACP5, CLU,	5.625	1	0.953831
GOTERM_ GO:000181	3	6.818182	0.095866	GPNMB, SL	5.599776	1	0.95504
GOTERM_ GO:200011	3	6.818182	0.096591	LAMP3, BIF	5.574777	1	0.956249
GOTERM_ GO:005076	2	4.545455	0.098159	SLC11A1, N	18.92045	1	0.965743
GOTERM_ GO:000252	4	9.090909	0.098799	CD40LG, CE	3.512658	1	0.966031

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0.920191
0.930584
0.944197
0.945393
0.94659
0.955988
0.956273