

Polito et al. Universal ready-to-use immunotherapeutic approach for the treatment of cancer: expanded and activated polyclonal  $\gamma\delta$  memory T cells.

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AB1_t0 Signaling score	AB2_t0 Signaling score	AB3_t0 Signaling score	AB1_Dp18 Signaling score	AB3_Dp18 Signaling score	AB4_Dp18 Signaling score
-0,886482	-0,513104	0,00846228	1,32252	1,70772	1,51633
-0,139164	-0,519856	-0,88991	1,03694	1,25087	0,994572
-1,61308	-0,340411	-1,33485	0,300681	-0,0368168	0,408752
-1,02909	0,0513723	0,0465398	1,33181	1,69135	1,52091
-0,800767	-0,380819	-0,470859	1,85338	1,43491	1,61968
-1,08254	-0,661037	-0,0384358	0,649662	0,72357	-0,0384358
-1,12336	0,142955	-0,159596	-1,15839	-1,09172	-1,2512
0,455538	-0,179135	0,673114	-0,969705	-0,777214	-0,969705
-1,20269	-0,473053	-0,823874	1,39609	0,521229	0,562114
-0,994099	-0,619495	-0,821999	1,38155	0,554445	0,593135
-1,31314	-1,46799	-1,73694	0,191562	1,08153	0,0294724
-0,731801	-0,153073	-0,600734	-0,279663	-0,584276	-0,249362
-0,926974	-0,663437	-1,0786	1,28104	1,71178	1,50759
-1,09887	-0,514043	-0,166833	0,0559544	0,570882	0,241576
-0,991767	-1,13845	-0,708238	1,39842	0,530197	0,568806
-0,044891	0,383064	-0,257386	-0,359109	0,049742	0,137106
0,80952	0,484203	0,80952	-0,429078	-0,103761	0,80952
-0,306852	-0,248178	-0,0286312	0,717498	1,28931	-0,122654
1,03598	0,469693	0,305781	-0,255398	-0,400116	0,196278
-0,298772	0,178428	0,0672807	0,324835	1,3371	0,190595
-1,07286	-0,367839	-0,524248	0,739432	0,679631	0,106006
-0,921498	-0,967815	-0,760095	1,21887	1,34066	0,323173
-1,65446	-1,66392	-1,43776	0,888573	0,990223	0,61121
0,727203	0,49628	0,156762	0,74705	0,327044	0,353336
-0,23484	0,349102	0,52037	1,35456	1,43705	-0,00634774
-0,72788	-0,864933	-1,39193	1,41939	0,919514	0,601966
0,59121	0,417695	1,20578	1,32099	0,316002	1,45481
0,299555	-1,15536	-0,446672	1,31129	1,66067	1,49505
-1,125	-0,431533	0,325881	0,515192	0,569121	-0,286556
-0,282423	-0,200457	-0,427774	1,30945	1,70864	1,5194
-1,43117	-1,20418	-0,766747	0,555248	1,14178	1,18222
-0,807628	-0,475531	-0,439138	-0,0566025	0,471588	0,219944
-0,685365	-0,148926	-1,04185	1,30878	1,73197	1,53655

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1,05096	-0,0242991	0,864969	-0,28441	-0,484807	0,0295452
-0,81601	-0,81601	-0,81601	0,262718	0,177064	-0,174469
0,553476	0,371447	1,20308	1,32789	0,263093	1,46746
-0,982629	-0,982629	-0,347598	0,52669	0,587785	0,266814
-1,03684	-1,02895	-1,05939	1,38854	0,537978	0,557215
0,571324	0,388973	1,22322	1,34711	0,280427	1,48692
0,599994	0,439134	1,18208	1,29894	0,341149	1,41729
-0,614928	-0,869091	-0,822131	1,53068	1,15637	-0,0924745
-1,23174	-0,775348	-0,276226	1,26336	2,04482	1,20073
-0,416965	0,437051	0,425616	1,0004	0,892645	0,583985
-0,870405	-0,212877	-0,505936	1,13821	0,636105	0,0945579
0,99551	0,513047	0,709749	-1,2358	-0,308559	-1,54489
0,574533	0,985322	0,749298	0,808701	0,357002	-0,418066
-0,487206	0,145187	0,329308	1,47288	1,23121	0,684573
0,277997	0,829817	0,6282	-0,434934	-0,323197	0,325269
-0,33193	-0,455261	-0,354424	1,32224	1,70986	1,52611
-0,415942	-0,967374	-0,415621	1,36425	1,73346	1,55284
-1,09323	-0,300606	-0,85463	0,649484	0,925228	0,149767
-1,20878	-0,393655	-0,511272	1,23344	1,6874	1,4722
-0,89929	-0,89929	-0,711257	0,726711	0,387883	0,139318
-1,33523	-0,479562	0,14092	1,05122	0,918122	0,542441
-0,983744	-0,983744	-0,349987	0,525726	0,599033	0,270198
-1,13106	-0,438471	0,302882	0,525767	0,577469	-0,236216
-0,346234	-0,666047	-0,688889	1,40532	1,80615	1,61613
-0,990001	-1,00491	-0,76974	0,928203	1,34225	0,313175
-0,402818	0,443351	0,424309	1,00479	0,893374	0,588935
-0,277997	0,188477	0,0839481	0,336647	1,32377	0,22222
-0,303805	1,18576	1,00064	-1,05288	-0,914481	-0,966251
0,159076	0,427139	-1,18951	0,293898	0,863653	0,428364
-0,639095	-0,0820005	0,0924676	1,32066	1,73409	1,54318
-0,867513	-0,519056	0,219534	1,27962	1,70178	1,50684
-1,12096	-0,44227	0,236419	0,543643	0,645958	-0,228167
0,673595	0,45249	0,673595	0,45249	-0,784482	-0,391875
0,404033	0,57798	0,552878	0,265832	-0,227065	0,706316

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-0,949797	-0,949797	-0,203984	0,482592	-0,203984	0,793143
-1,37275	-0,753843	-0,834147	1,09505	1,03285	0,517879
-1,01377	-1,01377	-1,01377	0,82413	1,41034	0,510734
-1,00589	-0,0322595	-0,937837	1,27612	1,66162	1,15366
0,486387	0,0720167	0,981112	1,07709	0,0520389	0,183806
-0,333566	-0,267288	-0,628496	0,211587	0,228402	0,133717
-0,3322	-0,985044	-0,271119	1,29363	1,70538	1,50079
-0,53906	-0,770787	-0,880667	1,08274	1,48336	0,187342
-0,783316	-0,289441	-0,0177915	1,32273	1,70495	1,51503
-0,388319	0,2211	0,407215	1,5136	1,09721	0,746796
-1,14989	0,317499	0,436386	-1,44774	-1,04845	-1,42917
0,343965	0,206979	1,25332	0,511836	-0,0470106	1,15302
0,645815	1,18671	0,630803	-0,638354	-1,18192	-0,598469
-1,04571	-0,567289	-0,332911	0,621765	0,699839	-0,203508
0,810646	0,439836	0,474854	-0,942312	-0,998976	0,0108994
-0,769053	0,250858	-0,459311	0,458599	1,12041	-0,0498557
1,15362	0,38663	0,420513	-0,357908	-0,497818	0,032017
0,615459	0,435423	-0,464582	0,783638	0,632727	0,769076
-1,1617	-0,816776	-0,929831	0,605738	1,17444	1,06914
-0,246086	0,262837	0,134595	0,275161	1,34395	0,0246144
-1,21664	-0,770727	-0,502982	-0,100636	-0,164384	-0,17472
-1,15488	-0,749735	-0,563733	1,19882	1,05961	1,08436
0,979228	0,620705	0,238172	-0,285944	-0,398453	-0,0586343
-0,708824	-0,407167	-0,203272	0,657284	1,19699	0,495014
1,51537	0,686877	0,906904	0,0602228	-0,055487	-0,038759
-1,25858	-0,172979	-0,386366	0,566042	0,628937	0,217819
0,370725	0,0193701	-0,877717	1,51373	1,39713	1,56487
0,584121	1,04184	0,475913	0,851492	0,394186	0,128229
-0,223002	-0,131401	0,0364401	0,749143	1,18677	0,0265794
0,471935	0,322525	0,397675	-1,47554	-1,01664	-1,93402
-0,45631	0,335939	0,569833	1,50872	1,17637	0,307842
-0,892794	-0,920547	-0,747157	1,42323	1,45895	0,368421
-0,309141	-0,49474	-0,475028	-0,767487	-0,439527	-1,71633
-0,968071	-0,122242	-0,626569	1,2129	0,611767	-0,0595462

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-0,607478	-0,327689	-0,24004	1,20401	1,57801	1,40531
-0,987844	-0,203093	-0,646502	1,06748	0,951237	-0,229
-1,22742	-0,657269	-0,637711	1,3019	1,27135	0,992502
1,23285	-0,0152881	0,138806	-0,330758	-0,53798	0,0559845
1,18181	0,436561	0,291914	-0,474996	-0,589168	0,0889568
-0,832369	-0,548728	-1,12603	0,187187	0,035469	-0,475484
-0,42299	0,461855	0,443373	1,00969	0,906744	0,556582
-0,211765	0,64933	0,089898	-1,57	-0,612834	-1,49607
0,18362	0,0859319	0,674571	-0,238837	0,674571	0,18362
-0,989032	-0,989032	-0,429126	0,778734	0,522131	0,45232
-0,905424	-1,48602	-0,888391	-0,50097	-0,702282	-1,04121
-0,252258	-0,184559	-1,058	1,32073	1,2768	1,4983
0,625353	0,464179	1,19721	1,30475	0,371395	1,42753
-0,986042	-0,455303	-0,610101	1,27376	1,66707	1,47989
-0,838557	-0,317148	-0,289385	1,16776	1,53492	1,3553
-1,27186	-0,303958	-0,986954	0,902973	1,29876	1,0221
-0,949426	-0,163831	-0,367459	0,194723	0,821767	0,105824
-0,639961	-0,529976	0,198767	1,28972	1,74275	1,52112
-0,626984	-0,00110429	0,0090551	1,26416	1,62112	1,45629
-1,20427	-0,677298	-0,662788	1,0743	1,57873	0,219965
-0,374184	0,268809	0,461142	1,62207	0,974512	0,511766
-0,504689	0,240884	-0,49184	1,32414	1,80346	1,56523
-1,00886	-0,843009	-0,794563	1,2582	1,61873	1,37563
-0,976445	-0,656315	-0,411757	1,73431	1,69774	1,19596
1,18021	0,3257	-0,152038	1,08699	0,98554	0,501931
-1,11669	-0,460527	-1,05321	0,792498	1,37044	0,492659
-0,994361	-0,240348	-0,68993	1,05251	0,934852	0,0840634
-0,829932	-0,504931	-0,772956	-0,154443	-0,161564	-0,548041
0,716353	0,388645	0,716353	-0,266771	0,196948	0,716353
-0,276375	0,178198	0,0855112	0,33817	1,32417	0,201549
-0,788046	-0,235184	-1,02152	1,20349	1,63604	1,42112
1,15512	0,323584	-0,152816	1,09492	1,00486	0,500466
1,15866	0,309231	-0,16042	1,09837	1,0082	0,499049
-0,687059	-0,972442	-0,699906	0,766268	-0,33952	-0,639547

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-0,720732	-1,14416	-0,355505	0,75322	1,33944	0,442475
0,370725	0,0193701	-0,877717	1,51373	1,39713	1,56487
0,393292	0,970423	0,151932	-1,52437	-1,4732	-0,530583
0,436658	0,571975	1,0143	-1,95685	-0,994799	-1,09909
1,06452	1,11042	-0,28137	-0,794804	-0,555749	-0,860369
-1,19668	-0,132032	-0,960575	1,29979	1,68233	1,50284
-0,236446	1,00404	-0,129563	-1,1511	-0,573376	-1,26082
-1,30983	-0,746277	-0,292409	0,761612	1,33505	0,457647
-0,861878	-0,387173	-0,192647	1,5438	1,61039	1,61975
-1,20167	-0,937196	-0,656746	0,770773	1,39446	0,450137
-0,965966	-0,137243	-0,358937	0,267689	0,844925	0,131111
0,556231	0,36477	1,23555	1,36149	0,254551	1,50915
0,0888979	0,176233	1,04677	-0,491724	-0,0910229	-0,724034
-0,928151	-0,775702	-0,532401	1,03318	1,35461	0,494482
-1,12272	-0,840026	0,143016	1,79419	1,64	1,08478
-0,994206	-0,240036	-0,689711	1,05309	0,933947	0,0823451
-0,155476	-0,28826	-0,795341	1,59897	1,48224	1,65018
0,675638	0,384525	0,393573	0,597666	0,442058	1,20795
1,17859	-0,0215338	0,349805	-0,225502	-0,900149	0,0342273
-0,838462	0,0589088	0,0373094	1,50334	1,74973	1,41415
-0,983221	-0,983221	-0,348651	0,521791	0,591314	0,27233
0,955958	0,308446	0,998046	0,0221775	-0,639557	0,249714
-0,0405516	0,638372	-0,150089	0,134468	1,07905	-0,129978
-0,90564	-0,90564	-0,90564	0,70591	0,524847	0,534674
1,43551	0,297357	0,277152	-0,23499	-0,193951	0,153917
-1,07333	-0,888417	-0,959891	1,37085	1,30098	0,18907
1,05023	0,501527	0,779448	0,219524	-1,16795	0,302489
1,1816	0,324749	-0,154296	1,08813	0,986394	0,501462
-0,961175	-0,362011	0,301016	0,22729	-0,145839	0,649313
-0,792762	-1,14218	0,413153	1,31292	1,74276	1,54427
0,731936	0,359648	0,141874	0,359648	0,359648	0,731936
-1,16795	-0,876892	-0,591408	0,0955101	0,0236188	-0,0748724
-1,00058	-0,140633	-0,607523	1,21775	0,651421	-0,234286
0,617557	0,808413	0,651057	0,840253	0,413081	-0,442076

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0,612642	0,451898	1,18911	1,29512	0,35753	1,41846
-0,295853	-0,246633	-0,0156137	0,680085	1,26313	-0,119692
1,06469	0,337373	0,167099	-0,147742	-0,612158	0,142986
0,0813302	-0,436579	-0,544609	1,35528	1,75254	1,5647
0,695384	0,695384	0,343058	-0,361593	0,695384	0,695384
-1,19474	-0,509482	-0,157845	0,168519	0,508378	0,530055
-0,470396	-0,681066	0,370453	1,23883	1,58756	1,41967
-0,878122	-0,15954	0,0890546	-0,469325	0,296238	-0,917777
-0,592509	-1,14587	-0,680474	1,65066	1,00329	0,863009
-1,10878	-0,656913	0,295727	1,30884	1,69199	1,51614
-0,751328	-0,366498	-0,0267092	1,30215	1,67015	1,50345
-1,08996	-0,559784	0,29819	0,453117	0,615006	-0,354685
-0,782026	-0,372633	-0,554577	1,56433	1,62955	1,63796
-0,952187	-0,566182	-0,342347	1,42998	1,80873	1,27729
1,15939	0,325819	-0,154917	1,08506	1,00877	0,494962
-1,01124	-1,01124	-1,01124	0,886596	1,3592	0,68375
0,21039	0,931237	0,0329779	0,0184079	0,825582	-0,637983
-1,04278	-1,02961	-0,829208	0,707954	1,21606	0,753335
-0,805714	0,269072	-0,410807	1,39817	1,94512	1,22928
-1,07695	-0,689274	-0,171836	0,167424	0,615378	0,258406
-1,09457	-0,00262749	-0,318738	1,27219	1,66966	1,48612
-1,02377	-0,972942	-0,556914	0,584161	1,17322	1,05872
-0,419386	0,494363	-0,686055	1,25245	1,20508	1,44395
-0,922	-0,00918886	-0,170228	-0,785604	-0,0742734	-0,693683
1,19616	0,329842	-0,156251	1,08509	0,983268	0,497919
-0,854363	-0,854363	-0,124456	-0,00696737	-0,48941	0,57147
-0,810691	-1,16031	-1,04479	1,39508	1,81362	0,355986
-0,95915	-0,95915	-0,333059	0,476151	-0,0200138	0,816576
-1,15119	-0,23918	-0,23918	0,224953	0,727217	-0,08031
-0,0659401	0,381728	0,805514	0,121935	-0,0927902	-1,19459
0,851854	0,809608	0,809608	0,601547	0,474706	0,567611
-0,965788	-0,136388	-0,622257	1,2162	0,620271	-0,0695866
-0,429927	0,451602	0,436931	0,994051	0,892048	0,563305
-1,00092	0,137143	-0,891627	1,03245	1,30496	0,634576

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0,862463	1,13842	-0,323957	-0,901851	-0,267641	-1,17437
1,14389	0,815324	0,742253	-0,691133	-0,194437	-0,25597
-0,465729	-0,823165	-0,71522	1,13598	1,51612	0,172974
-0,609321	-0,24265	0,642874	0,0779926	-0,339097	0,242063
-1,12622	0,0718208	-0,580267	0,361588	0,731887	0,0892372
-1,31003	-0,783923	-0,411312	1,00532	1,29746	0,955364
-1,25736	-0,481556	-0,156953	0,394592	0,317457	0,296909
-1,26171	-0,119879	0,317888	0,485393	0,350558	0,296555
-0,628922	-0,632147	-0,848482	0,797153	1,55029	0,765626
0,628584	0,430017	-0,464647	0,786229	0,634229	0,778045
0,862393	0,577031	0,622894	0,615628	0,594296	0,0758308
1,73045	1,20857	1,72443	-0,671267	0,0210475	-0,549402
0,574414	0,395416	1,21895	1,34671	0,286801	1,47968
-0,765221	0,423917	-0,454564	0,340939	1,11387	-0,12204
-0,825782	-1,11197	-1,02406	0,96386	1,15354	0,351904
0,658094	0,600251	1,20456	0,664874	0,71047	0,577006
1,17035	-0,0320729	0,346509	-0,227752	-0,901	0,0214082
-0,131083	-0,560034	0,46379	1,23085	1,65141	1,45721
-1,0366	-1,0366	-1,0366	0,88038	1,36067	0,576161
1,52138	1,44742	0,602122	-0,713643	-1,30827	-1,7294
-0,765046	-0,780231	-1,38943	1,50258	0,928702	0,623411
-0,627423	-0,0092557	-0,951345	1,33731	0,687648	0,28303
0,402706	0,816029	0,402706	-0,867568	0,198467	-0,225557
-0,109499	-0,216823	-0,909689	1,38699	1,80829	1,60218
-0,305009	-0,248421	-0,021869	0,672628	1,27216	-0,12211
1,06676	1,11303	-0,271526	-0,802337	-0,56092	-0,863485
-0,96174	-0,204065	0,0172002	1,28127	1,67769	1,48976
-0,752501	-0,81023	-1,08358	0,74377	1,26682	0,614502
0,359001	0,441646	0,449124	0,563738	0,270507	0,733062
1,1818	0,324627	-0,154598	1,08829	0,98652	0,501406
-0,35909	0,1403	0,42048	1,37113	1,08853	0,640624
-1,11202	-0,540956	-0,201918	0,205641	0,668227	0,268888
-1,02256	-0,302075	-1,20109	0,264997	1,53773	0,234419
-1,01446	-0,240545	-0,283526	0,233953	0,819687	-0,149516

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Anova Photon

1,47732	0,395	0,753091	-0,187886	-0,207911	0,0390134
0,622211	0,432043	-0,463556	0,784549	0,636468	0,776284
0,355302	-0,714694	-0,948826	1,28377	1,70246	1,49442
-1,04938	-0,675209	-0,549258	1,15867	0,629939	0,572716
-0,508513	-0,891673	-1,15939	1,23392	1,32325	0,872628
-0,686469	-0,160019	-0,728968	1,35724	1,75521	1,57144
-1,08372	-0,0491274	-0,726074	0,522662	0,74596	0,0828687
0,162006	-0,30841	-0,895185	1,1199	1,63052	1,37805
-0,982629	-0,982629	-0,347598	0,52669	0,587785	0,266814
1,30149	0,0903744	0,640405	-0,867045	-0,999574	-0,0219119
-1,12216	-0,442225	-0,225922	0,12014	0,575942	0,408995
1,07069	0,862891	0,380608	-0,059954	-0,713145	-1,13492
-1,35236	-0,677537	-0,870906	0,909874	1,31244	1,02774
-0,730438	-0,730438	-0,730438	0,0957374	0,162618	-0,507174
-0,908058	-0,908058	0,0600492	0,302076	0,608672	-0,524455
0,53909	-0,733176	-0,750316	1,27432	1,23269	0,482361
0,861253	-0,178389	0,95378	-0,125171	-0,559486	-0,703979
-0,798747	0,228911	-0,419969	1,28772	1,27926	1,9817
-1,09224	-0,600711	-0,182801	0,158081	0,608177	0,26526
-1,12987	0,0379952	-0,709287	1,32615	1,75241	1,55034
-0,670544	-0,0399398	-0,0940252	0,125286	0,786341	0,111423
-0,0055668	0,626615	-0,0737815	0,131568	1,05916	-0,249072
-1,07224	-0,828843	0,0287909	0,503949	0,716436	0,133607
-0,742191	-0,868219	-0,517292	1,71797	1,26318	1,26318
0,139308	-0,582878	-0,335805	1,25067	1,71314	1,49959
-0,553449	-0,250975	-0,43212	1,35338	1,98263	1,15909
-0,972805	-0,283775	-0,379307	-0,20572	0,994449	-0,379307
0,451619	0,793791	0,740264	-0,734511	-0,255831	-1,5082
0,370725	0,0193701	-0,877717	1,51373	1,39713	1,56487
-0,751865	-0,661551	-0,352039	1,40562	1,79197	1,53501
0,633037	0,57398	0,742377	1,33377	0,365888	1,5452
-0,98587	-0,74512	-1,14668	1,07423	1,00511	0,526828
-0,989386	-0,674267	-0,476585	0,834229	0,836604	0,754875
-0,975328	-0,975328	-0,975328	0,638817	1,11954	0,295988



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0,755085	0,649021	0,853131	-1,48519	-0,712028	-1,15221
0,584938	0,453713	1,09025	1,38552	0,300206	1,54388
1,06529	1,1112	-0,280628	-0,794076	-0,560296	-0,849696
-1,00116	-0,658006	-0,771863	0,227086	-0,0261623	-0,830152
-1,25077	-0,544101	-0,625985	1,19907	1,07922	1,06354
-1,25063	-0,834391	-0,362802	1,25576	1,69635	1,47743
-0,451275	0,578555	-0,547792	-0,649335	-0,517841	-0,978109
1,21388	0,587732	0,652552	0,0264091	-0,534914	-0,863267
-0,964474	-0,964474	-0,596288	0,830717	0,748743	0,197023
-0,994347	-0,239299	-0,689498	1,05317	0,933869	0,083457
-1,12056	-0,786036	-0,702471	0,618555	1,15704	1,04895
1,31297	0,103224	0,274458	-0,243451	-0,902825	0,046695
0,312704	0,767421	0,312704	-0,467115	0,0880109	0,183242
0,585256	0,527886	1,10789	1,29923	0,312683	1,509
0,370725	0,0193701	-0,877717	1,51373	1,39713	1,56487
-0,411109	-0,0304311	0,956917	-0,657371	-0,517337	-0,93061
-0,956611	-0,173117	-0,350206	0,224783	0,815581	0,125383
1,06668	1,10864	-0,275681	-0,794827	-0,564784	-0,868053
-1,34366	-0,723157	-0,503349	1,33294	1,7876	1,57765
-0,0563103	-0,20302	0,235684	1,30868	1,33107	0,42925
-0,587519	0,575577	-0,846727	-0,655949	-0,657957	-0,519583
-0,865279	-0,660473	-0,919026	1,203	-0,358204	0,464913
1,17432	0,308543	-0,154829	1,09795	0,996493	0,512867
0,370725	0,0193701	-0,877717	1,51373	1,39713	1,56487
-0,808146	0,0405087	-0,359823	-0,110537	-0,0287879	-0,40411
-0,374569	-0,223756	-0,238403	1,31294	1,71995	1,527
-0,843615	-0,843615	-0,843615	0,632312	0,353406	0,100358
1,16823	0,319494	-0,155087	1,09189	1,00204	0,498803
-1,16452	0,442723	-0,76069	0,348197	0,571931	0,607905
-0,0753065	-0,0753065	-0,351648	-0,351648	-0,824057	-0,351648
-1,07642	-0,388419	-0,333942	0,631794	0,58964	-0,00568429
0,684558	0,750997	0,448458	0,621062	0,752061	0,672045
-0,569133	-0,521371	-1,56665	0,174252	0,337378	-0,754251
-0,830296	-0,830296	-0,830296	0,448469	0,579587	-0,160224

Anova Photon

-1,26675	-0,0572566	-0,425635	1,334	1,72267	1,53842
-1,1837	-0,967011	-0,861745	0,581641	0,908216	0,24416
-0,952876	0,0405723	-0,0175301	0,641228	1,37775	-0,161508
-0,968955	-0,124056	-0,627829	1,21135	0,613035	-0,0501877
-0,902623	-0,0430615	-0,626645	1,23558	0,723819	-0,252763
-0,854363	-0,477093	-0,616332	0,385646	-0,099824	-0,378302
-1,02496	-0,256296	-0,817239	1,10172	0,541898	-0,203585
-0,773624	-0,53242	-0,300103	0,0650962	0,723521	-0,378687
-0,830695	-0,830695	-0,830695	0,455814	0,578582	-0,160911
0,559057	0,072094	-0,181454	1,18326	1,21207	0,895316
0,671669	0,605201	0,77178	1,34301	0,418237	1,54554
-0,830306	-0,830306	-0,830306	0,448574	0,579704	-0,160173
-1,12254	-0,177094	-0,26154	0,358945	0,132987	0,116197
-0,908239	-0,0758564	-0,5777	1,33539	1,76756	1,55282
-0,829883	-0,829883	-0,829883	0,44093	0,580612	-0,15952
1,17518	1,02531	1,22282	0,0200997	-0,0735162	-0,175222
1,54687	0,673746	0,809085	-0,0796778	-0,915851	-0,0150294
-0,574773	-0,611977	-1,11826	-0,410712	-0,0611277	-0,844181
-0,447912	0,162986	0,342683	1,44713	1,21347	0,673481
-1,09274	-0,860405	-0,123919	0,666005	0,683197	0,616679
-0,685672	-0,240019	-0,499372	-0,0476428	-0,0334816	-0,870398
-1,89348	-1,35259	-1,54014	0,403015	0,403864	0,748173
-0,988368	-0,646423	-0,430679	0,29621	0,174989	-0,145482
-1,14411	-1,12048	-0,673411	1,21645	1,63236	1,44031
-1,08243	-0,519619	-0,584098	0,582021	1,27597	-0,188326
0,943295	-0,182436	0,970667	-0,317286	-0,910695	-0,406287
-0,961767	-0,133029	-0,38075	0,242117	0,842905	0,148801
0,908437	1,09628	1,04709	-0,763058	-0,89003	-1,32
-0,270088	-1,11326	-0,511697	-0,136187	-0,146908	-0,850827
-1,24148	-0,733041	-0,945321	-0,00286257	0,927797	-0,0680975
-0,983612	-0,107639	-0,388879	0,334233	-0,337713	-0,29339
-0,598732	-1,67485	-0,389572	1,35594	1,35594	1,35594
-1,68199	-0,891185	-2,03236	0,568581	0,631706	0,513309
0,780175	0,901322	0,992052	-0,870333	-1,07384	-1,54463

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-0,677066	0,258974	-0,0854746	-0,398765	-1,17252	-1,12039
0,0772831	-1,01025	-0,0998344	1,3053	1,7498	1,53908
-1,19054	0,0684674	-0,525136	1,04556	1,02757	-0,0658768
-0,0606715	0,214882	0,184636	1,59088	0,75974	0,427561
1,20218	0,223334	0,357083	-0,231461	-0,515559	0,0434543
0,934343	1,02264	1,54006	1,01127	-0,240248	0,829208
-0,332067	-0,601677	-0,710435	1,30104	1,69438	1,51565
-1,0845	-0,770115	0,0425486	1,14256	1,10662	0,724732
0,967897	-0,356942	0,995947	-0,508757	-1,21817	-0,609647
0,596082	0,620991	1,05996	0,655538	-0,704281	0,314611
-0,832784	-0,832784	-0,832784	0,607962	0,453694	-0,112411
-0,699806	-0,699806	-0,699806	0,204284	0,0653722	-0,699806
0,0987724	0,290708	-0,990653	1,53703	0,974007	1,59089
-0,696026	-0,696026	-0,696026	0,0389014	0,168316	-0,696026
-0,994565	-0,238907	-0,689469	1,05461	0,933764	0,0841106
-0,265679	-0,516613	-1,26476	1,09762	1,81529	1,69705
0,732215	0,572883	0,505312	-0,297897	-0,017029	-0,185482
-0,968977	-0,968977	-0,602695	0,877196	0,741355	0,243811
-0,9887	-0,320883	-0,350714	-0,523023	-0,225478	-1,83998
-0,96164	-0,727925	-0,998897	1,30519	0,720258	0,0114692
-1,59537	-0,997033	-1,74687	0,635712	-0,152726	-0,257579
-0,187776	-0,232968	0,622196	-1,39353	-0,241314	-1,17276
-0,35278	0,219343	0,388249	1,42345	1,28527	0,318815
-0,682613	-0,388184	-0,363346	1,34298	2,07904	1,30271
0,604401	0,316205	1,0829	0,525229	0,580947	0,500416
-0,875185	-0,875185	-0,875185	0,443564	0,598908	0,157415
-0,757159	-0,522925	-0,372663	1,4279	1,82511	1,62775
-1,11187	-1,11187	-0,317295	0,408655	0,672561	0,0521591
-2,17768	-1,44244	-1,14925	0,131071	0,618921	0,374606
1,63836	0,808906	0,709609	-1,36566	-0,326423	-0,753322
-1,10425	-0,743977	-0,708183	0,591713	0,730872	0,644369
2,18785	1,09733	1,01374	-0,0678332	0,0902135	-0,529888
-0,98067	-0,98067	-0,620228	0,891771	0,79189	0,39391
-0,924813	-0,924813	-0,924813	0,158455	1,111	0,0482261

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Anova Photon

-1,10186	-1,10186	-1,10186	0,80478	1,38796	0,621684
-0,962867	-0,962867	-0,593419	0,820562	0,74594	0,180909
-0,307116	-0,24844	-0,0263329	0,716042	1,28907	-0,122914
-0,782703	-0,0495888	-0,836729	-1,09103	-0,249335	-0,722843
-1,04558	-0,56718	-0,332811	0,621827	0,697376	-0,203414
-0,669756	-1,15628	-0,947128	1,14849	1,56224	0,31519
-0,737673	-0,501726	-1,11958	0,684052	1,25384	0,514114
-0,85192	-0,734326	-0,546467	1,28257	0,560611	0,394318
-1,24519	-0,687403	-0,618859	0,965877	1,05212	0,397766
-0,426001	-0,795574	-0,563358	0,519173	-0,174431	1,1266
-0,479239	0,527847	0,459867	0,74021	1,18745	0,157539
-0,905421	-0,200017	-0,905421	0,778198	0,947704	0,132144
-0,529066	-0,601397	0,0187573	-0,277786	-0,308524	-0,30406
1,22063	0,14229	0,410934	-0,0619356	-0,83136	0,0576417
-0,910491	0,258242	-0,696113	1,30518	1,79922	1,57109
0,176561	0,615686	-0,400434	0,176561	1,02065	0,213444
-1,27311	-0,414355	-0,253526	-0,279615	-0,0505898	-0,545797
-1,12873	-0,480735	-0,304973	1,21666	1,60056	1,41497
-0,733799	-0,733799	-0,733799	0,229095	0,0906321	-0,511006
-0,919716	-0,261802	-0,19426	0,20144	0,671596	-0,0280666
1,13059	0,0392531	0,234275	-0,186411	-0,443573	0,391758
0,523936	1,28574	0,464856	-0,246915	-1,00499	-0,213001
0,625935	0,427494	-0,466607	0,779409	0,634372	0,771159
-0,741779	-0,697594	-0,570483	1,37971	0,506925	0,516034
1,27254	0,369104	-0,112246	0,916691	0,970423	0,380622
-0,782292	-0,229373	-0,358105	0,0908183	0,612673	0,0336426
-0,76089	0,16053	-0,535673	0,031528	0,00592934	-0,830068
0,81262	0,713831	0,940139	1,49431	0,670082	0,770234
-0,928649	-0,980072	-0,0695482	2,03654	1,05845	0,801369
-1,24168	0,200391	-0,706414	1,25608	0,883582	0,772316
1,3116	0,111636	0,269692	-0,240289	-0,911444	0,0601933
-1,01599	-0,49221	0,232394	1,2667	1,67413	1,48492
1,16973	-0,0261118	0,345556	-0,231301	-0,901733	0,0231347
-1,11677	-0,449237	-0,755857	0,749243	1,37248	0,426931

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Anova Photon

-0,947115	-0,947115	-0,673855	0,710503	0,233894	0,799648
-0,602414	-0,540855	-0,828064	0,881142	0,159388	0,508337
-1,02063	-0,837981	-0,715169	1,23774	0,467354	1,39157
1,10587	0,833082	0,261826	0,0153509	-0,155064	0,161623
-1,15761	-0,847637	-0,0168596	0,519157	0,404754	0,325797
0,564464	0,056805	-0,186654	1,18315	1,21267	0,924729
0,500702	0,353903	1,07252	1,41014	0,178128	1,58008
-0,800151	-0,096197	-0,622832	1,39546	2,00878	1,20268
-1,03055	-0,660082	-0,381761	1,39361	1,75943	1,57767
-0,478549	-0,0844023	-1,1915	-0,2828	-0,2828	-1,3616
-0,495414	0,0667251	-0,393235	-0,264938	0,537112	-0,245183
-1,08687	-0,676148	-0,745152	0,904659	1,3393	0,165712
-1,12357	-0,43016	0,312081	0,506815	0,570423	-0,285193
-0,916425	-0,282286	-0,74258	1,08768	0,941486	-0,18789
0,812986	0,812986	0,504969	-0,446021	-0,163404	0,812986
-0,970518	-1,09316	-0,336732	1,21242	1,08538	1,06876
-0,687617	-0,0450103	-0,260762	0,0598224	0,838966	0,0778963
-1,08367	-1,08367	-1,08367	0,938693	1,46261	0,594488
0,370725	0,0193701	-0,877717	1,51373	1,39713	1,56487
-0,963489	-0,671975	-0,237318	1,29275	1,67516	1,49387
-0,897799	-0,355476	-0,238701	1,38462	1,76857	1,58655
-0,84295	-0,276429	-0,0516262	1,37692	1,76453	1,57194
0,592941	0,428055	1,18562	1,30435	0,328003	1,42683
1,28794	1,17139	0,406132	0,86533	0,335464	1,03681
0,59434	0,59434	1,29726	-0,476716	-0,834774	-0,586671
-0,457773	-0,714104	-0,28889	-0,309615	1,12065	-0,507428
-0,751231	-1,44439	-1,2472	1,13391	-0,20508	0,943488
-1,0478	-0,73005	-0,155755	0,631655	-0,0405469	0,736294
-1,20861	-0,0933347	-0,201416	1,11427	1,02194	0,28856
-1,13187	-0,851226	0,00345982	1,39101	1,48572	1,62795
0,555546	0,42069	1,07325	1,38094	0,263547	1,53668
-0,96721	-0,174258	-0,720452	1,05953	0,921976	-0,020407
-1,19585	-0,374959	-0,214895	0,956036	1,11891	0,61414
0,370725	0,0193701	-0,877717	1,51373	1,39713	1,56487

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-0,994359	-0,240483	-0,689984	1,05214	0,935971	0,0838688
-0,607826	-0,434681	-0,227127	1,05126	0,923408	0,0550659
1,17979	0,334181	-0,152229	1,08659	0,985153	0,501628
1,19441	0,330338	-0,154491	1,08362	0,982064	0,497978
0,0206873	0,137926	0,156901	-0,23975	-0,211678	-0,734667
1,18814	-0,0607238	0,245947	-0,239705	-0,902067	0,0257447
-0,306995	-0,248333	-0,0288353	0,717129	1,28881	-0,122837
1,1564	0,327552	-0,154221	1,09597	1,00559	0,499338
-1,2819	-1,37652	-1,48047	1,44778	0,0331064	0,684522
-0,988894	-0,988894	-0,988894	0,897222	1,49881	0,394481
-1,62898	-0,755702	-0,827945	-0,517977	-0,841068	-0,81351
1,1818	0,324627	-0,154598	1,08829	0,98652	0,501406
-0,596448	-1,1928	-0,633727	0,7706	1,38561	0,444599
1,16957	0,311978	-0,155601	1,09294	0,991148	0,505909
-0,307134	-0,248478	-0,0290027	0,716884	1,28851	-0,122995
-1,32652	-0,940306	-1,63114	-0,168313	0,363716	-0,222
-0,39987	0,262636	0,459305	1,65885	0,990472	0,52114
1,33285	1,43506	1,04242	-0,656611	0,286584	-0,765758
-1,1807	-0,641847	-0,693942	1,20251	1,10856	0,647434
0,205933	0,238832	0,100427	1,0414	1,09622	1,19425
-1,08522	-0,126404	-0,425145	0,300382	0,819552	0,240007
-0,972656	-1,10922	-0,146432	0,340247	1,18081	0,854275
0,594467	0,42182	1,21579	1,34094	0,318656	1,46806
0,166489	0,261054	0,735968	0,16118	-0,0773756	-1,18887
1,17003	-0,0351198	0,345907	-0,227357	-0,899148	0,0263453
-0,987566	-0,825965	-0,815388	0,913371	1,235	0,247569
-0,915704	-0,542818	-0,247908	1,35097	1,79918	1,57991
-1,59093	-1,02771	-1,26208	0,952018	0,874523	0,730257
-0,813541	-0,531995	0,292612	-0,14982	-0,873469	-0,537676
-1,01216	-1,01216	-0,2407	0,961943	1,37872	0,0577411
-0,942053	-0,000652623	0,341549	1,05557	0,940393	0,601019
-0,7143	-0,399548	-0,501336	-1,0581	0,527341	-0,428776
0,811697	0,811697	0,811697	0,0412469	-1,08744	0,325597
0,140702	0,481695	0,213867	0,25088	0,763073	0,4663

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-1,17147	-0,691808	-0,688935	-0,890822	0,21629	-0,205051
-1,76647	-1,58823	-1,5736	0,625797	0,681988	0,449552
-0,781927	-0,781927	-0,781927	1,03891	0,436031	-0,781927
-1,22791	-0,315512	-0,454566	1,32824	1,75416	1,54579
-0,51558	-0,87235	-0,972002	0,794313	1,39147	0,467276
-0,671334	-0,0221228	-0,502141	2,03296	0,445471	1,8995
0,81514	0,809523	0,539132	0,441673	0,373633	-0,0800777
0,954084	-0,199672	0,978554	-0,328299	-0,953603	-0,419394
-1,12752	-0,195168	-0,154276	0,309153	0,194663	-0,141775
-0,730512	-0,730512	-0,730512	0,095783	0,162674	-0,507216
-0,851571	-0,381429	-0,851571	0,291193	0,233222	-0,649092
-1,44948	-0,45435	-0,644994	1,56546	1,18586	1,58812
-1,65712	-0,564579	-0,877027	1,28873	1,80675	0,809966
-1,28717	-1,12067	-0,498736	1,21409	1,61094	1,42769
-0,758016	-0,69025	-0,341083	-1,11922	-0,18758	-0,769964
-0,349967	0,0933214	-0,574604	1,2833	1,688	1,50112
-1,08881	-0,196057	-1,20635	1,31498	1,27971	0,297445
-1,01242	0,326256	-0,767622	1,09265	1,62834	1,69495
0,56086	-0,227536	0,902778	0,616455	1,08136	0,686869
-0,999717	-0,0465896	0,211982	-0,218029	0,330323	-0,515069
-1,04367	-0,519789	-0,0712104	1,31655	1,78228	1,55087
-1,11878	-1,03708	-0,726907	1,14776	1,39125	0,186693
1,25558	-0,303868	-0,346991	-1,24875	-1,13814	-0,860466

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GD1_t0 Signaling score	GD2_t0 Signaling score	GD3_t0 Signaling score	GD1_Dp18 Signaling score	GD2_Dp18 Signaling score	GD3_Dp18 Signaling score
-0,673565	-1,00749	-0,974413	-0,269975	-0,599051	0,369046
-1,13942	-1,09206	-1,50514	0,576766	0,410637	1,01576
-0,485394	-0,905988	0,0801835	1,18916	1,46045	1,27732
-0,628325	-0,614124	-1,13282	0,021568	-0,894352	-0,364833
-0,461868	-0,712527	-0,708439	-0,345708	-0,563137	-0,463847
-1,08254	-1,08254	-1,08254	1,62888	1,29712	0,768835
1,54135	1,23941	1,19182	0,191967	0,472982	0,0037702
1,186	1,78328	1,07991	-1,19727	-0,697055	-0,387754
1,30989	0,828368	0,804577	-0,810899	-1,3539	-0,757843
1,29956	0,845097	0,822583	-0,895276	-0,801209	-1,36429
1,02749	0,333327	0,169179	0,190279	0,224712	1,27053
-0,267669	-0,571424	-1,06372	2,42655	0,920584	1,15459
-0,569247	-0,168699	0,0893123	-0,0655705	0,034808	-1,152
-0,847001	-1,09887	-1,09887	2,00156	1,15645	0,798078
1,31494	0,834404	0,812404	-0,543046	-1,28374	-0,79392
-1,88068	-1,47468	-0,345041	1,20096	1,24384	1,34708
0,80952	0,484203	0,80952	-1,91076	-1,50976	-1,06264
-1,40013	-1,82563	-0,863337	1,00812	0,815208	0,965275
0,857333	1,03598	0,857333	-0,486694	-1,68495	-1,93121
-1,46897	-1,46897	-1,46897	0,987582	0,506827	1,11304
-1,07286	-1,07286	-1,07286	1,68385	1,28807	0,686556
-1,05257	-0,697432	-1,10913	1,16197	0,694028	0,769842
0,139124	0,142002	0,657481	0,618672	0,652331	0,0565266
0,896608	0,0121527	0,952276	-1,16936	-2,07325	-1,4261
-1,47476	-1,37217	-1,45768	0,545462	0,408931	-0,0696765
-0,9617	-0,786724	-0,796061	0,577316	0,884848	1,12619
-0,605535	-1,06929	-0,876854	-0,538492	-1,24197	-0,974344
-0,522613	-1,31857	-0,54031	-0,204539	-0,0148847	-0,563617
-1,125	-1,125	-1,125	1,51491	1,30442	0,988554
-1,133	-0,0569501	-1,39482	-0,0844326	-0,311058	-0,646577
-0,512216	-0,790758	-0,64672	1,06411	0,21734	1,1911
-0,495153	-0,982815	-1,58271	1,74683	1,24745	1,15377
-0,682256	-1,19421	-0,662347	-0,0672457	0,0220776	-0,117171



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1,05096	1,05096	0,864969	-1,01561	-1,66624	-1,43698
-0,81601	-0,602163	-0,81601	1,8374	1,77672	0,80278
-0,729943	-1,24373	-0,409727	-0,531327	-1,05792	-1,2138
-0,982629	-0,982629	-0,982629	1,56103	1,50048	0,817943
1,30491	0,829438	0,806768	-0,443418	-1,28511	-0,571146
-0,56056	-0,766457	-1,20833	-0,891738	-1,02116	-0,849726
-0,945066	-1,24551	-1,14104	-1,00922	-0,597189	-0,340558
-0,723667	-1,09421	-1,09376	1,23131	0,919308	0,472594
-0,534218	-0,221063	-1,05543	0,0838323	-0,307048	-0,191677
-1,03007	-1,7692	-1,7692	0,786311	0,486941	0,372488
-0,793682	-0,895761	-1,81928	1,10709	0,9808	1,14118
1,08349	1,17631	0,668101	-1,055	-1,055	0,0530442
0,648092	0,388382	0,459119	-1,02427	-2,01586	-1,51226
-1,45883	-1,40936	-1,40863	0,564987	0,217422	0,11846
1,14937	0,681232	1,14937	-1,47663	-1,73128	-1,07522
-1,35364	-1,14209	-0,140315	0,060673	-0,565652	-0,275569
-0,568845	-1,12662	-0,221875	-0,592045	-0,612654	0,270423
-1,09323	-0,85463	-1,09323	0,905091	1,65099	1,00901
-0,0117169	-1,38205	-0,717603	-0,357555	0,00690218	0,182689
-0,89929	-0,89929	-0,89929	1,70385	1,52391	0,726033
-0,810579	-1,33523	-1,33523	1,02126	0,542441	1,07942
-0,983744	-0,983744	-0,983744	1,5572	1,49177	0,824782
-1,13106	-1,13106	-1,13106	1,50831	1,29833	0,986146
-0,846529	-0,489559	-0,927863	-0,212536	-0,46527	-0,184671
-1,09102	-1,01677	-0,687453	0,99596	0,931723	1,04858
-1,11182	-1,74263	-1,74263	0,789403	0,489425	0,366318
-1,4796	-1,4796	-1,4796	0,97827	0,486221	1,09725
0,897329	0,831173	1,51364	-0,394856	-1,07923	-0,71703
-1,36164	-1,30334	-1,32782	0,934883	0,942187	1,13311
-0,421293	-1,14983	-1,11335	-0,597719	-0,107723	-0,579382
-0,841753	-1,35665	-0,595598	-0,271372	-0,36836	0,112533
-1,12096	-1,12096	-1,12096	1,55112	1,38982	0,787314
-1,62885	-0,784482	-1,62885	0,904248	0,875241	1,18687
0,74236	1,02137	0,653745	-1,41684	-1,92807	-1,35254

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-0,949797	-0,949797	-0,949797	1,71151	1,44621	0,723502
-0,666741	-1,00178	-0,877145	0,525684	1,38836	0,946576
-1,01377	-0,163273	-1,01377	0,68723	1,53773	0,261978
0,272833	0,129709	0,451893	-0,687005	-1,0575	-1,22534
0,531538	0,661513	0,603354	-1,5133	-1,17474	-1,96081
-1,44356	-1,17007	-0,66021	1,89296	0,401167	1,63536
-1,31862	-0,966349	-0,472449	0,209589	-0,127885	-0,23573
-1,25876	-1,00968	-0,954467	1,08274	0,768043	0,809199
-1,2801	0,00169138	-0,788746	-0,986009	-0,337227	-0,0617678
-1,51013	-1,26297	-1,5079	0,592613	0,241954	-0,151179
0,946638	1,09749	1,22523	0,659492	0,0639248	0,328579
0,468125	0,364698	0,337661	-1,47825	-1,8517	-1,26264
1,22987	1,01024	0,764004	-0,597584	-1,4865	-0,964608
-1,04571	-1,04571	-1,04571	1,47446	1,25582	1,23467
1,11269	1,28662	1,01778	-0,46355	-1,61563	-1,13286
-1,17851	-1,17851	-1,48825	1,14327	0,909602	1,24075
0,965973	1,15362	0,856209	-0,911734	-1,51677	-1,68435
-0,924646	-1,76508	-1,76508	0,476595	0,0698762	1,1366
-0,770356	-0,917684	-0,972262	1,07397	0,409368	1,23596
-1,46305	-1,46305	-1,46305	0,92678	0,446816	1,22049
-1,06488	-0,581528	-0,0421397	1,46393	1,49986	1,65484
-1,12272	-0,96159	-0,778037	-0,130125	1,06787	1,05015
0,787962	1,28238	0,787962	-0,408265	-1,67692	-1,86819
-1,29791	-0,903314	-1,67287	1,19598	1,03983	0,608252
-1,50855	-1,41694	-1,56251	0,446404	0,553855	0,412623
-1,04519	-1,04519	-1,25858	1,30478	1,25988	1,18943
0,0809294	-0,877717	-0,877717	-0,877717	-0,877717	-0,558168
0,671609	0,235137	0,377323	-1,29095	-1,97747	-1,49142
-1,50404	-1,50404	-1,38051	1,01095	0,92743	0,805684
0,0639172	0,0388345	0,322525	1,35255	0,196816	1,25943
-1,7739	-1,15221	-1,26185	0,509464	0,468323	-0,232228
-0,778649	-1,19824	-0,830475	1,12504	0,590111	0,402104
1,46916	1,45521	1,50141	-0,296269	-0,17011	0,242857
-0,831192	-1,06519	-1,43606	0,653005	1,19198	1,43922

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-1,30852	-1,47168	-0,551711	-0,259913	0,0317184	0,547988
-0,861865	-0,987844	-1,41857	0,946174	1,05476	1,31506
-0,935563	-0,585641	-0,983414	0,854803	1,09648	-0,490013
1,23285	1,23285	0,799082	-0,680097	-1,45317	-1,67512
1,12371	0,776107	1,00133	-0,479874	-1,58794	-1,76842
1,62872	1,35277	1,60083	-0,457658	-1,06293	-0,301774
-0,957667	-1,78878	-1,78878	0,779737	0,486553	0,313686
1,14879	1,53688	1,22165	-0,0469562	-0,452271	-0,256659
0,674571	1,04596	1,04596	-2,09882	-1,5743	-0,656848
-0,989032	-0,989032	-0,989032	1,73901	1,09271	0,789373
0,885004	0,860538	0,749778	1,37753	0,885992	0,765454
-0,633971	-0,961687	-1,50264	0,699346	-0,287171	0,0851204
-1,08279	-0,960433	-1,17743	-0,62394	-0,864405	-0,681413
-1,11728	-0,439677	-0,74579	0,730447	-0,336812	-0,460157
-0,842422	-1,08726	-1,3976	0,811856	-0,202108	0,104654
-0,852209	-0,852107	-1,10943	0,991823	0,117634	1,04323
-0,949426	-1,10261	-1,36447	1,82593	0,981838	0,967142
-0,136317	-0,911534	-1,32015	-0,680629	-0,0970361	-0,436751
-0,427616	-0,622358	-1,71424	0,021669	-0,857724	-0,122256
-1,10212	-0,640824	-1,08764	1,03718	0,731813	0,732955
-1,29747	-1,12321	-1,81875	0,601819	0,31288	-0,139396
-0,835384	-0,304718	-1,06723	-0,666486	-0,373136	-0,690237
-1,26481	0,239851	-0,714533	0,376735	0,19859	-0,441958
-0,323735	-0,420506	-1,19511	0,145702	-0,19159	-0,598258
0,158811	0,169136	0,248395	-1,24841	-1,40743	-1,84884
-0,826539	-1,08443	-0,966502	1,29489	0,777765	0,779651
-0,87234	-1,08094	-1,41155	0,914334	0,955301	1,3484
-1,14276	-0,572667	0,000450586	1,29507	1,54522	1,84655
0,716353	0,716353	0,716353	-2,02249	-1,61658	-0,977874
-1,47779	-1,47779	-1,47779	0,98379	0,4997	1,09865
-0,751849	-1,44187	-0,388332	-0,106069	0,566091	-0,0938672
0,15688	0,171179	0,252289	-1,24698	-1,4131	-1,8464
0,159114	0,173431	0,254647	-1,24657	-1,40693	-1,84677
1,71031	1,13193	1,55871	-0,33195	-0,987759	-0,509035

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-1,62287	-0,786111	-0,685855	1,28204	0,748058	0,750005
0,0809294	-0,877717	-0,877717	-0,877717	-0,877717	-0,558168
1,15131	1,19493	1,10014	-0,740686	-0,766359	0,0731807
0,648344	1,04491	0,890019	-0,999687	0,33195	0,112261
1,21292	0,890483	1,22957	-0,828003	-0,995327	-1,19229
-0,665452	0,327475	-0,940061	-0,183429	-0,129781	-0,604428
1,49071	1,18019	1,42261	-0,465772	-0,649084	-0,631383
-0,998171	-1,37985	-0,621697	1,27889	0,756563	0,758467
-0,574725	-0,801273	-0,978977	0,0253334	-0,635275	-0,367325
-1,08067	-0,441468	-1,12655	1,31319	0,756859	0,758887
-0,965966	-1,11889	-1,38033	1,80657	0,917972	0,959071
-0,755852	-0,832844	-1,20906	-0,87286	-0,961257	-0,649859
1,29621	1,08787	1,1206	-1,81818	-1,18864	-0,502984
-1,26764	-0,824477	-1,20925	0,818002	0,904396	0,932953
-0,950427	-0,658268	-0,634358	-0,370761	-0,197316	0,111889
-0,87216	-1,0808	-1,41148	0,914886	0,955079	1,34905
0,164457	-0,795341	-0,795341	-0,795341	-0,795341	-0,475408
-1,4195	-1,35578	-1,81674	0,646013	0,682686	-0,438087
1,38135	1,05998	0,857218	-0,85526	-1,28502	-1,57371
-1,01253	-0,914141	-0,615955	-0,60887	-0,560752	-0,212736
-0,983221	-0,983221	-0,983221	1,55939	1,49612	0,823811
0,955958	0,656004	0,619546	-0,602029	-2,09555	-1,42872
-1,11262	-1,63176	-1,63176	1,17026	0,967851	0,706768
-0,90564	-0,90564	-0,90564	1,75893	1,18096	0,72852
1,05754	0,781721	0,592733	-0,712432	-1,50122	-1,95334
-0,478482	-0,891439	-0,993163	1,23112	0,979009	0,213698
0,466965	1,16572	0,701782	-1,37658	-1,51728	-1,12588
0,157403	0,169854	0,249707	-1,25367	-1,41018	-1,84115
-1,29269	-0,961175	-1,29269	1,51713	0,93771	1,38311
-0,302589	-0,486519	-0,420932	-0,680727	-0,397826	-0,78957
0,359648	0,731936	0,731936	-2,43245	-1,39027	-0,685495
-0,668802	-0,229337	-1,00198	1,29168	1,92289	1,27754
-0,783105	-1,21806	-1,21806	0,643207	1,21117	1,47871
0,697156	0,442188	0,510034	-1,04589	-2,15656	-1,33521

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-1,09635	-1,14025	-1,23043	-0,704348	-0,499518	-0,653865
-1,40123	-1,82771	-0,863206	1,11529	0,751767	0,959666
1,0074	0,960599	1,06469	-0,548742	-1,5922	-1,84399
-0,487137	-1,04654	-0,865262	-0,146998	-0,997042	-0,229698
0,695384	0,343058	0,695384	-2,07537	-1,70754	-0,713918
-0,950649	-0,950649	-1,19474	1,97014	0,985208	0,795809
-1,03313	-1,29174	-0,934882	0,498998	-0,342427	-0,361866
-0,557254	-0,600993	-1,24487	1,11978	1,81845	1,50436
-1,03406	-1,03285	-0,977222	0,548545	0,817984	0,57949
-0,6475	-0,850765	-0,758693	-0,201293	-0,765829	0,177075
-0,678671	-1,03514	-1,33705	0,238666	-0,111767	-0,407259
-1,08996	-1,08996	-1,08996	1,46141	1,28567	1,16089
-0,273798	-0,378223	-1,15252	-0,429888	-0,568607	-0,31956
-0,355092	0,426053	-1,10102	-0,932181	-0,545035	-0,148008
0,160728	0,17304	0,25435	-1,24859	-1,40913	-1,84948
-1,01124	-0,495543	-1,01124	0,68375	1,28078	0,657665
-1,62257	-0,966178	-1,62257	0,678483	1,18375	0,968474
-0,736576	-1,10031	-0,853843	1,1128	0,531697	1,27048
-0,946761	-0,572602	-0,770919	-0,2423	-0,985624	-0,10692
-0,832354	-1,07695	-1,07695	2,00732	1,1125	0,763285
-0,682404	-0,594714	-1,48687	-0,234853	-0,0153425	0,00215982
-0,983582	-1,23225	-0,737012	1,06863	0,380453	1,24128
-1,38177	-1,50884	-0,621677	-0,240786	0,595918	-0,133244
1,7875	1,24875	1,64236	-0,487729	-0,496188	-1,03971
0,153564	0,166027	0,245948	-1,2566	-1,41243	-1,83253
-0,854363	-0,854363	-0,854363	1,9138	1,52643	0,880949
-0,454725	-0,836659	-0,843349	0,54934	0,311231	0,725276
-0,95915	-0,95915	-0,95915	1,68517	1,40095	0,769975
-0,747979	-1,00238	-1,40559	1,65348	0,85955	1,40061
1,38556	1,18862	1,03586	-1,12829	-1,44349	-0,994125
-1,57047	-0,385165	-2,32635	0,0183634	-0,0150103	0,163705
-0,828096	-1,06348	-1,43656	0,658586	1,19586	1,43125
-0,962599	-1,7906	-1,7906	0,777301	0,489701	0,36879
-1,023	-1,33796	-1,07889	0,536623	0,454881	1,23177

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1,12808	0,984689	1,32815	-0,809598	-0,976731	-0,987658
0,901748	0,573183	0,856569	-2,102	-0,896318	-0,893105
-1,23749	-0,945893	-1,15583	1,08946	0,663072	0,765712
-1,19048	-1,19048	-1,19048	1,92176	1,30558	0,572237
-1,12622	-1,12622	-1,12622	1,24293	1,38673	1,20098
-0,937456	-0,941059	-1,04894	0,900646	0,186401	1,08753
-0,677662	-1,0331	-1,25736	1,81992	1,42219	0,612912
-0,596532	-1,48343	-1,48343	1,26773	1,14984	1,07702
-0,485275	-1,1412	-1,42132	-0,0203051	0,740519	1,32406
-0,924188	-1,76367	-1,76367	0,467519	0,0597385	1,13181
0,688109	0,336779	0,414658	-1,13841	-2,02977	-1,61944
-0,760922	-0,626941	-0,854851	0,104795	-0,998768	-0,327136
-1,32203	-0,793473	-0,896894	-0,840091	-0,677184	-0,772287
-1,17589	-1,17589	-1,48654	1,17456	0,922564	1,2043
-0,404181	-1,03382	-1,13195	1,09636	0,959131	1,00697
0,0236394	-0,117148	-0,00811719	-0,952898	-2,35351	-1,00722
1,3719	1,05245	0,903912	-0,854429	-1,27856	-1,57272
-1,47778	-1,03922	-0,0806783	-0,371948	-0,687786	-0,454725
-1,0366	-0,0781113	-1,0366	0,650701	1,45852	0,334688
0,47328	0,476204	0,0266589	0,120229	-0,713643	-0,202339
-0,96027	-0,78601	-0,774499	0,459525	0,714353	1,22691
-1,08525	-1,08525	-1,31416	0,443774	0,720591	1,60034
1,04472	1,04472	1,04472	-1,70935	-1,6485	-0,503093
-0,856598	-0,875142	-0,4622	-0,462324	-0,54243	-0,362754
-1,39729	-1,82165	-0,861934	1,1225	0,751706	0,959283
1,21115	0,889272	1,22784	-0,82711	-1,00751	-1,17516
0,00280966	-0,933991	-1,38976	-0,0872321	-0,1737	-0,71824
-0,814179	-0,972986	-1,19609	1,08671	0,898092	1,01968
0,665095	0,789275	0,587391	-1,70786	-1,93224	-1,21874
0,157218	0,169674	0,249557	-1,25439	-1,40802	-1,84208
-1,52793	-1,13358	-1,7478	0,646367	0,210453	0,250523
-0,866078	-1,11202	-1,11202	1,99372	1,03707	0,771477
-0,934254	-1,02093	-0,704869	1,18132	0,677007	1,29031
-0,731696	-1,01446	-1,46263	1,82918	0,95303	1,06098

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0,991227	0,557792	0,42128	-0,841582	-1,87744	-1,51991
-0,923577	-1,76393	-1,76393	0,465558	0,0613778	1,13651
-0,612364	-0,964913	-0,775982	-0,154426	-0,847149	0,182399
-0,678032	-1,09114	-1,40852	1,15174	1,3115	0,626958
-1,09662	-1,00427	-0,853274	0,955484	0,762059	0,366394
-0,423806	-1,03343	-0,0662478	-0,495383	-1,03903	-0,0505353
-1,08372	-1,08372	-1,08372	0,866757	1,48784	1,40399
-0,968986	-1,21797	-1,32185	0,062712	0,296498	0,062712
-0,982629	-0,982629	-0,982629	1,56103	1,50048	0,817943
1,09294	1,21493	0,817253	-0,699544	-1,34765	-1,22167
-0,879962	-1,12216	-1,12216	2,00442	1,04582	0,759275
-0,404994	-1,13492	-1,6818	0,975167	1,2659	0,574479
-1,10324	-0,811807	-0,601082	0,997222	0,120607	1,04904
-0,730438	-0,730438	-0,730438	1,84586	1,72368	1,06191
-0,908058	-0,908058	-0,908058	1,95725	1,17604	0,960655
-1,04033	-1,45517	-1,35967	0,361686	0,677554	0,770965
1,36833	0,82326	1,05374	-0,857356	-0,759979	-1,876
-0,838524	-0,798324	-1,09199	-0,534238	0,0090751	-0,304883
-0,846477	-1,09224	-1,09224	2,01123	1,10911	0,754859
-1,0043	-0,693699	-0,47858	0,00435969	-0,488875	-0,166654
-1,12742	-1,12742	-1,58431	1,76752	0,916622	0,936476
-1,10319	-1,62688	-1,62688	1,21344	0,983692	0,670896
-1,07224	-1,07224	-1,07224	1,67082	1,08755	0,97666
-0,645323	-1,04573	-0,552576	0,154658	0,836307	-0,863959
-1,1348	-1,24845	-0,911205	-0,310193	-0,0857222	0,00634141
-1,50535	-0,240194	-0,70799	-0,528228	0,174404	-0,451186
-0,972805	-0,972805	-0,972805	1,53874	1,1428	1,46334
1,61742	0,895708	0,740264	-0,498287	-1,19149	-1,05075
0,0809294	-0,877717	-0,877717	-0,877717	-0,877717	-0,558168
-0,682731	0,249793	-0,93564	-0,490921	-0,364671	-0,742975
-1,31021	-1,06586	-1,17669	-0,818834	-0,704604	-0,118059
-0,736987	-0,930895	-1,10116	0,937444	1,00885	1,09424
-1,18879	-1,49559	-0,505717	1,56951	0,429592	0,905527
-0,975328	-0,607835	-0,975328	1,05454	1,49713	0,878451

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0,987621	0,822619	1,1293	0,262275	-1,15221	-0,957424
-0,888915	-0,849409	-1,14185	-0,776234	-0,892285	-0,809812
1,2137	0,894006	1,22474	-0,833573	-0,999093	-1,19157
1,58643	1,43294	1,62831	-0,375035	-0,861609	-0,350775
-0,503925	-1,07123	-1,1343	-0,320025	1,07158	1,03694
-0,420928	-1,10403	0,37031	-0,212772	0,011888	-0,626191
1,60779	1,6388	1,29329	-0,871431	-0,231563	-0,871088
-1,42459	-0,863267	-1,42459	1,04092	0,259379	1,32976
-0,964474	-0,964474	-0,964474	1,11894	1,62801	0,895228
-0,872159	-1,08104	-1,41211	0,913562	0,955645	1,34875
-0,959217	-1,27032	-0,694954	1,05962	0,430014	1,21938
1,31297	0,994588	0,84655	-0,901615	-1,30337	-1,54019
1,01901	1,01901	1,01901	-1,77975	-1,79044	-0,68381
-1,09186	-1,10117	-1,0115	-0,41176	-0,895818	-0,829838
0,0809294	-0,877717	-0,877717	-0,877717	-0,877717	-0,558168
1,28452	1,3906	1,5353	-0,592313	-1,02174	-1,00642
-0,956611	-1,10938	-1,37055	1,82019	0,970245	0,960298
1,21141	0,888782	1,23385	-0,831593	-0,99398	-1,18045
-0,425719	-0,470853	-0,646938	-0,111883	-0,160977	-0,311651
-1,49923	-0,99166	-1,71186	0,258394	-0,0977695	0,996777
1,746	1,67929	1,15821	-0,500981	-0,846727	-0,543634
-0,716359	-0,407699	-1,41062	1,27189	1,10682	1,29104
0,15763	0,161631	0,247166	-1,24823	-1,43011	-1,82343
0,0809294	-0,877717	-0,877717	-0,877717	-0,877717	-0,558168
-0,478596	-1,33538	-1,01363	1,29872	1,91108	1,28871
-1,54486	-0,737613	-0,28058	-0,336364	-0,784166	-0,0395843
-0,843615	-0,843615	-0,843615	2,01304	1,31062	0,651955
0,156004	0,17027	0,251195	-1,24676	-1,41339	-1,84268
-1,16452	-1,16452	-1,16452	1,10043	1,26466	1,08293
-0,824057	-0,824057	-0,824057	2,3733	1,1069	1,02159
-1,07642	-1,07642	-1,07642	1,71377	1,3788	0,719711
-1,99613	-1,01698	-1,64005	0,00891239	-0,0891271	0,804195
1,38356	1,24654	1,65547	-0,136589	-0,286097	-0,963117
-0,830296	-0,830296	-0,830296	1,99044	1,26724	0,85627



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-0,899702	-0,902044	0,0387375	-0,387431	-0,548409	-0,14661
-0,268346	-0,698452	-1,19661	0,777827	0,806136	1,85789
-1,27464	-1,27464	-1,27464	0,76532	0,955449	1,17553
-0,832226	-1,06597	-1,43643	0,65103	1,19116	1,43908
-1,00053	-1,00053	-1,37441	0,649838	1,24369	1,34762
-0,854363	-0,616332	-0,854363	1,94053	1,85098	0,57382
-0,750367	-1,02496	-1,23268	1,07408	1,19625	1,39614
-0,897619	-0,598861	-1,37114	1,29787	0,749454	2,01651
-0,830695	-0,830695	-0,830695	1,98882	1,26672	0,855145
0,259211	0,153402	0,302372	-1,30698	-1,31718	-1,83117
-1,16957	-0,596043	-1,04711	-0,600012	-1,24793	-0,694773
-0,830306	-0,830306	-0,830306	1,99068	1,26664	0,856412
-1,12254	-0,907287	-1,12254	1,57652	1,74075	0,788124
-0,415202	-0,400873	-1,16047	0,153232	-0,579325	-0,691332
-0,829883	-0,829883	-0,829883	1,99207	1,26778	0,857415
0,780927	-0,0228096	0,0504406	-0,745824	-2,15851	-1,09889
0,760649	0,341878	0,62718	-0,554683	-1,31829	-1,87588
-0,383354	-0,34752	-0,307161	1,89005	1,82693	0,942081
-1,29845	-1,53066	-1,48964	0,562611	0,228443	0,135859
-1,09274	-1,09274	-1,09274	1,61093	0,909615	0,868854
-0,779126	-0,96008	-0,552654	1,32153	2,04783	1,29908
0,576623	0,735907	0,699575	0,767715	0,595283	-0,143949
-0,988368	-0,646423	-0,988368	1,73599	1,78496	0,841959
-0,83946	-0,77849	-0,460323	0,257971	0,413403	0,0557823
-0,670521	-1,23818	-0,993006	1,54383	1,16747	0,706891
1,41782	0,841157	1,08679	-1,01263	-0,930651	-1,49974
-0,961767	-1,1147	-1,37614	1,81436	0,920498	0,959467
0,951407	0,681179	0,874126	-1,25164	-0,375071	-0,958719
1,53835	1,62768	1,55892	-0,915656	-0,58104	-0,199291
-0,297283	-0,303377	-1,26609	1,06301	1,169	1,69775
-0,983612	-0,618953	-0,983612	1,88215	1,79708	0,683947
-0,678429	-0,603098	-0,67608	-0,534731	0,471699	0,615981
0,36549	0,469287	0,03264	0,988188	0,0754618	0,960878
0,856835	0,703649	0,871046	0,13554	-0,260496	-1,49132

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1,16693	1,64188	1,66892	-0,479846	-0,777468	-0,0251715
-0,71131	-1,06724	-0,812103	-0,697758	-0,120953	-0,152013
-1,19054	-0,990234	-1,19054	1,11071	0,567108	1,33345
-0,901194	-1,38403	-2,04571	0,720755	0,0576212	0,435538
1,00978	1,00978	1,00978	-0,917282	-1,41637	-1,77472
-1,14535	-1,08762	-1,16836	-0,352451	-0,837487	-0,50601
-1,30724	-0,844402	-0,405881	0,435258	-0,60563	-0,138987
-1,00437	-1,39366	-1,11329	1,0583	0,767451	0,523714
1,51705	0,829714	1,12493	-0,789616	-0,826778	-1,12563
-1,71903	-1,14796	-1,492	0,803133	0,0301196	0,982835
-0,832784	-0,832784	-0,832784	2,00496	1,29048	0,752015
-0,699806	-0,699806	-0,699806	1,84594	1,74204	1,04101
-0,632843	-1,07527	-1,55252	0,0469452	0,0459528	-0,333016
-0,696026	-0,696026	-0,696026	1,83662	1,73514	1,09321
-0,872278	-1,08133	-1,41267	0,914209	0,957784	1,34473
-0,487923	-0,302152	-0,662916	0,173028	-0,466603	-0,816344
0,762378	0,886555	1,11857	-2,27648	-1,30935	-0,49167
-0,968977	-0,968977	-0,968977	1,09965	1,60706	0,878506
1,41262	1,38615	1,45066	0,0327732	-0,195086	0,161652
-1,05012	-0,856843	-0,736657	1,4968	1,10906	0,689291
1,04027	0,39961	-0,00619661	1,16887	0,468302	1,04302
1,31523	1,74163	1,08599	-0,459797	-0,993458	-0,083446
-1,4418	-1,16849	-1,73781	0,526426	0,341126	0,198197
-0,590258	-0,603878	-0,578512	0,109579	-0,665248	-0,962269
0,390314	0,146024	0,345495	-1,03818	-2,4895	-0,96426
-0,875185	-0,875185	-0,875185	1,5913	1,59482	0,865114
-0,164401	-0,794158	-0,511473	-0,645155	-0,414724	-0,698102
-0,529853	-0,861206	-1,11187	1,84778	1,07757	0,985229
0,786205	0,737388	0,524	0,557027	0,401719	0,638442
0,767922	0,670877	0,715414	-0,618423	-0,841055	-1,4062
-1,16841	-1,38274	-0,271631	1,31549	0,777741	1,319
-0,549349	-0,634034	-1,55602	-0,549349	-0,511025	0,00836013
-0,98067	-0,98067	-0,98067	1,05564	1,5543	0,836069
-0,505748	-0,924813	-0,924813	1,32035	1,66913	0,822657

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-0,660706	-0,0775303	-1,10186	0,701344	1,4933	0,136618
-0,962867	-0,962867	-0,962867	1,12432	1,63544	0,900585
-1,40041	-1,82592	-0,863611	1,00222	0,819852	0,967559
1,64893	1,38362	1,62211	-0,00746628	-0,12092	-0,794042
-1,04558	-1,04558	-1,04558	1,47592	1,25654	1,23407
-0,797229	-1,03973	-0,846422	0,99085	0,660193	0,779576
-0,607034	-0,993809	-1,46355	1,2517	1,08657	0,633095
-0,77646	-0,570902	-1,6815	1,66428	0,66135	0,598441
-0,878306	-1,03986	-1,06889	1,35585	0,909452	0,85745
-0,825349	-1,03977	-1,45469	1,3185	1,19468	1,12022
-1,04489	-1,71018	-1,71018	0,865001	0,278148	0,728433
-1,15669	-0,905421	-1,15669	0,74155	1,69912	0,930945
-0,529539	-0,898136	-1,21359	1,07747	1,69703	1,86883
1,11363	0,930695	0,890013	-0,774995	-1,14495	-1,95259
-0,368605	-0,388505	-0,371399	-0,463495	-0,686126	-1,049
-1,03387	-1,69825	-1,69825	1,11861	0,959237	0,550046
1,9009	1,24671	1,34575	0,104042	-1,19846	-0,581956
-1,02673	-0,846325	-1,13148	0,527003	0,170628	-0,0108451
-0,733799	-0,733799	-0,733799	1,84875	1,73401	1,01131
-0,615833	-1,07907	-1,62392	1,67033	0,765644	1,41366
0,971148	1,25714	0,82445	-1,17873	-1,70326	-1,33664
1,03181	1,03181	0,83741	-1,01757	-1,69842	-0,994667
-0,925858	-1,76481	-1,76481	0,472908	0,07618	1,13463
1,29072	0,806813	0,778073	-0,587255	-0,922632	-1,75853
0,215802	0,228541	0,310092	-1,24865	-1,43214	-1,87077
-0,902273	-1,08442	-1,47617	1,56631	1,23705	1,29214
-0,815073	-1,00427	-0,78509	1,29761	1,94263	1,29284
-1,44554	-0,637282	-1,34064	-0,467293	-0,65815	-0,852313
-0,923865	-1,00007	-0,943238	0,446686	0,561954	-0,0595526
-1,22262	-1,13096	-1,03051	0,426749	0,485045	1,30802
1,3116	0,992178	0,843656	-0,907818	-1,30612	-1,53489
-0,499631	-1,36328	-0,543912	0,265881	-0,698787	-0,31022
1,37136	1,05178	0,903182	-0,850985	-1,28017	-1,57444
-0,383199	-1,46811	-1,13946	1,29127	0,735339	0,737366

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-0,947115	-0,947115	-0,947115	1,48596	1,46308	0,716343
-1,50951	-0,739733	-0,986177	0,974096	0,988316	1,69548
-0,845498	-1,12219	-0,982419	0,886429	1,04026	0,500537
0,638623	0,798888	0,727066	-0,728586	-1,54161	-2,11707
-0,766467	-1,15761	-1,15761	1,61496	1,21735	1,02178
0,247137	0,148018	0,287402	-1,29941	-1,30531	-1,833
-0,959587	-0,856591	-1,37953	-0,782608	-0,843814	-0,27335
-0,823933	-1,19782	-0,107764	-0,446074	-0,453859	-0,058303
-0,897269	-0,391362	-0,889977	-0,124702	-0,198109	-0,15689
-0,473442	-0,0817197	-0,325172	1,32857	1,64032	1,5931
-1,26939	-0,493394	-1,52056	1,67297	1,60153	0,803772
-0,62234	-1,10232	-1,19636	1,25625	0,893279	0,869989
-1,12357	-1,12357	-1,12357	1,51708	1,31024	0,993005
-0,670609	-0,966144	-1,54405	0,934397	1,04844	1,29798
0,812986	0,504969	0,812986	-1,88469	-1,48716	-1,09358
-0,682547	-0,795941	-1,20769	-0,397805	1,07728	1,04056
-1,03213	-1,19699	-1,47882	1,77818	1,00789	0,938573
-0,630168	-0,176665	-1,08367	0,594488	1,46261	0,0886165
0,0809294	-0,877717	-0,877717	-0,877717	-0,877717	-0,558168
-1,4985	-0,104537	-0,63622	0,162693	-0,12236	-0,390069
-0,503399	-0,565799	-0,93196	0,112772	-0,866378	-0,493
-0,45764	-0,713047	-0,961177	-0,757747	0,0615154	-0,714285
-1,16704	-0,681382	-1,34072	-0,475439	-0,596961	-1,00425
-1,16465	-0,741113	-1,77011	-0,247009	-0,401079	-0,7791
1,29726	0,052215	1,29726	-0,552077	-1,15241	-1,53003
-1,00472	-0,959568	-0,964969	1,61805	1,41016	1,05821
1,23978	0,814133	1,18677	-0,668932	-0,597767	-0,403482
-1,0478	-1,0478	-1,0478	1,64411	1,35996	0,745556
-1,20861	-1,20861	-1,20861	0,527095	0,876097	1,30123
-0,802639	-0,866348	-0,897404	0,00532765	0,040075	-0,00405198
-1,06577	-1,13884	-1,21857	-0,704918	-0,584598	-0,517964
-0,91015	-0,96721	-1,4709	0,93467	0,980086	1,33433
-1,19585	-1,19585	-1,19585	0,626043	0,887771	1,17036
0,0809294	-0,877717	-0,877717	-0,877717	-0,877717	-0,558168

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-0,872361	-1,08092	-1,41148	0,914673	0,954948	1,34798
-0,783042	-1,40645	-1,6373	1,02757	0,914087	1,12504
0,154498	0,166807	0,248135	-1,24842	-1,4074	-1,84873
0,154519	0,166949	0,246662	-1,25409	-1,40741	-1,84054
1,53294	1,2907	1,32824	-1,79121	-1,07313	-0,416956
1,38743	1,07157	0,924705	-0,809012	-1,24384	-1,58819
-1,40003	-1,82543	-0,863356	1,00769	0,814817	0,967375
0,156512	0,168839	0,250248	-1,2524	-1,4123	-1,84153
-0,164226	-0,0578258	-0,167322	1,43485	0,743914	0,184091
-0,988894	-0,297207	-0,988894	0,716097	1,49881	0,236253
0,522184	0,446037	0,918599	1,32773	1,18072	0,989921
0,157218	0,169674	0,249557	-1,25439	-1,40802	-1,84208
-0,804332	-0,9718	-1,2595	1,32538	0,765185	0,767228
0,161631	0,17409	0,253994	-1,25034	-1,40989	-1,84543
-1,40006	-1,82542	-0,863438	1,00457	0,819448	0,967105
1,39262	1,20119	1,2401	0,529258	-0,526905	0,0883046
-1,49351	-1,47201	-1,29252	0,608246	0,308244	-0,150982
-0,523026	-1,72925	-1,18071	0,0489912	0,173294	0,536158
-0,920366	-1,26842	-0,831841	1,23524	0,817014	0,526358
0,196663	0,0519335	0,30901	-1,37068	-2,01594	-1,04804
-0,935846	-1,08522	-1,34057	1,81407	0,897547	0,926838
-0,661267	-1,16226	-1,27073	0,83493	0,715991	1,3963
-1,0298	-0,845622	-1,0735	-1,00534	-0,634462	-0,771016
0,933964	0,915291	1,65146	-1,19345	-1,5414	-0,824312
1,37165	1,05209	0,903497	-0,854206	-1,27971	-1,57396
-0,636604	-1,14353	-1,10813	1,235	0,86628	1,01997
-0,589816	-0,548071	-0,539069	0,208523	-0,944113	-0,611079
0,805542	0,604452	0,819535	-0,509365	-1,09021	0,693969
1,73723	1,73723	1,11507	-0,218045	-0,770308	-0,987296
-1,01216	-1,01216	-1,01216	1,27337	0,957527	0,6722
-1,06691	-1,54372	-1,54372	1,02516	0,705244	0,42813
1,53491	1,59667	1,42966	-1,02837	-0,604576	-0,353568
0,811697	0,811697	0,811697	-1,47319	-1,28919	-1,38721
0,51064	1,3295	0,516007	-1,96734	-1,44034	-1,26498

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1,56275	1,53633	1,57079	-0,326342	-0,460296	-0,45144
0,405891	0,436978	0,461675	0,859944	0,443205	0,563273
-0,781927	-0,781927	-0,781927	1,40069	1,53801	1,05985
-0,539051	-0,622864	-0,639552	0,236186	-0,182534	-0,882392
-0,680785	-1,1004	-1,3297	1,25945	0,772428	0,785888
-0,631008	-1,00947	-0,823385	-0,0892079	-0,482088	-0,147172
0,786429	0,626111	0,468331	-1,22732	-1,74511	-1,80746
1,42972	0,830619	1,08878	-0,990767	-0,928491	-1,46153
-1,12752	-0,791081	-1,12752	1,63467	1,75381	0,772556
-0,730512	-0,730512	-0,730512	1,8452	1,7233	1,06332
-0,851571	-0,649092	-0,851571	1,6278	1,56432	1,36936
-0,95055	-0,383992	-0,436916	-0,0804397	0,599543	-0,538255
-0,223333	-0,916461	-0,619893	0,366912	0,339836	0,246219
-1,05313	0,338049	-0,607411	-0,309022	0,17879	0,106578
1,59291	1,64671	1,54733	-0,359908	-0,385014	-0,175904
-1,34393	-1,05535	-0,704261	0,140702	-0,587496	-0,0908446
-0,876167	-1,00993	-0,876151	1,11543	1,00367	0,242243
-0,572647	-0,721702	-1,11342	0,261234	-0,59722	-0,218404
0,607959	0,519284	-0,138081	-1,42407	-1,45829	-1,7276
-0,795025	-1,20608	-1,08628	1,29801	1,52266	1,50382
-0,961614	-0,321739	-0,530523	-0,994461	-0,0880399	-0,11866
-1,01486	-0,999714	-0,512405	1,20259	0,637898	0,843543
1,5076	1,12527	1,21397	-0,66472	-0,357614	-0,181872

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C: KEGG name
Bile secretion;Neuroactive ligand-receptor interaction;Pancreatic secretion
Adherens junction
Alzheimer's disease;Valine, leucine and isoleucine degradation
Neuroactive ligand-receptor interaction;Pancreatic secretion
Cell adhesion molecules (CAMs);Intestinal immune network for IgA production
Meiosis - yeast
ing pathway;Epithelial cell signaling in Helicobacter pylori infection;Hepatitis C;Leishmaniasis;Measles;Neurotrophin signaling pathway;NOD-like receptor signaling pathway;Osteoclast differer
Bladder cancer;GnRH signaling pathway;Leukocyte transendothelial migration;Pathways in cancer
Chemokine signaling pathway;Cytokine-cytokine receptor interaction
Chemokine signaling pathway;Cytokine-cytokine receptor interaction
Sphingolipid metabolism
GnRH signaling pathway;Neuroactive ligand-receptor interaction
Cysteine and methionine metabolism;Glycolysis / Gluconeogenesis;Propanoate metabolism;Pyruvate metabolism
;Cell adhesion molecules (CAMs);Graft-versus-host disease;Intestinal immune network for IgA production;ko05152;Leishmaniasis;Phagosome;Rheumatoid arthritis;Staphylococcus aureus infe
SNARE interactions in vesicular transport
Colorectal cancer;Endometrial cancer;Mismatch repair;Pathways in cancer
Complement and coagulation cascades
Collecting duct acid secretion;Epithelial cell signaling in Helicobacter pylori infection;Oxidative phosphorylation;Phagosome;Rheumatoid arthritis;Vibrio cholerae infection
Cell cycle;Cell cycle - yeast;Meiosis - yeast
Neuroactive ligand-receptor interaction
Maturity onset diabetes of the young
Acute myeloid leukemia;Cytokine-cytokine receptor interaction;Hematopoietic cell lineage;Pathways in cancer
Neuroactive ligand-receptor interaction

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Ribosome biogenesis in eukaryotes
Osteoclast differentiation
Cell cycle - yeast
MAPK signaling pathway;Osteoclast differentiation
Carbon fixation pathways in prokaryotes;Citrate cycle (TCA cycle)
Vascular smooth muscle contraction
GnRH signaling pathway;Neuroactive ligand-receptor interaction
Vascular smooth muscle contraction
Systemic lupus erythematosus
Autoimmune thyroid disease;Neuroactive ligand-receptor interaction
Neuroactive ligand-receptor interaction
Apoptosis;Cytosolic DNA-sensing pathway;Hepatitis C;RIG-I-like receptor signaling pathway;Toll-like receptor signaling pathway
Wnt signaling pathway



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mTOR signaling pathway
Cell cycle;Cell cycle - yeast;Meiosis - yeast;Oocyte meiosis;Progesterone-mediated oocyte maturation;Ubiquitin mediated proteolysis
Neuroactive ligand-receptor interaction
Cell cycle;Oocyte meiosis;Progesterone-mediated oocyte maturation
Neuroactive ligand-receptor interaction
Lysine degradation
Base excision repair
Cytokine-cytokine receptor interaction;Hematopoietic cell lineage;Jak-STAT signaling pathway
SNARE interactions in vesicular transport
Adherens junction;Cell adhesion molecules (CAMs)
Ribosome biogenesis in eukaryotes
endothelial cells;Chemokine signaling pathway;Chronic myeloid leukemia;ErbB signaling pathway;Focal adhesion;Glioma;Insulin signaling pathway;Natural killer cell mediated cytotoxicity;Neurotrophin signaling pathway
Cysteine and methionine metabolism
Cell adhesion molecules (CAMs);Hepatitis C;Leukocyte transendothelial migration;Tight junction
Amoebiasis;Endocytosis;ko05152;Phagosome
Glycerolipid metabolism;Glycerophospholipid metabolism
Cell cycle
Purine metabolism

Wnt signaling pathway
Ribosome biogenesis in eukaryotes
rens junction;Bladder cancer;Calcium signaling pathway;Endometrial cancer;ErbB signaling pathway;Focal adhesion;Non-small cell lung cancer;Pancreatic cancer;Pathways in cancer;Prostate c
Valine, leucine and isoleucine degradation
Cysteine and methionine metabolism
Ubiquitin mediated proteolysis
oithelial cells;Chronic myeloid leukemia;Endocytosis;ErbB signaling pathway;Insulin signaling pathway;Jak-STAT signaling pathway;Pathways in cancer;T cell receptor signaling pathway;Ubiquiti
Cytokine-cytokine receptor interaction;Jak-STAT signaling pathway
Neuroactive ligand-receptor interaction
Neuroactive ligand-receptor interaction
Cell cycle;p53 signaling pathway;Progesterone-mediated oocyte maturation
Long-term depression;Neuroactive ligand-receptor interaction
Vascular smooth muscle contraction
Cytokine-cytokine receptor interaction;Jak-STAT signaling pathway
RNA degradation
Cysteine and methionine metabolism;Glycolysis / Gluconeogenesis;Propanoate metabolism;Pyruvate metabolism
Neuroactive ligand-receptor interaction
Carbon fixation in photosynthetic organisms;Pentose phosphate pathway



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Phagosome	
Cysteine and methionine metabolism;Glycolysis / Gluconeogenesis;Propanoate metabolism;Pyruvate metabolism	
Neuroactive ligand-receptor interaction	
Cysteine and methionine metabolism	
Neuroactive ligand-receptor interaction	
Systemic lupus erythematosus	
Neuroactive ligand-receptor interaction	
Focal adhesion	
Protein processing in endoplasmic reticulum;Ubiquitin mediated proteolysis	
Amoebiasis;Hematopoietic cell lineage;ko05152;MAPK signaling pathway;Pathogenic Escherichia coli infection;Phagosome;Regulation of actin cytoskeleton;Toll-like receptor signaling pathway	
Jak-STAT signaling pathway	
Calcium signaling pathway;Neuroactive ligand-receptor interaction	
Cytokine-cytokine receptor interaction;Hematopoietic cell lineage;Jak-STAT signaling pathway;Primary immunodeficiency	
Measles	
Pentose phosphate pathway	
Axon guidance	
Gastric acid secretion	

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Axon guidance
Acute myeloid leukemia;Pathways in cancer;PPAR signaling pathway;Wnt signaling pathway
Cell cycle - yeast;Pathways in cancer;Small cell lung cancer
Huntington's disease
Endocrine and other factor-regulated calcium reabsorption
Pathways in cancer;Prostate cancer
Circadian rhythm - fly;Circadian rhythm - mammal
Osteoclast differentiation
Ribosome biogenesis in eukaryotes;RNA transport
Neuroactive ligand-receptor interaction
Cell cycle;Cell cycle - yeast;Meiosis - yeast;Oocyte meiosis;Progesterone-mediated oocyte maturation;Ubiquitin mediated proteolysis
Alzheimer's disease;Amyotrophic lateral sclerosis (ALS);Apoptosis;ko05152;Natural killer cell mediated cytotoxicity;p53 signaling pathway;Pathways in cancer;Viral myocarditis
Cell cycle - yeast;RNA transport
Oocyte meiosis
Neuroactive ligand-receptor interaction
Plant-pathogen interaction

Anova Photon

Ribosome biogenesis in eukaryotes
Neuroactive ligand-receptor interaction
MAPK signaling pathway
Glycerolipid metabolism;Glycerophospholipid metabolism;Phosphatidylinositol signaling system
Huntington's disease;TGF-beta signaling pathway
Cytokine-cytokine receptor interaction;Jak-STAT signaling pathway
Adipocytokine signaling pathway;Cytokine-cytokine receptor interaction;Jak-STAT signaling pathway;Neuroactive ligand-receptor interaction
Vascular smooth muscle contraction
Non-small cell lung cancer;Pathways in cancer;Small cell lung cancer
Systemic lupus erythematosus
Neuroactive ligand-receptor interaction
Cell adhesion molecules (CAMs);Hepatitis C;Leukocyte transendothelial migration;Tight junction
Calcium signaling pathway;Neuroactive ligand-receptor interaction;Vascular smooth muscle contraction
Antigen processing and presentation;Natural killer cell mediated cytotoxicity
Bacterial invasion of epithelial cells
Cell cycle;Cell cycle - yeast;Meiosis - yeast;Oocyte meiosis;Progesterone-mediated oocyte maturation;Ubiquitin mediated proteolysis

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Chemokine signaling pathway;Endometrial cancer;Neurotrophin signaling pathway;Non-small cell lung cancer

Antigen processing and presentation;Natural killer cell mediated cytotoxicity

Axon guidance;Fc gamma R-mediated phagocytosis;Regulation of actin cytoskeleton

Adherens junction

Neuroactive ligand-receptor interaction

Adipocytokine signaling pathway;Apoptosis;Hepatitis C;ko05152;RIG-I-like receptor signaling pathway

Insulin signaling pathway;Jak-STAT signaling pathway;Type II diabetes mellitus

Antigen processing and presentation;Natural killer cell mediated cytotoxicity

Cell adhesion molecules (CAMs);Hepatitis C;Leukocyte transendothelial migration;Tight junction

Calcium signaling pathway;Endocytosis;Neuroactive ligand-receptor interaction;Salivary secretion

Cytokine-cytokine receptor interaction;Rheumatoid arthritis

Cell adhesion molecules (CAMs);ECM-receptor interaction;Malaria

p53 signaling pathway

Cell adhesion molecules (CAMs)

Tight junction

Aldosterone-regulated sodium reabsorption;Taste transduction

Systemic lupus erythematosus

Mismatch repair

Bladder cancer;Non-small cell lung cancer;Pathways in cancer





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p53 signaling pathway	
Neuroactive ligand-receptor interaction	
mRNA surveillance pathway	
Neuroactive ligand-receptor interaction	
Systemic lupus erythematosus	
Systemic lupus erythematosus	
Calcium signaling pathway;Dilated cardiomyopathy;Endocytosis;Gap junction;Neuroactive ligand-receptor interaction;Salivary secretion	
Carbon fixation in photosynthetic organisms;Pyruvate metabolism	
Purine metabolism	
cancer;Focal adhesion;Glioma;Inositol phosphate metabolism;Melanoma;p53 signaling pathway;Pathways in cancer;Phosphatidylinositol signaling system;Prostate cancer;Small cell lung cancer	
Bladder cancer;Leukocyte transendothelial migration;Pathways in cancer	
DNA replication;Homologous recombination;Mismatch repair;Nucleotide excision repair	
Neuroactive ligand-receptor interaction	
Systemic lupus erythematosus	
Neuroactive ligand-receptor interaction	
Other types of O-glycan biosynthesis	
Pathways in cancer;Small cell lung cancer	
Protein processing in endoplasmic reticulum;Ubiquitin mediated proteolysis	

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Cell cycle;Cell cycle - yeast;Meiosis - yeast;Oocyte meiosis;Progesterone-mediated oocyte maturation;Ubiquitin mediated proteolysis

Adipocytokine signaling pathway;Carbohydrate digestion and absorption;Galactose metabolism;Glycolysis / Gluconeogenesis;Insulin signaling pathway;Starch and sucrose metabolism

ithelial cells;Chemokine signaling pathway;Chronic myeloid leukemia;ErbB signaling pathway;Focal adhesion;Glioma;Insulin signaling pathway;Natural killer cell mediated cytotoxicity;Neurotrc

Adherens junction;Circadian rhythm - plant;Measles;Ribosome biogenesis in eukaryotes;Tight junction;Wnt signaling pathway

Lysine degradation

Ribosome biogenesis in eukaryotes;RNA degradation

Calcium signaling pathway;Gastric acid secretion;Neuroactive ligand-receptor interaction

Systemic lupus erythematosus

Cytokine-cytokine receptor interaction

Systemic lupus erythematosus

Ribosome biogenesis in eukaryotes;RNA transport

Base excision repair

Chemokine signaling pathway;Cytokine-cytokine receptor interaction

Cell adhesion molecules (CAMs)

Maturity onset diabetes of the young

RIG-I-like receptor signaling pathway

Prion diseases

Ribosome biogenesis in eukaryotes

Ribosome biogenesis in eukaryotes;RNA transport

Arachidonic acid metabolism

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Proteasome	
Ribosome biogenesis in eukaryotes	
Antigen processing and presentation;Natural killer cell mediated cytotoxicity	
Neuroactive ligand-receptor interaction;Vascular smooth muscle contraction	
B cell receptor signaling pathway	
Citrate cycle (TCA cycle);Pyruvate metabolism	
Leukocyte transendothelial migration	
Cell cycle;Cell cycle - yeast;Meiosis - yeast;Oocyte meiosis;Progesterone-mediated oocyte maturation;Ubiquitin mediated proteolysis	
Cell adhesion molecules (CAMs);Hepatitis C;Leukocyte transendothelial migration;Tight junction	
Neuroactive ligand-receptor interaction	
Osteoclast differentiation	
Protein processing in endoplasmic reticulum	
pathway;Gastric acid secretion;Glioma;GnRH signaling pathway;ko05152;Long-term potentiation;Melanogenesis;Neurotrophin signaling pathway;Olfactory transduction;Oocyte meiosis;Phot	
Pentose phosphate pathway;Purine metabolism	
Cell adhesion molecules (CAMs);Hepatitis C;Leukocyte transendothelial migration;Tight junction	

Hepatitis C;PPAR signaling pathway
Ribosome biogenesis in eukaryotes;RNA transport
;Cell adhesion molecules (CAMs);Graft-versus-host disease;Intestinal immune network for IgA production;ko05152;Leishmaniasis;Phagosome;Rheumatoid arthritis;Staphylococcus aureus infe
Cell cycle;Cell cycle - yeast;Meiosis - yeast;Oocyte meiosis;Progesterone-mediated oocyte maturation;Ubiquitin mediated proteolysis
;Cell adhesion molecules (CAMs);Graft-versus-host disease;Intestinal immune network for IgA production;ko05152;Leishmaniasis;Phagosome;Rheumatoid arthritis;Staphylococcus aureus infe
Cytosolic DNA-sensing pathway;Hepatitis C;Measles;RIG-I-like receptor signaling pathway
Cell cycle
Alanine, aspartate and glutamate metabolism;Arginine and proline metabolism;Nitrogen metabolism
Focal adhesion;MAPK signaling pathway
Osteoclast differentiation
oma;Leukocyte transendothelial migration;Long-term depression;Long-term potentiation;MAPK signaling pathway;MAPK signaling pathway - yeast;Melanogenesis;Natural killer cell mediated c
RNA transport
Cell cycle
Neuroactive ligand-receptor interaction
p53 signaling pathway
Lysine degradation
Cell adhesion molecules (CAMs);Epithelial cell signaling in Helicobacter pylori infection;Leukocyte transendothelial migration;Tight junction
Hedgehog signaling pathway;Wnt signaling pathway

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Anova Photon	
Systemic lupus erythematosus	
Chemokine signaling pathway;Endocytosis	
Alzheimer's disease;Amyotrophic lateral sclerosis (ALS);Apoptosis;Huntington's disease;ko05152;p53 signaling pathway;Parkinson's disease;Small cell lung cancer	
Melanogenesis;Neuroactive ligand-receptor interaction	
NOD-like receptor signaling pathway	
Neuroactive ligand-receptor interaction	
Bacterial invasion of epithelial cells	
Neuroactive ligand-receptor interaction	
sis;Focal adhesion;Glioma;Hepatitis C;Insulin signaling pathway;Jak-STAT signaling pathway;Leukocyte transendothelial migration;Measles;Melanoma;mTOR signaling pathway;Natural killer ce	

C: ANOVA Significant	N: -Log ANOVA p value	N: ANOVA q-value	T: Node
+	3,73899	0,00881119	ENSP00000019103
+	4,62251	0,008	ENSP00000020945
+	3,05974	0,00816092	ENSP000000168216
+	3,16871	0,00796129	ENSP000000176195
+	6,18228	0,002	ENSP000000215637
+	3,36514	0,00773109	ENSP000000216024
+	3,67316	0,00834783	ENSP000000216797
+	3,72645	0,00868493	ENSP000000219070
+	3,57461	0,00817204	ENSP000000219235
+	4,10577	0,00847619	ENSP000000219244
+	2,68929	0,00965145	ENSP000000219334
+	2,7016	0,00951782	ENSP000000220429
+	3,38348	0,00786147	ENSP000000221421
+	3,23083	0,00742456	ENSP000000222718
+	3,75346	0,00898551	ENSP000000225245
+	2,9523	0,00832821	ENSP000000227322
+	3,3066	0,00731818	ENSP000000229319
+	3,05308	0,00811299	ENSP000000229829
+	2,87861	0,00845411	ENSP000000230340
+	3,60344	0,0082905	ENSP000000231668
+	3,75155	0,00892086	ENSP000000231790
+	4,03654	0,00804301	ENSP000000232458
+	4,94602	0,00693333	ENSP000000234071
+	3,38616	0,00787826	ENSP000000234396
+	2,74424	0,00922944	ENSP000000234626
+	4,27222	0,00941538	ENSP000000235090
+	3,11978	0,00830864	ENSP000000235933
+	2,89323	0,00828362	ENSP000000237527
+	2,92936	0,00831313	ENSP000000240488
+	3,37807	0,00781116	ENSP000000240652
+	3,66874	0,00821951	ENSP000000241453
+	3,75878	0,00915556	ENSP000000242480
+	4,4415	0,00718367	ENSP000000243673

+	3,73036	0,00874483	ENSP00000244230
+	4,14934	0,00843373	ENSP00000244661
+	2,72806	0,00932479	ENSP00000245620
+	4,48746	0,00713043	ENSP00000249440
+	3,72031	0,00862585	ENSP00000250151
+	3,10578	0,00827964	ENSP00000251372
+	3,37205	0,00779574	ENSP00000251390
+	2,7247	0,00933617	ENSP00000251496
+	3,29458	0,0072809	ENSP00000251527
+	3,7421	0,00894286	ENSP00000251757
+	3,1956	0,00795973	ENSP00000252037
+	2,6823	0,00965914	ENSP00000252818
+	3,23469	0,00743463	ENSP00000253099
+	4,16503	0,0086	ENSP00000253462
+	4,05492	0,00808889	ENSP00000253792
+	3,59534	0,00817582	ENSP00000253796
+	3,48372	0,00809662	ENSP00000254122
+	3,78379	0,00939535	ENSP00000254605
+	3,00374	0,00816086	ENSP00000254661
+	4,31155	0,01	ENSP00000254810
+	2,9901	0,00816887	ENSP00000254846
+	4,51775	0,00761905	ENSP00000255040
+	3,00457	0,00815054	ENSP00000256246
+	5,81216	0,00533333	ENSP00000256592
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+	3,93529	0,00826415	ENSP00000257118
+	3,68524	0,00859355	ENSP00000257700
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+	2,87562	0,00846265	ENSP00000257915
+	4,03272	0,00779167	ENSP00000258034
+	3,57099	0,00810638	ENSP00000258456
+	2,87924	0,00846489	ENSP00000259791
+	3,25512	0,00737455	ENSP00000259808
+	4,34189	0,007	ENSP00000260227

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+	4,05697	0,00836782	ENSP00000261669
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+	3,90598	0,00843636	ENSP00000261942
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+	2,91497	0,00825871	ENSP00000262013
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+	3,70284	0,00862162	ENSP00000262300
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+	3,86416	0,00845217	ENSP00000262460
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+	3,03351	0,00808864	ENSP00000262878
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+	4,17452	0,00865823	ENSP00000263187
+	3,17181	0,008	ENSP00000263239
+	3,26624	0,00736996	ENSP00000263360
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+	4,5321	0,0075122	ENSP00000263851
+	3,18048	0,008	ENSP00000263897
+	4,15954	0,00849383	ENSP00000264018
+	3,48319	0,00805769	ENSP00000264025
+	2,82538	0,00872222	ENSP00000264279
+	4,00888	0,00816327	ENSP00000264554
+	5,38186	0,00857143	ENSP00000264670
+	4,18204	0,00883117	ENSP00000264709
+	3,06755	0,0083787	ENSP00000264734
+	4,18268	0,00894737	ENSP00000264995
+	4,28032	0,00987097	ENSP00000265062
+	3,33267	0,00747826	ENSP00000265276
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+	3,51943	0,0081592	ENSP00000265748
+	3,69018	0,00838961	ENSP00000266395
+	2,89972	0,00822549	ENSP00000266743



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+	2,74814	0,00923747	ENSP00000268459
+	2,80387	0,00894064	ENSP00000268802
+	2,8266	0,00871462	ENSP00000268854
+	4,22493	0,00935211	ENSP00000269097
+	3,48383	0,00813592	ENSP00000269385
+	3,60171	0,00824444	ENSP00000269571
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+	4,66798	0,00733333	ENSP00000270225
+	3,23673	0,00746099	ENSP00000270279
+	3,75817	0,0090219	ENSP00000270452
+	3,322	0,00737984	ENSP00000270590
+	3,87112	0,00856637	ENSP00000270631
+	3,53194	0,00832821	ENSP00000270800
+	3,46549	0,008	ENSP00000272369
+	3,19732	0,00798649	ENSP00000272847
+	2,8455	0,00858491	ENSP00000275198
+	3,29682	0,00732075	ENSP00000276014
+	3,04365	0,00808914	ENSP00000276533
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+	4,84291	0,00647619	ENSP00000291294
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+	3,3164	0,00736923	ENSP00000295756
+	2,96225	0,0082487	ENSP00000295959
+	4,25587	0,00923529	ENSP00000295987
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+	2,67984	0,00964754	ENSP00000296802
+	3,14088	0,00805031	ENSP00000297012
+	4,80865	0,00636364	ENSP00000297229
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+	2,74021	0,00926724	ENSP00000298552
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+	2,66332	0,00974442	ENSP00000300086
+	3,0147	0,00817486	ENSP00000300151

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+	4,73188	0,00723077	ENSP00000303424
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+	4,79545	0,00626087	ENSP00000305133
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+	4,04302	0,00813043	ENSP00000306157
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+	3,31669	0,00738224	ENSP00000307599
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+	3,24375	0,00756679	ENSP00000307939
+	3,70021	0,0085906	ENSP00000308022
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+	3,04415	0,00810056	ENSP00000308369
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+	2,90423	0,00823645	ENSP00000308699
+	3,54165	0,00812435	ENSP00000308750
+	3,1689	0,00798706	ENSP00000309504

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+	3,37588	0,00779487	ENSP00000310928
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+	3,20776	0,00787586	ENSP00000331741
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+	3,41708	0,00801802	ENSP00000352561
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+	3,69574	0,00850331	ENSP00000353048
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+	2,9804	0,00823097	ENSP00000355587
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B5BU11;J3KNM0;O75551;P35813
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## Anova Photon

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O00459;Q5EAT5;Q9UPH9

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T: Gene name
SCTR
SNAI2
HSD17B10
SCT
MADCAM1
DMC1
NFKBIA
MMP2
CCL22
CCL17
SMPD3
GABPB1
LHB
HOXA2
ZPR1
LDHB
HLA-DOA
BYSL
BNIP1
MLH1
ECT2
PROC
ATP6V1B1
CDC7
WDR77
CD160
GHRH
MND1
IAPP
FLT3
EGR2
GPR83

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MPHOSPH10
LILRB3
HOXD3
LILRA1
NCAPG
ESYT2
FKBP6
JUND
MRPL4
GIN52
ACLY
RAMP2
FSHB
RRP8
RAMP1
H3F3A
KDM6B
APCS
TEX15
TSHB
CABLES1
PHC2
RINT1
KMT2E
TFCP2
TAAR5
GPR45
RIPK1
MMP7

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USP22
CAB39L
ANAPC5
FAF2
RPS6KA5
SPAG9
VIPR2
PKMYT1
GLP2R
GIN51
SETD1A
SAMHD1
XRCC1
MSH4
DDX18
EED
PNO1
TAF1B
IL7
USE1
PVRL1
NOP58
SHC2
NSUN2
DNMT3A
CLDN16
MRPL3
RAB7A
GPAM
DBF4
ANLN
PDE6H
SYCP3

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GPR84
TINF2
NKD1
NOB1
G6PC3
CBX8
ERBB2
BCKDHA
DNMT3L
SAE1
CBLC
LILRB4
GPR32
PTH2
IL22RA1
MEIS1
PTH2R
TAAR6
CCNB3
GIN54
CRH
ADM
LIN7C
SCN2B
CTF1
TEX12
DCP1B
LDHC
NBAS
PTH
SCN3A
SCN2A
RPIA

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GRAP
TIAM1
KAT6B
DPYSL5
HTR6
IFNGR2
ZFYVE28
PTGIR
TFF2
PKNX1
LILRA4
ACOX1
LSM12
WNT1
SYCE2
CLDN1
TRAT1
RPP14
SYN1
PRDM9
NSA2
HIST1H2AA
DCAF13
MELK
TSC1
SCN3B
TAF10
MC4R
LDHD
SCNN1G
TERF2IP
MRPL16



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RILP
TSR1
GPR25
LDHAL6B
HOXD4
PTGER4
AURKC
MAT2A
GPR27
RXFP1
HIST1H2AB
PTGDR
TLN2
SCN1A
UBE2E1
CD14
SOCS5
HOMER2
HOXC4
DRD5
IL7R
SLAMF1
RBKS
SCN11A
TADA3
GCC2
TADA2B
HOXB3
LEMD3
RND1
CBX2
SLC26A7

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DPYSL2
PPARD
CKS1B
RSF1
REST
PTPN2
KLK2
KLK3
PER1
TAF1D
MRPL1
DIS3L2
LILRB1
SUZ12
RANBP10
MRPS11
RPP25
MC5R
ANAPC4
BID
PRMT5
STAG3
GCSH
GHRHR
OSBPL1A
CRMP1
INSL3
PCBP4
TUFM
SCN4B
DBF4B
HOXA3
NR2F1
PAGR1

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IMP3
TAF1A
VIPR1
PPM1A
MYT1
HMG20B
DGKA
HOXD1
DDX24
HOXB4
SP1
IL22
LEPR
NDNL2
HDDC3
HOXB2
CALCA
RARB
HIST2H2AB
SETD8
MX2
MC2R
HOMER1
BCL9L
ARHGEF25
CLDN2
ADORA2A
KIR2DL1
ARHGAP10
FOXP1
ANAPC1

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FOXO3
KIR2DL4
DPYSL4
LIMK2
SSX2IP
CRHR2
PTN
TRADD
JARID2
SYCE1
SOCS4
RIOK3
KIR2DL3
CLDN4
NOXA1
HOXA1
DPYSL3
ADRB3
IL17A
SDC3
CCNG1
NFASC
EPB41
SCNN1B
CALCB
H2AFB1;H2AFB2
ARID4A
TRRAP
MLH3
GTF3C1
RASSF1

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GIP
USP33
MOV10
SYCP2
POT1
SYNE2
WDR5
HIST1H2AG
KCNQ2
KLRC1
HIST1H2AG
HIST1H3A
CALCR
HIST1H2AG
NPSR1
CSNK1E
CCT8L2
MCMBP
HOXA4
SCNN1A
MAP2
HTR4
FAN1
NSMCE1
HOXB1
HMGN2
TGM2
NTPCR
H3F3A
ENAH
SOD2
PFKFB2

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MDM4
VIP
SYNE1;SYNE2
RNF2
LTV1
HBS1L
TAAR2
S100A12
NSMCE4A
HIST2H2AA3
HIST1H3A
ADRB1
SYCP1
ME1
MTF2
PDE6C
CEP55
PTEN
MMP9
RPA4
GRIK3
MRPS15
H2AFY2
GLP1R
MAFB
NR5A1
OGT
TGIF2
TRAF1
PHF19
UBE2D1

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CDC26
PHF1
HLA-DMA
G6PC2
MSH5
CKS2
SHC3
CSNK2B
MASTL
GNL1
BMI1
SUV39H1
DNAJC3
XRN2
HRH2
HIST1H2AH
TNFRSF9
GPR20
HIST1H3A
KDM6A
RPP38
LIG3
CCL7
NRCAM
PAX6
SCNN1D
GATA3
ISG15
PRNP
RIOK1
GPR150
RPP40
ALOX15B

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USP3
POMP
HUS1B
NOP56
KDM4C
KCNQ3
KIR3DL1
HOMER3
CALCRL
CD79B
BBS10
NUMA1
PSMC3IP
ACD
PC
SIPA1
RARG
CDC23
CLDN3
ADM2
PTHLH
ADCYAP1R1
LILRA6
ING4
NFE2L2
CAMK2A
PRPS2
AEBP2
DSCAM
SUN1
CBX6
CLDN5



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SYCE3
SUN2
SCN9A
SCN7A
NR1H3
RPP30
HLA-DOB
SCN10A
SMARCD2
ANAPC7
SENP1
SCN4A
MUC20
SCN1B
HLA-DMB
GIN3
MAVS
WEE1
CPS1
PBX1
RASGRF1
LILRB5
PRKCA
RPP21
CDKN1C
ADCYAP1
MST1
GTSE1
EHMT1
PHC3
JAM2
PKD2
CSNK1A1

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LRPAP1
DDX41
H2AFY
GPBAR1
TFF3
GRK6
GPR68
EID3
APAF1
MC1R
PSTPIP1
GPR176
NUSAP1
TRPV1
01.Sep
GIPR
PIK3R2