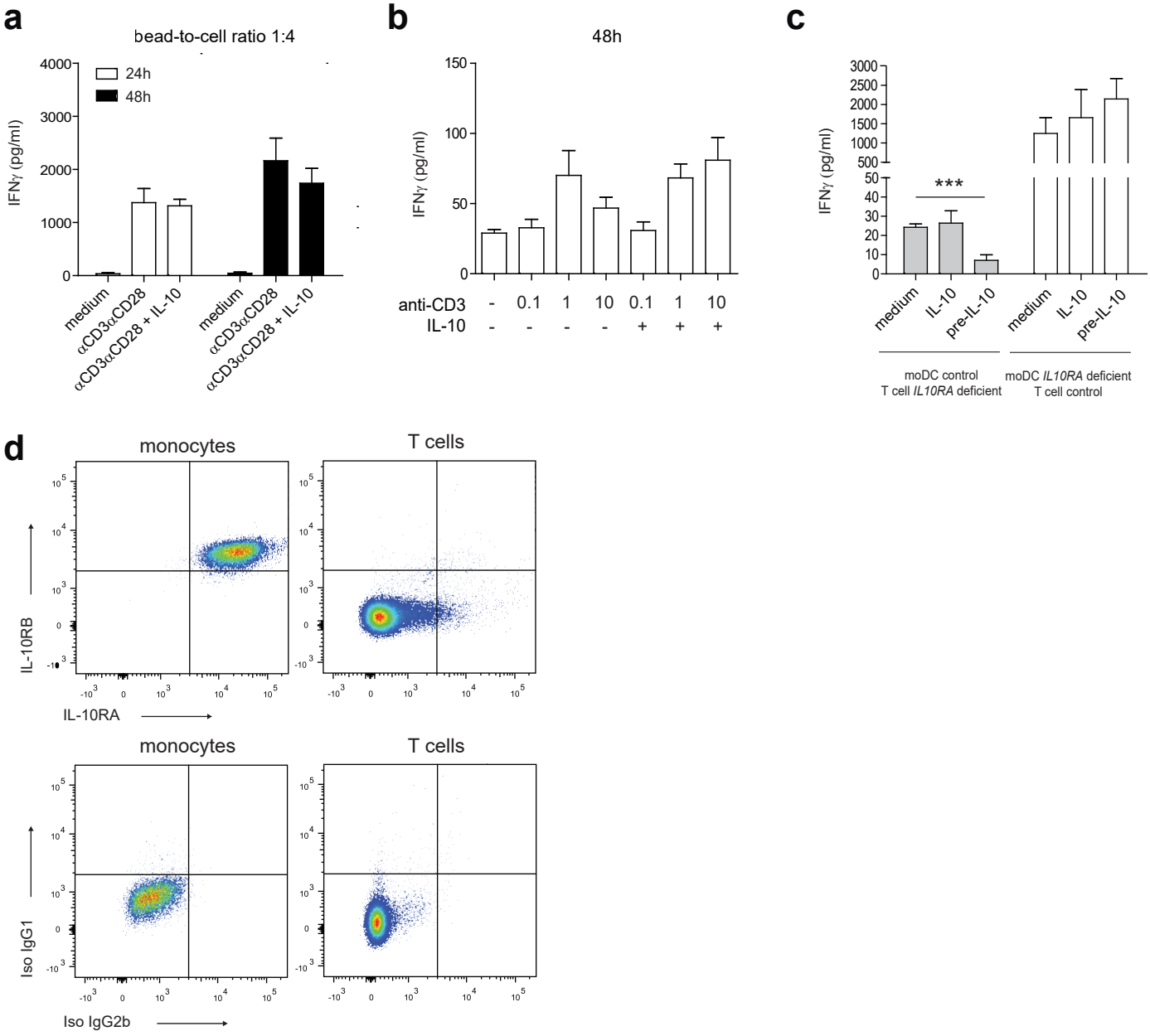
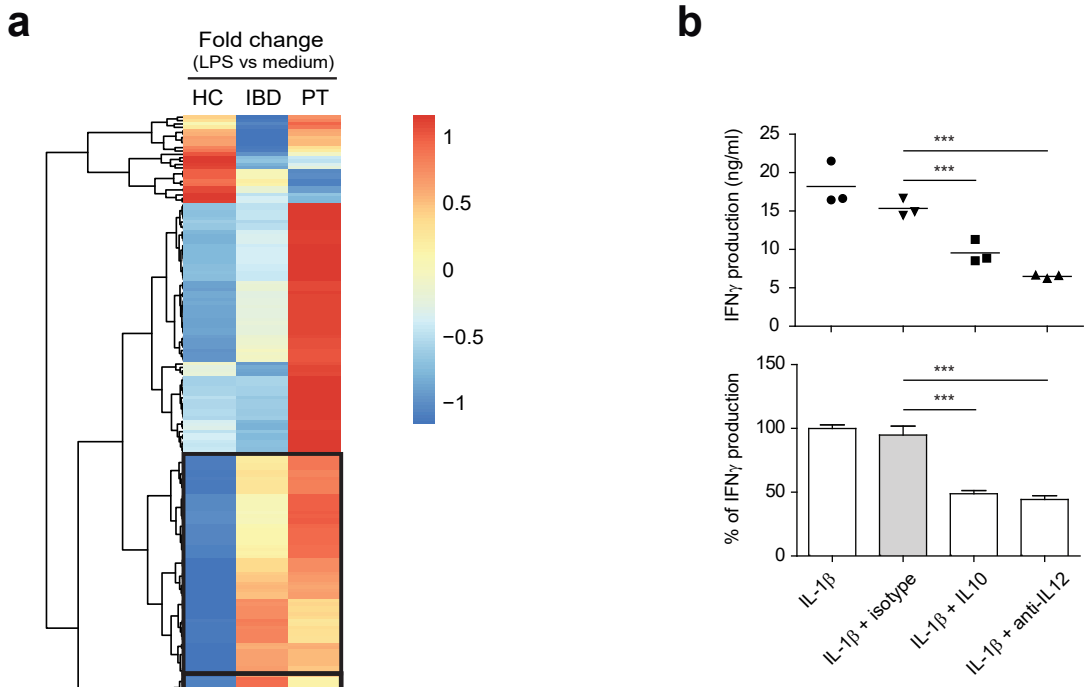
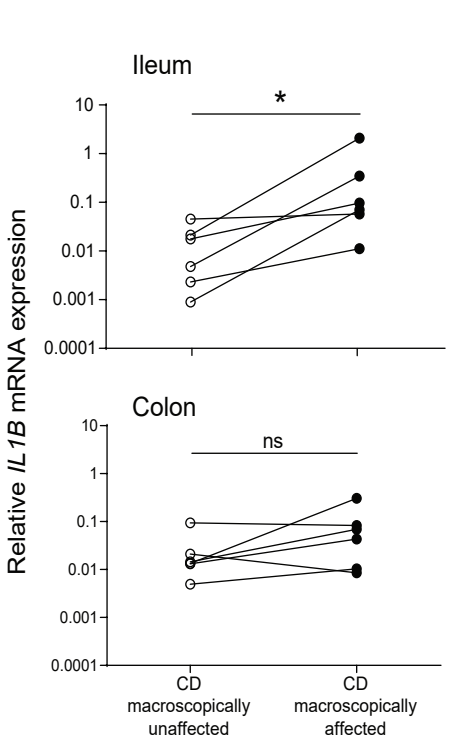
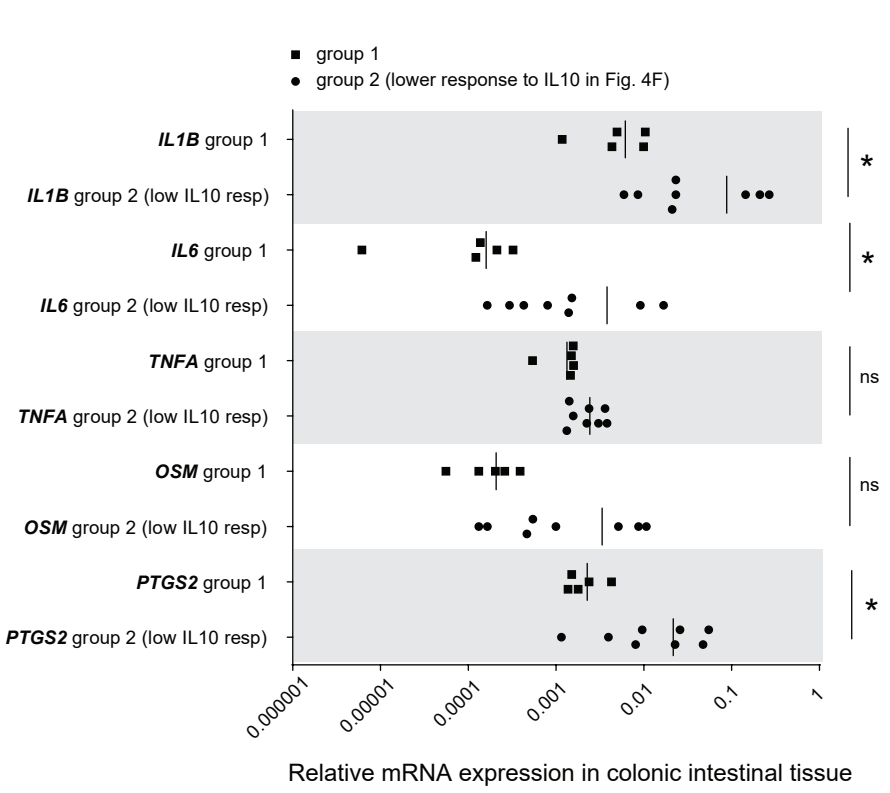


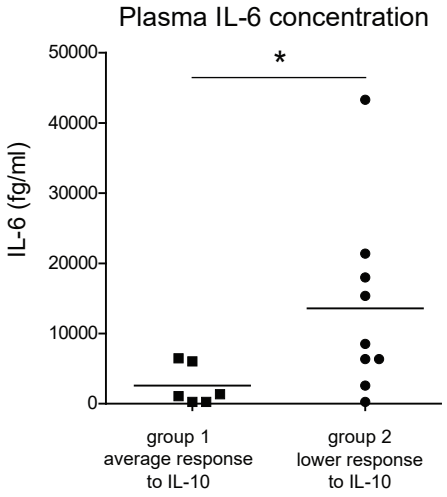
Supplementary Figure S1. IL-10 cannot inhibit IFNγ secretion by CD4+ T cells in a direct manner.
(a, b) CD4+ T cells from adult healthy controls (n=4) were stimulated with (a) anti-CD3/CD28 beads (bead-to-cell ratio 1:4) or (b) plate-bound anti-CD3 antibody (0.1, 1, 10 μg/ml) in the presence or absence of IL-10. After 24 h or 48 h, supernatants were assayed for IFNγ using an ELISA. (c) Monocyte-derived DCs from an *IL10RA*-deficient patient or healthy controls were preincubated with LPS or LPS/IL-10 for 24 h. Allogeneic MLRs were performed by co-culturing moDCs and CD4+ T cells with or without IL-10. After 72 h, supernatants were assayed for IFNγ using an ELISA. (d) Representative dotplots of data shown in Fig.1e. CD14+ monocytes and T cells were analyzed by flow cytometry for expression of IL-10RA and IL-10RB chains (gated on singlets).
Results are mean ± SEM (a, b) or mean ± SD (c) of a representative of at least 2 independent experiments. ***P<0.001 using unpaired Student's t test.



Supplementary Figure S2. (a) Gene expression profile of dendritic cells from pediatric IBD patients partially overlaps with *IL10RA*-deficient dendritic cells. Heat map of differentially expressed genes showing color-coded fold change between LPS stimulated and unstimulated moDCs from healthy controls (n=3), *IL10RA*-deficient patient, and pediatric IBD patients (n=3).
(b) IL-1β stimulates IFNγ release by human CD4+ T cells indirectly through induction of IL-12 production (data related to Figure 3 of the manuscript). Allogeneic MLRs were performed using moDCs and CD4+ T cells from healthy individuals. SEB was added in the presence of IL-1β , with or without IL-10, neutralizing IL-12 antibodies, or isotype control. After 72 h, supernatants were assayed for IFNγ using an ELISA. Top graph depicts 1 representative experiment of n=3. Bottom depicts combined data of n=3 experiments where IFNγ production is expressed as percentage relative to the IL-1β condition (100%) in each experiment.







d

group 1: average IL-10 responder	age at diagnosis	diagnosis	Paris classification (Location);(behavior)	exposed to anti-TNF/biological 1=yes/0=no	exposed to other medication	resection
1-female	14	CD	L1+L4a; B1 + p	1; IFX	aza; 6-TG	0
2-female	16	CD	L2; B1	0	aza	0
3-female	18	CD	L3; B1	0	aza	0
4-male	15	CD	L1; B1	0	aza; mesa	0
5-female	13	UC	E4; S0	0	mesa	0
6-male	13	UC	E1; S0	0	mesa; aza	0
group 2: low IL-10 responder	age at diagnosis	diagnosis	Paris classification (Location);(behavior)	exposed to anti-TNF/biological 1=yes/0=no	exposed to other medication	resection
1-male	8	CD	L3+L4a; B1 + p	1; IFX	aza	0
2-male	12	CD	L3+L4a; B1 + p	1; IFX; ADA	aza	0
3-male	10	UC->CD	L2; B1	1; IFX;	aza	0
4-female	13	CD	L1+L4a; B1 + p	0	budesonide	0
5-male	9	UC	E4; S1	1; IFX; ADA	aza;mesa	0
6-female	12	UC	E2; S0	1; IFX; VEDO	mesa; aza	0
7-male	13	IBDU	E4;S0	1; IFX		1
8-female	9	UC	E4; S0	0	mesa	0
9-female	13	UC	E4;S1	0	mesa; aza	0

UC, ulcerative colitis; CD, Crohn's disease; IFX, infliximab; ADA, adalimumab; VEDO, vedolizumab; aza, azathioprine; mesa, mesalazine; 6-TG, 6-thioguanine.
Paris Classification: *CD-Disease location*: (L1) involvement of the terminal ileum only, with limited or no cecal disease; (L2) colonic involvement only; (L3) involvement of both the terminal ileum and colon; (L4) isolated upper GI disease, defined as macroscopic and/or radiologic abnormalities proximal to the terminal ileum. Isolated upper GI disease (L4) is further separated into esophagogastroduodenal disease (L4a), jejunal/proximal ileal disease (L4b), or both L4a and L4b. Upper GI disease (i.e. L4a, L4b, L4ab) can also coexist with L1, L2, or L3.
CD-Disease behavior: is registered as the presence of strictures, intraabdominal fistulas, and/or intraabdominal abscesses and categorized disease according to the Paris classification: (B1) non-stricturing, non-penetrating disease; (B2) stricturing disease; (B3) penetrating disease (excluding isolated perianal or rectovaginal fistulas); (p) perianal disease. *UC-Disease location:* (E1) proctitis only; (E2) left-sided colitis, inflammation distal to the splenic flexure; (E3) extensive colitis, inflammation proximal to the splenic flexure but distal to the hepatic flexure; and (E4) pancolitis, defined as inflammation extending proximal to the hepatic flexure.
UC-Disease behavior: (S1) has experienced acute severe colitis; (S0) has not experienced acute severe colitis.

Supplementary Figure S3. Enhanced *IL1B* expression and suboptimal IL-10 function in pediatric IBD patients.
(a) *IL1B* mRNA expression was measured in biopsies from macroscopically affected intestine (closed symbol) and biopsies from unaffected regions (open symbol) derived from treatment-naive CD patients. Paired samples per individual patient are shown. (b) mRNA expression was measured in biopsies from group 1 and group 2 (lower response to IL-10) patients analyzed in Fig. 4f. (c) IL-6 concentrations in plasma of group 1 and group 2 (lower response to IL-10) patients analyzed in Fig. 4f. (d) Patient disease characteristics of group 1 and group 2 (lower response to IL-10) patients analyzed in Fig. 4f.

Supplemental references referred to in Methods:

51. Trapnell C, Pachter L, Salzberg SL. TopHat: discovering splice junctions with RNA-Seq. *Bioinformatics (Oxford, England)* 2009; **25**(9)**:** 1105-1111.

52. Trapnell C, Williams BA, Pertea G, Mortazavi A, Kwan G, van Baren MJ *et al.* Transcript assembly and quantification by RNA-Seq reveals unannotated transcripts and isoform switching during cell differentiation. *Nature biotechnology* 2010; **28**(5)**:** 511-515.

PT.LPS.vs.PT.unstim

	Healthy Controls						Inflammatory bowel disease patients						*IL10RA*-deficient patient					
tracking_id	HC1_unstim	HC1_LPS	HC2_unstim	HC2_LPS	HC3_unstim	HC3_LPS	IBD1_unstim	IBD1_LPS	IBD2_unstim	IBD2_LPS	IBD3_unstim	IBD3_LPS	PT_unstim	PT_LPS	logFC (PT_LPS/PT_unstim)	logCPM (counts per million)	PValue	FDR
CMPK2	8,28482	170,59	3,91011	234,745	2,91982	220,241	5,64159	244,814	5,7875	249,077	2,43357	241,427	1,73704	282,617	7,329336061	8,456803978	1,00414E-09	1,69315E-05
IL12B	1,99472	139,946	2,52815	551,64	1,09036	905,861	0,583326	535,264	0,208481	321,021	2,08817	1188,28	0,796262	1245,66	10,5986027	10,54995098	1,7774E-09	1,69315E-05
IL8	1,47838	174,614	9,29087	923,455	3,77777	1400,42	2,09274	552,801	2,30063	627,965	5,2537	561,494	7,59637	2218,94	8,187815267	10,87455864	3,83314E-09	2,4343E-05
IL2RA	2,02511	21,3285	2,00383	85,7318	0,602627	37,1544	0,497805	93,6372	0,310094	44,0758	0,305028	31,5818	0,0647704	68,1972	9,941616151	6,849537448	6,95259E-09	3,31152E-05
GCH1	1,06736	101,155	0,624818	107,441	1,58384	324,266	0,72337	254,959	0,521104	140,148	1,97782	250,509	1,4361	341,411	7,892843632	8,822916238	9,40048E-09	3,58196E-05
GBP5	4,31311	156,852	5,34242	241,239	4,12013	181,925	7,05741	510,597	3,24626	309,74	3,1358	326,974	3,46742	283,333	6,346923793	9,263179212	1,36594E-08	4,3373E-05
HERC5	2,459	132,591	1,46792	206,02	2,07946	255,035	3,15648	310,101	2,30222	194,984	0,883408	187,578	1,22088	240,096	7,612929321	8,809834134	1,69063E-08	4,6014E-05
IDO1	8,78675	417,533	2,61067	683,778	4,84584	727,883	2,79992	1337,41	2,56386	508,59	3,13196	973,858	2,5964	1360,92	9,028447746	10,36884448	2,63164E-08	6,26725E-05
CXCL10	0,933688	1128,07	1,24918	2666,28	0,721847	1942,87	1,29245	3334,76	0,682744	1454,95	3,54997	3776,3	1,25077	2719,47	11,07100718	10,59718287	8,16024E-08	0,000172743
CFB	1,68546	74,9856	1,86127	103,668	1,77782	140,199	2,41863	280,854	5,34691	344,682	3,40021	213,657	1,93193	128,173	6,046278238	7,466696491	1,03526E-07	0,000197237
DDX58	7,41079	316,037	6,76623	474,405	5,8043	500,557	8,17065	641,447	7,42127	401,027	2,89581	314,894	9,75315	575,472	5,880252492	10,54442841	1,14962E-07	0,000199115
MCOLN2	11,9283	72,8567	15,0701	175,784	14,3921	248,826	6,83454	231,336	5,56241	156,747	8,59947	154,488	8,9296	222,339	4,635592378	8,525316579	1,49962E-07	0,000234464
IFIT3	19,8136	1236,52	8,43754	1199,41	7,4065	1326,21	16,9743	1781,87	34,7479	2116,53	7,75625	1599,57	11,8134	1628,35	7,104927402	11,02122959	1,60564E-07	0,000234464
IL1B	15,9829	1367,71	36,3603	2575,98	21,8116	2868,16	9,11188	2301,12	15,6688	3082,94	45,5178	9642,2	14,3804	7633,21	9,050455838	12,44138693	1,72291E-07	0,000234464
IFI44L	2,0609	75,9017	0,76707	153,714	0,429261	186,201	2,45213	188,886	1,60398	136,524	0,169206	83,4744	0,499117	183,549	8,51352221	9,192044285	2,40323E-07	0,000273167
PDE4B	1,14035	14,0707	1,7322	40,1181	1,101	34,6159	0,790558	53,7205	1,94624	36,3354	1,30896	63,2904	2,1449	131,111	5,928073437	8,103557644	2,45187E-07	0,000273167
DDX60	3,11665	47,072	2,6048	73,7511	3,4851	72,6714	4,28868	113,708	1,61875	57,2071	1,47104	50,803	1,75422	68,7645	5,288729873	7,857818075	2,497E-07	0,000273167
EREG	0,675609	16,2128	1,00504	28,7771	0,714368	46,1869	1,00385	35,4144	0,541499	23,3	1,03609	31,3929	0,860157	69,7557	6,334469218	7,452386106	2,58083E-07	0,000273167
OAS3	8,58228	167,954	5,69021	236,709	6,98077	185,543	12,3174	268,584	9,03897	231,594	11,4558	261,721	4,27714	197,523	5,526311549	9,504694648	2,8931E-07	0,000277744
PARP14	45,3236	411,363	39,4066	568,469	52,2405	720,549	42,6087	792,853	30,3352	563,173	22,8825	508,789	33,5102	764,927	4,510291045	11,71325463	3,14386E-07	0,000277744
CCL1	0,115158	66,0161	1,52818	151,97	0,314327	153,312	0,331249	79,3266	1,44533	208,596	0,136684	88,9808	0,572664	88,8519	7,186852164	4,102105099	3,199E-07	0,000277744
IL15RA	1,60472	88,575	1,86616	97,2408	0,901437	69,3594	0,643528	134,133	0,732031	140,576	3,30913	286,664	0,472716	188,298	8,638859914	7,287789434	3,21099E-07	0,000277744
CCL20	0,179329	41,4614	0,30599	160,445	1,65235	458,702	0,131733	164,391	0,127808	147,735	0,848409	343,977	0,99507	537,586	9,051677865	7,594977585	3,39571E-07	0,000277744
ELOVL7	1,23782	12,7537	0,752417	17,4175	0,5289	34,5079	0,834508	31,7419	0,895871	21,9939	1,6631	33,3113	0,941681	40,7774	5,433057659	6,410556577	3,49877E-07	0,000277744
HERC6	2,66324	46,5265	2,15795	78,029	2,92419	83,7858	3,34351	96,156	2,82091	83,3675	1,84529	57,7233	2,85088	90,3456	4,984246449	7,575341715	3,98941E-07	0,000304025
IFIT2	11,4341	815,788	3,82584	782,753	1,79597	917,48	9,60049	1141,25	8,26707	926,108	2,00618	817,981	3,49775	946,19	8,076047012	10,77545332	4,58752E-07	0,000336159
GBP4	1,94152	85,7592	1,13638	127,678	0,984902	86,7133	0,9856	197,12	0,43737	91,4466	1,08619	139,694	0,73918	95,9952	7,014293868	8,331384042	4,77042E-07	0,000336615
USP18	1,78187	112,536	0,973316	132,708	0,652027	129,67	1,42496	166,996	1,81715	193,234	0,239739	175,675	1,22324	184,359	7,225879736	7,577363015	5,3036E-07	0,000349173
CXCL1	0,0391699	18,4554	0,201502	141,925	0,540937	480,91	0,0288148	111,117	0,421178	286,745	0,718626	160,879	0,75662	1018,96	10,3689502	9,113118413	5,31494E-07	0,000349173
RSAD2	25,4073	1071,31	13,9299	1587,34	10,9554	1874,77	11,6158	1663,95	21,1752	1812,66	4,54674	1099,71	14,9955	2115,13	7,137862706	11,94830324	5,96638E-07	0,000378905
OAS2	27,3949	548,81	16,0245	582,204	13,0076	372,482	37,4615	792,5	26,5642	638,148	13,3137	619,063	12,3442	610,828	5,769809987	10,12591553	8,6348E-07	0,000530678
CYP7B1	0,256674	2,99174	0,0888434	14,7991	0,16588	12,8135	0,0887486	27,2972	0	5,31118	0,080078	15,4336	0	12,3627	10,96450912	3,926158073	1,16877E-06	0,000695854
MX2	7,21066	242,66	4,29574	265,482	2,69066	181,664	12,3587	376,606	9,72176	345,109	7,38359	376,93	2,42336	249,489	6,6812728	8,605897324	1,78763E-06	0,001026926
XAF1	17,9324	164,33	16,9228	236,479	16,8344	367,802	26,5911	312,958	31,2917	289,965	7,91662	208,329	16,109	375,288	4,570266136	9,52729265	1,83264E-06	0,001026926
GBP1	10,7061	356,823	10,17	483,139	16,5487	595,93	10,3034	1082,41	7,93361	382,391	13,287	780,278	15,988	658,551	5,362125723	10,07266463	2,31029E-06	0,001257589
IFIH1	25,649	422,74	27,96	585,984	37,6604	889,928	28,466	757,118	21,0448	543,537	22,849	559,676	57,6679	1258,23	4,445544726	11,29129818	2,44493E-06	0,00128426
SOD2	38,6141	1617,84	72,51	3248,93	45,2183	2230,54	58,1319	3267,71	54,8371	2754,39	211,108	3040,18	83,3227	2675,37	5,031152438	10,76030345	2,52159E-06	0,00128426
SVEP1	0,0153544	0,616269	0,018718	1,31588	0,0383576	0,378083	0,0297081	1,08711	0,113695	0,708994	0,0430226	0,339854	0	0,955757	9,73986723	2,700577102	2,56151E-06	0,00128426
IFI44	13,0212	137,856	6,58444	316,729	9,80888	506,729	13,0768	326,332	7,50058	260,632	2,72034	232,781	10,5973	448,859	5,402456617	8,617752339	2,94347E-06	0,001437921
PARP9	16,0622	132,255	12,6896	173,792	17,5716	256,579	16,3398	225,615	13,8411	171,904	4,85264	148,65	17,7061	257,887	3,788693789	9,043786242	3,77001E-06	0,001795655
PLSCR1	2,3564	22,9885	1,00265	50,6654	1,86428	84,345	2,74222	70,5523	0,971906	53,2043	1,13802	55,3229	1,94415	59,1421	4,920844871	6,104059686	5,44995E-06	0,002532497
PTGS2	0,331051	33,4102	1,08206	128,75	0,604018	208,147	0,504792	118,037	0,12307	113,97	1,22155	368,772	1,96779	844,126	8,740412441	10,99045567	5,69438E-06	0,002583079
NFKB1	41,8609	238,411	50,1332	335,146	40,3206	312,434	27,893	432,577	31,5264	326,146	50,7973	428,626	48,3476	528,765	3,449157654	10,2941414	6,4272E-06	0,002724517
DENND5A	12,1335	101,699	11,7905	103,958	13,3049	122,392	13,2442	187,724	7,96193	114,339	23,291	236,157	12,548	166,686	3,728531059	8,902046971	6,47429E-06	0,002724517
MX1	19,5717	743,35	13,0624	763,214	5,10095	548,274	32,7324	1025,72	27,8244	981,816	7,40385	797,968	10,4121	748,068	6,177705021	10,07942629	6,56471E-06	0,002724517
TRIM22	10,1125	70,3008	11,3631	118,247	14,4342	193,933	22,5277	190,45	12,4487	179,914	7,33709	133,732	8,05798	199,502	4,626956937	8,392557385	6,5782E-06	0,002724517
IL7	0,854137	8,48635	0,326983	9,81024	0,400837	9,11256	0,341448	15,0856	0,433682	8,27637	0,187751	12,9793	0,280109	8,46737	4,928632496	3,14402044	7,06586E-06	0,002813964
PMAIP1	5,33477	37,1316	4,43845	94,1165	3,63134	71,7602	3,14481	126,351	0,797424	61,9391	4,08758	105,216	3,01102	95,8345	4,987526985	6,587025484	7,08956E-06	0,002813964
APOL3	2,5687	98,7177	4,05862	103,27	4,78903	97,9219	6,7578	293,788	5,32826	226,203	11,7149	179,294	3,50267	162,09	5,486532127	7,510652382	7,4612E-06	0,002901038
ABTB2	2,13041	31,6771	1,83723	33,3425	1,06935	17,7107	0,844645	58,6178	0,406112	34,5532	2,91627	63,125	0,62296	33,687	5,748299735	6,497950056	7,90588E-06	0,003012455
CXCL11	0,214766	208,115	0,185045	691,279	0,0371221	442,735	0,277631	1236,23	0,347751	355,97	0,345991	557,044	0,173755	485,474	11,36942001	8,579611921	8,28791E-06	0,003096103
SERPINB9	2,51892	38,7473	4,03714	117,863	5,08114	133,122	7,76436	283,377	2,64388	82,3425	3,83999	188,707	4,64715	150,462	5,01391514	8,423223218	8,4697E-06	0,003103169
MGC12916	0,66677	3,97977	0,846038	4,82131	0,605624	13,2245	0,385512	7,89807	0	3,97397	0,121955	13,9072	0,162293	20,8469	6,939159161	4,409868705	9,31918E-06	0,003349982
CCL5	15,9475	393,613	9,50979	798,868	17,8994	254,597	8,24523	1314,1	14,3002	902,307	25,6274	1224,14	15,6592	835,793	5,736891995	8,940925156	9,74411E-06	0,003437868
GUCY1A3	0,105153	3,20068	0,065109	6,07586	0,0626694	1,73035	0,00620979	19,3169	0,00454214	2,25917	0,0352481	7,90894	0,0390796	9,61929	7,977485343	4,88910764	1,05544E-05	0,003656037
MASTL	3,5454	36,6225	4,7735	45,0581	2,7085	66,0232	4,2535	59,5253	2,31527	51,5719	2,62793	49,3351	3,15631	79,1282	4,643214913	7,299142433	1,08049E-05	0,003675975
IL36G	0	3,31773	0,0664197	21,9591	0	45,657	0	8,20886	0	10,8645	0	45,125	0	89,8195	12,66222454	5,624360607	1,15754E-05	0,0038496
DHX58	2,18937	32,247	1,35803	30,0971	0,60224	17,3095	2,5783	34,6711	1,21183	32,5308	2,10677	37,4849	0,929551	27,7561	4,890211058	5,279493283	1,17193E-05	0,0038496
HIVEP2	0,61894	10,751	0,849035	13,8759	1,54927	20,5775	0,632421	17,6927	0,481875	17,5688	1,54603	21,3528	0,989381	22,12	4,478332807	6,94574665	1,23194E-05	0,003978132
EPSTI1	2,95427	62,4988	2,33917	104,256	0,793343	71,0096	4,42951	108,405	4,83593	125,914	0,910378	66,9208	1,72481	70,2793	5,343526822	6,892475135	1,34582E-05	0,004273438
SLAMF7	60,8463	733,708	86,4235	980,098	85,5781	1492,75	47,3839	1720,17	136,59	2731,29	117,468	1909,79	120,543	1831,46	3,923777633	11,39168923	1,45265E-05	0,004537017
SP110	8,51543	148,188	12,5963	143,164	11,0095	224,215	13,6285	185,057	23,6441	236,71	7,35649	213,688	13,5626	229,393	4,074051026	8,102063449	1,54787E-05	0,004756465
NT5C3	4,02512	43,8262	2,78689	126,007	1,10907	86,8831	3,29772	120,158	2,0841	58,3943	1,3524	68,9602	1,87907	95,2731	5,671433537	6,422512027	1,57698E-05	0,00476899
IFIT1	7,87654	328,574	2,59249	411,276	1,56377	525,986	7,62338	434,287	5,85475	438,734	1,20277	385,998	3,80928	390,121	6,677627265	9,851325973	1,6365E-05	0,004871664
LOC440896	1,34462	10,5918	0,817217	13,5755	0,626944	19,0459	0,344988	23,5584	0,299999	17,9888	0,543608	30,8351	0,884374	37,3148	5,389992056	5,995686138	1,81691E-05	0,005211824
FAM13A	4,99751	0,908455	2,64886	0,761525	4,66425	0,879714	3,28913	0,778319	1,65498	0,319456	3,78315	0,636587	4,09376	0,152829	-4,738059709	3,516491432	1,8323E-05	0,005211824
NAMPT	18,2034	141,388	23,6701	429,798	23,0058	580,342	17,5112	433,6	13,6983	418,522	8,5856	219,565	21,8857	443,301	4,338001248	10,1571367	1,83284E-05	0,005211824
IFITM1	0,897236	106,208	0,883211	129,063	0,718451	52,667	2,66682	138,041	1,0312	153,675	0,352941	74,2239	0,189296	79,0608	8,521623741	4,522036882	1,873E-05	0,005247702
IRF1	4,05282	41,6918	3,92317	53,2344	2,16662	16,8078	2,63544	56,8102	3,18796	42,1364	6,49917	57,1812	1,36866	30,7441	4,483573732	5,914893081	2,03346E-05	0,005588689
ETV7	0,107846	11,885	0	11,978	0	13,4604	0,110522	18,4117	0	16,7537	0,251272	20,1794	0,0376983	11,0959	7,842172101	3,009260991	2,09145E-05	0,005588689
CD38	0,79037	47,0305	3,52728	96,6535	1,37575	44,0846	2,54968	176,646	0,0947139	45,3156	2,88203	117,161	0,643441	101,658	7,279928129	6,209487645	2,09225E-05	0,005588689
KIAA1217	0,0264345	0,214526	0,0192051	1,09085	0	0,80129	0	0,813773	0,00718648	1,83316	0,0115417	0,832048	0,0323172	6,23826	7,509910434	4,726686598	2,11204E-05	0,005588689
NFKBIZ	1,39249	23,4076	2,18447	37,0491	1,7587	44,6792	1,40331	48,0568	0,807309	49,455	3,6975	68,8539	2,69825	56,0224	4,375143286	6,905647086	2,1774E-05	0,005682715
IFI27	2,92336	101,807	1,80494	144,654	1,64962	73,0946	4,11665	179,691	1,27196	276,597	0,406536	131,787	0,108286	108,431	9,617796582	4,782350983	2,24501E-05	0,005779995
IL6	0,0771721	74,0297	0,330745	406,34	0,585862	1004,61	0,0852001	409,184	0,165898	434,283	1,35866	1360,69	2,13594	3102,12	10,49501809	10,74130199	2,34003E-05	0,005913872
AIM2	0,794744	14,1561	1,0893	22,1913	0,895095	14,323	0,738683	28,7129	0,825347	23,3466	0,138002	32,2884	0,38056	18,353	5,552518556	3,752543797	2,35909E-05	0,005913872
CXCL2	0,264349	10,552	1,03622	53,45	1,40757	70,9393	1,86275	35,5952	2,88284	79,5178	5,40686	94,756	3,50164	277,007	6,300342833	7,303618776	2,76651E-05	0,00684513
TNFSF10	2,7034	177,987	3,02115	264,973	0,61077	216,827	4,16522	327,233	3,23834	257,66	0,427366	198,181	2,32734	231,454	6,74268467	7,818931912	2,93908E-05	0,007176722
STAT2	14,8982	126,512	15,8995	139,985	14,1131	120,375	20,1132	176,11	29,3566	226,431	17,7671	183,467	11,3686	162,557	3,835705537	8,726447456	3,01131E-05	0,007176722

PT.LPS.vs.PT.unstim

UBE2L6	33,6059	275,257	30,3464	246,187	42,4375	246,226	35,2486	287,899	39,5067	419,165	42,1091	256,275	31,7841	305,846	3,26637065	7,649680867	3,01353E-05	0,007176722
NEURL3	0,511471	25,7904	0,683452	45,2833	0,495176	47,0774	0,0755936	42,3528	0,662849	118,287	0,299574	32,0688	0,430611	53,9957	6,93925364	5,491174567	3,18513E-05	0,007315292
NUB1	68,3566	346,964	54,7166	410,258	33,2516	265,328	35,6635	473,079	28,0409	384,808	31,7423	316,323	26,5677	292,179	3,457450396	9,034245309	3,1962E-05	0,007315292
MAP3K8	4,02608	17,0705	3,93225	25,0346	4,32118	46,7269	3,85524	38,7767	2,06738	14,5288	4,41152	67,9522	3,84857	55,2019	3,862097595	6,524296766	3,21085E-05	0,007315292
SLAMF1	1,02386	19,3963	2,31051	69,1317	2,80523	98,5511	0,463904	55,1629	1,4693	163,999	1,44312	41,1681	1,3562	87,3773	6,000617959	6,484327198	3,2253E-05	0,007315292
TRIM25	12,0094	97,9525	12,8833	110,504	15,4053	97,3677	13,32	118,444	15,0018	140,163	14,5559	135,549	12,7706	128,517	3,328649047	8,777350399	3,292E-05	0,007378724
LOC731424	2,95904	68,3344	2,20001	60,3014	7,48642	156,281	0,784315	80,4009	3,50507	210,44	4,91415	146,099	4,43961	147,354	5,04957699	8,083447373	3,39502E-05	0,00749211
TDRD7	14,9253	83,4482	13,9014	92,2454	18,1716	116,928	12,5785	117,014	8,15544	81,2553	6,7151	83,2499	12,4414	115,935	3,217825444	8,001756563	3,4232E-05	0,00749211
TNFAIP6	1,08152	179,489	2,31217	372,351	3,11728	1233,23	2,53052	1537,4	0,499604	406,533	14,1646	1458,35	6,22805	1612,59	8,013423905	10,11668205	3,46056E-05	0,00749211
IRF7	2,10088	36,1961	1,02149	27,827	0,804086	29,673	2,29487	30,8213	4,374	70,4026	2,55384	58,1796	1,42064	36,4738	4,673385739	5,160850089	3,6865E-05	0,007891601
KCNQ3	0,035528	0,044094	0,0494879	0,273907	0,0640964	0,231918	0,058157	0,24519	0,0850986	0,190267	0,0746679	0,247949	0,0279003	1,52006	5,701173427	3,186282615	3,87128E-05	0,008195078
STAT1	42,4661	323,136	27,5325	318,2	51,5636	345,03	41,1623	427,067	30,1108	308,469	27,5222	278,017	33,203	320,232	3,188084149	9,430661182	3,9311E-05	0,008230265
ADORA2A	0,158648	4,17911	0,508231	14,9245	0,0219748	5,20777	0,14111	20,0346	0,0515838	18,6572	0,278361	28,9604	0	11,7504	10,99941102	3,961072216	4,05205E-05	0,008391275
PNPT1	4,46643	27,6765	4,18386	53,0907	6,12252	88,8312	4,04137	59,6606	2,80279	49,3568	2,20526	38,8031	5,05144	68,1896	3,751938212	7,489109257	4,80646E-05	0,009846516
CD80	26,9651	145,991	30,1584	291,573	21,5036	235,288	22,9096	439,533	12,1852	208,459	5,04439	193,152	23,4174	333,586	3,830517439	8,998290865	4,88729E-05	0,009905592
IL1A	2,96888	39,1826	4,58598	144,276	5,84667	402,657	1,42723	150,072	0,745423	97,4968	3,8574	532,745	5,12021	806,106	7,295585077	10,27573197	5,15263E-05	0,010245092
BRIP1	1,42903	15,9447	1,30052	23,8855	1,42372	24,3759	1,46715	34,5567	0,662865	11,1044	1,03957	16,0436	0,931623	20,542	4,457869448	6,58214188	5,16234E-05	0,010245092
DUSP5	9,28854	119,725	10,8891	151,122	14,4735	165,424	5,85635	141,933	15,0817	211,163	8,43202	139,042	12,5674	211,22	4,068894948	8,189142259	5,63597E-05	0,01106274
RNF213	44,7205	387,826	34,0103	330,728	37,8932	241,644	32,8556	472,566	27,8598	307,497	40,8476	420,501	28,8614	336,076	3,53441564	12,00531629	5,69047E-05	0,01106274
ARHGAP18	68,2143	14,2775	94,8505	13,3843	74,3161	14,6409	76,0028	9,88732	43,9471	9,40385	26,8049	7,67551	62,75	7,1454	-3,135611547	7,014641492	5,89339E-05	0,011341498
CD40	29,3855	367,548	64,1272	626,417	42,9198	495,326	25,2317	579,997	82,5727	914,746	39,0428	510,375	50,2701	548,283	3,447322953	8,85450739	6,1708E-05	0,011756603
THBS1	8,8959	12,6886	0,348627	9,44366	2,1879	23,6374	0,625984	10,645	0,552391	16,5179	1,08521	10,3114	0,0786133	6,25023	6,267521377	4,308568864	6,34656E-05	0,011971743
CKB	4,62811	29,0836	3,18042	41,8759	2,5337	35,9395	2,66132	43,8668	2,91627	75,7198	8,73651	94,5299	2,01985	62,8245	4,951093773	5,514391433	6,51786E-05	0,012174342
PLAT	0,224779	11,6373	0,251377	24,7834	0,0549633	14,9511	0,176553	28,6672	0,0143407	13,5674	0,0618383	41,9174	0,206718	21,74	6,729803023	5,170460018	6,80284E-05	0,012583272
TAP1	14,9048	137,148	18,1956	153,453	9,2878	75,1192	13,3391	159,59	13,2708	166,981	20,3599	153,238	9,60095	107,637	3,484529298	7,497834539	6,93325E-05	0,01270118
MGC39372	1,44184	37,6672	1,23727	27,6202	0,497735	18,9448	0,21241	11,1443	0	7,88426	0,211456	17,5282	0	9,93545	9,589720395	2,550235906	7,09045E-05	0,01286545
GK	4,92263	16,4789	4,66646	24,6911	6,64996	30,9976	3,94943	26,5572	3,29964	21,4918	4,29751	26,643	5,34084	39,6627	2,891593899	6,754735968	7,36452E-05	0,013236691
APOBEC3G	4,56503	53,0791	4,81541	55,9795	3,60468	39,124	4,94481	59,9152	1,52027	30,0772	7,64037	74,9045	2,21247	35,5407	3,999703019	5,111161241	7,50219E-05	0,013249671
IFITM3	8,0589	374,422	11,2987	348,787	1,70808	119,425	5,47908	239,536	7,36817	513,147	1,57722	279,6	1,35951	238,642	7,427579484	5,976285546	7,51084E-05	0,013249671
APOL6	5,85916	37,3337	4,43382	60,5983	8,53713	66,588	4,89823	71,4309	4,0331	68,5802	2,30085	50,3072	6,78873	70,9913	3,383788895	8,758299709	7,71156E-05	0,013478966
CCNA1	13,7065	85,0074	8,58858	106,044	16,2623	162,491	6,99801	133,647	11,4832	125,916	9,58503	156,191	12,7119	215,029	4,081397927	7,71623949	8,35071E-05	0,014440728
EIF2AK2	13,7662	92,982	9,10247	151,058	8,45919	137,008	14,353	160,848	9,94938	126,357	5,03602	84,3737	6,56487	103,425	3,968301835	7,91245278	8,4134E-05	0,014440728
TNIP3	0,254806	20,467	0,394598	47,9728	1,05658	458,085	0,414408	191,708	1,28529	443,675	1,60604	219,515	1,52087	163,922	6,744471458	7,681821244	8,92183E-05	0,015176675
C15orf26	0,0823786	0,61866	0,0709591	1,72328	0,0379672	3,85001	0	0,911532	0	1,95871	0,0643515	1,38326	0,0355351	5,14168	6,825196266	1,995942154	9,16519E-05	0,015340091
SHB	2,37448	0,662936	2,41047	0,429512	3,0356	0,442268	1,70315	0,214146	4,13193	0,651049	3,47071	0,261736	3,09521	0,166152	-4,202599735	3,412507964	9,17893E-05	0,015340091
OASL	1,38821	128,692	0,862304	132,263	0,276225	27,4361	1,6261	174,558	1,98105	122,228	1,79769	214,817	0,233231	69,7624	8,147470984	6,175785602	9,61038E-05	0,015830968
CCL3L3	0,134185	68,4197	1,07915	52,9535	0,737636	14,7124	0,244757	38,377	0	1,20797	0,632679	6,17067	0	146,86	12,60052968	5,562655512	9,69872E-05	0,015830968
RARRES1	0,943394	3,32457	0,287888	3,91595	0,574915	11,4093	1,69946	28,9943	2,18125	17,0318	0,60097	17,8808	1,30516	41,6313	5,030351994	4,982096408	9,72194E-05	0,015830968
FAM49A	2,25915	25,9596	2,72021	61,0615	2,69519	32,3046	2,15359	61,1298	1,79636	27,4021	2,93073	36,827	4,37108	48,765	3,476838479	7,066136994	9,88893E-05	0,015966433
SERPINB1	15,6586	66,6081	14,2957	97,4586	16,2577	96,078	19,8991	189,515	10,8554	99,7388	16,9764	126,685	14,7918	117,531	2,988443344	7,512847936	0,000108805	0,017419804
GBP1P1	0,0366852	8,08423	0	10,7001	0,0506512	5,66125	0,108067	27,9453	0,394587	7,62094	0	25,7378	0	14,0231	10,06145648	3,02248187	0,000119253	0,018933398
MT2A	24,9978	848,452	12,2389	766,504	28,7932	504,455	28,7045	870,776	50,4758	1359,28	107,307	1561,81	21,8994	749,641	5,103953921	6,573613575	0,000122272	0,019252354
KIAA0040	8,84903	75,9637	13,8365	93,6265	12,2846	68,8509	9,60917	105,186	16,9728	169,449	6,56926	111,271	8,37221	97,4732	3,548250339	8,0139995	0,000129741	0,020260839
IRAK2	0,721779	15,1172	1,90827	27,9395	1,17511	27,805	0,69729	34,2878	1,56709	33,8908	3,83024	43,0975	2,34541	41,6387	4,145798598	6,331722217	0,00014181	0,021965624
SAMD9L	25,6451	139,116	22,7668	242,949	21,2339	262,477	25,7703	332,118	13,1541	179,512	5,84297	167,208	18,7612	232,929	3,631677835	9,932861393	0,000146811	0,022376958
TNFRSF9	0,52234	3,82366	0,55507	12,0927	0,429368	4,94852	0,44103	13,3844	0,511976	10,0865	0,504679	5,00797	0,598435	11,9894	4,316889002	5,352112224	0,000146815	0,022376958
IRG1	0,0395275	12,9945	0,0854106	30,5297	0,0820767	52,2846	0,0585255	101,314	0,0855588	73,1715	0,370105	126,826	0,154015	51,7641	8,326405605	5,790520493	0,000148357	0,022432588
APOBEC3A	0,794936	74,4349	0,576361	198,417	0,48329	112,346	1,68233	291,374	1,16493	241,921	1,78959	436,442	0,903425	253,675	8,121538963	7,413862278	0,000152352	0,02285523
GBP2	17,8652	117,435	15,1571	142,972	34,5362	248,397	25,0681	385,664	29,5215	241,1	22,0148	335,056	28,0816	263,152	3,226432941	8,610177661	0,00017508	0,026044685
LYN	39,1683	148,937	36,3828	205,939	38,4329	187,281	34,6147	273,168	32,2424	186,914	29,2886	209,229	31,8911	188,402	2,559174694	8,923805286	0,000176347	0,026044685
WNT5A	1,28404	6,22763	4,08497	16,0691	2,02202	29,8389	1,39114	19,998	1,4797	14,1472	1,03964	21,6548	2,39496	35,2889	3,866248563	6,833677455	0,000177821	0,026060411
CARD9	5,61261	1,24573	4,88604	0,934864	3,8172	0,645394	6,2878	0,390268	7,89515	1,65055	6,11106	0,527762	2,4132	0,0374398	-5,975676386	1,398144552	0,000181163	0,026301582
TNF	21,1859	340,705	49,3074	470,336	12,2296	222,015	12,2756	379,84	39,7991	756,672	63,1366	2315,64	9,33462	992,144	6,729620039	9,693835747	0,000182742	0,026301582
CASP7	13,4838	55,6394	9,235	92,2616	18,2986	179,68	8,60662	140,28	6,73347	96,1215	6,93253	112,543	9,56661	138,014	3,840494569	7,431428029	0,000183609	0,026301582
GPR132	2,21206	19,9322	2,53408	25,2315	0,800571	5,6511	1,32665	24,7227	1,64462	16,4719	3,40074	32,7295	0,298464	12,4545	5,362613737	4,617396559	0,000192347	0,027260426
PDGFRL	0,198763	25,9761	0,0190686	15,7968	0	24,1785	0,0326758	28,8742	0,0238814	27,2835	0,0775712	34,1094	0	4,18235	9,038605618	1,998263177	0,000193164	0,027260426
PELI1	4,96391	14,0911	5,38284	44,5947	4,16081	45,8693	4,26203	38,5521	2,88334	44,101	1,80308	36,0476	5,22974	63,7649	3,60510797	7,107105666	0,000195061	0,027302563
RUNX3	8,76863	68,6586	6,98347	51,0126	3,8743	21,1832	4,94893	44,0601	5,5271	38,9833	7,49846	47,1112	2,66354	25,6467	3,271343164	6,019150401	0,000196329	0,027302563
KCNA3	0,440576	2,20907	0,392456	6,3504	1,05622	23,9593	0,326961	7,83016	0,72376	15,6912	0,876971	34,4735	1,05558	29,4142	4,792959051	5,746766475	0,000198976	0,027470195
NKX3-1	0,0165554	0,250732	0	0,56416	0	1,1971	0	2,24081	0	5,49684	0,0193672	7,6225	0,0173908	8,23195	8,252297193	3,41849473	0,000206523	0,028299393
SCIN	0,56992	23,0645	0,315291	19,5763	1,27184	25,2262	0,337725	19,9445	0,428956	16,3695	0,907291	13,961	0,514997	15,3071	4,966205801	4,480209358	0,000207953	0,028299393
STAT4	1,89377	15,6045	1,9833	35,0346	3,93696	62,1509	1,24982	44,9895	1,62699	37,2985	1,03923	59,993	3,92744	114,707	4,8597488	7,434365998	0,000214074	0,028925777
ZNFX1	27,8842	206,135	26,2183	153,399	29,7228	132,504	24,9916	218,622	30,2267	185,215	37,4654	230,92	26,7786	191,093	2,832759976	9,77348706	0,000222712	0,02988101
RNF19B	15,2201	115,148	15,0381	89,1769	11,3091	109,915	11,4831	133,875	11,308	94,6435	17,8976	229,518	11,1307	110,338	3,308162055	7,33675447	0,00022486	0,029958231
IL23A	0,0904878	2,75986	0,270678	5,25431	0,187159	11,0951	0,265857	1,79439	0	15,6938	0,106312	38,1342	0,174188	73,3926	8,591973881	5,117587414	0,000232761	0,030686484
CXCL9	0,240121	89,8662	0,651378	414,768	0,665182	98,9438	0,32035	754,093	0,0346978	151,185	0,280881	155,107	0,0624852	88,8655	10,34470332	6,868133228	0,000233547	0,030686484
HESX1	0,039031	12,412	0,234146	22,7043	0,700318	16,4032	0,172341	22,9107	0	10,5167	0,229069	14,5853	0	13,9082	9,96201763	2,922946262	0,000248101	0,032375445
WARS	81,078	448,669	93,249	738,882	131,126	600,111	73,7846	1128,11	69,7536	628,22	122,838	903,884	97,6335	864,507	3,152256161	10,3738185	0,000256512	0,033234401
IL15	3,3601	8,35589	3,06878	23,1329	0,838408	21,1015	2,51776	21,3213	0,632714	18,5059	1,28775	11,3425	1,23965	20,5094	3,925287191	4,506309173	0,000258172	0,033234401
SAMD9	3,80424	28,7239	2,41086	53,6202	2,39754	60,8573	8,2763	87,3302	2,36234	34,3614	0,937113	33,7411	2,14233	54,5671	4,667119166	7,723648687	0,000260976	0,033315469
PPARGC1B	7,1057	2,82253	7,70901	1,70103	6,6328	2,95551	5,87368	1,49814	10,0802	1,22266	8,36342	1,09086	5,87429	0,562877	-3,388095629	5,223011423	0,000262299	0,033315469
DYNLT1	48,821	266,488	52,0868	367,939	53,9063	296,927	50,5337	395,458	34,1617	285,837	29,1882	241,995	42,6235	323,519	2,925682083	6,842208614	0,000264338	0,033352092
PML	6,96674	95,9552	5,98169	73,0294	4,05005	32,2272	5,81777	86,117	10,5461	101,271	12,9736	132,168	3,52127	63,6952	4,219973621	7,083832464	0,000272413	0,034144872
GUCY1B3	0,380948	1,39299	0,170506	6,24314	0,323584	4,70243	0,382981	21,4012	0,52011	5,26886	0,158033	6,07739	0,464501	14,5901	4,958092344	4,68441325	0,000275476	0,034275152
MST4	1,54988	6,46711	2,58558	9,03545	2,14183	30,3166	1,92889	22,7382	1,10132	5,56654	0,621661	23,8569	1,16248	23,0074	4,38542029	5,397073783	0,000277051	0,034275152
PPM1K	3,68779	14,1306	2,47021	24,9936	1,44317	17,1494	1,92936	27,7878	1,35417	18,5136	1,07852	13,591	1,33718	17,6332	3,716688657	6,08537602	0,000286229	0,035182172
PI4K2B	3,33592	23,9062	2,90408	50,9697	3,6932	51,1789	3,22007	57,7598	1,39859	34,4184	0,926559	36,2757	4,69536	55,3781	3,557042791	6,83861173	0,000316331	0,038632929
TRIM5	7,4964	37,9599	8,10465	42,0555	8,24256	55,714	9,10619	63,4627	6,02648	43,5668	4,04351	46,2761	6,23784	61,4823	3,279030834	6,924506235	0,000328605	0,039876268
CASP5	0,1181	1,03372	0,137059	2,21412	0,108642	7,40733	0,374096	5,79642	0,595685	4,30755	0	4,53159	0,118791	6,99292	5,706462703	1,724717522	0,000333859	0,040257511
DTX3L	20,5531	115,12	20,3878	149,57	24,4694	145,972	18,8089	184,951	23,2922	147,825	12,6118	130,553	22,8354	140,665	2,620633507	8,994347662	0,000351908	0,042166932
FSD1L	4,7091	18,4416	4,16908	58,5122	6,46783	106,569	3,16116	87,8572	3,67956	73,4242	2,18408	43,3998	10,6672	122,438	3,596443951	7,475665743	0,000358909	0,04273707

PT.LPS.vs.PT.unstim

SERPING1	0,870351	72,1422	0,443194	51,3972	0,945684	18,2931	1,36332	75,6466	1,03744	54,151	1,22991	62,6594	0,938336	36,2233	5,287456617	5,100107506	0,000364646	0,043150571
CCL8	0	32,727	0,185945	67,8265	0,349087	221,135	0,452237	169,32	0,62167	211,176	0,0847473	87,9884	0,930942	281,829	8,222040117	7,378306296	0,000368069	0,043286786
SGPP2	0,721177	68,1191	1,33431	58,7067	1,25752	42,0241	1,453	79,3415	0,897764	51,7801	9,71097	83,8874	2,34611	67,0604	4,829170951	5,281523481	0,000378618	0,044254227
XRN1	11,4337	64,0701	12,4346	106,248	18,3658	158,116	11,5467	151,596	7,24118	92,5769	5,63176	77,2601	14,6474	150,118	3,355122581	9,828923656	0,000382225	0,044403391
FAM186B	0,0952605	2,03656	0,168127	2,63032	0,017916	1,3983	0,050468	3,24184	0	1,70202	0,127309	2,63946	0,0177235	1,82649	6,348234831	1,521798123	0,000399204	0,046094763
CCL15	0,0418282	67,0611	0,517919	21,8843	1,13336	172,212	0,254279	70,2574	0	22,6197	0,838998	173,996	0,582372	126,487	7,725735356	5,969706564	0,000409527	0,04700181
RIPK2	8,60837	44,9557	10,9012	72,8568	13,2755	107,791	9,49547	84,5621	8,08516	65,2709	8,61497	88,371	14,1919	141,757	3,318263254	7,703028039	0,000413956	0,047225659
DCP1A	11,3353	55,3514	13,3994	62,6466	12,839	52,6508	10,464	70,9659	10,6527	65,5068	10,8113	67,0269	13,5156	75,5912	2,481215168	8,182546234	0,000420539	0,04769115
TRIM31	0	4,52614	0,0177936	3,18573	0,0855159	4,57342	0,0152425	1,187	0	8,27186	0	4,89496	0	4,3001	9,178078982	2,13797899	0,000438928	0,049481953
PPP3CC	8,82109	30,1914	9,62465	37,3933	11,5118	45,3846	8,56973	52,9804	7,43023	38,1268	6,6455	51,7428	10,1386	64,2088	2,662774631	6,459504253	0,000443569	0,049495881
MIR155HG	0,356034	7,77128	0,612761	50,39	0,943204	43,5801	0,481745	37,3399	1,1518	15,8857	0,347768	18,1117	1,49585	52,74	5,129416184	5,27488044	0,000444247	0,049495881
TNFAIP2	22,3351	159,296	19,2873	208,673	12,5802	115,739	17,5459	199,582	30,7065	219,733	33,91	231,207	11,302	102,931	3,184680447	7,990795614	0,000461248	0,051091243
LINC00158	0	0,666794	0	2,82393	0	4,64052	0	3,276	0	0,866115	0	2,78206	0,0382948	9,23399	7,561052517	2,728899433	0,000464005	0,05109952
TAP2	9,51658	28,6412	12,4384	46,1936	8,2052	33,8347	7,79299	37,1392	5,82132	37,3235	4,35748	29,0614	5,88459	39,8056	2,766758711	7,11459515	0,000469961	0,05145799
BCL2L14	1,2925	24,1179	0,67415	16,4703	0,80171	22,6735	0,214695	52,3425	0	4,42123	0,366139	31,8529	0,115757	14,2078	6,860786747	3,778202253	0,000474251	0,051631009
IFIT5	3,26961	33,2656	3,41476	53,6107	5,0067	55,1432	5,79838	52,8469	4,09231	47,1213	1,3117	48,8017	6,67404	63,9286	3,257209636	7,244504676	0,000485447	0,05254963
CXCL3	0	3,39065	0,0339389	6,29228	0	18,8234	0,145731	6,55506	0	17,3762	1,16251	15,3262	0,356788	60,0351	7,338978631	5,020451615	0,000499013	0,053411179
CGN	0,022876	1,85805	0,106022	2,0503	0,0317264	1,24916	0,0623311	2,61156	0	1,02625	0,0712684	2,39561	0	0,937159	8,405404461	1,363572698	0,000502202	0,053452225
FGD5	6,76752	2,26243	10,0115	1,81346	9,15993	2,80909	6,75145	0,773146	15,4971	1,99569	13,2978	1,33715	9,37637	1,16715	-3,005631666	5,074139698	0,000506789	0,05364078
WTAP	14,6009	52,3729	18,3532	104,805	18,2643	115,05	15,3337	146,474	18,2587	129,487	10,8385	84,9996	19,4142	121,112	2,61962953	6,982700723	0,000516194	0,054334382
TNIP1	47,5245	269,351	43,803	233,678	31,5654	157,132	33,6932	353,591	58,9716	397,917	100,554	506,964	29,4726	266,554	3,185374819	8,598055782	0,000533833	0,055882329
HHEX	4,08618	0,793419	5,52714	0,212633	5,18438	0,491388	7,57912	0,856822	4,12783	0,132842	5,04049	0,569449	5,07672	0,155046	-4,957601989	2,192909061	0,000542433	0,056472277
IFI6	46,4375	767,347	19,0321	740,075	16,2727	834,712	99,1916	681,56	161,515	2265,56	30,8894	783,939	16,1501	602,966	5,222498757	7,786424519	0,000548386	0,056781766
TRIM69	0,647026	1,81762	0,186036	3,49181	0,384322	1,76844	0,26203	3,16275	0,299762	3,44281	0,217358	2,27551	0,200407	4,33429	4,588941282	2,102655982	0,000554511	0,057105689
TMOD2	0,885201	0,841522	0,596308	2,12627	0,349925	1,66457	0,26875	3,1702	0,237887	2,30751	0,112874	1,20821	0,206465	2,75142	3,724142201	3,896105754	0,000562017	0,057567502
C1QTNF1	0,0895004	0,797308	0,0129152	1,22105	0	0,740237	0,0442352	3,04403	0	2,4954	0	2,76388	0	1,86092	8,479192789	1,437567448	0,000573	0,058378579
TNFAIP3	11,3683	79,319	13,6709	110,076	9,35011	80,094	6,09508	139,038	11,7572	125,183	23,3361	178,878	15,3366	134,181	3,127178179	8,555977166	0,00059264	0,060058431
PER3	12,2953	4,82119	11,5948	3,29249	13,8968	3,91764	11,9256	1,99337	9,17039	2,13493	10,3859	2,66494	14,0388	1,87296	-2,906708857	5,743361023	0,000599682	0,060450512
ZNF618	3,45802	16,0853	3,49056	16,0712	3,41002	10,3424	3,19219	16,2232	1,80452	8,1618	3,89611	15,2654	1,00244	6,68054	2,732248573	5,261568737	0,00061464	0,061632169
APOBEC3F	1,34447	11,6227	1,10502	8,16292	0,892045	3,74395	1,43531	8,10608	0,470446	5,64517	0,888908	13,8563	0,260892	7,00919	4,062799926	3,55611476	0,000623471	0,062190423
LINC00515	1,4455	31,4924	2,09188	87,5534	5,01083	83,6698	0,797803	122,53	0	49,1019	1,53398	77,7314	7,24539	283,16	5,286756234	5,352705338	0,000636574	0,063166698
DOCK4	11,4313	56,6507	16,6093	63,8752	23,3084	94,1833	16,4801	95,835	19,4951	66,5119	21,143	90,3645	20,6495	101,478	2,294588422	9,120645223	0,000652481	0,064409643
BLZF1	6,58129	34,7642	8,90077	51,9568	10,6608	48,55	8,55473	51,3546	6,09051	40,9102	3,75681	37,8587	9,24787	66,2285	2,838046146	6,484846454	0,000674582	0,066248112
CCL4	19,9455	623,22	66,1666	953,55	63,3498	1166,07	19,0072	1143,52	82,2801	4620,2	40,5543	2292,14	60,1564	2178,25	5,180877814	9,195418624	0,000678522	0,066270957
ADAR	37,2267	149,217	40,109	158,812	43,0428	126,528	41,2732	186,192	40,9532	169,007	39,8268	179,898	33,3386	163,175	2,287683887	9,449099595	0,000681771	0,066270957
AKT1S1	2,12903	20,3241	2,82399	22,8745	1,39247	17,8845	2,1988	19,0378	2,48737	20,5001	2,8029	19,189	1,06809	8,95363	3,058976858	3,653363866	0,000691275	0,066853632
UNC5C	0,150325	2,93367	0,00671033	12,2117	0	3,45012	0,0229414	11,7977	0,0083921	2,47673	0,0135018	9,66912	0,0302653	7,32604	7,851816196	5,317521948	0,000700992	0,067451039
TBC1D14	13,3712	7,03128	13,7454	4,2484	11,2074	3,05455	13,8421	2,55389	10,3179	3,6098	13,0672	2,78984	12,2665	1,97304	-2,666686203	5,213994397	0,000723313	0,069248999
TOR1B	10,4111	68,7304	14,1422	89,1997	11,2678	73,1313	12,6138	65,2237	10,054	49,1528	12,9272	102,744	15,2472	96,5758	2,661117914	7,330439268	0,000730641	0,069600852
SLC25A28	8,33332	57,3025	6,64877	37,3558	5,08637	41,5367	7,12112	71,4165	13,6236	87,1534	9,63453	86,2305	8,11352	68,6306	3,078257904	5,864625589	0,000735652	0,06972952
TNC	0,386516	14,404	0,320892	25,8499	0,554811	36,7574	0,11236	26,3419	1,67787	54,0624	0,290522	24,2471	0,999729	78,0311	6,281746571	8,538445471	0,000748396	0,070586382
DNAAF1	0,0335946	5,18259	0,0436063	8,20433	0,0465201	13,1699	0,0746707	10,3974	0	12,9878	0,392968	30,9828	0,0655398	17,65	7,944357599	4,471869452	0,000761648	0,071482337
SOCS3	3,77529	38,7117	3,91146	58,8047	2,25613	38,321	1,92102	54,1974	6,40484	234,304	6,61435	105,665	3,48862	62,1087	4,150414228	6,541014361	0,000775076	0,072385981
GJB2	2,09501	35,6979	3,32035	81,1491	2,82794	49,8821	1,7998	59,1304	0,572057	57,6069	8,89852	47,9203	2,47201	43,6986	4,1389664	5,786557461	0,000782547	0,072435433
GCNT4	0,0578716	2,3146	0,240968	5,64794	0,497318	9,87191	0,111676	8,84606	0,175899	4,92141	0,0135301	5,62839	0,301826	13,056	5,413610293	4,59774134	0,000785952	0,072435433
TNFSF15	0,217003	22,3233	0,370384	36,0163	0,267586	55,9863	0,27806	24,303	0,438237	29,3799	1,51234	96,3177	2,09656	163,392	6,298256126	9,220400762	0,000790514	0,072435433
APOL1	6,1135	58,643	5,66571	43,4819	4,56135	27,0995	5,25031	55,6157	6,86283	65,7373	5,35575	41,2906	4,45635	33,2119	2,882385665	5,795736899	0,000791644	0,072435433
NBN	12,3241	56,1189	14,181	84,5786	25,066	197,585	11,6128	129,075	7,81362	84,119	9,04313	100,028	24,1999	227,974	3,233609628	9,286629998	0,000794615	0,072435433
MYZAP	1,89688	0,036546	3,17799	0,752862	1,60916	0,26339	1,88646	0,394265	3,35068	0	0,85966	0	2,11157	0	-8,42145425	1,379528569	0,000799067	0,072494422
B4GALT5	12,139	51,5015	14,3336	85,2236	13,8678	73,7047	9,77961	93,4071	15,9037	138,034	13,0446	107,282	15,7447	103,298	2,7115872	8,238257677	0,000821282	0,0741567
OPTN	21,1708	133,692	17,3052	134,621	24,5518	227,393	8,80478	209,077	39,0362	399,555	20,295	231,782	26,2268	243,037	3,213905034	8,91717791	0,00085826	0,07713005
CFLAR	51,1474	247,902	69,7766	482,968	43,292	298,239	39,793	539,071	46,9787	232,933	39,2852	336,032	59,4554	345,696	2,350104068	10,78975045	0,000869373	0,077487325
CCL3	88,6458	1863,21	195,197	2079,24	145,966	1961,07	57,6732	1981,72	226,725	5477,48	294,217	6603,34	216,24	6017,53	4,800269976	11,02679775	0,00087371	0,077487325
MYO10	0,129528	1,57336	0,196634	3,65208	0,290382	2,55848	0,148281	7,12791	0,390555	4,68005	0,612669	7,42934	0,299976	7,19172	4,575457643	5,558334818	0,000886236	0,078169335
PANX1	4,45356	24,4134	4,85743	24,9443	6,53409	67,658	3,59466	37,9607	3,45161	39,1397	2,78353	47,9145	8,30799	88,4357	3,409643927	7,121381904	0,000893872	0,078185558
GRAMD3	1,00287	2,11639	0,854518	2,95755	1,58396	6,6327	1,15261	3,7173	1,30737	5,76976	1,10656	12,8801	1,22309	15,8342	3,730398076	4,557572087	0,000897875	0,078185558
DOK3	21,481	2,47572	19,0674	1,61716	42,7377	5,95405	21,7678	1,88671	36,8808	4,65574	39,3553	2,37349	56,4054	5,97405	-3,261885849	6,053318246	0,000898732	0,078185558
ISG15	13,9619	851,041	5,93893	1020,18	1,36726	113,511	13,5163	888,071	22,0644	1659,42	7,65917	1166,23	3,77288	418,536	6,785799001	6,789377292	0,000906251	0,078481318
LAMP3	80,361	297,815	42,6183	439,373	21,621	324,088	16,0112	411,289	5,16501	154,945	12,9665	184,279	16,4653	255,104	3,951454303	8,900378323	0,000927668	0,079972557
HS3ST3B1	0,123226	2,23579	0,230685	4,64926	0,312696	6,19526	0,136807	5,55448	0,0222211	3,42776	0,0961608	9,14005	0,106659	11,0508	6,597915535	3,517473708	0,000940013	0,080671746
CD274	40,4332	344,003	46,1101	606,449	39,5258	726,099	21,8434	716,241	22,4723	616,778	18,0835	393,501	58,5201	736,981	3,647872564	10,59426049	0,000962087	0,082195839
EBI3	5,51038	98,145	2,98426	104,572	0	22,9611	1,75843	93,5788	0,13056	37,5241	3,61527	122,444	0,104225	26,0197	7,777145342	3,779558582	0,000973512	0,082800646
CCL3L1	0,33011	64,5616	0,78284	37,8639	0,816731	71,9438	0,24093	35,6035	2,52947	115,709	6,38045	397,422	2,34954	495,518	7,708294849	7,346387761	0,000982986	0,083234853
BCL7A	8,01855	1,63328	8,81409	1,4684	6,73048	0,844444	5,80898	0,932975	4,49237	0,579294	5,09662	0,422965	5,09951	0,367809	-3,783455913	3,40574933	0,001030018	0,086831466
LAP3	90,7217	338,554	79,6943	379,861	99,5803	416,959	91,6203	529,189	56,4083	390,769	112,113	479,158	64,6345	323,098	2,320260127	8,689188062	0,001051806	0,088277538
TRAF1	20,597	271,044	30,8952	318,139	15,4431	113,073	15,1258	332,264	28,0852	251,028	46,0803	350,774	24,8949	214,375	3,08914003	8,896971453	0,001087677	0,090887825
HELZ2	0,574714	16,7363	0,718932	13,1302	0,276475	4,40774	0,774572	13,9836	1,03584	13,9216	0,848801	22,3145	0,273971	8,24762	4,856373826	5,366403232	0,001109038	0,092268118
ZHX3	2,78153	1,1033	2,83252	0,71266	3,09853	0,497386	2,86887	0,31383	3,26035	0,337709	3,63038	0,473388	1,80013	0,277836	-2,692093148	3,512311892	0,001125144	0,093201025
CCRL2	13,9888	82,4359	19,1538	74,271	17,1595	92,2008	12,7347	92,2267	24,3539	68,8774	24,4671	171,184	18,5895	149,824	3,006033447	7,067757111	0,001153452	0,095132316
SNHG15	3,95317	22,2608	5,29741	35,0859	2,71778	20,946	4,00483	34,8227	13,9899	90,2351	6,23495	43,5383	2,19032	25,0366	3,503251229	3,202233523	0,001171398	0,096196016
PSME2	110,915	405,742	82,0188	434,585	105,968	387,905	85,6703	525,061	144,415	844,654	100,356	613,606	84,6064	490,426	2,536607281	7,66347271	0,001199534	0,098028517
ZMYM3	6,56891	1,34749	8,27832	1,2289	9,13565	0,663049	9,3835	1,42025	5,51068	0,460702	9,91061	0,310022	4,36543	0,314293	-3,758769403	3,794457154	0,001205607	0,098028517
FAM129A	39,2941	151,672	43,9802	219,89	38,856	203,319	45,599	338,303	41,7769	183,114	25,9612	212,165	49,8711	243	2,282390333	10,10796408	0,001209149	0,098028517
KYNU	74,1245	596,837	65,5262	597,395	182,043	1938,18	77,231	1317,22	121,716	1150,44	165,672	1129,44	222,911	1774,3	2,991016777	10,68490232	0,001218005	0,098328078
LOC100996319	0,0661081	0,945632	0,113607	3,85212	0	2,49387	0,0731098	6,21126	0,1424	6,21513	0	2,5452	0,0853246	7,33353	6,239401105	2,251243014	0,001234085	0,099205835
ISG20	3,89032	289,694	1,68015	396,873	0,13922	20,5702	1,51905	299,177	0,216284	274,322	0,712873	344,695	0,129357	68,3116	8,858292476	4,858084172	0,001244137	0,099593708
NEIL2	1,8224	1,53204	1,18146	0,635281	2,66716	1,26531	2,92849	0,413374	2,39867	1,97601	1,70263	0,59373	2,12508	0,1331	-3,924127692	1,200976076	0,001253389	0,099914535