

Supplementary Table 4 : Transcripts and DAVID pathways correlating with the expression of CD8a in lupus kidney biopsies

Cluster	Enrichment Score	Term	Count	P_Value	Benjamini
Annotation Cluster 8	Enrichment Score: 5.46	MHC class I_alpha chain_alpha1 and alpha2	7	6.90E-03	3.80E-01
		MHC class I-like antigen recognition	7	8.30E-03	3.90E-01
		transplantation antigen	3	2.10E-02	1.40E-01
		INTERPRO	5	2.00E-02	5.60E-01
		INTERPRO	3	2.30E-02	5.70E-01
		BBID	9	9.10E-02	9.80E-01
		70_Signal_peptides_(MHC_class_I_molecules)	14	1.10E-08	1.80E-06
		Count			
		P_Value			
		Benjamini			
		GOTERM_BP_FAT	13	1.00E-06	9.50E-05
		antigen processing and presentation of peptide antigen	8	1.90E-06	1.70E-04
		antigen processing and presentation of exogenous peptide	8	1.60E-05	1.00E-03
		GOTERM_BP_FAT	6	7.30E-05	3.70E-03
		MHC class II	6	7.30E-05	3.70E-03
		antigen processing and presentation of exogenous peptide via MHC class II	6	7.30E-05	3.70E-03
		GOTERM_BP_FAT	357	2.60E-05	2.20E-08
		SP_PIR_KEYWORDS	332	6.40E-08	3.40E-05
		UFE_SEQ_FEATURE	280	7.10E-08	3.30E-05
		UFE_SEQ_FEATURE	230	2.50E-07	8.90E-05
		UFE_SEQ_FEATURE	466	1.20E-06	4.80E-05
		SP_PIR_KEYWORDS	318	1.90E-05	1.10E-03
		membrane	360	1.30E-04	3.10E-02
		GOTERM_CC_FAT	360	1.80E-04	3.00E-03
		plasma membrane			
		transmembrane region			
		SP_PIR_KEYWORDS			
		transmembrane			
		GOTERM_CC_FAT	399	1.00E-01	6.20E-01
		intrinsic to membrane	382	1.70E-01	7.30E-01
		integral to membrane	382	1.70E-01	7.30E-01
		GOTERM_BP_FAT	124	7.00E-06	7.70E-04
		glycosylation site-N-linked (GlcNAc-)	121	1.10E-05	8.20E-04
		topological domain-Cyttoplasmic	201	1.40E-05	9.00E-04
		topological domain-Extracellular			
		GOTERM_BP_FAT	57	1.30E-16	1.80E-13
		antigen processing and presentation of peptide antigen	34	1.30E-09	3.30E-07
		antigen processing and presentation of exogenous peptide	36	2.00E-09	4.50E-07
		antigen processing and presentation of exogenous peptide via MHC class II	36	2.00E-09	4.50E-07
		GOTERM_BP_FAT	86	8.70E-09	1.60E-06
		antigen processing and presentation of exogenous peptide via MHC class II	86	8.70E-09	1.60E-06
		GOTERM_BP_FAT	12	8.70E-09	1.60E-06
		antigen processing and presentation of exogenous peptide via MHC class II	12	8.70E-09	1.60E-06
		GOTERM_BP_FAT	27	1.80E-08	1.10E-05
		antigen processing and presentation of peptide antigen	26	1.10E-07	1.40E-05
		antigen processing and presentation of exogenous peptide	22	1.30E-07	1.20E-05
		antigen processing and presentation of exogenous peptide via MHC class II	23	5.40E-07	5.70E-05
		GOTERM_BP_FAT	21	6.30E-07	6.50E-05
		antigen processing and presentation of peptide antigen	21	7.70E-07	7.70E-05
		antigen processing and presentation of exogenous peptide	12	1.20E-06	1.10E-04
		antigen processing and presentation of exogenous peptide via MHC class II	15	5.90E-06	4.50E-04
		GOTERM_BP_FAT	18	1.30E-05	8.50E-04
		positive regulation of T cell activation	16	1.80E-05	1.00E-03
		GOTERM_BP_FAT	11	1.30E-05	8.00E-03
		positive regulation of immune system process	14	7.10E-05	7.70E-03
		GOTERM_BP_FAT	14	8.70E-05	4.20E-03
		positive regulation of leukocyte activation	14	8.70E-05	4.20E-03
		GOTERM_BP_FAT	11	8.00E-05	4.20E-03
		positive regulation of cell activation	13	1.40E-04	6.40E-03
		GOTERM_BP_FAT	8	2.60E-04	1.10E-02
		positive regulation of leukocyte activation	9	7.20E-03	1.60E-01
		GOTERM_BP_FAT	7	9.00E-03	1.90E-01
		positive regulation of T cell proliferation	4	1.40E-02	2.50E-01
		GOTERM_BP_FAT	8	1.60E-02	2.70E-01
		positive regulation of T cell proliferation	5	2.10E-02	3.20E-01
		GOTERM_BP_FAT	40	2.90E-02	3.90E-01
		positive regulation of cell proliferation	5	3.40E-02	4.00E-01
		GOTERM_BP_FAT	9	1.20E-02	4.10E-02
		positive regulation of B cell proliferation	3	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of B cell proliferation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of leukocyte proliferation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of mononuclear cell proliferation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	12	1.60E-02	5.10E-02
		positive regulation of leukocyte activation	12	2.80E-03	7.90E-02
		GOTERM_BP_FAT	9	2.00E-03	1.60E-01
		positive regulation of T cell activation	9	2.00E-03	1.60E-01
		GOTERM_BP_FAT	7	9.00E-03	1.90E-01
		positive regulation of T cell proliferation	4	1.40E-02	2.50E-01
		GOTERM_BP_FAT	8	1.60E-02	2.70E-01
		positive regulation of T cell proliferation	5	2.10E-02	3.20E-01
		GOTERM_BP_FAT	40	2.90E-02	3.90E-01
		positive regulation of cell proliferation	5	3.40E-02	4.00E-01
		GOTERM_BP_FAT	9	1.20E-02	4.10E-02
		positive regulation of B cell activation	3	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of leukocyte activation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of leukocyte proliferation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of mononuclear cell proliferation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	12	1.60E-02	5.10E-02
		positive regulation of leukocyte activation	12	2.80E-03	7.90E-02
		GOTERM_BP_FAT	9	2.00E-03	1.60E-01
		positive regulation of T cell activation	9	2.00E-03	1.60E-01
		GOTERM_BP_FAT	7	9.00E-03	1.90E-01
		positive regulation of T cell proliferation	4	1.40E-02	2.50E-01
		GOTERM_BP_FAT	8	1.60E-02	2.70E-01
		positive regulation of T cell proliferation	5	2.10E-02	3.20E-01
		GOTERM_BP_FAT	40	2.90E-02	3.90E-01
		positive regulation of cell proliferation	5	3.40E-02	4.00E-01
		GOTERM_BP_FAT	9	1.20E-02	4.10E-02
		positive regulation of B cell activation	3	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of leukocyte activation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of mononuclear cell proliferation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	12	1.60E-02	5.10E-02
		positive regulation of leukocyte activation	12	2.80E-03	7.90E-02
		GOTERM_BP_FAT	9	2.00E-03	1.60E-01
		positive regulation of T cell activation	9	2.00E-03	1.60E-01
		GOTERM_BP_FAT	7	9.00E-03	1.90E-01
		positive regulation of T cell proliferation	4	1.40E-02	2.50E-01
		GOTERM_BP_FAT	8	1.60E-02	2.70E-01
		positive regulation of T cell proliferation	5	2.10E-02	3.20E-01
		GOTERM_BP_FAT	40	2.90E-02	3.90E-01
		positive regulation of cell proliferation	5	3.40E-02	4.00E-01
		GOTERM_BP_FAT	9	1.20E-02	4.10E-02
		positive regulation of B cell activation	3	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of leukocyte activation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of mononuclear cell proliferation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	12	1.60E-02	5.10E-02
		positive regulation of leukocyte activation	12	2.80E-03	7.90E-02
		GOTERM_BP_FAT	9	2.00E-03	1.60E-01
		positive regulation of T cell activation	9	2.00E-03	1.60E-01
		GOTERM_BP_FAT	7	9.00E-03	1.90E-01
		positive regulation of T cell proliferation	4	1.40E-02	2.50E-01
		GOTERM_BP_FAT	8	1.60E-02	2.70E-01
		positive regulation of T cell proliferation	5	2.10E-02	3.20E-01
		GOTERM_BP_FAT	40	2.90E-02	3.90E-01
		positive regulation of cell proliferation	5	3.40E-02	4.00E-01
		GOTERM_BP_FAT	9	1.20E-02	4.10E-02
		positive regulation of B cell activation	3	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of leukocyte activation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of mononuclear cell proliferation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	12	1.60E-02	5.10E-02
		positive regulation of leukocyte activation	12	2.80E-03	7.90E-02
		GOTERM_BP_FAT	9	2.00E-03	1.60E-01
		positive regulation of T cell activation	9	2.00E-03	1.60E-01
		GOTERM_BP_FAT	7	9.00E-03	1.90E-01
		positive regulation of T cell proliferation	4	1.40E-02	2.50E-01
		GOTERM_BP_FAT	8	1.60E-02	2.70E-01
		positive regulation of T cell proliferation	5	2.10E-02	3.20E-01
		GOTERM_BP_FAT	40	2.90E-02	3.90E-01
		positive regulation of cell proliferation	5	3.40E-02	4.00E-01
		GOTERM_BP_FAT	9	1.20E-02	4.10E-02
		positive regulation of B cell activation	3	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of leukocyte activation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of mononuclear cell proliferation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	12	1.60E-02	5.10E-02
		positive regulation of leukocyte activation	12	2.80E-03	7.90E-02
		GOTERM_BP_FAT	9	2.00E-03	1.60E-01
		positive regulation of T cell activation	9	2.00E-03	1.60E-01
		GOTERM_BP_FAT	7	9.00E-03	1.90E-01
		positive regulation of T cell proliferation	4	1.40E-02	2.50E-01
		GOTERM_BP_FAT	8	1.60E-02	2.70E-01
		positive regulation of T cell proliferation	5	2.10E-02	3.20E-01
		GOTERM_BP_FAT	40	2.90E-02	3.90E-01
		positive regulation of cell proliferation	5	3.40E-02	4.00E-01
		GOTERM_BP_FAT	9	1.20E-02	4.10E-02
		positive regulation of B cell activation	3	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of leukocyte activation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of mononuclear cell proliferation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	12	1.60E-02	5.10E-02
		positive regulation of leukocyte activation	12	2.80E-03	7.90E-02
		GOTERM_BP_FAT	9	2.00E-03	1.60E-01
		positive regulation of T cell activation	9	2.00E-03	1.60E-01
		GOTERM_BP_FAT	7	9.00E-03	1.90E-01
		positive regulation of T cell proliferation	4	1.40E-02	2.50E-01
		GOTERM_BP_FAT	8	1.60E-02	2.70E-01
		positive regulation of T cell proliferation	5	2.10E-02	3.20E-01
		GOTERM_BP_FAT	40	2.90E-02	3.90E-01
		positive regulation of cell proliferation	5	3.40E-02	4.00E-01
		GOTERM_BP_FAT	9	1.20E-02	4.10E-02
		positive regulation of B cell activation	3	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of leukocyte activation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	14	1.20E-02	4.10E-02
		positive regulation of mononuclear cell proliferation	14	1.20E-02	4.10E-02
		GOTERM_BP_FAT	12	1.60E-02	5.10E-02
		positive regulation of leukocyte activation	12	2.80E-03	7.90E-02
		GOTERM_BP_FAT	9	2.00E-03	1.60E-01
		positive regulation of T cell activation	9	2.00E-03	1.60E-01
		GOTERM_BP_FAT	7	9.00E-03	1.90E-01
		positive regulation of T cell proliferation	4	1.40E-02	2.50E-01
		GOTERM_BP_FAT	8	1.60E-02	2.70E-01
		positive regulation of T cell proliferation	5	2.10E-02	3.20E-01
		GOTERM_BP_FAT	40	2.90E-02	3.90E-01
		positive regulation of cell proliferation	5	3.40E-02	4.00E-01

ILMN_1893868	GBL	0.60045894	GOTERM_BP_FAT	regulation of protein kinase cascade	34	2.30E-04	9.60E-03	ILMN_18052139	C0011P	-0.412035845	GOTERM_CC_FAT	membrane-enclosed lumen	118	3.70E-01	7.00E-01
ILMN_2196507	C13orf18	0.60587928	GOTERM_BP_FAT	positive regulation of protein kinase cascade	25	4.90E-04	1.90E-02	ILMN_1764500	C0010P	-0.412015742	GOTERM_CC_FAT	intracellular organelle lumen	111	5.80E-01	9.90E-01
ILMN_2191552	SRGN	0.60553827	GOTERM_MF_FAT	glycosaminoglycan binding	26	4.70E-06	1.10E-03	ILMN_1764861	ISOC1	-0.412289575	GOTERM_CC_FAT	nucleoplasm	107	6.50E-01	9.90E-01
ILMN_2120965	NPAT	0.60537881	GOTERM_MF_FAT	pattern binding	26	2.60E-05	3.10E-03	ILMN_1760551	LOC553724	-0.412489243	GOTERM_CC_FAT	nucleoplasm	39	9.90E-01	1.00E+00
ILMN_1711272	SERPING1	0.60508842	GOTERM_MF_FAT	polyacetylene binding	26	2.60E-05	3.10E-03	ILMN_1714223	LETM2	-0.412532637	GOTERM_CC_FAT	nucleoplasm part	21	1.00E+00	1.00E+00
ILMN_3247064	SNRNP40	0.60474386	GOTERM_MF_FAT	carbohydrate binding	41	6.40E-04	3.90E-02	ILMN_1785107	NTKT	-0.412565658	GOTERM_CC_FAT	nuclear lumen	61	1.00E+00	1.00E+00
ILMN_1662932	LCP1	0.60454163	GOTERM_MF_FAT	heparin-binding	11	6.20E-03	5.50E-02	ILMN_1715113	HARS2	-0.41269472	GOTERM_CC_FAT	heparin	39	1.00E+00	1.00E+00
ILMN_1716008	GBL	0.60450415	GOTERM_MF_FAT	heparan-binding	15	1.80E-03	2.60E-01	ILMN_2129599	C16orf80	-0.412881946	GOTERM_CC_FAT	heparan	10	3.00E-01	5.00E-01
ILMN_1733486	HCK	0.60427951	GOTERM_MF_FAT	heparan-binding	11	6.20E-03	5.50E-02	ILMN_1698327	CLCN	-0.412971979	GOTERM_CC_FAT	heparan	11	1.00E+00	1.00E+00
ILMN_1727238	COA	0.60420109	SP_PIR_KEYWORDS	extracellular matrix	34	1.40E-05	3.80E-04	ILMN_1724040	ANKR05	-0.412032745	SP_PIR_KEYWORDS	SP_PIR_KEYWORDS	17	1.00E-03	4.10E-02
ILMN_1700428	HLA-DQB	0.60403398	SP_PIR_KEYWORDS	extracellular matrix	43	2.40E-04	9.20E-03	ILMN_3255880	SLC6A19	-0.413041199	SP_PIR_KEYWORDS	SP_PIR_KEYWORDS	12	2.50E-03	2.80E-02
ILMN_1777998	ARHGAP25	0.60391971	SP_PIR_KEYWORDS	proteoglycan binding	40	3.90E-04	1.40E-02	ILMN_1681601	SUCHNR1	-0.413116118	SP_PIR_KEYWORDS	SP_PIR_KEYWORDS	14	3.10E-03	5.60E-01
ILMN_1664691	DAPP1	0.60274575	SP_PIR_KEYWORDS	extracellular matrix part	17	6.70E-03	1.30E-01	ILMN_1757882	PP1R16A	-0.413160256	SP_PIR_KEYWORDS	SP_PIR_KEYWORDS	17	3.90E-03	2.00E-01
ILMN_1742423	KDEL2R	0.6021259	SP_PIR_KEYWORDS	extracellular matrix	14	1.80E-05	4.50E-04	ILMN_2136971	FABP3	-0.413178929	SP_PIR_KEYWORDS	SP_PIR_KEYWORDS	10	4.30E-03	6.20E-01
ILMN_1803560	LAT2	0.601951917	SP_PIR_KEYWORDS	protein glycan	6	1.10E-03	1.70E-01	ILMN_2228180	MSRA	-0.41318787	SP_PIR_KEYWORDS	SP_PIR_KEYWORDS	16	5.10E-03	2.30E-01
ILMN_2113333	UGAL598	0.600722957	UP_SEQ_FEATURE	glycosylation site-O-linked (Xylyl) (glycosaminoglycan)	6	1.10E-03	1.70E-01	ILMN_1819991	AI792396	-0.413202571	UP_SEQ_FEATURE	UP_SEQ_FEATURE	9	6.40E-03	6.70E-01
ILMN_1809433	XPB1	0.600395804	SP_PIR_KEYWORDS	chondroitin sulfate proteoglycan	6	2.90E-03	3.10E-02	ILMN_1793290	WDR60	-0.413209822	SP_PIR_KEYWORDS	SP_PIR_KEYWORDS	7	7.40E-03	2.70E-01
ILMN_1713058	PSTPIP2	0.59932687	GOTERM_BP_FAT	actin cytoskeleton organization	37	2.00E-06	1.70E-04	ILMN_1808305	RTCD1	-0.413232137	GOTERM_BP_FAT	GOTERM_BP_FAT	10	7.70E-03	6.70E-01
ILMN_1678888	BTNSA1	0.59855599	GOTERM_BP_FAT	actin filament-based process	37	9.00E-06	6.40E-04	ILMN_1730401	LOC442421	-0.413291984	GOTERM_BP_FAT	GOTERM_BP_FAT	10	8.60E-03	6.50E-01
ILMN_1786720	PROM1	0.59789298	GOTERM_BP_FAT	actin binding	32	1.30E-04	2.30E-03	ILMN_1766031	C11orf88B	-0.413295674	GOTERM_BP_FAT	GOTERM_BP_FAT	11	1.10E-02	3.90E-01
ILMN_1798379	NTM	0.59666135	GOTERM_BP_FAT	actin filament-based process	37	1.30E-04	2.30E-03	ILMN_1781073	PTPN5	-0.41330858	GOTERM_BP_FAT	GOTERM_BP_FAT	12	1.20E-02	3.50E-01
ILMN_1701077	AXL	0.59628069	GOTERM_BP_FAT	actin filament-based process	44	1.10E-02	2.10E-01	ILMN_1750002	PPARGC1A	-0.413331753	GOTERM_BP_FAT	GOTERM_BP_FAT	14	1.70E-02	2.60E-01
ILMN_1742427	POR10	0.596382413	GOTERM_BP_FAT	actin filament-based process	47	1.70E-02	3.80E-01	ILMN_1687785	PPA2	-0.413537470	GOTERM_BP_FAT	GOTERM_BP_FAT	3	1.80E-02	2.80E-01
ILMN_1756937	STBSAA4	0.596448333	GOTERM_BP_FAT	actin filament-based process	28	3.30E-02	3.90E-01	ILMN_1793508	C7orf16	-0.413640501	GOTERM_BP_FAT	GOTERM_BP_FAT	8	2.00E-02	2.70E-01
ILMN_1771261	SYNC	0.596409017	GOTERM_BP_FAT	actin cytoskeleton	39	7.90E-06	1.50E-06	ILMN_1732369	GPR6	-0.41365255	GOTERM_BP_FAT	GOTERM_BP_FAT	3	2.90E-02	3.80E-01
ILMN_2115055	FGD2	0.595959263	GOTERM_BP_FAT	actin cytoskeleton	14	5.70E-06	1.10E-03	ILMN_1724671	MAP6	-0.413722338	GOTERM_BP_FAT	GOTERM_BP_FAT	15	1.00E+00	1.00E+00
ILMN_1673682	GATA2D	0.595487362	GOTERM_BP_FAT	actin cytoskeleton	14	1.20E-05	2.00E-02	ILMN_1836309	MCF2L-AS1	-0.413784593	GOTERM_BP_FAT	GOTERM_BP_FAT	11	1.00E+00	1.00E+00
ILMN_1765446	EMPA1	0.595412119	GOTERM_BP_FAT	actin cytoskeleton	27	3.00E-05	2.10E-03	ILMN_1911504	DDG3	-0.413987951	GOTERM_BP_FAT	GOTERM_BP_FAT	4	2.00E-02	1.00E-01
ILMN_1743645	FNDC	0.594373707	GOTERM_BP_FAT	actin cytoskeleton	11	8.50E-03	5.10E-01	ILMN_1957070	PTPL1	-0.414085776	GOTERM_BP_FAT	GOTERM_BP_FAT	9	1.00E+00	1.00E+00
ILMN_1740505	OF9801	0.594373707	GOTERM_BP_FAT	actin cytoskeleton	12	4.40E-05	1.10E-03	ILMN_1855966	DB338191	-0.414151364	GOTERM_BP_FAT	GOTERM_BP_FAT	49	3.60E-03	6.70E-01
ILMN_1729333	MT21	0.59321588	SMART	small chemokine interleukin-8-like	12	2.10E-04	1.50E-02	ILMN_1733675	MPBP1	-0.414163634	SMART	SMART	47	5.00E-03	2.00E-01
ILMN_1804040	FAM498	0.593225946	SMART	small chemokine interleukin-8-like	14	2.10E-04	1.50E-02	ILMN_1803094	PGFD	-0.414236957	SMART	SMART	30	7.00E-03	2.70E-01
ILMN_1787453	FKBP11	0.59145019	INTERPRO	Cytokine-cytokine receptor interaction	39	2.90E-04	2.20E-03	ILMN_1669393	CYP4XL1	-0.414336018	INTERPRO	INTERPRO	47	8.00E-03	2.90E-01
ILMN_2179644	C7orf4	0.59067684	INTERPRO	Small chemokine C-X-C conserved site	7	5.00E-04	6.40E-02	ILMN_1812678	AGM2	-0.414406423	INTERPRO	INTERPRO	5	5.00E-02	4.60E-01
ILMN_1710937	ITGB5	0.586248375	PIR_SUPERFAMILY	Small chemokine C-X-C group conserved site	6	2.60E-03	3.70E-01	ILMN_3249432	FN878	-0.414880756	PIR_SUPERFAMILY	PIR_SUPERFAMILY	11	1.20E-02	2.00E-01
ILMN_1780368	GPR108	0.58623222	PIR_SUPERFAMILY	Small chemokine C-X-C group conserved site	22	3.90E-03	3.90E-02	ILMN_1774739	C16	-0.415000777	PIR_SUPERFAMILY	PIR_SUPERFAMILY	35	7.00E-02	7.50E-01
ILMN_1767448	UHP	0.585177803	PIR_SUPERFAMILY	Small chemokine C-X-C group conserved site	5	8.00E-03	3.90E-01	ILMN_1679516	C0010P	-0.415119368	PIR_SUPERFAMILY	PIR_SUPERFAMILY	7	7.40E-03	2.70E-01
ILMN_1668417	TRAM1	0.5852472	INTERPRO	Small chemokine families	11	8.50E-03	5.10E-01	ILMN_1702167	RTZT	-0.415153645	INTERPRO	INTERPRO	10	7.70E-03	6.70E-01
ILMN_1716241	CD16	0.5852472	INTERPRO	Small chemokine families	3	1.80E-04	2.90E-01	ILMN_1855966	DB338191	-0.415153645	INTERPRO	INTERPRO	49	3.60E-03	6.70E-01
ILMN_1740845	MT8B	0.585191850	INTERPRO	Small chemokine interleukin-8-like	5	1.10E-04	2.40E-01	ILMN_1732735	TMETM46	-0.415284665	INTERPRO	INTERPRO	47	5.00E-03	2.00E-01
ILMN_2220955	VOPP1	0.585088493	INTERPRO	Small chemokine interleukin-8-like	30	4.00E-06	2.50E-01	ILMN_1749162	DIQD1	-0.415318086	INTERPRO	INTERPRO	30	7.00E-03	2.70E-01
ILMN_1710937	ITGB5	0.586248375	PIR_SUPERFAMILY	Small chemokine C-C group conserved site	6	2.10E-03	3.70E-01	ILMN_1797281	RGP06	-0.415318119	PIR_SUPERFAMILY	PIR_SUPERFAMILY	11	1.20E-02	2.00E-01
ILMN_1780368	GPR108	0.58623222	PIR_SUPERFAMILY	Small chemokine C-C group conserved site	6	2.50E-02	8.50E-01	ILMN_1675452	IGN4X	-0.415500828	PIR_SUPERFAMILY	PIR_SUPERFAMILY	35	7.00E-02	7.50E-01
ILMN_1767448	UHP	0.585177803	PIR_SUPERFAMILY	Small chemokine C-C group conserved site	38	2.20E-01	8.70E-01	ILMN_1753446	CTSL	-0.415569293	PIR_SUPERFAMILY	PIR_SUPERFAMILY	11	1.00E+00	1.00E+00
ILMN_1814194	TCF4	0.584588598	PIR_SUPERFAMILY	Small chemokine families	14	7.00E-05	1.40E-03	ILMN_2184525	LOC220115	-0.415612675	PIR_SUPERFAMILY	PIR_SUPERFAMILY	45	5.00E-03	2.40E-01
ILMN_1781155	LYN	0.584518345	PIR_SUPERFAMILY	Small chemokine families	14	7.00E-05	1.40E-03	ILMN_1795419	CNPD1	-0.415632858	PIR_SUPERFAMILY	PIR_SUPERFAMILY	8	5.50E-03	2.30E-01
ILMN_1772402	HCL5	0.58468761	GOTERM_BP_FAT	SH3 domain binding	18	1.70E-04	1.60E-02	ILMN_1762631	OR1K1	-0.415638956	GOTERM_BP_FAT	GOTERM_BP_FAT	18	1.50E-02	2.00E-01
ILMN_2131936	DC425E2	0.584512047	GOTERM_BP_FAT	protein domain specific binding	38	1.20E-03	6.50E-02	ILMN_1682404	TMEM13	-0.415645516	GOTERM_BP_FAT	GOTERM_BP_FAT	18	1.50E-02	2.00E-01
ILMN_2388701	ST3GAL5	0.584460701	PIR_SUPERFAMILY	short sequence motif SH3-binding	9	1.90E-02	7.50E-01	ILMN_1695092	WRB8	-0.415939829	PIR_SUPERFAMILY	PIR_SUPERFAMILY	12	1.90E-02	3.50E-01
ILMN_2176063	FCGR1C	0.58438888	BIOCARTA	T cell selection	8	1.80E-04	6.00E-03	ILMN_2178994	TUBB8	-0.416025867	BIOCARTA	BIOCARTA	12	1.20E-02	2.40E-01
ILMN_1778779	ITGB5	0.584247677	BIOCARTA	T cell selection	8	1.80E-04	6.00E-03	ILMN_1737988	PRNP	-0.416706777	BIOCARTA	BIOCARTA	53	3.00E-02	4.00E-01
ILMN_1800091	RARE51	0.58157835	PIR_SUPERFAMILY	Signaling through the T Cell Receptor	3	1.30E-02	6.90E-01	ILMN_1764850	IHCPL1	-0.416799331	PIR_SUPERFAMILY	PIR_SUPERFAMILY	9	7.40E-05	1.10E-03
ILMN_1780663	KHLH30	0.581317766	PIR_SUPERFAMILY	Phosphorylated immunoreceptor signaling ITAM	6	5.00E-05	9.90E-03	ILMN_1695378	SR8E1	-0.416962537	PIR_SUPERFAMILY	PIR_SUPERFAMILY	11	3.30E-04	3.00E-02
ILMN_1664049	GLISA4	0.5805898642	PIR_SUPERFAMILY	Signaling through the T Cell Receptor	7	7.00E-05	3.70E-03	ILMN_1681670	SLC15A4	-0.416965603	PIR_SUPERFAMILY	PIR_SUPERFAMILY	8	7.30E-04	5.60E-02
ILMN_2415162	TCF4	0.580548591	PIR_SUPERFAMILY	Signaling through the T Cell Receptor	6	9.30E-05	2.50E-02	ILMN_1707551	AFMID	-0.416991933	PIR_SUPERFAMILY	PIR_SUPERFAMILY	6	2.00E-03	3.80E-01
ILMN_1781626	C1S	0.580525801	SMART	TCR/cell surface molecules	6	1.30E-04	1.90E-02	ILMN_1793967	TMX2	-0.417294402	SMART	SMART	12	3.20E-03	4.00E-01
ILMN_2143314	SP1B	0.58798736	PIR_SUPERFAMILY	TCR/cell surface molecules	8	1.80E-04	1.00E-02	ILMN_1804242	FDPS	-0.417433376	PIR_SUPERFAMILY	PIR_SUPERFAMILY	4	1.60E-01	1.00E+00
ILMN_1652198	CCM2	0.587943755	BIOCARTA	TCR/cell surface molecules	8	1.80E-04	1.00E-02	ILMN_1807745	G152	-0.417476862	BIOCARTA	BIOCARTA	53	4.00E-02	6.00E-01
ILMN_1717197	CD3G	0.587923813	BIOCARTA	Development	7	2.00E-04	9.10E-03	ILMN_3238125	ZNFX4	-0.417666075	BIOCARTA	BIOCARTA	6	3.20E-03	2.00E-01
ILMN_1877599	BX09468	0.5879211026	BIOCARTA	TCR Receptor Signaling Pathway	4	1.30E-03	3.20E-02	ILMN_1725917	LBFB4	-0.418052933	BIOCARTA	BIOCARTA	7	1.90E-02	1.20E-01
ILMN_1711383	STK4	0.579190057	BIOCARTA	IL-17 Signaling Pathway	7	6.20E-03	2.10E-01	ILMN_1794989	TMEM191B	-0.418073062	BIOCARTA	BIOCARTA	4	4.60E-02	6.10E-01
ILMN_1763762	SIX5	0.577840885	BIOCARTA	TCR Receptor Complex	4	6.70E-03	2.00E-01	ILMN_1675755	KCN15	-0.418122913	BIOCARTA	BIOCARTA	5	7.40E-02	5.80E-01
ILMN_1808634	DRAM2	0.577489944	PIR_SUPERFAMILY	domain/TAM	3	1.60E-02	7.60E-01	ILMN_1764457	HEATR8	-0.418232036	PIR_SUPERFAMILY	PIR_SUPERFAMILY	5	7.00E-02	7.30E-01
ILMN_2060666	HDL-DRB6	0.576393699	PIR_SUPERFAMILY	The Cytosolic Decay Signal During T-cell Activation	7	2.20E-02	4.00E-01	ILMN_1666718	TA	-0.418336767	PIR_SUPERFAMILY	PIR_SUPERFAMILY	3	9.50E-03	3.00

ILMN_1745402	PHF19	0.57147481	SP_PIR_KEYWORDS	SH2_domain		18	4.40E-06	6.30E-03	ILMN_1709356	PLEC	-0.419293542	GOTERM_CC_FAT	protein-translocating ATP synthase complex	4	1.30E-01	1.02E-01					
ILMN_1720302	HK3	0.57135955	UP_SEQ_FEATURE	domain-SH2		16	8.10E-04	1.30E-01	ILMN_17228938	ECM23	-0.41915448	GOTERM_MF_FAT	ligase activity, forming carbon-sulfur bonds	7	4.30E-03	2.10E-01					
ILMN_1771599	PLOD2	0.57249153	INTERPRO	SH2 motif		17	2.20E-03	1.90E-01	ILMN_175104283	RAB23	-0.41930993	GOTERM_MF_FAT	acid-thio ligase activity	6	5.30E-03	2.30E-01					
ILMN_1799134	KLRD3	0.57054486	SMART	SH2		17	1.20E-02	3.50E-01	ILMN_18134046	CBRA	-0.419415233	GOTERM_MF_FAT	Cu+-lipse activity	3	7.70E-02	7.20E-01					
ILMN_1615765	RNASET2	0.570444106	Annotation Cluster 28	Enrichment Score: 2.64	regulation of cytokine production		29	4.60E-05	2.60E-03	ILMN_2207170	WWC23	-0.419421284	INTERPRO	AMP-dependent synthetase and ligase	5	9.10E-02	9.90E-01				
ILMN_2415776	VWVOX	0.570364587	GOTERM_BP_FAT	positive regulation of cytokine production		14	8.60E-06	1.80E-01	ILMN_1862420	AWA92223	-0.419565674	GOTERM_BP_FAT	positive regulation of multicellular organismal process	29	3.10E-02	4.00E-01					
ILMN_1792473	AIF1	0.565005113	GOTERM_BP_FAT	positive regulation of multicellular organismal process		14	8.60E-06	1.80E-01	ILMN_1724052	ZNF814	-0.419676286	Annotation Cluster 29	Enrichment Score: 2.57	ILMN_1782044	SLC14A1	-0.419152524	GOTERM_BP_FAT	oxidative phosphorylation	14	3.00E-05	4.90E-03
ILMN_2226886	TSHZ4	0.565006562	GOTERM_BP_FAT	vascular development		34	2.60E-05	1.10E-02	ILMN_2284400	VSK1	-0.419310044	GOTERM_BP_FAT	negative regulation of two-sector ATPase complex	14	1.10E-02	1.10E-01					
ILMN_1774985	SFTD1	0.565051057	GOTERM_BP_FAT	blood vessel development		33	3.60E-05	1.50E-02	ILMN_1675671	KOSLG	-0.419740496	GOTERM_BP_FAT	nitrogen compound biosynthetic process	35	3.60E-05	3.30E-02					
ILMN_1768555	DLGA	0.56713376	GOTERM_BP_FAT	blood vessel morphogenesis		25	1.10E-02	2.10E-01	ILMN_1677723	ANGPT1	-0.419748572	GOTERM_BP_FAT	hydrogen translocation	12	7.00E-04	5.50E-02					
ILMN_3249667	HLA-DQA1	0.566833679	GOTERM_BP_FAT	angiogenesis		17	4.90E-02	5.10E-01	ILMN_1773650	LRRN3	-0.419821629	GOTERM_BP_FAT	hydrogen ion transmembrane transporter activity	15	7.80E-04	7.40E-02					
ILMN_1716300	CDH7	0.566453175	GOTERM_BP_FAT	angiogenesis					ILMN_1780044	SLC14A1	-0.419573254	SP_PIR_KEYWORDS	Hydrogen ion transport	10	1.10E-03	3.80E-02					
ILMN_1805027	KLC3	0.56619684	Annotation Cluster 30	Enrichment Score: 2.52	cell activation during immune response		10	5.90E-04	2.30E-02	ILMN_1664592	C1orf95	-0.419979299	GOTERM_BP_FAT	energy coupled proton transport, down electrochemical gradient	9	1.50E-03	9.50E-02				
ILMN_1712035	M54A6	0.565646093	GOTERM_BP_FAT	cell activation during immune response		10	5.90E-04	2.30E-02	ILMN_1813427	F14I1327	-0.419980234	GOTERM_BP_FAT	ATP synthase coupled proton transport	9	1.50E-03	9.50E-02					
ILMN_1724533	LY96	0.565610408	GOTERM_BP_FAT	leukocyte activation during immune response					ILMN_1876151	CB305890	-0.420086655	GOTERM_BP_FAT	proton transport	11	2.00E-03	1.10E-01					
ILMN_1660368	TRAP	0.565596364	GOTERM_BP_FAT	myeloid leukocyte activation		11	9.70E-05	3.50E-02	ILMN_1800652	UNCN19	-0.420156152	GOTERM_BP_FAT	dependent inorganic cation transmembrane transporter activity	15	3.20E-05	2.10E-01					
ILMN_1654219	HAPLN3	0.565458059	GOTERM_BP_FAT	myeloid cell activation during immune response		6	6.20E-03	1.40E-01	ILMN_1778246	IR01047	-0.42018201	GOTERM_BP_FAT	inorganic cation transmembrane transporter activity	19	3.50E-05	1.90E-01					
ILMN_1752592	HLA-DRB4	0.56545772	GOTERM_BP_FAT	lymphocyte activation during immune response		4	1.20E-01	7.50E-01	ILMN_1817616	B03201207	-0.420256514	GOTERM_BP_FAT	purine nucleotide triphosphate biosynthetic process	14	3.60E-03	1.70E-01					
ILMN_1705876	NAP1L1	0.564924934	Annotation Cluster 31	Enrichment Score: 2.48	T cell selection		8	1.80E-04	7.60E-03	ILMN_3184048	FAM115C	-0.420269728	GOTERM_BP_FAT	ATP biosynthetic process	13	4.00E-03	1.90E-01				
ILMN_1706643	COLA63	0.563595273	GOTERM_BP_FAT	thymic T cell selection		6	1.30E-03	4.20E-02	ILMN_1786273	C1orf122	-0.42035475	GOTERM_BP_FAT	nucleotide triphosphate biosynthetic process	14	4.60E-03	2.10E-01					
ILMN_1747593	ISLR	0.563025051	GOTERM_BP_FAT	positive T cell selection		5	2.10E-03	6.60E-02	ILMN_2415157	ARID5A	-0.420530292	GOTERM_BP_FAT	ion transmembrane transport	9	5.60E-03	2.30E-01					
ILMN_1669409	VSG16	0.562952684	GOTERM_BP_FAT	negative T cell selection		5	2.10E-03	6.60E-02	ILMN_1755651	TAFT	-0.420573186	GOTERM_CC_FAT	proton transporing V-type ATPase complex	11	8.80E-03	3.00E-01					
ILMN_1679245	GUPI	0.561555944	GOTERM_BP_FAT	positive Th17 cell selection		4	9.30E-03	1.90E-01	ILMN_2353030	GRAP	-0.420753714	GOTERM_BP_FAT	ribonucleotide triphosphate biosynthetic process	13	9.50E-03	3.10E-01					
ILMN_2214232	AIM2	0.56120833	GOTERM_BP_FAT	negative Th17 cell selection		4	1.40E-02	2.50E-01	ILMN_1797965	POD2	-0.420917615	GOTERM_BP_FAT	ribonucleotide triphosphate biosynthetic process	15	9.80E-03	3.00E-01					
ILMN_1662026	BTK	0.560600139	GOTERM_BP_FAT	activation of plasma proteins involved in acute inflammatory response					ILMN_1755419	LETHM1	-0.421044742	GOTERM_BP_FAT	acid nucleotide, nucleotide and nucleic acid								
ILMN_3192156	LOC100130932	0.560425184	Annotation Cluster 32	Enrichment Score: 2.43	T cell differentiation in the thymus		6	3.50E-02	4.30E-01	ILMN_1783337	DECR2	-0.42108193	GOTERM_BP_FAT	ribonucleotide triphosphate metabolic process	20	1.30E-02	3.50E-01				
ILMN_1709860	UNCG54	0.560337455	GOTERM_BP_FAT	activation of immune response		27	5.50E-06	1.60E-07	ILMN_1806778	UBRE2L	-0.421118323	GOTERM_BP_FAT	purine nucleotide triphosphate biosynthetic process	14	4.00E-02	3.80E-01					
ILMN_1754121	CSK	0.5601164	GOTERM_BP_FAT	innate immune response		27	2.30E-06	2.00E-04	ILMN_2178504	ORS25	-0.421187724	GOTERM_BP_FAT	ATP metabolic process	13	1.50E-02	3.90E-01					
ILMN_1762835	HEL2	0.560089485	GOTERM_BP_FAT	humoral immune response		19	5.30E-06	4.20E-04	ILMN_1688218	RASGRP4	-0.421274314	GOTERM_BP_FAT	nucleotide triphosphate biosynthetic process	19	1.70E-02	4.20E-01					
ILMN_1815895	HLA-DRB1	0.559778090	SP_PIR_KEYWORDS	innate immunity		17	1.80E-05	4.70E-04	ILMN_1784967	EPBA1148	-0.421279242	GOTERM_BP_FAT	ribonucleotide triphosphate biosynthetic process	16	1.90E-02	4.30E-01					
ILMN_1771261	HLA-DRB1	0.559778090	GOTERM_BP_FAT	complement activation		10	1.90E-03	6.10E-02	ILMN_1736103	TPR2	-0.42138505	GOTERM_BP_FAT	ribonucleotide triphosphate biosynthetic process	14	2.00E-02	4.20E-01					
ILMN_3303101	AK027616	0.558421261	GOTERM_BP_FAT	activation of plasma proteins involved in acute inflammatory response		10	2.30E-03	6.90E-02	ILMN_1720595	MOGDA1	-0.421568182	GOTERM_CC_FAT	vacuolar proton-translocating V-type ATPase complex	4	2.00E-02	3.90E-01					
ILMN_1668678	HETD2	0.558139394	GOTERM_BP_FAT	protein maturation by peptide bond cleavage		14	5.90E-03	1.40E-01	ILMN_1681456	FOX12	-0.421666354	GOTERM_BP_FAT	protein translocating two-sector ATPase complex, catalytic domain	5	2.20E-02	3.40E-01					
ILMN_1670256	PKD1	0.558113707	SP_PIR_KEYWORDS	complement alternative pathway		5	6.60E-03	5.70E-02	ILMN_1791884	SNHG11	-0.421680721	GOTERM_BP_FAT	purine ribonucleotide triphosphate metabolic process	13	3.20E-02	5.50E-01					
ILMN_1769929	KLF13	0.558057416	GOTERM_BP_FAT	complement activation, alternative pathway		5	1.70E-02	2.80E-01	ILMN_1801476	CDS1	-0.421707342	GOTERM_BP_FAT	nucleotide triphosphate metabolic process	14	3.30E-02	5.60E-01					
ILMN_1785060	TSPAN14	0.556692289	SP_PIR_KEYWORDS	complement pathway		6	3.00E-02	1.80E-01	ILMN_1888339	BMPR1B	-0.421752432	GOTERM_BP_FAT	purine nucleotide triphosphate biosynthetic process	18	3.30E-02	5.50E-01					
ILMN_1801766	CCDC1098	0.556631343	GOTERM_BP_FAT	acute inflammatory response		13	3.70E-02	4.40E-01	ILMN_1713397	NCRP1	-0.421780587	GOTERM_BP_FAT	ribonucleotide triphosphate metabolic process	13	3.40E-02	5.50E-01					
ILMN_2168217	GPR181	0.556573889	GOTERM_BP_FAT	protein maturation		15	4.20E-02	4.70E-01	ILMN_1766887	AP3B1	-0.421791176	GOTERM_BP_FAT	ribonucleotide triphosphate metabolic process	15	3.70E-02	5.50E-01					
ILMN_2203950	HUA4	0.556011697	GOTERM_BP_FAT	protein processing		14	4.50E-02	4.80E-01	ILMN_1874678	Q05045040	-0.421826526	GOTERM_BP_FAT	ribonucleotide triphosphate metabolic process	5	4.40E-02	4.10E-01					
ILMN_2400300	PTPN2	0.555329444	GOTERM_BP_FAT	complement activation, classical pathway		6	4.60E-02	4.90E-01	ILMN_1788625	EXOC5	-0.42188295	GOTERM_BP_FAT	protein translocating P-type active, rotational mechanism	14	4.70E-02	4.30E-01					
ILMN_1674250	NCKAP1	0.555059935	KEGG_PATHWAY	Complement and coagulation cascades		11	5.20E-02	2.20E-01	ILMN_2102951	FAHMO2	-0.42188738	GOTERM_BP_FAT	protein translocating ATPase action	6	5.90E-02	4.90E-01					
ILMN_1675701	MOXD1	0.554889739	GOTERM_BP_FAT	humoral immune response mediated by circulating immunoglobulin		6	5.90E-02	5.60E-01	ILMN_1833027	A19J66335	-0.422002895	GOTERM_BP_FAT	energy-coupled proton transport, against electrochemical gradient	3	8.70E-02	7.90E-01					
ILMN_2388900	MAPK14	0.554484759	SP_PIR_KEYWORDS	plasma		10	1.20E-01	4.70E-01	ILMN_1729225	SORS2	-0.422052526	GOTERM_BP_FAT	ATP hydrolase coupled proton transport	3	8.70E-02	7.90E-01					
ILMN_1783593	CLL1	0.554424877	BIOCARTA	Complement Pathway		5	1.50E-01	8.10E-01	ILMN_1806710	ESPN1	-0.422072833	KEGG_PATHWAY	Vibrio cholerae infection	8	9.60E-02	4.40E-01					
ILMN_2167805	LUM	0.55387206	BIOCARTA	Alternative Complement Pathway		3	3.50E-01	9.50E-01	ILMN_1730319	ZSCAN19	-0.422104033	GOTERM_BP_FAT	regulation of pif	5	1.20E-01	8.60E-01					
ILMN_1677589	HCG_1818547	0.553810404	BIOCARTA	Classical Complement Pathway		3	4.50E-01	9.70E-01	ILMN_1690389	OR10AD1	-0.422187969	GOTERM_BP_FAT	ATPase activity, coupled to transmembrane movement of ions	8	1.50E-01	8.50E-01					
ILMN_2391458	ACSL4	0.553532478	Annotation Cluster 33	Enrichment Score: 2.34	regulation of apoptosis		80	8.00E-04	2.90E-02	ILMN_1763202	LOC441179	-0.422209888	GOTERM_BP_FAT	ATPase activity, coupled to transmembrane movement of ions	4	1.80E-01	9.60E-01				
ILMN_1724686	CDLN1	0.553200079	GOTERM_BP_FAT	regulation of apoptosis					ILMN_1806168	P2RX8	-0.422252626	GOTERM_BP_FAT	transporter domain	5	2.20E-02	3.40E-01					
ILMN_1792511	ZHK2	0.553154741	GOTERM_BP_FAT	regulation of programmed cell death		80	1.10E-03	3.90E-02	ILMN_1810146	DCU1N040	-0.422357443	GOTERM_BP_FAT	transporter activity, active on anhydrides, catalyzing	13	3.20E-02	5.50E-01					
ILMN_1792511	ZHK2	0.553154741	GOTERM_BP_FAT	regulation of cell death		80	1.20E-03	4.10E-02	ILMN_1802223	ATP2B2	-0.423612645	GOTERM_BP_FAT	transmembrane movement of substances	10	2.10E-01	9.10E-01					
ILMN_1792511	ZHK2	0.553154741	GOTERM_BP_FAT	induction of apoptosis		37	2.50E-03	7.50E-02	ILMN_1814206	HR18	-0.423660833	GOTERM_BP_FAT	ATPase activity, coupled to transmembrane movement of substances	3	2.40E-01	9.30E-01					
ILMN_1758050	TRAFD1	0.553136093	GOTERM_BP_FAT	induction of programmed cell death		37	2.70E-03	7.80E-02	ILMN_1853093	BG325888	-0.423745705	GOTERM_BP_FAT	ATPase activity, coupled to transmembrane movement of substances	10	3.00E-01	9.50E-01					
ILMN_1815107	LBH	0.553044215	GOTERM_BP_FAT	positive regulation of apoptosis		46	3.30E-02	9.10E-02	ILMN_1745811	TORD3	-0.423771181	GOTERM_BP_FAT	primary active transmembrane transporter activity	10	3.00E-01	9.50E-01					
ILMN_1747452	PLSCR1	0.553050226	GOTERM_BP_FAT	positive regulation of programmed cell death		46	3.80E-02	9.90E-02	ILMN_1678186	ATPV04A4	-0.423812939	GOTERM_BP_FAT	ATPase activity, coupled to transmembrane movement of substances	7	3.40E-01	7.80E-01					
ILMN_1672661	SP110	0.552919266	GOTERM_BP_FAT	anti-apoptosis		26	4.20E-03	1.00E-01	ILMN_1683575	TMH1	-0.423844174	GOTERM_BP_FAT	ATPase activity, coupled to transmembrane movement of substances	6	3.60E-01	9.60E-01					
ILMN_1695352	CO300	0.550481054	GOTERM_BP_FAT	positive regulation of cell death		46	4.20E-03	1.00E-01	ILMN_1752810	LARP6	-0.423952918	GOTERM_BP_FAT	ATPase activity, coupled to transmembrane movement of substances	8	4.70E-01	9.90E-01					
ILMN_2234941	NUR62	0.549799647	GOTERM_BP_FAT	negative regulation of apoptosis		30	2.00E-02	3.10E-01	ILMN_2347880	LARP9	-0.423930462	GOTERM_BP_FAT	ATPase activity, coupled to transmembrane movement of substances	8	4.80E-01	9.90E-01					
ILMN_2188333	CD69	0.549785656	GOTERM_BP_FAT	induction of apoptosis by extracellular signals		15	2.20E-02	3.00E-01	ILMN_1659312	PMP22	-0.423064273	GOTERM_BP_FAT	ATPase activity, coupled to transmembrane movement of substances	21	5.10E-01	9.90E-01					
ILMN_1799814	SNRNP40	0.549743402	GOTERM_BP_FAT	negative regulation of programmed cell death		36	2.40E-02	3.00E-01	ILMN_1675687	NA	-0.423146262	GOTERM_BP_FAT	ATPase activity, coupled to transmembrane movement of substances	17	5.50E-01	9.90E-01					
ILMN_2067898	SNX16	0.549637293	Annotation Cluster 34	Enrichment Score: 2.33	negative regulation of cell death		36	2.50E-02	3.60E-01	ILMN_1714197	ACSS2	-0.423438779	GOTERM_BP_FAT	ATPase activity, coupled to transmembrane movement of substances	3	8.30E-01	1.00E+00				
ILMN_2163193	KIF18	0.549637886	SP_PIR_KEYWORDS	hydroxylase		16	1.20E-02	1.60E-02	ILMN_1666364	CO100A	-0.423537928</td										

ILMN_1653220	PTPPM1	0.54033239	GOTERM_BP_FAT	collagen biosynthetic process	■	3	4.10E-02	4.70E-01	ILMN_1653220	3236123 NA	-0.425834421	
ILMN_1713894	MYB	0.541942618	PIR_SUPERFAMILY	skin development	■	6	4.60E-02	4.90E-01	ILMN_1802506	CNA255	-0.425955005	
ILMN_1395711	ARRB2	0.541905357	SMART	PIRS02255:collagen alpha 1(I) chain	■	3	4.80E-02	5.90E-01	ILMN_1885987	EFL1493	-0.426075959	
ILMN_1737683	FGG	0.541939555	U_P_SEQ_FEATURE	CofE	■	4	4.80E-02	6.20E-01	ILMN_13251737	EF1E1	-0.426162957	
ILMN_1739397	MMD	0.541175792	GOTERM_BP_FAT	propedeptide-N-terminal propopeptide	■	3	4.90E-02	9.20E-01	ILMN_3239073	AT3A38982	-0.426402786	
ILMN_2006413	CD4	0.540923355	U_P_SEQ_FEATURE	multicellular organism macromolecule metabolic process	■	6	5.90E-02	5.60E-01	ILMN_2404085	CLIP7	-0.426519039	
ILMN_2088124	TMEM154	0.54081551	GOTERM_BP_FAT	region of interest:Nodemic region	■	3	8.40E-02	9.80E-01	ILMN_3234892	MARCH11	-0.426621618	
ILMN_1653959	KRT18	0.540552293	U_P_SEQ_FEATURE	domain:WVFA 2	■	6	1.10E-01	7.20E-01	ILMN_2158962	AT3A38716	-0.426654642	
ILMN_1766275	PNXC3	0.540185955	GOTERM_BP_FAT	domain:WVFA 1	■	3	1.20E-01	6.40E-01	ILMN_2158962	AT3D3461	-0.426681323	
ILMN_2413622	REK4	0.539981818	KEGG_PATHWAY	Exoenzyme BI signaling pathway	■	17	4.50E-04	3.20E-03	ILMN_1762714	V1001	-0.426716693	
ILMN_1688698	ZEB2	0.539498138	KEGG_PATHWAY	B cell receptor signaling pathway	■	15	2.60E-04	1.50E-03	ILMN_1679979	PLK3	-0.426809302	
ILMN_1710434	TBC1D05	0.539216281	KEGG_PATHWAY	VEGF signaling pathway	■	10	1.60E-01	4.70E-01	ILMN_1659285	PSMG1	-0.426817727	
ILMN_1788000	ANKRD93	0.539312471	U_P_SEQ_FEATURE	domain:Fibringen C-terminal	■	Count	P_Value	Benjamini	ILMN_1686708	C1401166	-0.426884542	
ILMN_1771011	MINK1	0.539255605	INTERPRO	Filaggrin; alpha/beta/gamma chain, C-terminal globular	■	8	3.00E-03	3.10E-01	ILMN_1746411	DCAF13	-0.426927838	
ILMN_1661839	OR52AS	0.539195389	SMART	Filaggrin; alpha/beta/gamma chain, C-terminal globular	■	8	3.90E-03	2.80E-01	ILMN_1796165	GLRX5	-0.426984344	
ILMN_2125747	CORO1A	0.538811741	U_P_SEQ_FEATURE	Filaggrin; alpha/beta/gamma chain, C-terminal globular, subdomain 1	■	8	1.00E-02	3.40E-01	ILMN_3308330	MRH45	-0.427153939	
ILMN_1693338	CYP1B1	0.538079455	INTERPRO	Filaggrin; alpha/beta/gamma chain, C-terminal globular, subdomain 1	■	6	1.50E-02	4.90E-01	ILMN_1789878	AT3D244676	sept-11	
ILMN_1769111	SLC38A1	0.538354576	KEGG_PATHWAY	regulation of inflammatory response	■	Count	P_Value	Benjamini	ILMN_3286312	NEK2	-0.427250174	
ILMN_1775542	FAIM3	0.538105777	GOTERM_BP_FAT	positive regulation of defense response	■	14	1.90E-03	6.10E-02	ILMN_2057826	PHF3	-0.427296659	
ILMN_1742230	BAS1	0.537948112	GOTERM_BP_FAT	regulation of response to external stimulus	■	13	4.00E-03	1.00E-01	ILMN_1861380	UBXN8900	-0.427318405	
ILMN_2365460	XBP1	0.537815715	GOTERM_BP_FAT	positive regulation of acute inflammatory response	■	21	6.60E-03	1.50E-01	ILMN_3200465	LOC100132724	-0.427342226	
ILMN_1763093	C14orf43	0.537813281	GOTERM_BP_FAT	positive regulation of response to external stimulus	■	5	7.10E-03	1.00E-01	ILMN_1738033	ORT2733	-0.427420816	
ILMN_1680400	SSR4	0.537692812	GOTERM_BP_FAT	positive regulation of response to external stimulus	■	11	1.20E-02	2.00E-01	ILMN_3296956	SLC14A1	-0.427436752	
ILMN_1803339	P2X5TRAPXB3	0.537679595	GOTERM_BP_FAT	regulation of acute inflammatory response	■	6	1.20E-02	2.30E-01	ILMN_17661010	AK023939	-0.427439814	
ILMN_2313079	NLRP1	0.537673615	INTERPRO	positive regulation of inflammatory response	■	7	1.50E-02	2.00E-01	ILMN_1667262	BMS1P5	-0.427510006	
ILMN_1779644	SP_PIR_KEYWORDS	0.537664568	SP_PIR_KEYWORDS	SP_PIR_KEYWORDS	■	5	1.60E-02	3.00E-01	ILMN_17661010	AK023939	-0.427510006	
ILMN_1717379	HAT1L	0.537602567	INTERPRO	SP_PIR_KEYWORDS	■	10	2.40E-03	2.70E-02	ILMN_1789555	ASGANT1	-0.427885574	
ILMN_1779644	HAT1L	0.537602567	KEGG_PATHWAY	transforming protein kinase	■	8	4.10E-03	3.00E-02	ILMN_1915734	DAT721216	-0.428085688	
ILMN_1681798	SP_PIR_KEYWORDS	0.535288015	SP_PIR_KEYWORDS	transforming protein	■	8	9.00E-03	7.50E-02	ILMN_1775812	GHR	-0.428391695	
ILMN_1657153	ACTR9	0.535113718	INTERPRO	SP_PIR_KEYWORDS	■	8	1.70E-02	3.80E-01	ILMN_1682857	NUF2AF2	-0.428941234	
ILMN_1669447	PYHIN	0.535113608	GOTERM_MP_FAT	non-membrane spanning protein tyrosine kinase activity	■	8	1.70E-02	3.80E-01	ILMN_1707649	MPD9	-0.428947541	
ILMN_1770247	HOXA10-HOXA9	0.534469473	SP_PIR_KEYWORDS	thioester bond	■	7	2.20E-02	1.40E-01	ILMN_1707065	SALL9	-0.429015254	
ILMN_1755557	OFMFL2B	0.534281024	PIRSF00601	tyrosine-protein kinase, proto-oncogene SRC type	■	4	5.50E-02	9.40E-01	ILMN_3203122	MRN4	-0.42907976	
ILMN_1686655	BP1105095	0.534272054	GOTERM_BP_FAT	PIR_SUPERFAMILY	■	21	1.00E-02	6.00E-02	ILMN_3211546	LOC7285558	-0.429116469	
ILMN_2252579	BP1105098	0.533978741	GOTERM_CC_FAT	cell center	■	13	1.20E-02	1.00E-01	ILMN_1668105	SYF2	-0.429318908	
ILMN_1718936	LST1	0.533685638	GOTERM_CC_FAT	cell center part	■	8	5.00E-02	5.00E-01	ILMN_2300181	MFGF8	-0.429391008	
ILMN_1701441	UPAR1	0.533584285	GOTERM_CC_FAT	cytoskeletal cytoskeleton	■	73	1.40E-03	4.70E-02	ILMN_3264664	FAM548	-0.429671162	
ILMN_1696709	TLE4	0.533575509	INTERPRO	GOTERM_BP_FAT	negative regulation of macromolecule metabolic process	■	43	2.70E-03	3.00E-02	ILMN_1788878	TSPN4	-0.429679257
ILMN_1653327	BAS1	0.533441732	INTERPRO	SP_PIR_KEYWORDS	negative regulation of RNA metabolic process	■	40	3.70E-03	9.70E-02	ILMN_1679919	ASC2	-0.430017785
ILMN_1761468	EFHD1	0.533391753	INTERPRO	SP_PIR_KEYWORDS	negative regulation of nucleotide compound metabolic process	■	52	6.50E-03	1.50E-01	ILMN_1695717	RBM41	-0.430091428
ILMN_1673706	HDC9	0.533248383	GOTERM_BP_FAT	negative regulation of transcription, DNA-dependent	■	38	8.10E-03	1.70E-01	ILMN_1638543	HYDIN	-0.430108716	
ILMN_2059505	APP99	0.533209569	GOTERM_BP_FAT	negative regulation of transcription	■	46	1.00E-02	2.10E-01	ILMN_1681884	LOC10506049	-0.43011242	
ILMN_1653265	CD37	0.532997185	GOTERM_BP_FAT	nucleic acid metabolism process	■	50	1.20E-02	2.30E-01	ILMN_1746676	CDLN8	-0.430235272	
ILMN_1732705	HCF1	0.532655529	GOTERM_BP_FAT	negative regulation of transcription from RNA polymerase II promoter	■	29	1.70E-02	2.80E-01	ILMN_1654759	WWC2	-0.430287957	
ILMN_1740605	CCL15	0.532083263	INTERPRO	SP_PIR_KEYWORDS	negative regulation of transcription	■	32	1.80E-02	3.90E-01	ILMN_1745152	UQC	-0.430290972
ILMN_2388605	ACTR9	0.531817213	GOTERM_MP_FAT	negative regulation of gene expression	■	48	2.10E-02	3.20E-01	ILMN_1781500	STGALAE	-0.430316846	
ILMN_2112580	FCGR3A	0.531607296	GOTERM_BP_FAT	negative regulation of macromolecule biosynthetic process	■	53	2.40E-02	3.50E-01	ILMN_1675172	KGNSBP	-0.430410284	
ILMN_2302624	MACH1	0.531190638	PIMSP3	negative regulation of biosynthetic process	■	52	2.50E-02	3.60E-01	ILMN_3187741	IGLOD5	-0.430432892	
ILMN_1653265	CD37	0.530984063	GOTERM_BP_FAT	negative regulation of cellular biosynthetic process	■	60	3.00E-02	4.00E-01	ILMN_1652445	SLC16A4	-0.430485932	
ILMN_2315825	C03T	0.52971865	INTERPRO	SP_PIR_KEYWORDS	negative regulation of transcription from RNA polymerase II promoter	■	6	1.30E-02	2.00E-01	ILMN_1660967	SPH44L	-0.430571833
ILMN_2206178	FSTL1	0.529043666	INTERPRO	SP_PIR_KEYWORDS	methylesterase complex	■	6	1.30E-02	2.00E-01	ILMN_1766920	LOC83104	-0.430630518
ILMN_2094360	NR2E2	0.528995672	INTERPRO	SP_PIR_KEYWORDS	methylesterase complex	■	4	1.40E-02	2.10E-01	ILMN_1899367	BC039440	-0.430900843
ILMN_2359593	ULRB3	0.528635646	INTERPRO	SP_PIR_KEYWORDS	MU5 complex	■	6	1.30E-02	2.00E-01	ILMN_2414796	FEH1	-0.430971833
ILMN_1764749	TNFSF1B	0.528559856	INTERPRO	SP_PIR_KEYWORDS	Guanylate binding protein, C-terminal	■	4	7.90E-03	4.10E-01	ILMN_1746416	PLEXNOB	-0.430962255
ILMN_2109489	GZMB	0.528278857	INTERPRO	PIR_P00552	guanidine nucleotide-binding protein 1	■	4	1.10E-02	7.10E-01	ILMN_1763371	TRG	-0.43107328
ILMN_1797813	SUZ12	0.528141917	INTERPRO	PIR_P00552	Guanylate binding protein, N-terminal	■	4	3.10E-02	6.20E-01	ILMN_1774757	ZNF496	-0.431181714
ILMN_1739103	MP21	0.5281348	INTERPRO	PIR_P00552	response to molecule of bacterial origin	■	15	2.00E-03	6.60E-02	ILMN_2235420	AMTOR3	-0.431277597
ILMN_1767474	P2RY10	0.527700179	INTERPRO	PIR_P00552	response to leucosugars	■	11	3.80E-03	4.50E-01	ILMN_1601333	ZNF57	-0.431336768
ILMN_1773334	VAV1	0.527665351	INTERPRO	PIR_P00552	response to bacterium	■	21	4.50E-02	4.80E-01	ILMN_2167011	CHOC1	-0.431397707
ILMN_2348625	SNORD4A	0.527664547	INTERPRO	PIR_P00552	protein binding, bridging	■	16	1.20E-03	6.30E-02	ILMN_2117526	DMGOH	-0.431572475
ILMN_1772957	COAD	0.527627596	GOTERM_MP_FAT	SH3/H32 adapter activity	■	8	4.10E-02	5.20E-01	ILMN_1293594	LAMA3	-0.431574449	
ILMN_1747386	GUS3	0.526051034	GOTERM_MP_FAT	molecular adapter activity	■	9	7.40E-02	7.00E-01	ILMN_1659631	LOC404905	-0.431638987	
ILMN_1676524	BTNS2	0.525626618	INTERPRO	PIR_P00552	positive regulation of T cell differentiation	■	9	1.20E-02	4.10E-02	ILMN_1728660	PARPC	-0.431686902
ILMN_1813314	HST1/H2B2K	0.525676946	INTERPRO	PIR_P00552	positive regulation of T cell differentiation	■	5	1.30E-02	3.80E-01	ILMN_1653631	SPANP3	-0.431736545
ILMN_1653265	AFG1	0.525672745	INTERPRO	PIR_P00552	positive regulation of T cell differentiation in the thymus	■	3	6.60E-02	3.70E-01	ILMN_1785931	CPI22	-0.431743163
ILMN_1767345	CD54	0.525609437	INTERPRO	PIR_P00552	positive regulation of T cell differentiation in the thymus	■	3	1.70E-02	3.80E-01	ILMN_2091522	MFRP7	-0.432299211
ILMN_1768404	IUGR	0.525618987	INTERPRO	PIR_P00552	lipid membrane transport	■	7	3.40E-02	2.05E-01	ILMN_2327062	CT800	-0.432036567
ILMN_1652376	BP1105092	0.525371678	INTERPRO	PIR_P00552	short sequence motif:SH3-binding 3	■	4	9.10E-04	4.0E-01	ILMN_1753249	DIX10	-0.432368902
ILMN_1803002	LRTM1	0.525312588	INTERPRO	PIR_P00552	short sequence motif:SH3-binding 2	■	4	2.20E-03	2.60E-01	ILMN_1823732	RAVLY	-0.432478789
ILMN_1780533	RNASE6	0.523036373	INTERPRO	PIR_P00552	short sequence motif:SH3-binding 2	■	4	2.20E-03	2.60E-01	ILMN_1770692	WDR12	-0.432579939
ILMN_1738424	CD42	0.522741055	INTERPRO	PIR_P00552	phospholipid scrambling	■	3	2.60E-02	3.70E-01	ILMN_1752668	DAAM2	-0.432766136
ILMN_1737405	RASSF1	0.522728223	INTERPRO	PIR_P00552	Scambiphase	■	3	3.70E-02	6.00E-01	ILMN_2380754	CNCG	-0.432862355
ILMN_1737141	CD43	0.522717341	INTERPRO	PIR_P00552	phospholipid transporter activity	■	6	4.00E-02	5.30E-01	ILMN_2098743	ACOT13	-0.432903272
ILMN_1763273	CD47	0.522717341	INTERPRO	PIR_P00552	phospholipid organization	■	3	4.00E-02	4.80E-01	ILMN_1785931	CKMNB4	-0.432914363
ILMN_1763273	CD43	0.522651331	INTERPRO	PIR_P00552	lipid membrane transport	■	7	4.00E-02	5.20E-01	ILMN_2324402	RIMPB3	-0.432992978
ILMN_1677997	MA2	0.522238876	INTERPRO	PIR_P00552	short sequence motif:SH3-binding 1	■	16	5.10E-03	1.20E-01	ILMN_1728883	EF51	-0.433152172
ILMN_1730842	PTPRC	0.521576258	INTERPRO	PIR_P00552	extracellular matrix organization	■	7	1.30E-02	4.0E-01	ILMN_2370375	SNRAGE	-0.433152172
ILMN_1742332	KCTD12	0.521545558	INTERPRO	PIR_P00552	collagen fibril organization	■	1	1.30E-02	4.0E-01	ILMN_1806754	GLDC	-0.433346545
ILMN_1769345	STX5	0.521535791	INTERPRO	PIR_P00552	extracellular structure organization	■	17	9.80E-02	6.90E-01	ILMN_3244402	RIMPB3	-0.433329728
ILMN_1738903	TOD	0.520737908	INTERPRO	PIR_P00552	DNA-binding region:Tryptophan pentad repeat	■	4	1.50E-02	7.00E-01	ILMN_1735968	SULT2C	-0.433676104
ILMN_1809486	SPCS2	0.520711651	INTERPRO	PIR_P00552	Interferon regulatory factor, conserved site	■	4	1.70E-02	5.20E-01	ILMN_1766079	AMV2A	-0.433722866
ILMN_1739192	SEC14L	0.520450568	INTERPRO	PIR_P00552	Interferon regulatory factor	■	4	1.70E-02	5.20E-01</td			

ILMN_1687533	SEMA4D	0.5104939179	GOTERM_BP_FAT	negative regulation of inflammatory response	■	6	5.90E-02	5.60E-01	ILMN_3176708	ACCS	-0.437273601
ILMN_2367010	GP130	0.5104907911	GOTERM_BP_FAT	negative regulation of response to external stimulus	■	6	2.60E-01	9.10E-01	ILMN_165848	CD01180	-0.433401354
ILMN_1693233	KIAA0513	0.5108984111	INTERPRO	Immunoglobulin subtype	■	46	2.00E-06	5.70E-04	ILMN_1775569	CRSP2	-0.433424694
ILMN_1378382	SACS	0.5108786762	SMART	IG	■	46	1.40E-04	1.30E-02	ILMN_212952	CISD1	-0.433432614
ILMN_1051958	MGR	0.5108749732	UP_SEQ_FEATURE	domain:lg-like C2-type 1	■	23	3.50E-03	3.40E-01	ILMN_1813374	C1orf28	-0.433439413
ILMN_1713561	C2orf103	0.5108618413	UP_SEQ_FEATURE	domain:lg-like C2-type 2	■	23	3.80E-03	3.50E-01	ILMN_1761040	EFC3	-0.434447469
ILMN_1748767	H3F3A	0.5108611680	INTERPRO	Immunoglobulin	■	22	2.30E-02	5.80E-01	ILMN_1656521	HSF1	-0.43502935
ILMN_1706505	COLS1	0.5108500199	UP_SEQ_FEATURE	domain:lg-like C2-type 3	■	13	7.60E-02	9.70E-01	ILMN_2388425	ETXL2	-0.43452297
ILMN_1659905	KFBP10	0.5107788226	UP_SEQ_FEATURE	domain:lg-like C2-type 4	■	6	7.60E-02	9.70E-01	ILMN_1668507	DNAH1	-0.434520764
ILMN_1749789	HIST1H1D	0.5107385181	UP_SEQ_FEATURE	domain:lg-like C2-type 5	■	9	9.80E-02	9.70E-01	ILMN_3209059	FAM172	-0.434665828
ILMN_1693010	LOC101924848	0.5107385181	UP_SEQ_FEATURE	domain:lg-like C2-type 6	■	7	1.20E-01	9.90E-01	ILMN_1689242	MRPL18D	-0.43471774
ILMN_1719418	SP110	0.5106172907	UP_SEQ_FEATURE	domain:lg-like C2-type 7	■	4	5.00E-01	1.00E-00	ILMN_1603755	LGK312	-0.434846792
ILMN_1653797	Gcenf2	0.5105409073	UP_SEQ_FEATURE	domain:lg-like C2-type 8	■	18	1.80E-01	9.90E-01	ILMN_2310814	MAPT	-0.435180042
ILMN_1730096	FIFU1	0.5105342755	INTERPRO	Immunoglobulin subtype 7	■	18	4.30E-01	9.70E-01	ILMN_1680420	NUDT13	-0.435267065
ILMN_1752755	VWF	0.510584319	SMART	IGc2	■	8	8.00E-01	1.00E-00	ILMN_2388975	CEK9	-0.435336603
ILMN_2246882	SP140	0.5105398091	INTERPRO	Immunoglobulin 1-set	■	■	■	■	ILMN_1711139	CEPK	-0.435443746
Annotation Cluster 52 Enrichment Score: 1.71											
ILMN_1703992	TUBB	0.5105373368	GOTERM_BP_FAT	positive regulation of adaptive immune response	■	10	1.70E-04	7.50E-03	ILMN_1774565	KAAG1	-0.435444092
ILMN_1747733	SOCS1	0.5105160688	GOTERM_BP_FAT	regulation of immune effector process	■	18	5.10E-04	2.00E-02	ILMN_3244019	KANK1	-0.435533662
ILMN_1686401	PDCD2	0.510515617	GOTERM_BP_FAT	positive regulation of immune effector process	■	11	6.70E-04	2.60E-02	ILMN_1660958	GTPBP8	-0.435637776
ILMN_1765547	IRF2	0.5105132444	INTERPRO	positive regulation of adaptive immune response based on somatic recombination of immunoreceptors built from somatic recombination of immunoreceptors built from	■	■	■	■	ILMN_1685343	NUP11	-0.435682765
ILMN_1664464	PTGDS	0.5104952603	GOTERM_BP_FAT	positive regulation of adaptive immune response	■	9	7.50E-04	2.80E-02	ILMN_1680968	FN3zf2	-0.435703827
ILMN_2416165	PRDM1	0.5104869307	GOTERM_BP_FAT	regulation of adaptive immune response	■	12	1.30E-03	4.50E-02	ILMN_1674560	GBA2	-0.435804444
ILMN_2370813	LAMP3	0.5104854618	GOTERM_BP_FAT	regulation of leukocyte mediated immunity	■	12	2.80E-03	7.90E-02	ILMN_3244449	SNRNP80	-0.435921778
ILMN_1768940	COL15A1	0.5104819308	GOTERM_BP_FAT	regulation of lymphocyte mediated immunity	■	11	3.50E-03	9.30E-02	ILMN_1765438	Clefrn184	-0.435968921
ILMN_1653498	IGSF6	0.510464262	GOTERM_BP_FAT	regulation of adaptive immune response based on somatic recombination of immunoreceptors built from immunoglobulin superfamily domains	■	11	4.00E-03	1.00E-01	ILMN_1765438	CD160	-0.435973265
ILMN_3219558	TUBA1C	0.5104638534	GOTERM_BP_FAT	positive regulation of leukocyte mediated immunity	■	8	7.60E-03	1.60E-01	ILMN_1761264	BMP8A	-0.436050729
ILMN_1772359	LAPTM3	0.5104581115	GOTERM_BP_FAT	positive regulation of lymphocyte mediated immunity	■	8	7.60E-03	1.60E-01	ILMN_1808457	TBX18	-0.436066954
ILMN_2379599	CD163	0.510407854	GOTERM_BP_FAT	regulation of inflammatory response to antigenic stimulus	■	4	1.40E-02	2.50E-01	ILMN_2134848	TUBE1	-0.43624955
ILMN_1737586	EF4H	0.5104071307	GOTERM_BP_FAT	positive regulation of inflammatory response to antigenic stimulus	■	3	2.60E-02	3.70E-01	ILMN_1693771	ASHP	-0.436271075
ILMN_2388155	CASP9	0.5104056975	GOTERM_BP_FAT	positive regulation of B-cell mediated immunity	■	4	3.60E-02	4.20E-01	ILMN_1672717	Cldnrf37	-0.436474074
ILMN_3248122	MED1	0.5104046063	GOTERM_BP_FAT	positive regulation of immunoglobulin mediated immune response	■	4	3.60E-02	4.30E-01	ILMN_1877912	BXK26069	-0.436444502
ILMN_1736180	FRAT1	0.5103911587	GOTERM_BP_FAT	regulation of T cell mediated immunity	■	5	5.30E-02	5.30E-01	ILMN_2406815	LRC7	-0.436447501
ILMN_1758315	SLC9A9	0.5107683034	GOTERM_BP_FAT	regulation of molecular production of cellular mediator of immune response	■	7	6.10E-02	5.60E-01	ILMN_1769155	CYP2C8	-0.436725424
ILMN_1787844	C1orf10	0.5103287875	GOTERM_BP_FAT	regulation of B-cell mediated immunity	■	5	8.00E-02	6.40E-01	ILMN_1804569	GAS2	-0.436731209
ILMN_2119349	QPC7	0.5103085853	GOTERM_BP_FAT	regulation of immunoglobulin mediated immune response	■	5	8.00E-02	6.40E-01	ILMN_1795767	GRHL1	-0.436755448
ILMN_1705424	CMTM3	0.5102361037	GOTERM_BP_FAT	positive regulation of T cell mediated immunity	■	4	8.00E-02	6.40E-01	ILMN_1708832	Cbtf7	-0.436884336
ILMN_1740420	ALKBH2	0.5102359049	GOTERM_BP_FAT	positive regulation of T cell mediated cytotoxicity	■	5	8.00E-02	6.40E-01	ILMN_1708832	CBTF7	-0.436884336
ILMN_2399304	NAV2	0.5101715806	GOTERM_BP_FAT	regulation of cell killing	■	1	1.20E-01	7.50E-01	ILMN_2118623	ESPH1	-0.43702817
ILMN_2340631	SIGE14	0.5101642976	GOTERM_BP_FAT	regulation of T cell mediated cytotoxicity	■	3	1.20E-01	7.50E-01	ILMN_3274572	ST13	-0.437182937
ILMN_1775762	GNAQ2	0.5101165532	GOTERM_BP_FAT	immunoglobulin production	■	4	3.40E-01	9.50E-01	ILMN_2389826	C1orf75	-0.437200672
ILMN_1672417	PTCPRA	0.5100927259	GOTERM_BP_FAT	production of molecular mediator of immune response	■	4	3.60E-01	9.50E-01	ILMN_1679469	SRSF5	-0.437233997
ILMN_1772036	STEAP4	0.5100819043	GOTERM_BP_FAT	positive regulation of leukocyte mediated cytotoxicity	■	3	4.30E-01	9.70E-01	ILMN_1737376	FSO1	-0.437254435
ILMN_1679880	THOGC	0.5100808899	GOTERM_BP_FAT	positive regulation of cell killing	■	3	5.00E-01	9.80E-01	ILMN_1730755	GCLC	-0.437334441
ILMN_1769615	FLRT2	0.5100764445	GOTERM_BP_FAT	positive regulation of calcium-mediated signaling	■	1	1.00E-01	7.50E-01	ILMN_3249963	PCBP2	-0.437366287
ILMN_1751752	TEF1	0.5100740473	GOTERM_BP_FAT	positive regulation of alpha-beta T cell activation	■	6	1.00E-02	2.00E-01	ILMN_2388517	MTERF3	-0.437369439
ILMN_1654939	TMEV2	0.5100730744	GOTERM_BP_FAT	positive regulation of calcium-mediated signaling	■	5	2.60E-02	3.70E-01	ILMN_1604578	OZD2	-0.437460093
ILMN_3248243	MGR38	0.5100729055	GOTERM_BP_FAT	positive regulation of alpha-beta T cell activation	■	6	3.00E-02	4.00E-01	ILMN_1808733	PTENP2	-0.437476959
ILMN_1742840	COL4A1	0.5100701055	SP1 SEQ FEATURE	domain:DAPIN	■	6	8.00E-03	6.30E-01	ILMN_1754738	APM1	-0.437688917
ILMN_1812795	RUNX1T1	0.509981865	INTERPRO	domain:DAPIN	■	6	1.20E-02	4.70E-01	ILMN_1729402	CHRM2	-0.437798676
ILMN_1668042	CHAF1A	0.5099565509	INTERPRO	domain:DAPIN	■	3	2.30E-02	5.70E-01	ILMN_3236955	ACSS2	-0.437914797
ILMN_1707491	FAM40A	0.5094260537	INTERPRO	DEATH-like	■	9	6.90E-02	8.00E-01	ILMN_1660815	CABN9	-0.43813087
ILMN_1779234	CXKL6	0.5092100307	INTERPRO	positive regulation of interleukin-2 biosynthetic process	■	10	5.00E-03	1.20E-01	ILMN_1713846	PPM1H	-0.438175050
ILMN_1696004	LRRL	0.5092152796	INTERPRO	positive regulation of interleukin-2 biosynthetic process	■	7	1.50E-02	2.60E-01	ILMN_1775715	PPM1H	-0.438175984
ILMN_2366330	FERMT3	0.5090580504	INTERPRO	kinase binding	■	11	3.00E-02	4.00E-01	ILMN_1755047	URCC	-0.438205025
ILMN_1691939	FCRH3	0.5091893776	INTERPRO	kinase binding	■	5	3.80E-02	4.50E-01	ILMN_1804070	PTENP2	-0.438214959
ILMN_2351466	NTM	0.5091789255	INTERPRO	kinase binding	■	1	2.10E-01	3.70E-01	ILMN_1729515	PINA	-0.438262946
ILMN_2320888	CXKR4	0.5091789080	INTERPRO	kinase binding	■	4	3.00E-02	4.50E-01	ILMN_2152627	EIF2AK1	-0.438490247
ILMN_1700147	VRPB3	0.5091646151	INTERPRO	kinase binding	■	4	5.60E-02	5.40E-01	ILMN_2200594	PTENP2	-0.438607277
ILMN_1742840	RAB3A	0.5091645242	INTERPRO	kinase binding	■	21	1.00E-02	3.70E-01	ILMN_1755047	URCC	-0.438705205
ILMN_1682462	LCRHR1	0.5091473024	INTERPRO	kinase binding	■	7	3.00E-02	4.70E-01	ILMN_1807357	AK057517	-0.438709312
ILMN_2320952	CLCC1	0.5091285656	INTERPRO	kinase binding	■	17	3.40E-02	4.90E-01	ILMN_3247723	HOP11	-0.438848999
ILMN_2077550	RAGCAP1	0.5091273648	INTERPRO	kinase binding	■	■	■	■	ILMN_3245038	AQP9	-0.438870012
ILMN_1732962	NIN	0.5091076161	INTERPRO	kinase binding	■	19	9.30E-03	7.60E-02	ILMN_1868037	CA041597	-0.438914032
ILMN_1778909	COL4A2	0.5090593109	SP_PIR_KEYWORDS	domain:Rho-GAP	■	10	1.80E-02	7.30E-01	ILMN_3237520	C1orf127	-0.439208533
ILMN_1777401	HLA-B	0.5090567673	SP_PIR_KEYWORDS	domain:Rho-GAP	■	10	2.90E-02	6.10E-01	ILMN_1669561	TMS6F2	-0.439237695
ILMN_1681101	MARCH1	0.5090570254	SP_PIR_KEYWORDS	domain:Rho-GAP	■	23	3.50E-02	4.90E-01	ILMN_1683302	SMC4	-0.439237826
ILMN_1658586	GPR161	0.5090561603	SP_PIR_KEYWORDS	domain:Rho-GAP	■	10	7.40E-02	6.50E-01	ILMN_2110939	CFCL1	-0.439253234
ILMN_2169439	TGAV	0.5090420584	SP_PIR_KEYWORDS	domain:Rho-GAP	■	23	3.50E-02	2.00E-01	ILMN_2167800	TM4SF5	-0.440205051
ILMN_2255133	BCL11A	0.509099609	SP_PIR_KEYWORDS	domain:Rho-GAP	■	8	3.70E-02	4.40E-01	ILMN_2167960	TBCB	-0.440321973
ILMN_2396444	CD14	0.5090597183	SP_PIR_KEYWORDS	domain:Rho-GAP	■	18	4.80E-02	5.70E-01	ILMN_1676901	TBCB	-0.440345527
ILMN_1742407	NDUT3	0.5090861202	SP_PIR_KEYWORDS	domain:Rho-GAP	■	24	5.00E-02	6.00E-01	ILMN_1729516	TM4SF5	-0.440359992
ILMN_1724439	TMEV123	0.5090763396	INTERPRO	post-translational modification	■	9	1.60E-02	2.70E-01	ILMN_1682147	TD021663	-0.440379278
ILMN_2322447	AIHMC3	0.5090557504	INTERPRO	post-translational modification	■	8	1.70E-02	3.80E-01	ILMN_1688220	SYNPO2	-0.440377604
ILMN_1673788	COV13	0.5090551872	INTERPRO	post-translational modification	■	14	1.90E-02	3.00E-01	ILMN_1909247	DDX9155	-0.440388654
ILMN_1722622	CD163	0.5090420829	INTERPRO	post-translational modification	■	15	2.10E-02	5.70E-01	ILMN_2358278	RSRC2	-0.440392562
ILMN_1758418	TNFSF13B	0.5090239005	INTERPRO	post-translational modification	■	13	2.40E-02	5.60E-01	ILMN_3187300	NA	-0.440399299
ILMN_1773389	PLTP	0.509123684	INTERPRO	post-translational modification	■	10	3.70E-02	4.00E-01	ILMN_2167800	TM4SF5	-0.440420501
ILMN_3040898	TUB8	0.5091642119	INTERPRO	post-peptidyl-tirosine phosphorylation	■	8	3.70E-02	4.40E-01	ILMN_1769601	TBCB	-0.440432193
ILMN_1693009	FGF2	0.5090748088	INTERPRO	post-peptidyl-tirosine phosphorylation	■	18	4.80E-02	5.70E-01	ILMN_1769601	TBCB	-0.440434552
ILMN_1697377	ANRDR6B	0.5091488354	INTERPRO	Tyrkcs	■	15	7.30E-02	6.70E-01	ILMN_1804347	TUSC2	-0.440509992
ILMN_2394705	EGO4	0.509149868	INTERPRO	transmembrane receptor protein tyrosine kinase activity	■	9	7.40E-02	7.00E-01	ILMN_2213590	TMEM170A	-0.440549978
ILMN_1742407	AMPS	0.5091488354	INTERPRO	transmembrane receptor protein tyrosine kinase activity	■	38	9.00E-02	1.00E-01	ILMN_1682059	TM8SF4	-0.440554853
ILMN_1701424	LAMC3	0.5090583919	INTERPRO	tyrosine kinase, ATP binding site	■	42	1.10E-01	9.80E-01	ILMN_1802559	TM8SF4	-0.440558189
ILMN_2320934	CNE1	0.5090494471	INTERPRO	tyrosine kinase, ATP binding site	■	39	1.10E-01	9.80E-01	ILMN_325117		

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Enrichment Score: 1.51		Count		P_Value Benjamini			
ILMN_1668526	GVIN1	0.502134327	GOTERM_BP_FAT	regulation of production of molecular mediator of immune response	7	6.10E-02	5.60E-01
ILMN_3266471	SNRPC	0.502069028	GOTERM_BP_FAT	positive regulation of production of molecular mediator of immune response	4	8.00E-02	6.40E-01
ILMN_1792323	HOC	0.501908382	GOTERM_BP_FAT	regulation of immunoglobulin production	5	1.00E-01	7.00E-01
ILMN_3250321	PTPAA3	0.501884874	INTERPRO	inflammation response	20	1.00E-01	6.00E-01
ILMN_1793658	LRP1A	0.500920724	UP_PIR_KEYWORDS	inflammation response	8	1.70E-02	6.00E-01
ILMN_1790806	MICA	0.50077348	INTERPRO	defensin/TR	8	4.80E-04	1.00E-01
ILMN_1814282	AEN	0.500720751	SMART	Toll-like receptor	8	1.40E-03	7.60E-02
ILMN_1768391	ARL4C	0.500429722	INTERPRO	Toll-like receptor	4	2.50E-03	2.00E-01
ILMN_2065797	EXOC2	0.500390809	GOTERM_BP_FAT	positive regulation of tumor necrosis factor production	6	2.60E-03	7.60E-02
ILMN_1772194	CAU2	0.500361911	GOTERM_BP_FAT	l-Kappa8 kinase/NF-kappaB cascade	12	3.60E-03	9.50E-02
ILMN_2161577	CXCL6	0.500240901	PIR_SUPERFAMILY	PIRSF037955:Toll-like_receptor	4	3.70E-03	3.90E-01
ILMN_2350634	EFEPM1	0.500206558	GOTERM_BP_FAT	response to host immune response	4	5.60E-03	1.30E-01
ILMN_1806415	TILL1	0.500134553	GO	response to immune response of other organism during symbiotic interaction	4	5.60E-03	1.30E-01
ILMN_2149270	TNC	0.499902490	GOTERM_BP_FAT	modulation of immune response during immune response	6	6.20E-03	1.40E-01
ILMN_1691518	SAMD3	0.499796669	GOTERM_BP_FAT	regulation of human neurotictic factor production	7	1.80E-02	2.90E-01
ILMN_2103107	ADAMDEC1	0.499783162	GOTERM_BP_FAT	response to host defense	4	2.00E-02	3.10E-01
ILMN_1667949	FAM129A	0.499772816	GO	response to defenses of other organism during symbiotic interaction	4	2.00E-02	3.10E-01
ILMN_2289849	FGCR2A	0.499770278	GOTERM_BP_FAT	response to host	4	2.00E-02	3.10E-01
ILMN_2046730	S100A10	0.499655898	GOTERM_BP_FAT	pattern recognition receptor signaling pathway	5	2.60E-02	3.70E-01
ILMN_1728478	CXCL16	0.499648824	GOTERM_BP_FAT	regulation of innate immune response	9	3.10E-02	4.00E-01
ILMN_1720124	RCC2	0.4995931	GOTERM_BP_FAT	innate immune response-activating signal transduction	5	3.80E-02	4.50E-01
ILMN_1773036	GPR124	0.499553381	GOTERM_BP_FAT	activation of innate immune response	5	3.80E-02	4.50E-01
ILMN_1770892	YY1	0.499319867	GOTERM_BP_FAT	positive regulation by symbiont of host immune response	3	4.10E-02	4.70E-01
ILMN_2145501	ANGPTL1	0.499287642	GOTERM_BP_FAT	modulation by host immune response of host immune response	3	4.10E-02	4.70E-01
ILMN_1773985	SLC41A3	0.498930906	GO	positive regulation by symbiont of host immune response of other organism during symbiotic interaction	3	4.10E-02	4.70E-01
ILMN_3241870	FRMD8	0.498891755	GOTERM_BP_FAT	modulation by symbiont of host innate immunity	3	4.10E-02	4.70E-01
ILMN_1702787	SEMA4A	0.498525311	GOTERM_BP_FAT	positive regulation by symbiont of host innate immunity	3	4.10E-02	4.70E-01
ILMN_3246005	KDM5B	0.498336371	GOTERM_BP_FAT	modulation by organism of immune response of other organism during symbiotic interaction	3	4.10E-02	4.70E-01
ILMN_2328972	DNM1TB	0.497852497	GOTERM_BP_FAT	modulation by organism of innate immunity in other organism during symbiotic interaction	3	4.10E-02	4.70E-01
ILMN_1776678	GIMAP7	0.497755073	GOTERM_BP_FAT	modulation by organism of innate immunity in other organism during symbiotic interaction	3	4.10E-02	4.70E-01
ILMN_1777342	PREX1	0.497550091	GOTERM_BP_FAT	microcellular cell activation during immune response	3	4.10E-02	4.70E-01
ILMN_2384544	ADAM15	0.49700085	INTERPRO	Interleukin-1 receptor_type I(Toll)precursor	4	4.80E-03	7.30E-01
ILMN_1652237	CBR3	0.496843407	GOTERM_BP_FAT	modulation by symbiont of host defense response	5	5.90E-02	5.60E-01
ILMN_2131523	SACS	0.496414693	GOTERM_BP_FAT	positive regulation by symbiont of defense response of other organism during symbiotic interaction	3	5.90E-02	5.60E-01
ILMN_1713496	ST3GALS	0.496247538	GOTERM_BP_FAT	positive regulation by symbiont of host defense response	3	5.90E-02	5.60E-01
ILMN_1773876	FLJ43330	0.496138514	GOTERM_BP_FAT	modulation by organism of defense response of other organism during symbiotic interaction	3	5.90E-02	5.60E-01
ILMN_2148459	B2m	0.496102998	GOTERM_BP_FAT	positive regulation of innate immune response	3	5.90E-02	5.60E-01
ILMN_1738578	FLIPUL1	0.495603084	GOTERM_BP_FAT	microcellular cell activation during immune response	3	7.80E-03	6.40E-01
ILMN_1769705	H3F3C	0.495596159	GOTERM_BP_FAT	macrophage activation	4	8.00E-03	6.40E-01
ILMN_2384846	ST6GAL1	0.494986289	GOTERM_BP_FAT	regulation of interleukin-6 production	6	9.90E-03	7.00E-01
ILMN_1801767	ABHD3	0.494887245	GOTERM_BP_FAT	macrophage activation during immune response	3	1.00E-01	7.00E-01
ILMN_1673352	IFTM1	0.494874549	GOTERM_BP_FAT	peptidophagocyt binding	3	1.20E-01	8.00E-01
ILMN_1759915	ARPC1A	0.494657516	GOTERM_BP_FAT	modification by symbiont of host morphology or physiology	3	1.20E-01	7.50E-01
ILMN_1666050	TMB1	0.494520754	BIOCARTA	Toll-like Receptor Pathway	8	1.60E-01	8.20E-01
ILMN_1773384	C13orf18	0.494502622	UF_SEQ_FEATURE	repeat_LRR13	8	1.90E-01	1.00E+00
ILMN_2150252	ZFP36L2	0.494331692	GOTERM_BP_FAT	positive regulation of innate immune response	6	2.10E-01	8.70E-01
ILMN_1790798	PNMA2	0.494396507	GOTERM_BP_FAT	positive regulation of binding	8	2.90E-01	9.30E-01
ILMN_1701613	RARRES3	0.494386866	GOTERM_BP_FAT	positive regulation of NF-kappaB transcription factor activity	5	3.10E-01	9.40E-01
ILMN_1773344	CD44	0.494355649	GOTERM_BP_FAT	positive regulation of NF-kappaB	7	3.50E-01	9.50E-01
ILMN_1768488	TERF1	0.494306059	GOTERM_BP_FAT	positive regulation of interleukin-6 production	3	3.80E-01	9.60E-01
ILMN_1750191	TESC1	0.493587088	GOTERM_BP_FAT	positive regulation of transcription factor activity	6	4.00E-01	9.70E-01
ILMN_1677765	LRP8	0.49346676	GOTERM_BP_FAT	regulation of DNA binding	9	6.00E-01	9.90E-01
ILMN_1751326	HNRPNP2	0.493126682	GOTERM_BP_FAT	regulation of transcription factor activity	7	7.20E-01	1.00E+00
ILMN_1804117	FAM89B	0.492879984	GOTERM_BP_FAT	regulation of binding	10	7.40E-01	1.00E+00
ILMN_1748478	CD79A	0.492627639	GOTERM_BP_FAT	positive regulation of TAPBP	3	7.50E-01	9.50E-01
ILMN_1751446	NCAPA	0.492236342	GOTERM_BP_FAT	positive regulation of interleukin-6 production	3	8.00E-01	9.60E-01
ILMN_3194911	ATF6	0.492071189	GOTERM_BP_FAT	positive regulation of transcription factor activity	6	4.00E-01	9.70E-01
ILMN_1742450	TAPBP	0.491946553	GOTERM_BP_FAT	regulation of binding	10	7.40E-01	1.00E+00
ILMN_1793371	ATG5	0.491852059	GOTERM_BP_FAT	anchored to plasma membrane	4	1.90E-01	7.90E-01
ILMN_2450881	ATG5L1	0.491852057	GO	transcription compressor activity	4	1.90E-01	7.90E-01
ILMN_1807042	AA412235	0.491630004	GOTERM_BP_FAT	transcription repressor activity	18	1.50E-02	3.70E-01
ILMN_2356981	CO47	0.491672352	GOTERM_BP_FAT	transcription activator activity	32	1.80E-02	3.90E-01
ILMN_1674036	BIRC7	0.49156155	GOTERM_BP_FAT	transcription factor binding	39	2.20E-02	4.20E-01
ILMN_1779828	EDEM1	0.491481122	GOTERM_BP_FAT	transcription cofactor activity	47	2.30E-02	4.10E-01
ILMN_1786697	TRIM9	0.491286863	GOTERM_BP_FAT	transcription coactivator activity	34	4.10E-02	5.30E-01
ILMN_2374171	DCN	0.490862682	GO	maintenance of protein location	19	1.80E-01	8.80E-01
ILMN_1793371	KIAA0430	0.490393749	GOTERM_BP_FAT	region of interest: Beta-galactoside binding 1	10	5.00E-03	1.20E-01
ILMN_1689940	PLEKH02	0.490370169	GOTERM_BP_FAT	region of interest: Beta-galactoside binding 2	4	9.30E-03	1.90E-01
ILMN_1789502	GPC4	0.490420829	GOTERM_BP_FAT	domain:Glectin 2	10	3.10E-02	4.00E-01
ILMN_1818191	POU4XP	0.490379791	GOTERM_BP_FAT	domain:Glectin 1	6	1.50E-01	7.90E-01
ILMN_2074582	CD74H75	0.490095533	GOTERM_BP_FAT	domain:Glectin	1	6.20E-01	8.80E-01
ILMN_2074582	BAR01	0.490771583	GO	region of interest: Beta-galactoside binding 1	11	4.60E-03	9.80E-02
ILMN_1697538	ET51	0.490755548	UF_SEQ_FEATURE	region of interest: Beta-galactoside binding 2	3	1.10E-03	6.40E-01
ILMN_1691165	CLSPN	0.490179941	UF_SEQ_FEATURE	domain:Glectin 2	3	1.10E-03	6.40E-01
ILMN_1676361	ARHGAP22	0.48915052	SMART	domain:Glectin 1	3	4.90E-02	9.20E-01
ILMN_1810910	CFH	0.489085283	INTERPRO	Glectin, carbohydrate recognition domain	4	7.00E-02	8.00E-01
ILMN_1716687	TPM1	0.489048001	GO	GLECT	4	1.10E-01	7.40E-01
ILMN_2372744	CALCA	0.488929487	MEFA	platelet alpha granule	11	4.60E-03	9.80E-02
ILMN_1676132	DNM3TA	0.488330002	GOTERM_CC_FAT	platelet alpha granule lumen	9	6.30E-03	1.30E-01
ILMN_1678842	THBS2	0.487925361	GOTERM_CC_FAT	cytoplasmic membrane-bound vesicle lumen	9	9.80E-03	1.30E-01
ILMN_1691165	CD74	0.487871939	GOTERM_CC_FAT	vesicle lumen	9	1.30E-02	2.00E-01
ILMN_1781824	FASLG	0.48731803	GOTERM_CC_FAT	anterior venule	18	1.20E-01	6.50E-01
ILMN_1795025	NRK1	0.4872345	GOTERM_BP_FAT	endothelial venule part	15	4.20E-01	9.20E-01
ILMN_1716988	OPN3	0.487129838	GOTERM_BP_FAT	negative regulation of proteolysis	3	4.50E-01	9.80E-01
ILMN_1674533	TRPV6	0.486954576	GOTERM_CC_FAT	extracellular matrix part	17	6.70E-03	1.30E-01
ILMN_1787241	CD300LB	0.486873453	GOTERM_CC_FAT	basement membrane	10	8.90E-02	6.10E-01
ILMN_3311070	MIR338	0.486681487	SP_PIR_KEYWORDS	basement membrane	6	9.00E-02	4.00E-01
ILMN_1765146	IFNAR2	0.48652426	GO	regulation of protein phosphorylation	1	1.70E-01	6.50E-01
ILMN_2145033	CCR5	0.486445397	Annotation Cluster 62	Enrichment Score: 1.44	Count	P_Value Benjamini	
ILMN_1773498	COASY	-0.44184581	GOTERM_BP_FAT	regulation of production of molecular mediator of immune response	7	6.10E-02	5.60E-01
ILMN_1687329	NRK2	-0.441893837	GOTERM_BP_FAT	positive regulation of production of molecular mediator of immune response	4	8.00E-02	6.40E-01
ILMN_2151281	GABARAP1	-0.44214704	GOTERM_BP_FAT	immune response	5	1.00E-01	7.00E-01
ILMN_2145396	AKT1	-0.442315078	GOTERM_BP_FAT	regulation of immunoglobulin production	1	1.70E-01	6.50E-01
ILMN_1767649	PDCHG3	-0.442565157	GOTERM_BP_FAT	inflammation response	20	1.00E-01	6.00E-01
ILMN_1770482	TOLL	-0.442682561	GOTERM_BP_FAT	Toll-interleukin receptor	8	4.80E-04	6.60E-02
ILMN_1766013	KCNK18	-0.442857278	GOTERM_BP_FAT	Toll-like receptor	4	1.20E-03	2.00E-01
ILMN_1652037	UPIP2	-0.442859322	GOTERM_BP_FAT	positive regulation of toll-like receptor	12	3.60E-03	5.90E-01
ILMN_1742040	CDP40	-0.443462452	GOTERM_BP_FAT	modulation by symbiont of host innate immunity	6	2.40E-02	3.90E-01
ILMN_1779857	FAM153A	-0.443480102	GOTERM_BP_FAT	modulation by symbiont of host immune response	7	1.80E-02	3.90E-01
ILMN_174049	LRC19	-0.443605544	GOTERM_BP_FAT	modulation by symbiont of host defense response	4	2.00E-02	3.10E-01
ILMN_1701544	ULK1	-0.44404865	GOTERM_BP_FAT	modulation by symbiont of defense response of other organism during symbiotic interaction	3	4.10E-02	4.70E-01
ILMN_1703826	UNC5D	-0.444529337	GOTERM_BP_FAT	modulation by symbiont of innate immunity in other organism during symbiotic interaction	3	4.10E-02	4.70E-01
ILMN_2259949	ROCK1B	-0.444577331	GOTERM_BP_FAT	modulation by symbiont of innate immunity in other organism during symbiotic interaction	3	4.10E-02	4.70E-01
ILMN_1814136	RBFOX1	-0.44459197	GOTERM_BP_FAT	modulation by symbiont of host innate immunity	3	4.10E-02	4.70E-01
ILMN_1762993	PIGV	-0.444738905	GOTERM_BP_FAT	modulation by symbiont of host immune response	3	4.10E-02	4.70E-01
ILMN_3239946	LOC729375	-0.445003495	GOTERM_BP_FAT	modulation by symbiont of host defense response	3	4.10E-02	4.70E-01
ILMN_1801343	ACMS	-0.44393260	GOTERM_BP_FAT	modulation by symbiont of innate immunity in other organism during symbiotic interaction	3	4.10E-02	4.70E-01
ILMN_1781104	MARP2	-0.444048565	GOTERM_BP_FAT	modulation by symbiont of innate immunity in other organism during symbiotic interaction	3	4.10E-02	4.70E-01
ILMN_2082120	C10orf123	-0.444076459	GOTERM_BP_FAT	modulation by symbiont of innate immunity in other organism during symbiotic interaction	3	4.10E-02	4.70E-01
ILMN_1742040	GDPO4	-0.444172814	GOTERM_BP_FAT	modulation by symbiont of innate immunity in other organism during symbiotic interaction	3	4.10E-02	

ILMN_1764855	APOC1	0.486358012	GOTERM_MF_BP	protein binding		57	1.90E-02	4.00E-01		
		0.48617223	GOTERM_MF_BP	protein dimerization activity		49	2.40E-02	4.10E-01		
		0.48617223	GOTERM_MF_BP	protein homodimerization activity		29	1.20E-01	8.00E-01		
Annotation Cluster 69	Enrichment Score: 1.4				Count					
					P_Value	Benjamini				
					3	2.60E-02	3.70E-01			
					3	4.10E-02	4.70E-01			
					7	6.10E-02	5.60E-01			
					6	4.60E-02	4.90E-01			
Annotation Cluster 70	Enrichment Score: 1.38				Count					
					P_Value	Benjamini				
					7	4.00E-06	1.20E-03			
					6	3.00E-02	1.80E-01			
					6	4.60E-02	4.90E-01			
					6	4.60E-02	4.90E-01			
Annotation Cluster 71	Enrichment Score: 1.37				Count					
					P_Value	Benjamini				
					6	5.90E-02	5.60E-01			
					3	1.40E-01	1.00E+00			
					5	1.80E-01	1.00E+00			
					4	3.00E-01	1.00E+00			
Annotation Cluster 72	Enrichment Score: 1.35				Count					
					P_Value	Benjamini				
					4	3.50E-01	9.90E-01			
					4	4.60E-01	9.70E-01			
					4	4.60E-01	9.70E-01			
					4	4.60E-01	9.70E-01			
Annotation Cluster 73	Enrichment Score: 1.34				Count					
					P_Value	Benjamini				
					15	4.50E-03	4.10E-01			
					7	7.30E-02	4.20E-01			
					12	8.40E-02	4.50E-01			
					7	1.20E-01	7.40E-01			
Annotation Cluster 74	Enrichment Score: 1.34				Count					
					P_Value	Benjamini				
					12	1.30E-02	4.70E-01			
					12	4.10E-02	6.10E-01			
					4	8.40E-02	9.80E-01			
					8	8.80E-02	9.80E-01			
Annotation Cluster 75	Enrichment Score: 1.34				Count					
					P_Value	Benjamini				
					3	5.30E-03	4.60E-01			
					9	2.80E-02	4.00E-01			
					9	2.80E-02	4.00E-01			
					4	9.50E-02	8.60E-01			
Annotation Cluster 76	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					3	1.20E-02	2.40E-01			
					8	1.80E-02	7.40E-01			
					8	1.80E-02	7.40E-01			
					8	1.80E-02	7.40E-01			
Annotation Cluster 77	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					32	1.20E-02	2.30E-01			
					21	1.60E-02	2.50E-01			
					21	1.60E-02	2.50E-01			
					11	2.10E-02	3.20E-01			
Annotation Cluster 78	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					32	2.90E-03	3.20E-01			
					34	4.00E-02	4.00E-01			
					25	6.60E-02	4.90E-01			
					37	1.40E-02	3.60E-01			
Annotation Cluster 79	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					11	8.00E-02	4.00E-01			
					11	8.00E-02	4.00E-01			
					7	1.00E-01	7.00E-01			
					23	1.20E-01	7.40E-01			
Annotation Cluster 80	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					13	4.20E-02	4.70E-01			
					13	4.20E-02	4.70E-01			
					20	5.80E-02	5.50E-01			
					20	5.80E-02	5.50E-01			
Annotation Cluster 81	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					42	7.80E-02	6.30E-01			
					11	8.00E-02	6.50E-01			
					11	8.00E-02	6.50E-01			
					11	8.00E-02	6.50E-01			
Annotation Cluster 82	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
Annotation Cluster 83	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
Annotation Cluster 84	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
Annotation Cluster 85	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
Annotation Cluster 86	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
Annotation Cluster 87	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
Annotation Cluster 88	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
Annotation Cluster 89	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
Annotation Cluster 90	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
Annotation Cluster 91	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
Annotation Cluster 92	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
Annotation Cluster 93	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
Annotation Cluster 94	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
Annotation Cluster 95	Enrichment Score: 1.32				Count					
					P_Value	Benjamini				
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
					11	1.20E-02	2.40E-01			
Annotation Cluster 96	Enrichment Score: 1.32				Count					
		</								

ILMN_1788886	TOX	0.45759277	INTERPRO	Interprotein subunit	3	1.10E-01	8.90E-01	ILMN_16858826	MPF2	0.47386298
ILMN_1717207	MMP95	0.45753427	INTERPRO	EGF extracellular	3	1.10E-01	8.90E-01	ILMN_17970283	LOC644189	0.47190428
ILMN_2137084	LIN9	0.457451571	SMART	InB	3	1.20E-01	7.90E-01	ILMN_1801240	ORS014	0.47191683
ILMN_1669021	STAT2	0.457411543	UP_SEQ_FEATURE	repeat:III	3	4.90E-01	1.00E+00	ILMN_1667018	ACE2	0.47200806
ILMN_1745963	FOU1	0.457300409	UP_SEQ_FEATURE	repeat:IV	3	4.90E-01	1.00E+00	ILMN_1814333	SERPINB1	0.47202311
ILMN_1732042	CLDN4	0.457295007	UP_SEQ_FEATURE	repeat	3	4.90E-01	1.00E+00	ILMN_179530	CRLF2	0.47207782
ILMN_3236021	RANL36	0.457293548	UP_SEQ_FEATURE	repeat:II	3	4.90E-01	1.00E+00	ILMN_1753742	ODC2	0.472121
Annotation Cluster 90 Enrichment Score: 1.04										
ILMN_1682928	CPLV	0.45715899	GO:0000000	vesicle	55	6.00E-02	1.00E+00	ILMN_1775742	RNF128	0.47216765
ILMN_1770085	BTC1	0.45715899	GO:0000000	cytoplasmic vesicle	55	7.00E-02	9.00E-01	ILMN_1718532	MTRH	0.47227219
ILMN_2366041	ITM2C	0.456971553	GO:0000000	membrane-bound vesicle	48	1.00E-01	6.00E-01	ILMN_1800454	LOC101920454	0.47231943
ILMN_1775004	KCNQ3	0.456845686	GO:0000000	extracellular membrane-bound vesicle	46	1.40E-01	6.00E-01	ILMN_2105054	GBA8	0.47231943
ILMN_1689004	TFRS12A	0.456810235	GO:0000000	extracellular membrane-bound vesicle	46	1.40E-01	6.00E-01	ILMN_2142117	LYPARD1	0.47232053
ILMN_1750182	BASP1	0.456731492	GO:0000000	regulation of alpha-beta T cell activation	50	6.00E-02	1.00E+00	ILMN_3309452	LOC729970	0.47254571
ILMN_1682761	C1orf87B	0.456801889	GO:0000000	positive regulation of alpha-beta T cell activation	8	1.00E-02	2.10E-01	ILMN_1717935	TPR2	0.472733677
ILMN_1745583	EXO70A1	0.456768339	GO:0000000	positive regulation of alpha-beta T cell proliferation	6	3.00E-02	4.00E-01	ILMN_1772364	PDHA1	0.47281696
ILMN_2062524	R8BP4	0.456639033	GO:0000000	positive regulation of alpha-beta T cell proliferation	4	5.60E-02	5.40E-01	ILMN_2141151	C1orf59	0.472931317
ILMN_1778773	AMICA1	0.456253953	GO:0000000	positive regulation of alpha-beta T cell proliferation	3	1.20E-01	7.50E-01	ILMN_1753192	COL1C1	0.47296937
ILMN_2226304	ANKRD50	0.45628001	GO:0000000	regulation of alpha-beta T cell differentiation	4	2.50E-01	9.00E-01	ILMN_1724656	TBP1	0.473087529
ILMN_1651826	BASP1	0.456273744	GO:0000000	regulation of alpha-beta T cell differentiation	3	2.80E-01	9.20E-01	ILMN_167414	S100A7L2	0.473171084
ILMN_1682761	C1orf87B	0.456801889	GO:0000000	positive regulation of alpha-beta T cell differentiation	3	4.10E-01	7.00E-01	ILMN_1747816	MMP20	0.47324463
Annotation Cluster 91 Enrichment Score: 1.03										
ILMN_2149885	GLOW1	0.456580289	GO:0000000	luminescence acclimation	8	3.40E-02	3.50E-01	ILMN_1779849	AK023403	0.473393078
ILMN_1748012	TMEV130	0.456316023	GO:0000000	mononuclear cell proliferation	8	3.00E-02	4.00E-01	ILMN_223392	AGTPBP1	0.473305369
ILMN_1676234	SSH1	0.456155754	GO:0000000	leukocyte proliferation	8	3.00E-02	4.00E-01	ILMN_1776706	C1orf59	0.473469767
ILMN_1715625	C1orf94	0.456493532	GO:0000000	B cell proliferation	4	5.60E-02	5.40E-01	ILMN_1905546	AK055545	0.4736831673
ILMN_1673543	PGM2	0.456469266	GO:0000000	T cell proliferation	5	1.10E-01	7.30E-01	ILMN_3269377	FU00278	0.473695962
ILMN_1725090	CTHR1	0.456477878	GO:0000000	regulation of DNA recombination	3	5.40E-01	9.90E-01	ILMN_1673605	PRSS57	0.473703467
ILMN_2101278	RG53	0.456450448	GO:0000000	regulation of DNA metabolic process	6	9.00E-01	1.00E+00	ILMN_2097052	CDY2	0.473706518
ILMN_2141482	SERPINF1	0.456446009	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_2316918	PANK1	0.473813102
ILMN_1781916	AV723037	0.454308945	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1674173	RALGDS1	0.473943886
ILMN_1719905	TLR10	0.454067984	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1710064	PEX11G	0.474004019
ILMN_2137312	KCNQ3	0.454001416	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1656165	GOT1	0.474033215
ILMN_1706446	TCTS	0.453654986	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_238628	PRK845	0.474067352
ILMN_1610330	ATP5A	0.453653966	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_2092082	LOC101920452	0.47413025
ILMN_2355040	EF54A1	0.453636552	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_2102034	FLJ26554	0.474152912
ILMN_1673023	EP400	0.453645111	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1748432	LOC399715	0.474178344
ILMN_1740903	C7orf49	0.453471469	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1676378	CDAC10	0.474449137
ILMN_1806956	ATAD5	0.453334248	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1794951	SLC39A5	0.474554027
ILMN_1815652	O1/011 and J2K	0.45308729	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_2042463	SHMT1	0.474559778
ILMN_1727917	FAM262	0.452860364	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_2179018	NDUFAB1	0.474937016
ILMN_1757019	NTN1	0.452738855	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_2183216	TOP2D	0.474952153
ILMN_1755589	DIP2B	0.452680461	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1724893	CTK1D	0.47522561
ILMN_1903565	GNAA1	0.452672677	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_2253803	GRFA1	0.475392086
ILMN_1699348	MS4A4E	0.452434004	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1712515	CHKA	0.475397895
ILMN_1712515	LOC101920452	0.452434004	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1709979	ACDM1	0.475402049
ILMN_2257015	AGE1	0.452369798	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1726749	APTR7	0.475532381
ILMN_1715547	HNRNP4A1	0.452302743	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1871361	AK7X7278	0.475557001
ILMN_2059744	IL7	0.452256994	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1677962	GPNN	0.47562778
ILMN_1911042	PIP4K2A	0.452023346	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1812073	ATP9V1	0.476129953
ILMN_1735467	PIP1L2	0.452059592	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1737561	N4BP2	0.476132557
ILMN_1793517	RASAL1	0.452059448	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1803774	STK16	0.476246623
ILMN_1676928	PRMRD6	0.451980801	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1778617	TAIF9	0.476257575
ILMN_1806320	PPRFB1	0.451812455	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1755352	TUB	0.476976412
ILMN_1771057	XAB1	0.451737153	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1813860	NUPR1	0.4772747
ILMN_1790162	ZC3H11A	0.451485196	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_2058512	PSMA2	0.477321028
ILMN_1671111	ZBP65	0.451440317	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1709339	LOC101920452	0.477355872
ILMN_1726749	RF5	0.451440331	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1709339	RF5	0.477355872
ILMN_3238800	AAA2L3	0.451200258	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1729965	Cxorf166	0.477502047
ILMN_1801383	SMG1	0.451236636	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1916599	LOC100133985	0.477534594
ILMN_1698144	CFH	0.451194786	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1809077	RPKF1B	0.477537939
ILMN_1742001	CD169	0.451090476	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_2375364	RPNS1	0.477680556
ILMN_1715716	HUAT	0.450906584	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_2191634	RP137	0.477875313
ILMN_2167416	MRI1	0.450800896	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_2231911	AUH1	0.479014953
ILMN_2264008	LOC101920432	0.450739239	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1779311	LOC101920434	0.479216724
ILMN_3237952	CDC27	0.449704603	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_2130468	ENPF7	0.479308219
ILMN_1678841	UBD	0.449533898	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1881937	LOC101920438	0.479448459
ILMN_1807277	IFI30	0.449577291	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1765158	HEATR4	0.479625113
ILMN_2373831	BTN3A3	0.449406325	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1777813	A3K3	0.479643671
ILMN_1665219	LTBP1	0.449341699	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_2354269	FAM164C	0.480058282
ILMN_3231881	PTMA	0.449308018	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1762033	NAPPL2	0.480060009
ILMN_1666444	RBMS1	0.449302623	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1659214	CTXN4	0.480202569
ILMN_3246292	PLPL3A	0.449267272	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1810641	ELMOD1	0.480404766
ILMN_1791478	MTRP1	0.449039022	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_3307772	PACIN2	0.480672047
ILMN_2391150	UHL1	0.447405083	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1783334	C16orf11	0.480820079
ILMN_1803036	TARBP1	0.447318586	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1659313	BTG1	0.480858973
ILMN_1815261	P01A	0.447277622	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1657602	GFAP1	0.480853377
ILMN_1740911	AC02138	0.447236138	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1745013	LDHC	0.481232356
ILMN_1800051	AC02138	0.446550798	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1709247	PPR26B18	0.481722349
ILMN_3248076	CXO40	0.446553265	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_3302625	DAG66216	0.481853794
ILMN_1736700	ALDOA	0.446526308	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_2276464	MARP2	0.482149321
ILMN_1783406	MULS	0.446474916	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1785821	TOP2D	0.482200079
ILMN_1748290	FAM175A	0.447546075	GO:0000000	regulation of DNA metabolic process	10	2.40E-01	9.90E-01	ILMN_1718054	SORBS2	0.482563336
ILMN_18029340										

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ILMN_2179083	LOXL4	0.445628691
ILMN_1778360	PYGB	0.445612914
ILMN_1756260	RP56K4	0.445574738
ILMN_1704294	CDH3	0.445524382
ILMN_1656291	TSKS	0.445412864
ILMN_1688707	CAP2A2	0.445310708
ILMN_1655415	SAR3D	0.445300135
ILMN_1740404	PRDM1	0.445104553
ILMN_2173004	RAB8B	0.444991827
ILMN_2278363	CUX1	0.444755064
ILMN_2345333	LST1	0.444655906
ILMN_1763232	HIF1A	0.444563587
ILMN_1782977	UBAS2	0.44439862
ILMN_2313151	MBNL1	0.442696661
ILMN_1760368	LTN1	0.442433049
ILMN_2098616	C5orf39	0.442413151
ILMN_1767323	MDR1X	0.442404774
ILMN_1780408	PWCBP4	0.443371334
ILMN_1652412	PWKB	0.443748032
ILMN_3289508	CRG6TQ9	0.443649544
ILMN_1686097	TOP2A	0.443526383
ILMN_1735511	GOLGA3	0.443261372
ILMN_2386001	MPZL1	0.443253764
ILMN_1694913	LM03	0.442734263
ILMN_1778096	FICD	0.442714305
ILMN_2232177	ACTN1	0.442623692
ILMN_1767320	PGRCE5	0.442435044
ILMN_1740408	PRDM1	0.442131942
ILMN_1778144	SLC40A1	0.442032615
ILMN_2383964	DCDA4	0.44020507
ILMN_2402341	MAPK3	0.440212153
ILMN_1755173	PLEKH4A	0.441091209
ILMN_2342579	IL7R	0.441898579
ILMN_1724059	GS2L1	0.441891191
ILMN_2077795	CTDP2L	0.441825246
ILMN_1711792	GPBP1	0.441538966
ILMN_1687020	NEIL1	0.441363723
ILMN_1745508	PNMT	0.441093435
ILMN_1759154	PABP1	0.44088579
ILMN_2114720	SLP1	0.440881117
ILMN_1700081	FST	0.440838243
ILMN_1728677	CREB5	0.440556315
ILMN_1847370	FAM168A	0.440511603
ILMN_2066849	FAM26F	0.440508234
ILMN_1697020	STYX	0.440441227
ILMN_3235514	GPR183	0.440395974
ILMN_1676232	SRGAP2C	0.440394956
ILMN_1652310	PTENP2	0.440321176
ILMN_1652313	RNF215	0.440217218
ILMN_2106331	H3F3A	0.4402056216
ILMN_1656670	H3A-G	0.440103133
ILMN_2058782	IF27	0.439939311
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ILMN_1681161	CTC6P1	0.439874046
ILMN_2152177	LPGAT1	0.439852291
ILMN_1785004	NC4	0.4397789606
ILMN_1683883	TRPC6C	0.439690024
ILMN_1728639	PTENP2	0.439421045
ILMN_1733771	UBE2Z	0.439303883
ILMN_1766916	RRAP3	0.439070101
ILMN_1767556	C10orf10	0.438985167
ILMN_1655137	ZCHC11	0.438910311
ILMN_1670137	FADS1	0.438907852
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ILMN_1705892	SH2D1A	0.438714921
ILMN_2203271	FPR3	0.438566056
ILMN_2413779	SEZ6L	0.438332268
ILMN_1683978	PTENP2	0.438285588
ILMN_2364174	CSNK1A1	0.438207647
ILMN_3289171	RPS27	0.437948746
ILMN_1739770	MED7	0.437937352
ILMN_1713182	C3	0.43781040
ILMN_1731714	CREB5	0.437618078
ILMN_1776464	PARP9	0.437488843
ILMN_1772074	C19orf151	0.437417167
ILMN_1811702	GRN	0.437406644
ILMN_1768850	PTENP2	0.437395355
ILMN_1794196	DG32	0.437324182
ILMN_1768895	CTSK	0.437080467
ILMN_1683597	RPL23A	0.437047873
ILMN_1745522	PTF4V1	0.436398794
ILMN_2219262	ITPR1P2	0.4363817642
ILMN_1708858	CSNK1E	0.4363752795
ILMN_1711899	ANXA2	0.4363657658
ILMN_2376109	PSMB9	0.4363599725
ILMN_1768850	GRB7	0.436359758
ILMN_1656201	PTENP2	0.435948531
ILMN_1724407	TACC3	0.435703097
ILMN_220892	IL10RB	0.435682228
ILMN_1668039	GYPC	0.435618056
ILMN_1709051	C19orf50	0.435581155
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ILMN_1690105	STAT1	0.434380697
ILMN_1715500	SS18L1	0.434375963
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