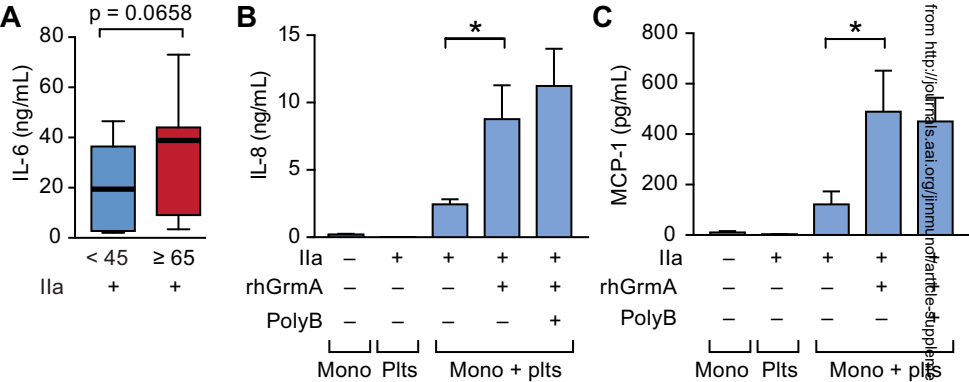


Supplemental Figure 1. Surface expression markers in isolated platelets and monocytes.

Platelets and monocytes were isolated from human subjects, as described in the methods. **(Panel A)** Platelets were stained with CD41, for α IIB (right panel), or with an IgG isotype control (left panel). **(Panel B)** Monocytes were stained with CD14 (right panel) or with an IgG isotype control (left panel). **(Panels C-E)**. Gating strategy for investigating the percentage of P-selectin positive cells (CD62p) in whole blood. Whole blood was drawn from human subjects and stained with CD62p, for P-selectin. Shown is the gating strategy used to detect CD62p on isolated platelets with CD41 for α IIB, a platelet specific surface marker.

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Supplemental Figure 2. IL-6 synthesis is increased in older subjects and Granzyme A induced synthesis of IL-8 and MCP-1 is independent of LPS. (Panel A) Platelets and monocytes were isolated from younger (age < 45 years, n = 10) or older (age ≥ 65 years, n = 15) subjects. Autologous cells were allowed to incubate overnight (t = 18 hours) in the presence of thrombin (0/1 U/mL). IL-6 was measured by ELISA in harvested supernatants. **(Panels B-C)** Monocytes and platelets were isolated from younger adults. In some conditions, human recombinant granzyme A (rhGrmA, 100 nM final) was added in the presence or absence of polymyxin B (PolyB, 10 μg/mL) in sufficient concentration to bind and inactivate LPS. Granzyme A induced IL-8 **(Panel B)** and MCP-1 **(Panel C)** synthesis was independent of polymyxin B (**p* < 0.05, n = 3 independent experiments).

Supplement Table 1. List of differentially expressed mRNAs from next-generation platelet RNA-sequencing

Gene ID	Gene Name	Log2 Fold-Change	P-Value (Nominal)
ENSG00000181031	RPH3AL	2.662	1.31E-09
ENSG00000141736	ERBB2	2.233	3.39E-06
ENSG00000168758	SEMA4C	2.180	4.99E-06
ENSG00000225143	NA	2.167	5.89E-07
ENSG00000180739	S1PR5	2.105	1.94E-05
ENSG00000100385	IL2RB	2.091	5.18E-06
ENSG00000211766	TRBJ2-2P	2.075	7.85E-05
ENSG00000205336	GPR56	2.059	2.21E-05
ENSG00000133067	LGR6	2.048	3.76E-05
ENSG00000171596	NMUR1	2.025	3.63E-05
ENSG00000159674	SPON2	2.008	5.11E-05
ENSG00000186827	TNFRSF4	1.997	5.07E-05
ENSG00000150687	PRSS23	1.986	2.50E-05
ENSG00000181877	AC092535.1	1.963	6.16E-05
ENSG00000153563	CD8A	1.929	6.32E-05
ENSG00000115085	ZAP70	1.911	6.91E-05
ENSG00000212339	NA	1.907	2.37E-04
ENSG00000139182	CLSTN3	1.899	6.89E-05
ENSG00000224376	AC017104.6	1.887	2.50E-04
ENSG00000229993	NA	1.877	3.85E-04
ENSG00000096433	ITPR3	1.873	1.30E-04
ENSG00000180644	PRF1	1.861	1.47E-04
ENSG00000135127	CCDC64	1.860	1.49E-04
ENSG00000234389	AC007278.3	1.859	7.69E-05
ENSG00000185920	PTCH1	1.849	4.82E-05
ENSG00000141622	RNF165	1.847	2.14E-04
ENSG00000139194	RBP5	1.846	3.85E-04
ENSG00000212352	NA	1.836	3.88E-04
ENSG00000178573	MAF	1.830	8.93E-05
ENSG00000103522	IL21R	1.829	1.02E-04
ENSG00000198821	CD247	1.829	1.44E-04
ENSG00000075234	TTC38	1.813	6.32E-05
ENSG00000100450	GZMH	1.798	2.55E-04
ENSG00000163564	PYHIN1	1.792	9.09E-05
ENSG00000100453	GZMB	1.791	1.41E-04
ENSG00000205045	SLFN12L	1.779	3.85E-04
ENSG00000130787	HIP1R	1.773	1.96E-04
ENSG00000073350	LLGL2	1.771	4.92E-04
ENSG00000099889	ARVCF	1.736	7.47E-04
ENSG00000181847	TIGIT	1.734	1.82E-04
ENSG00000007402	CACNA2D2	1.729	6.37E-04
ENSG00000173200	PARP15	1.728	2.10E-04
ENSG00000107331	ABCA2	1.721	5.23E-04
ENSG00000139626	ITGB7	1.718	4.24E-04
ENSG00000143842	SOX13	1.712	2.72E-04
ENSG00000178498	DTX3	1.707	6.91E-04
ENSG00000226864	RP11-500G22.2	1.704	1.27E-03
ENSG00000213402	PTPRCAP	1.701	4.15E-04
ENSG00000027869	SH2D2A	1.693	1.16E-04
ENSG00000142173	COL6A2	1.688	1.04E-03
ENSG00000096996	IL12RB1	1.683	5.45E-04
ENSG00000135362	PRR5L	1.681	1.82E-04
ENSG00000198719	DLL1	1.678	1.11E-03
ENSG00000206190	ATP10A	1.675	6.71E-04

Gene ID	Gene Name	Log2 Fold-Change	P-Value (Nominal)
ENSG00000137501	SYTL2	1.674	1.01E-04
ENSG00000021762	OSBPL5	1.671	4.54E-04
ENSG00000121716	PILRB	1.670	3.73E-04
ENSG00000147168	IL2RG	1.666	5.57E-04
ENSG00000006075	CCL3	1.660	8.69E-04
ENSG00000156453	PCDH1	1.655	1.09E-03
ENSG00000020633	RUNX3	1.654	6.26E-04
ENSG00000174080	CTSF	1.651	8.03E-04
ENSG00000005448	WDR54	1.648	1.02E-03
ENSG00000168421	RHOH	1.648	7.89E-04
ENSG00000167633	KIR3DL1	1.638	9.28E-04
ENSG00000129277	CCL4	1.633	6.79E-04
ENSG00000154760	SLFN13	1.628	2.97E-04
ENSG00000232434	C9orf172	1.628	1.20E-03
ENSG00000005379	BZRAP1	1.622	5.08E-04
ENSG00000170989	S1PR1	1.620	6.98E-04
ENSG00000115523	GPLY	1.620	1.61E-04
ENSG00000196374	HIST1H2BM	1.607	2.24E-03
ENSG00000149294	NCAM1	1.595	6.10E-04
ENSG00000162676	GFI1	1.591	1.06E-03
ENSG00000168060	NAALADL1	1.586	1.18E-03
ENSG00000162729	IGSF8	1.586	1.11E-03
ENSG00000235576	AC092580.4	1.582	1.30E-03
ENSG00000101665	SMAD7	1.578	7.86E-04
ENSG00000036448	MYOM2	1.577	1.83E-03
ENSG00000197471	SPN	1.568	1.17E-03
ENSG00000167775	CD320	1.566	1.29E-03
ENSG00000162739	SLAMF6	1.560	6.92E-04
ENSG00000140545	MFGE8	1.556	1.19E-03
ENSG00000116824	CD2	1.552	1.31E-03
ENSG00000148019	CEP78	1.551	8.05E-04
ENSG00000130940	CASZ1	1.551	2.14E-03
ENSG00000211770	TRBJ2-6	1.550	3.35E-03
ENSG00000085563	ABCB1	1.549	7.38E-04
ENSG00000186891	TNFRSF18	1.547	2.33E-03
ENSG00000182173	TSEN54	1.546	5.41E-04
ENSG00000073861	TBX21	1.539	1.25E-03
ENSG00000218226	TATDN2P2	1.538	2.13E-03
ENSG00000185885	IFITM1	1.538	1.54E-03
ENSG00000134545	KLRC1	1.533	2.43E-03
ENSG00000124256	ZBP1	1.531	2.02E-03
ENSG00000105374	NKG7	1.530	1.03E-03
ENSG00000167984	NLRC3	1.528	4.37E-04
ENSG00000102837	OLFM4	1.528	1.43E-03
ENSG00000185022	MAFF	1.527	1.90E-03
ENSG00000161395	PGAP3	1.522	1.06E-03
ENSG00000189430	NCR1	1.522	2.75E-03
ENSG00000104490	NCALD	1.521	1.65E-03
ENSG00000168329	CX3CR1	1.511	1.62E-03
ENSG00000119650	IFT43	1.508	3.54E-03
ENSG00000167508	MVD	1.505	1.15E-03
ENSG00000164047	CAMP	1.497	2.71E-03
ENSG00000174600	CMKLR1	1.489	2.81E-03
ENSG00000159733	ZFYVE28	1.487	3.15E-03
ENSG00000008438	PGLYRP1	1.480	4.29E-03
ENSG00000148362	C9orf142	1.479	2.54E-03
ENSG00000226778	NA	1.478	5.17E-03

Gene ID	Gene Name	Log2 Fold-Change	P-Value (Nominal)
ENSG00000137441	FGFBP2	1.477	2.10E-03
ENSG00000130827	PLXNA3	1.476	2.65E-03
ENSG00000004777	ARHGAP33	1.475	2.26E-03
ENSG00000205810	KLRC3	1.472	3.42E-03
ENSG00000203896	LIME1	1.472	2.50E-03
ENSG00000213809	KLRK1	1.465	3.02E-03
ENSG00000175093	SPSB4	1.464	2.08E-03
ENSG00000142102	ATHL1	1.462	3.68E-03
ENSG00000104731	KLHDC4	1.460	2.52E-03
ENSG00000115607	IL18RAP	1.456	1.94E-03
ENSG00000056558	TRAF1	1.455	2.56E-03
ENSG00000182325	FBXL6	1.454	4.03E-03
ENSG00000110651	CD81	1.453	1.94E-03
ENSG00000176845	METRNL	1.452	5.17E-03
ENSG00000103326	SOLH	1.450	1.98E-03
ENSG00000211768	TRBJ2-4	1.446	5.05E-03
ENSG00000167664	TMIGD2	1.445	2.99E-03
ENSG00000182866	LCK	1.440	2.26E-03
ENSG00000196684	HSH2D	1.437	3.58E-03
ENSG00000181036	FCRL6	1.436	3.02E-03
ENSG00000163508	EOMES	1.434	2.15E-03
ENSG00000127152	BCL11B	1.430	3.61E-03
ENSG00000145649	GZMA	1.430	2.89E-03
ENSG00000185697	MYBL1	1.429	1.80E-03
ENSG00000169252	ADRB2	1.428	5.63E-03
ENSG00000225864	HCG4P11	1.427	5.65E-03
ENSG00000167543	TP53I13	1.424	5.28E-03
ENSG00000196839	ADA	1.420	2.72E-03
ENSG00000189319	FAM53B	1.419	2.55E-03
ENSG00000237683	RP11-34P13.11	1.416	2.40E-03
ENSG00000163453	IGFBP7	1.412	3.16E-03
ENSG00000058453	CROCC	1.411	2.13E-03
ENSG00000178971	CTC1	1.405	3.88E-03
ENSG00000107742	SPOCK2	1.402	6.80E-03
ENSG00000135469	COQ10A	1.401	4.60E-03
ENSG00000168056	LTBP3	1.398	4.24E-03
ENSG00000141524	TMC6	1.396	3.62E-03
ENSG00000005844	ITGAL	1.396	2.24E-03
ENSG00000054654	SYNE2	1.395	2.09E-03
ENSG00000135736	CCDC102A	1.388	4.98E-03
ENSG00000114388	NPRL2	1.387	3.51E-03
ENSG00000172575	RASGRP1	1.385	2.42E-03
ENSG00000069667	RORA	1.385	4.82E-03
ENSG000000082512	TRAF5	1.381	3.93E-03
ENSG00000156711	MAPK13	1.379	2.23E-03
ENSG00000225032	RP11-228B15.4	1.379	5.20E-03
ENSG00000183542	KLRC4	1.377	5.80E-03
ENSG00000158006	PAFAH2	1.377	4.01E-03
ENSG00000007264	MATK	1.376	4.11E-03
ENSG00000122188	LAX1	1.375	7.05E-03
ENSG00000108292	MLLT6	1.374	3.30E-03
ENSG00000159753	RLTPR	1.371	4.30E-03
ENSG00000184381	PLA2G6	1.370	4.81E-03
ENSG000000012223	LTF	1.369	6.08E-03
ENSG00000105122	RASAL3	1.369	3.34E-03
ENSG00000167851	CD300A	1.366	4.38E-03
ENSG00000179979	CRIPAK	1.362	3.72E-03

Gene ID	Gene Name	Log2 Fold-Change	P-Value (Nominal)
ENSG00000174996	KLC2	1.359	2.33E-03
ENSG00000159618	GPR114	1.358	6.59E-03
ENSG00000161405	IKZF3	1.357	7.35E-03
ENSG00000141458	NPC1	1.357	1.30E-03
ENSG00000198286	CARD11	1.351	4.05E-03
ENSG00000127586	CHTF18	1.349	4.24E-03
ENSG00000004468	CD38	1.349	6.12E-03
ENSG00000119714	GPR68	1.348	5.82E-03
ENSG00000160318	CLDND2	1.346	8.22E-03
ENSG00000177721	C5orf39	1.345	4.82E-03
ENSG00000153395	LPCAT1	1.343	4.48E-03
ENSG00000026751	SLAMF7	1.342	8.33E-03
ENSG00000113263	ITK	1.342	5.27E-03
ENSG00000154451	GBP5	1.341	3.37E-03
ENSG00000198574	SH2D1B	1.340	5.17E-03
ENSG00000078687	TNRC6C	1.339	2.69E-03
ENSG00000226210	ABC7-42389800N19.1	1.338	1.03E-03
ENSG00000187961	KLHL17	1.333	9.05E-03
ENSG00000071575	TRIB2	1.331	6.35E-03
ENSG00000175463	TBC1D10C	1.329	8.10E-03
ENSG00000107317	PTGDS	1.327	1.08E-02
ENSG00000069493	CLEC2D	1.326	3.00E-03
ENSG00000101224	CDC25B	1.326	3.75E-03
ENSG00000160072	ATAD3B	1.323	9.05E-03
ENSG00000101445	PPP1R16B	1.323	3.54E-03
ENSG00000178685	PARP10	1.322	4.95E-03
ENSG00000006025	OSBPL7	1.322	5.99E-03
ENSG00000206549	PRSS50	1.320	9.93E-03
ENSG00000140463	BBS4	1.313	1.16E-02
ENSG00000154734	ADAMTS1	1.312	9.20E-03
ENSG00000130511	SSBP4	1.310	6.01E-03
ENSG00000196476	C20orf96	1.309	4.77E-03
ENSG00000198792	TMEM184B	1.308	5.28E-03
ENSG00000103264	FBXO31	1.308	6.61E-03
ENSG00000120662	MTRF1	1.307	7.06E-03
ENSG00000117394	SLC2A1	1.305	5.43E-03
ENSG00000177337	AP002478.1	1.303	3.98E-04
ENSG00000183734	ASCL2	1.302	9.13E-03
ENSG00000166289	PLEKHF1	1.299	8.29E-03
ENSG00000126264	HCST	1.297	5.46E-03
ENSG00000236525	AC007278.2	1.296	9.09E-03
ENSG00000158321	AUTS2	1.294	9.96E-03
ENSG00000235999	RP11-403I13.8	1.293	5.85E-03
ENSG00000108556	CHRNE	1.287	4.76E-03
ENSG00000196358	NTNG2	1.281	1.15E-02
ENSG00000175066	GK5	1.279	1.15E-02
ENSG00000158805	ZNF276	1.279	4.54E-03
ENSG00000134324	LPIN1	1.277	3.29E-03
ENSG00000180902	D2HGDH	1.277	6.64E-03
ENSG00000099849	RASSF7	1.275	1.00E-02
ENSG00000167992	VWCE	1.275	1.10E-02
ENSG00000099821	POLRMT	1.273	1.05E-02
ENSG00000007350	TKTL1	1.271	9.39E-03
ENSG00000229813	RP4-740C4.4	1.270	1.61E-02
ENSG00000187688	TRPV2	1.269	1.06E-02
ENSG00000111371	SLC38A1	1.267	7.18E-03
ENSG00000027075	PRKCH	1.266	4.24E-03

Gene ID	Gene Name	Log2 Fold-Change	P-Value (Nominal)
ENSG00000207567	MIR142	1.265	1.50E-02
ENSG00000148824	MTG1	1.263	2.43E-03
ENSG00000171476	HOPX	1.259	5.85E-03
ENSG00000162894	FAIM3	1.258	1.02E-02
ENSG00000108963	DPH1	1.257	1.33E-02
ENSG00000072818	ACAP1	1.255	8.78E-03
ENSG00000198917	C9orf114	1.255	7.05E-03
ENSG00000169991	IFFO2	1.253	9.08E-03
ENSG00000101695	RNF125	1.250	6.63E-03
ENSG00000171604	CXXC5	1.248	8.30E-03
ENSG00000081059	TCF7	1.247	1.20E-02
ENSG00000132879	FBXO44	1.245	1.69E-02
ENSG00000183718	TRIM52	1.245	6.62E-03
ENSG00000187193	MT1X	1.243	1.54E-02
ENSG00000059573	ALDH18A1	1.239	1.09E-02
ENSG00000234290	AC116366.6	1.237	1.18E-02
ENSG00000085998	POMGNT1	1.237	1.57E-02
ENSG00000197536	C5orf56	1.236	1.85E-03
ENSG00000006530	AGK	1.227	5.31E-03
ENSG00000142765	SYTL1	1.221	1.66E-02
ENSG00000130810	PPAN	1.217	1.30E-02
ENSG00000169583	CLIC3	1.216	1.40E-02
ENSG00000184682	C11orf89	1.216	1.43E-02
ENSG00000128159	TUBGCP6	1.214	8.54E-03
ENSG00000206805	YRNA	1.213	2.08E-02
ENSG00000207556	MIR636	1.213	2.13E-02
ENSG00000205560	CPT1B	1.213	1.21E-02
ENSG00000168763	CNNM3	1.212	1.02E-02
ENSG00000177542	SLC25A22	1.211	1.31E-02
ENSG00000171163	ZNF692	1.210	6.80E-03
ENSG00000204165	CXorf65	1.208	1.93E-02
ENSG00000196139	AKR1C3	1.207	1.15E-02
ENSG00000173917	HOXB2	1.206	1.66E-02
ENSG00000175048	ZDHHC14	1.205	7.50E-03
ENSG00000134539	KLRD1	1.204	9.03E-03
ENSG00000185187	SIGIRR	1.202	1.09E-02
ENSG00000189190	ZNF600	1.202	1.96E-02
ENSG00000124608	AARS2	1.202	2.01E-02
ENSG00000085978	ATG16L1	1.198	1.20E-02
ENSG00000177595	PIDD	1.197	1.64E-02
ENSG00000074582	BCS1L	1.196	9.27E-03
ENSG00000164483	SAMD3	1.196	8.43E-03
ENSG00000130038	EFCAB4B	1.195	1.60E-02
ENSG00000104043	ATP8B4	1.193	4.77E-03
ENSG00000168209	DDIT4	1.193	1.79E-02
ENSG00000133460	SLC2A11	1.192	2.71E-03
ENSG00000005381	MPO	1.190	1.36E-02
ENSG00000132182	NUP210	1.190	8.17E-03
ENSG00000215252	GOLGA8B	1.188	2.09E-02
ENSG00000134262	AP4B1	1.188	1.07E-02
ENSG00000125384	PTGER2	1.184	1.54E-02
ENSG00000185163	DDX51	1.184	2.29E-02
ENSG00000074966	TXK	1.182	3.70E-03
ENSG00000213906	LTB4R2	1.181	1.60E-02
ENSG00000168016	TRANK1	1.179	1.10E-02
ENSG00000205744	DENND1C	1.177	1.29E-02
ENSG00000127980	PEX1	1.176	8.92E-03

Gene ID	Gene Name	Log2 Fold-Change	P-Value (Nominal)
ENSG00000224298	AC069363.1	1.176	2.54E-02
ENSG00000101474	C20orf3	1.170	5.71E-03
ENSG00000137337	MDC1	1.170	9.33E-03
ENSG00000132600	PRMT7	1.169	1.40E-02
ENSG00000125498	KIR2DL1	1.167	2.62E-02
ENSG00000155363	MOV10	1.167	9.15E-03
ENSG00000064687	ABCA7	1.166	5.61E-03
ENSG00000100027	YPEL1	1.164	4.50E-03
ENSG00000124181	PLCG1	1.163	1.38E-02
ENSG00000068028	RASSF1	1.159	4.60E-03
ENSG00000183696	UPP1	1.158	8.79E-03
ENSG00000180900	SCRIB	1.154	7.95E-03
ENSG00000145214	DGKQ	1.152	1.24E-02
ENSG00000111203	ITFG2	1.151	2.67E-02
ENSG00000101104	PABPC1L	1.149	2.41E-02
ENSG00000113088	GZMK	1.149	2.05E-02
ENSG00000058668	ATP2B4	1.146	1.91E-02
ENSG00000148400	NOTCH1	1.146	1.17E-02
ENSG00000231936	NA	1.146	2.98E-02
ENSG00000179087	MGAM	1.146	2.64E-02
ENSG00000140398	NEIL1	1.143	2.03E-02
ENSG00000076604	TRAF4	1.143	2.21E-02
ENSG00000135077	HAVCR2	1.142	7.46E-03
ENSG00000133134	BEX2	1.142	2.94E-02
ENSG00000128016	ZFP36	1.140	2.24E-02
ENSG00000108798	ABI3	1.140	1.56E-02
ENSG00000137070	IL11RA	1.140	2.93E-02
ENSG00000238120	CTA-941F9.9	1.139	3.11E-02
ENSG00000184551	AC132872.1	1.135	3.18E-02
ENSG00000114395	CYB561D2	1.135	1.48E-02
ENSG00000140688	C16orf58	1.135	2.06E-02
ENSG00000160932	LY6E	1.134	1.22E-02
ENSG00000100023	PPIL2	1.133	1.73E-02
ENSG00000165684	SNAPC4	1.132	1.77E-02
ENSG00000177192	PUS1	1.131	2.70E-02
ENSG00000108669	CYTH1	1.131	1.70E-02
ENSG00000185745	IFIT1	1.128	2.25E-02
ENSG00000118971	CCND2	1.128	1.19E-02
ENSG00000185669	SNAI3	1.127	3.01E-02
ENSG00000168434	COG7	1.127	2.05E-02
ENSG00000124574	ABCC10	1.122	2.60E-02
ENSG00000200259	SNORD35A	1.122	2.52E-02
ENSG00000143554	SLC27A3	1.121	2.07E-02
ENSG00000230149	RP3-508I15.19	1.121	3.40E-02
ENSG00000168792	ABHD15	1.119	1.29E-02
ENSG00000185347	C14orf80	1.119	2.55E-02
ENSG00000133250	ZNF414	1.118	1.45E-02
ENSG00000124659	TBCC	1.118	1.64E-02
ENSG00000106948	AKNA	1.117	2.25E-02
ENSG00000086506	HBQ1	1.117	1.79E-03
ENSG00000171101	AC063977.1	1.116	2.48E-02
ENSG00000127418	FGFRL1	1.115	2.64E-02
ENSG00000100949	RABGGTA	1.113	1.41E-02
ENSG00000126246	IGFLR1	1.113	1.06E-02
ENSG00000131018	SYNE1	1.111	9.42E-03
ENSG00000198133	TMEM229B	1.111	2.33E-02
ENSG00000114423	CBLB	1.108	1.31E-02

Gene ID	Gene Name	Log2 Fold-Change	P-Value (Nominal)
ENSG00000174165	ZDHHC24	1.108	1.09E-02
ENSG00000105135	ILVBL	1.106	2.72E-02
ENSG00000136059	VILL	1.106	2.52E-02
ENSG00000108771	DHX58	1.105	2.37E-02
ENSG00000105519	CAPS	1.105	2.25E-02
ENSG00000163993	S100P	1.105	3.23E-02
ENSG00000116663	FBXO6	1.103	2.68E-02
ENSG00000235878	AP001468.1	1.102	3.66E-02
ENSG00000134014	ELP3	1.102	1.24E-02
ENSG00000105655	ISYNA1	1.100	2.23E-02
ENSG00000197530	MIB2	1.099	7.33E-03
ENSG00000169660	HEXDC	1.099	1.13E-02
ENSG00000231074	HCG18	1.093	1.01E-02
ENSG00000125637	PSD4	1.091	1.58E-02
ENSG00000238881	SCARNA2	1.089	3.09E-02
ENSG00000126709	IFI6	1.089	1.54E-02
ENSG00000204282	AC021593.1	1.089	3.49E-02
ENSG00000108773	KAT2A	1.088	2.17E-02
ENSG00000048028	USP28	1.088	1.38E-02
ENSG00000065802	ASB1	1.086	2.39E-02
ENSG00000221963	APOL6	1.086	2.61E-02
ENSG00000223496	EXOSC6	1.085	2.11E-02
ENSG00000117280	RAB7L1	1.085	2.03E-02
ENSG00000165282	PIGO	1.084	1.70E-02
ENSG00000121281	ADCY7	1.081	2.66E-02
ENSG00000172183	ISG20	1.081	2.74E-02
ENSG00000172232	AZU1	1.079	1.30E-02
ENSG00000181035	SLC25A42	1.079	2.30E-02
ENSG00000143179	UCK2	1.079	3.93E-02
ENSG00000111801	BTN3A3	1.078	1.03E-02
ENSG00000112763	BTN2A1	1.078	3.23E-02
ENSG00000090104	RGS1	1.077	3.38E-02
ENSG00000132361	KIAA0664	1.077	3.02E-02
ENSG00000075914	EXOSC7	1.075	2.58E-02
ENSG00000100413	POLR3H	1.075	1.71E-02
ENSG00000148399	WDR85	1.074	3.02E-02
ENSG00000164674	SYTL3	1.073	2.52E-02
ENSG00000100139	MICALL1	1.073	1.44E-02
ENSG00000150990	DHX37	1.072	2.55E-02
ENSG00000148843	PDCD11	1.071	2.52E-02
ENSG00000186866	POFUT2	1.070	2.14E-02
ENSG00000228274	RP3-508I15.9	1.070	3.53E-02
ENSG00000158555	GDPD5	1.070	2.54E-02
ENSG00000199753	SNORD104	1.070	4.30E-02
ENSG00000104814	MAP4K1	1.069	2.60E-02
ENSG00000168970	JMJD7-PLA2G4B	1.067	2.71E-02
ENSG00000185198	PRSS57	1.067	3.07E-02
ENSG00000156521	TYSND1	1.067	2.00E-02
ENSG00000233540	DNM3-IT1	1.066	3.85E-02
ENSG00000168995	SIGLEC7	1.065	3.43E-02
ENSG00000112592	TBP	1.063	3.17E-02
ENSG00000215041	NEURL4	1.062	3.49E-02
ENSG00000237669	HCG4P3	1.062	3.52E-02
ENSG00000184967	NOC4L	1.061	2.97E-02
ENSG00000166313	APBB1	1.061	2.53E-02
ENSG00000204536	CCHCR1	1.061	2.85E-02
ENSG00000172613	RAD9A	1.060	1.79E-02

Gene ID	Gene Name	Log2 Fold-Change	P-Value (Nominal)
ENSG00000199382	RNU12	1.059	4.44E-02
ENSG00000213445	SIPA1	1.056	2.06E-02
ENSG00000185112	FAM43A	1.056	3.53E-02
ENSG00000143851	PTPN7	1.055	1.47E-02
ENSG00000167615	LENG8	1.053	2.47E-02
ENSG00000047365	ARAP2	1.051	2.88E-02
ENSG00000165802	NELF	1.050	3.57E-02
ENSG00000134107	BHLHE40	1.050	3.20E-02
ENSG00000184164	CRELD2	1.049	3.77E-02
ENSG00000238164	RP3-395M20.8	1.049	2.36E-02
ENSG00000189227	C15orf61	1.047	4.21E-02
ENSG00000123329	ARHGAP9	1.046	3.70E-02
ENSG00000167083	GNGT2	1.045	2.70E-02
ENSG00000127580	WDR24	1.045	3.43E-02
ENSG00000173653	RCE1	1.044	2.71E-02
ENSG00000114841	DNAH1	1.044	3.04E-02
ENSG00000185201	IFITM2	1.043	4.11E-02
ENSG00000121310	ECHDC2	1.043	3.29E-02
ENSG00000100342	APOL1	1.042	4.03E-02
ENSG00000211765	TRBJ2-2	1.040	4.17E-02
ENSG00000090971	NAT14	1.039	4.18E-02
ENSG00000125731	SH2D3A	1.038	3.54E-02
ENSG00000138378	STAT4	1.037	3.61E-02
ENSG00000079263	SP140	1.034	3.67E-02
ENSG00000233927	RPS28	1.034	1.12E-02
ENSG00000185275	CD24P4	1.033	4.31E-02
ENSG00000176783	RUFY1	1.032	2.24E-02
ENSG00000141086	CTRL	1.032	4.40E-02
ENSG00000131242	RAB11FIP4	1.032	3.70E-02
ENSG00000143185	XCL2	1.030	4.25E-02
ENSG00000148296	SURF6	1.028	3.12E-02
ENSG00000215305	VPS16	1.027	1.18E-02
ENSG00000225576	NA	1.027	4.09E-02
ENSG00000215908	CROCCP2	1.026	3.77E-02
ENSG00000232347	RP11-488L18.8	1.024	3.91E-02
ENSG00000157353	FUK	1.023	4.66E-02
ENSG00000117226	GBP3	1.023	2.84E-02
ENSG00000081985	IL12RB2	1.021	4.07E-02
ENSG00000203747	FCGR3A	1.020	3.94E-02
ENSG00000204316	MRPL38	1.018	4.19E-02
ENSG00000100416	TRMU	1.017	4.15E-02
ENSG00000127528	KLF2	1.014	4.92E-02
ENSG00000141582	CBX4	1.014	4.04E-02
ENSG00000130589	RP4-697K14.7	1.013	4.22E-02
ENSG00000177606	JUN	1.013	4.64E-02
ENSG00000149262	INTS4	1.012	1.68E-02
ENSG00000136463	TACO1	1.012	4.08E-02
ENSG00000105607	GCDH	1.010	4.49E-02
ENSG00000197043	ANXA6	1.009	2.69E-02
ENSG00000186654	PRR5	1.009	3.71E-02
ENSG00000103168	TAF1C	1.008	3.92E-02
ENSG00000177548	RABEP2	1.008	3.51E-02
ENSG00000133316	WDR74	1.006	3.66E-02
ENSG00000133794	ARNTL	1.005	4.01E-02
ENSG00000171603	CLSTN1	1.005	2.84E-02
ENSG00000117560	FASLG	1.005	4.52E-02
ENSG00000167747	C19orf48	1.004	3.23E-02

Gene ID	Gene Name	Log2 Fold-Change	P-Value (Nominal)
ENSG00000159496	RGL4	1.003	3.78E-02
ENSG00000150045	KLRF1	1.002	2.86E-02
ENSG00000230207	RP11-87M1.1	-1.005	4.74E-02
ENSG00000180398	MCFD2	-1.010	1.40E-02
ENSG00000172915	NBEA	-1.013	2.41E-02
ENSG00000213029	SPHAR	-1.019	3.22E-02
ENSG00000230989	HSBP1	-1.025	1.21E-02
ENSG00000198162	MAN1A2	-1.030	3.33E-02
ENSG00000186310	NAP1L3	-1.035	3.98E-02
ENSG00000137710	RDX	-1.037	1.53E-02
ENSG00000205269	TMEM170B	-1.044	2.81E-02
ENSG00000171385	KCND3	-1.052	1.63E-02
ENSG00000167914	GSDMA	-1.054	3.92E-02
ENSG00000139289	PHLDA1	-1.056	2.03E-02
ENSG00000204920	ZNF155	-1.057	2.71E-02
ENSG00000196705	ZNF431	-1.073	2.44E-02
ENSG00000187391	MAGI2	-1.076	1.28E-02
ENSG00000203668	CHML	-1.083	1.81E-02
ENSG00000121101	TEX14	-1.091	9.82E-03
ENSG00000224576	NA	-1.104	3.21E-02
ENSG00000135045	C9orf40	-1.107	5.46E-03
ENSG00000170017	ALCAM	-1.109	3.90E-03
ENSG00000106546	AHR	-1.109	8.45E-03
ENSG00000122786	CALD1	-1.121	1.57E-03
ENSG00000156414	TDRD9	-1.139	7.25E-03
ENSG00000224228	RP1-15D23.2	-1.142	1.64E-02
ENSG00000218305	AC006024.4	-1.163	2.33E-02
ENSG00000205213	LGR4	-1.169	9.89E-03
ENSG00000119900	OGFRL1	-1.171	1.23E-03
ENSG00000229941	AC012499.1	-1.176	2.32E-02
ENSG00000106443	PHF14	-1.197	9.08E-03
ENSG00000226435	AC073135.1	-1.199	1.26E-02
ENSG00000204529	RP11-672A2.2	-1.205	2.26E-02
ENSG00000211935	IGHV1-3	-1.213	4.81E-03
ENSG00000211896	IGHG1	-1.214	1.42E-02
ENSG00000235070	AC068138.1	-1.222	1.94E-02
ENSG00000231841	RP11-206F17.2	-1.244	1.86E-02
ENSG00000229660	RP5-1142J19.1	-1.271	1.17E-02
ENSG00000149131	SERPING1	-1.282	5.12E-03
ENSG00000234782	RP11-442A13.1	-1.299	1.07E-02
ENSG00000116985	BMP8B	-1.319	7.74E-04
ENSG00000171033	PKIA	-1.345	2.31E-03
ENSG00000131711	MAP1B	-1.364	6.37E-03
ENSG00000160999	SH2B2	-1.371	4.39E-05
ENSG00000124275	MTRR	-1.381	4.01E-03
ENSG00000224070	HMGNI1P6	-1.447	5.83E-03
ENSG00000227850	SEPT2P1	-1.472	4.87E-03
ENSG00000224091	AC104389.16	-1.476	3.65E-03
ENSG00000217228	RP1-152L7.1	-1.494	4.72E-03
ENSG00000109272	PF4V1	-1.531	2.58E-04
ENSG00000224649	AF124730.4	-1.537	2.99E-03
ENSG00000212224	SNORA26	-1.552	2.98E-03
ENSG00000121570	DPPA4	-1.642	3.74E-05
ENSG00000237164	SLC25A15P2	-1.652	1.79E-03
ENSG00000198829	SUCNR1	-1.695	2.23E-04
ENSG00000225231	AC091814.2	-1.756	8.62E-04
ENSG00000182534	MXRA7	-1.766	5.31E-04

Gene ID	Gene Name	Log2 Fold-Change	P-Value (Nominal)
ENSG00000135426	KIAA0748	-1.906	8.24E-06
ENSG00000183386	FHL3	-2.297	3.52E-11
ENSG00000101638	ST8SIA5	-2.619	7.82E-08
ENSG00000237990	CNTN4-AS1	-2.903	6.74E-10

Supplement Table 2. Enriched gene ontology (GO) terms, pathways, or keywords¹

GO Term, Keyword, or KEGG Pathway²	Enrichment Score	Count³	Adjusted P-Value⁴
Immunity	5.41	32	2.7E-5
Adaptive Immunity	5.41	16	4.6E-4
Clathrin Binding	5.41	6	6.7E-3
Disulfide Bond	3.12	13	1.1E-3
Receptor	3.12	62	7.4E-4
Membrane	3.12	200	9.6E-4
Cell Membrane	3.12	91	4.0E-2
T Cell Receptor Signaling Pathway	2.33	11	1.4E-2
Immunoglobulin Domain	2.22	27	3.9E-3
Inflammatory Bowel Disease	1.80	10	2.5E-3
SH2 Domain	1.16	12	9.3E-4

¹ Identified by next generation RNA-seq in isolated platelets from older vs. younger adults (n=3 subjects/group).

² Only terms or pathways with a significant p-value (<0.05) after adjustment were included in this table.

³ Count refers to the number of transcripts.

⁴ P-value is adjusted for multiple comparisons (Benjamini-Hochberg).