Supplementary Table S1. Human Monocyte samples

	Human -Monocytes-Ampliseq				
	Male Age 51	Male Age 43	Female Age 47	Male Age28	Female Age 61
A. Amyloids and General Transcr					
Saa3(serum amyloid, apolipoprotein)	0	0	0	0	0
Saa1 (serum amyloid, apolipoprotein)	0	0	0	0	0
Saa2 (serum amyloid, apolipoprotein)	0	0	0	0	0
Saa4 (serum amyloid, apolipoprotein)	0	0	0	0	0
Actb (beta actin)	19693	21775	32168	14866	23328
Tcn2 (Transcobalmin)	21	29	48	10	15
Tln1 (Talin 1 cytoskeletal memb. con.)	248	135	88	51	74
Itsn1 (Intersectin 1 membrane traf.)	0.1	0	0	0.2	0.6
Grn (Granulin)	588	689	2558	682	1041
Bst1 (ADP-ribosyl cyclase 2)	100	88	4.2	16	19
Gda (Guanine deaminase)	0	0	0	0	0
Hamp (Hepsidin Iron import)	0.7	0	0.3	1.7	0.1
Ninj1 (Ninjurin 1 apoptosis signal?)	578	413	229	240	323
Hal (Histidine amonia lyase)	9	16	39	31	33
Hdc (Histidine decarboxylase	0	0	0.1	0	0.1
Hrg (Histidine rich glycoprotein)	0	0	0	0	0
B. Extracellular matrix					
Fn1 (Fibronectin)	0	0.1	0	0	0
Prg4 (Proteoglycan 4, Lubricin)	0	0	0	0	0
Srgn (Serglycin)	3855	3641	4976	1310	5214
Sdc3 (Syndecan 3)	5	2	6	6	7
Ecm1 (Extracellular matrix prot.1)	1	0.5	2	0	1
C. Anti-microbial proteins					
Lyz1 (Lysozyme)	27394	29951	11290	25335	16400
Defb (Beta-defensins)	0	0	0.2	0	0.1
Camp (Cathelicidin)	1	1	2	3.	2
Cybb (Cytochr.b-245 (Nox2) Cytb558)	1081	1684	1423	677	867
Padi4 (Peptidyl arg. deim. type IV)	77	61	51	100	31
Flnb (Filamin B fagocytosis)	9	10	10	10	9
Flna (Filamin A)	1175	520	803	201	494
Timd4 (Binds Phosph. serine apopt. c.)	0	0	0	0	0
D. Lipid mediators and metabolism					
Alox15 (Arachinodate 15 lipoxygenase)	0	0	0	0.3	0
Pla2g7 (Phosplipase A2)	15	3	149	17	26
Alox5ap (Arach. 5 lipoxyg. act prot.)	111	81	95	85	85
Ptgis (Prosaglandin I syntase)	0	0	0	0	0
Alox5 (Arachinodate 5 lipoxygenase)	190	188	101	467	154
Dpep2 (Dipeptidase 2 memb. b.)	77	93	47	88	85
ApoE (Apolipoprotein E)	2	0.5	15	4	0.6
Pltp (Phospholipid transfer protein)	1	1	3	0.5	1

Plin2 (Perilipin2 cytopl. lipid droplet b.)	777	250	762	91	718
Retnlb (Resistin like beta)	0	0	0	0	0
Smpdl3a (Sphingom. Pho.di. acid-l. 3)	3	4	5	1	5
Lipn (Lipase)	11	10	29	13	27
E. Complement proteins and their receptors					
Cfp (Compl. factor P, Properdin)	991	1017	1203	542	784
C1qa (Complement factor C1q A)	7	19	9	13	24
C1qb (Complement factor C1q B)	3	8	30	1	21
C1qc (Complement factor C1q C)	1	4	0.4	0.2	4
C4b (Complement factor 4B)	0.1	0.1	2	3	0.6
C4a (Complement factor 4A)	1	0.2	2	2	0.6
Cfh (Complement factor H)	0	0	0	0	0
Fcna (Ficolin A) (FCN1)	3198	2681	1284	1025	2183
Vsig4 (Comp C3b rec.)	5	4	9	1	5
C3 (Complement factor 3)	2	1	9	2	0.1
CFB (Complement factor B)	0.2	0.1	0.4	12	0
C2 (Comlement factor 2)	14	9	7	8	12
C3ar1 (C3a receptor)	41	23	48	4	14
F. Coagulation proteins					
F5 (Coagulation factor V)	40	28	8	20	19
F10 (Coagulation factor X)	0	0	0	0	0
F7 (Coagulation factor VII)	0	0	0	0	0
F12 (Coagulation factor XII)	1	1	0.4	6	0.4
F9 (Coagulation factor IX)	0	0	0	0	0
F2 (Thrombin)	0	0	0	0.3	0
G. Proteases					
Mmp19 (Matrix Metalloprotease 19)	1	1	37	0.5	0.4
Mmp9 (Matrix Metalloprotease 9)	9	1	50	11	0.4
Mmp27 (Matrix Metalloprotease 27)	0	0	0	0	0
Mmp12 (Matrix Metalloprotease 12)	0	0	0	0	0
H. Protease Inhibitors					
Cst3 (Cystatin C)	3704	4034	2667	2446	4906
SLPI (Secretory leukocyte prot inh.)	0.4	0	1	0.2	0.6
Serpinb2 (Serpin B2)	38	10	21	1	5
Timp2 (Metaloproteinase Inhibitor 2)	283	198	195	233	205
Timp1 (Metaloproteinase Inhibitor 1)	725	526	1871	153	533
Serpinb9 (Serpin B9)	111	59	23	28	16
I. Lysozomal proteins					
Laptm5 (Lysosomal memb. prot 5)	6180	2373	2042	682	2090
Psap (Prosaposin glycosphingolipids)	12296	11791	6862	4277	8850
Man2b1 (Alpha-mannosidase)	5	4	1	1	2
Ctsb (Cathepsin B)	814	422	1399	56	311
Ctsd (Cathespsin D)	1171	1110	4241	876	1163
Ctsl (Cathepsin L) (CTSL1)	19	11	430	18	28
Ctsa (Cathepsin A)	192	129	254	217	236
Ctss (Cathepsin S)	5290	5923	455	1024	2853
Ctsz (Cathepsin Z)	1415	928	682	280	1151
Ctsh (Cathepsin H)	329	425	251	127	336

Ctsc (Cathepsin C)	**145**	**172**	**29**	**62**	**118**
Ctso (Cathepsin O)	**9**	**14**	**3**	**3**	**11**
Ctsf (Cathepsin F)	**1**	**2**	**1**	**3**	**1.6**
Ctse (Cathepsin E)	**0**	**0**	**0**	**0**	**0**
J Immunoglobulin receptors					
Fcgrt (FcRN)	**380**	**243**	**65**	**129**	**104**
Fcgr1A (Fc gamma receptor 1)	**51**	**39**	**23**	**13**	**133**
Fcgr2b (Fc gamma receptor 2B)	**59**	**23**	**44**	**333**	**170**
Fcgr2a (Fc gamma receptor 2A)	**580**	**404**	**350**	**55**	**756**
Fcer1g (Fc-epsilon receptor gamma)	**1173**	**1426**	**1526**	**567**	**2096**
K. MHC Class I and II					
B2m (beta-2 microglobulin)	**5521**	**10399**	**4581**	**1885**	**11986**
HLA-A	**1548**	**1186**	**1598**	**420**	**383**
HLA-B	**6**	**8**	**3005**	**1780**	**39**
HLA-C	**2979**	**1265**	**3**	**403**	**5**
HLA-E	**2984**	**2412**	**3903**	**3178**	**3965**
HLA-DRB1	**3023**	**26**	**2126**	**1820**	**21**
HLA-DRA	**5490**	**7224**	**2592**	**934**	**6558**
HLA-DPA1	**2375**	**4872**	**2807**	**1656**	**5268**
HLA-DPB1	**1029**	**2162**	**978**	**551**	**1478**
HLA-DPB2	**0**	**0.4**	**0**	**0**	**0**
HLA-DQB2	**0**	**0**	**0**	**0**	**0.3**
HLA-DQA1	**103**	**6**	**285**	**86**	**9**
HLA-DQA2	**0**	**0.7**	**0**	**0**	**1**
L. Classical surface receptors/markers					
CD14	**1697**	**1633**	**1596**	**991**	**1525**
CD40	**6**	**11**	**25**	**10**	**19**
CD28	**1**	**0.7**	**1**	**0**	**0**
CD86 (B7-2)	**236**	**207**	**47**	**34**	**152**
CD80 (B7-1)	**2**	**0.4**	**14**	**2**	**1**
CD83 (activation marker for dendritic c.)	**18**	**19**	**362**	**44**	**39**
CD244 (KIR2DL4)	**31**	**49**	**70**	**63**	**53**
CD84 (Ig superfamily)	**20**	**51**	**128**	**26**	**32**
CD209 (Rec. possibly inv. in phagoc.)	**4**	**2.5**	**0.1**	**1**	**2**
CD5l (CD5 like bind CD36)	**0**	**0**	**0**	**0**	**0**
Adgre1 (F4/80, Emr1, mucin like)	**87**	**79**	**36**	**17**	**65**
M. Scavenger receptors					
Marco (MARCO)	**1**	**0.4**	**6**	**2**	**4**
CD163 (Scavenger rec.)	**225**	**169**	**778**	**37**	**173**
CD36 (Scarb3) (Lung 1230)	**250**	**392**	**241**	**405**	**315**
CD68 (binds Oxidized LDL)	**1273**	**1143**	**1536**	**546**	**564**
CD177	**0.3**	**0**	**1**	**0.5**	**0.1**
Scara3 and 5	**0**	**0**	**0**	**0**	**0**
Scarb2	**28**	**50**	**307**	**125**	**78**
Scarb1	**22**	**30**	**5**	**15**	**12**
N. Cytokine, chemokine and endothelin receptors					
Fgfr1 (FGF receptor 1)	**0.1**	**0**	**0.8**	**0**	**0**
Csf1r (M-CSF receptor)	**129**	**135**	**691**	**169**	**114**

Csf2ra (GM-CSF receptor alpha chain)	47	53	362	100	74
Csf3r (G-CSF receptor CD114)	1236	900	1031	3129	939
Ccr5 (CCR-5 receptor)	2	3	37	1	1
Ccr1 (CCR-1 receptor)	34	53	30	18	17
Tnfrsf1b (TNF receptor rec. Subf. 1b)	1515	1100	780	267	1101
Tnfrsf1a (TNF receptor rec. Subf. 1a)	199	172	18	24	20
Tnfrsf11a(TNF receptor rec. Subf. 11a)	0.5	0.4	7	0.7	0.8
Tnfrsf21 (TNF receptor rec. Subf. 21)	25	3	30	0.7	7
Tnfrsf14 (TNF receptor rec. Subf. 14)	41	48	95	60	65
Il10ra (IL-10 receptor alpha)	609	443	237	357	422
Il15ra (IL-15 receptor alpha)	14	29	5	25	28
Il6r (IL-6 receptor alpha)	80	101	159	117	62
Il4r (IL-4 receptor alpha)	42	37	70	113	39
IL3ra (IL-3 receptor alpha)	8	9	57	9	20
Il13ra1 (Il-13 receptor alpha1)	123	122	10	15	46
IL21r (IL-21 receptor)	0	3	11	0.7	2
IL27ra (IL-27 receptor alpha)	32	38	101	27	26
Il2rg (IL-2 receptor gamma)	47	56	66	21	36
Il2rb (IL-2 receptor beta)	1	2	8	0.3	41
Il1r1 (Receptor 1 for IL1 alpha)	2	0.7	3	1	0.4
Ednrb (Endothelin B receptor)	0.2	0.4	6	0	0.1
O. Toll Like Receptors and accessory proteins					
Tlr4 (TLR-4)	24	44	197	25	20
Ly96 (MD2 LPS binding with TLR4)	8	10	0.2	5	6
Tlr7 (TLR-7)	9	26	7	2	12
Tlr1 (TLR-1)	6	27	22	11	10
Tlr8 (TLR-8)	46	137	40	26	155
Tlr2 (TLR-2)	40	47	299	12	34
Tlr3 (TLR-3)	0	0	0	0	0
Tlr6 (TLR-6)	2	2	9	2	0.7
Nlrc4 (Inflammasome related)	4	5	2	8	0.7
P. Cell adhesion					
Itgam (Integrin alpha m, CD11b)	245	216	82	304	139
Itga6 (Integrin alpha 6)	0	0.5	1	0.2	0
Itgb2 (Integrin beta 2)	1975	1423	862	685	1504
Itgb1(Integrin beta 1)	161	160	330	392	265
Itga4 (Integrin alpha 4)	230	331	44	144	408
Itgb7 (Integrin beta 7)	17	21	5	6	8
Itgav (Integrin alpha v)	2	10	119	11	6
Itga9 (Integrin alpha 9)	2	1	0.6	4	2
Itgb3 (Integrin beta 3)	3	4	1	0.7	1
Itgax (Integrin alpha x, CD11c)	249	216	673	126	140
Selp (P-selectin)	0	0.6	0	0.4	0.4
Emilin2 (Elastin microfibril loc. prot. 2)	162	218	404	213	369
Icam2 (ICAM 2)	39	52	73	3	38
Lgals3 (Galectin3, MAC2)	249	375	1533	109	414
Q. Chemokines and Cytokines					
Pf4 (Platelet factor 4)	3	4	3	5	3
Cxcl13 (B-cell attracting (BCA-1)	0	0	0	0.5	0
Ccl24 (Eotaxin-2 or MPIF-2)	1	0.6	36	0	0.1

Cxcl16 (T-cell and NK cell attracting)	307	134	972	55	432
Cxcl14 (attracting activated NK cells)	0	0	0.4	0	0
Cxcl2 (also named MIP2 alpha)	12	3	20	6	3
Cxcl1 (Neutrophil attr.(Gro-a or NAP-3))	4	2	3	4	0.4
Cxcl12 (also named SDF1)	0	0	0	0	0
Ccl5 (Rantes attr. T-cells, Eos and Baso.)	8	7	13	4	15
Ccl11 (Eotaxin 1)	0	0	0	0	0
Tgfb2 (TGF- beta 2)	0.1	0	0.6	0	0
Tgfb1 (TGF- beta 1)	918	555	1411	718	866
Il16 (IL-16)	0	0	0	0	0
Csf1 (M-CSF)	6	4	2	45	5
IL18 (IL-18)	58	53	32	16	51
Il18bp (IL-18 binding prot.)	6	11	42	9	12
IL1a (IL-1 alpha)	0.2	0.1	26	0	0
Il15 (IL-15)	6	22	4	19	16
IL27 (IL-27)	7	5	3	11	12
Il13 (IL-13)	0	0	0	0.5	0
Il12a & b (IL-12a and b)	1 & 0	1 & 0.1	0 & 0	6 & 0	1 & 0
Tnf (TNF-alpha)	131	91	228	72	86
Igf1 (IGF-1)	0	0	0	0	0.1
Egf (EGF)	0	0.1	0	0	0
Pdgfa (PDGF-A)	0.4	0.4	5	0.5	0.6
Pdgfb (PDGF-B)	0.2	0	40	0	0
Vegfa (VEGF-A)	183	37	185	152	155
Vegfb (VEGF-B)	11	4	22	2	6
R. Signaling components					
Tyrobp (TYRO protein kinase-bi. prot.)	4617	4899	3882	727	4188
Dab2 (Disabled homolog 2)	1	2	102	1	2
Pde2a (cGMP-dep. cyclic phosphodi)	5	3	23	1	4
Btk	50	63	25	15	29
S. Transcription factors					
Gata6 (GATA-6)	0	0.7	0	0	0.1
Gata3	0.3	0	2	0	3
Gata2	0.3	0.4	0.4	0	0.3
Gata1	0	0	0	0	0
Mitf	4	11	37	4	5
Spi1 (Pu.1)	1307	763	729	445	480
Myb	0.2	0.1	0	0	0
Runx1	42	22	12	56	11
Runx3	166	79	485	158	205
Creb3l1	0	0	0.1	0	0
Zeb2 (Zinc finger corepressor)	242	302	396	377	321
Tox2	0.3	0	0.1	0	0.1
Ikzf1 (Ikaros, Zinc finger transcr. f)	54	36	21	28	31
Foxp3	1	0.6	0.4	0.2	0.1