

SUPPORTING INFORMATION

Lana Papafilippou,^a Andrew Claxton,^b Paul Dark,^{b,c} Kostas Kostarelos^{*a,d} and Marilena Hadjidemetriou^{*a}

^a*Nanomedicine Lab, Faculty of Biology, Medicine & Health, AV Hill Building, The University of Manchester, Manchester, M13 9PT, UK*

^b*Centre for Acute Care Trauma, Manchester Academic Health Science Centre, Health Innovation Manchester, Division of Critical Care, Salford Royal NHS Foundation Trust, Greater Manchester, UK*

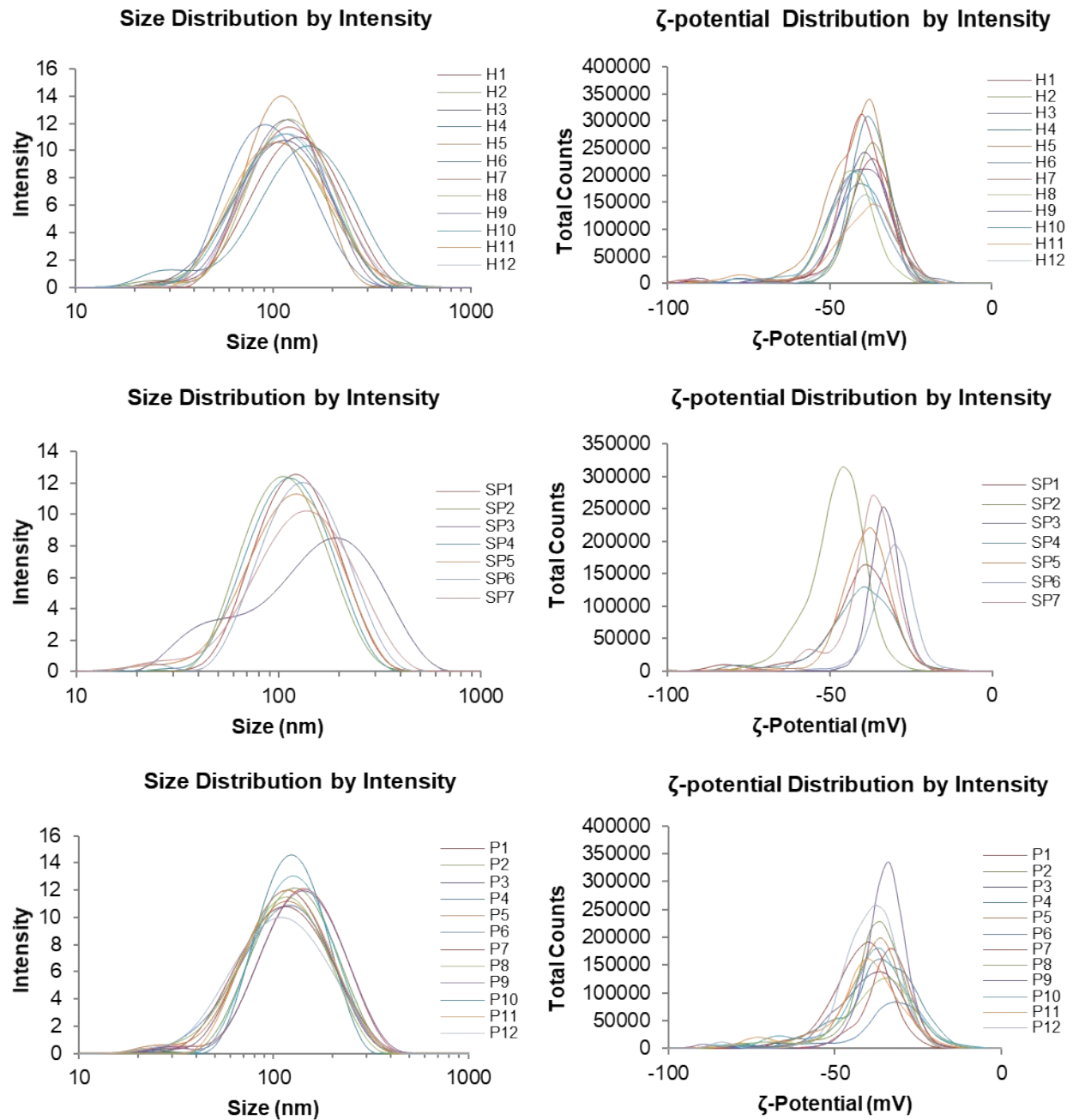
^c*Division of Infection, Immunity and Respiratory Medicine, Faculty of Biology, Medicine & Health, AV Hill Building, The University of Manchester, Manchester, M13 9PT, UK.*

^d*Catalan Institute of Nanoscience and Nanotechnology (ICN2), Campus UAB, Bellaterra, 08193 Barcelona, Spain.*

* Correspondence should be addressed to: marilena.hadjidemetriou@manchester.ac.uk; kostas.kostarelos@manchester.ac.uk

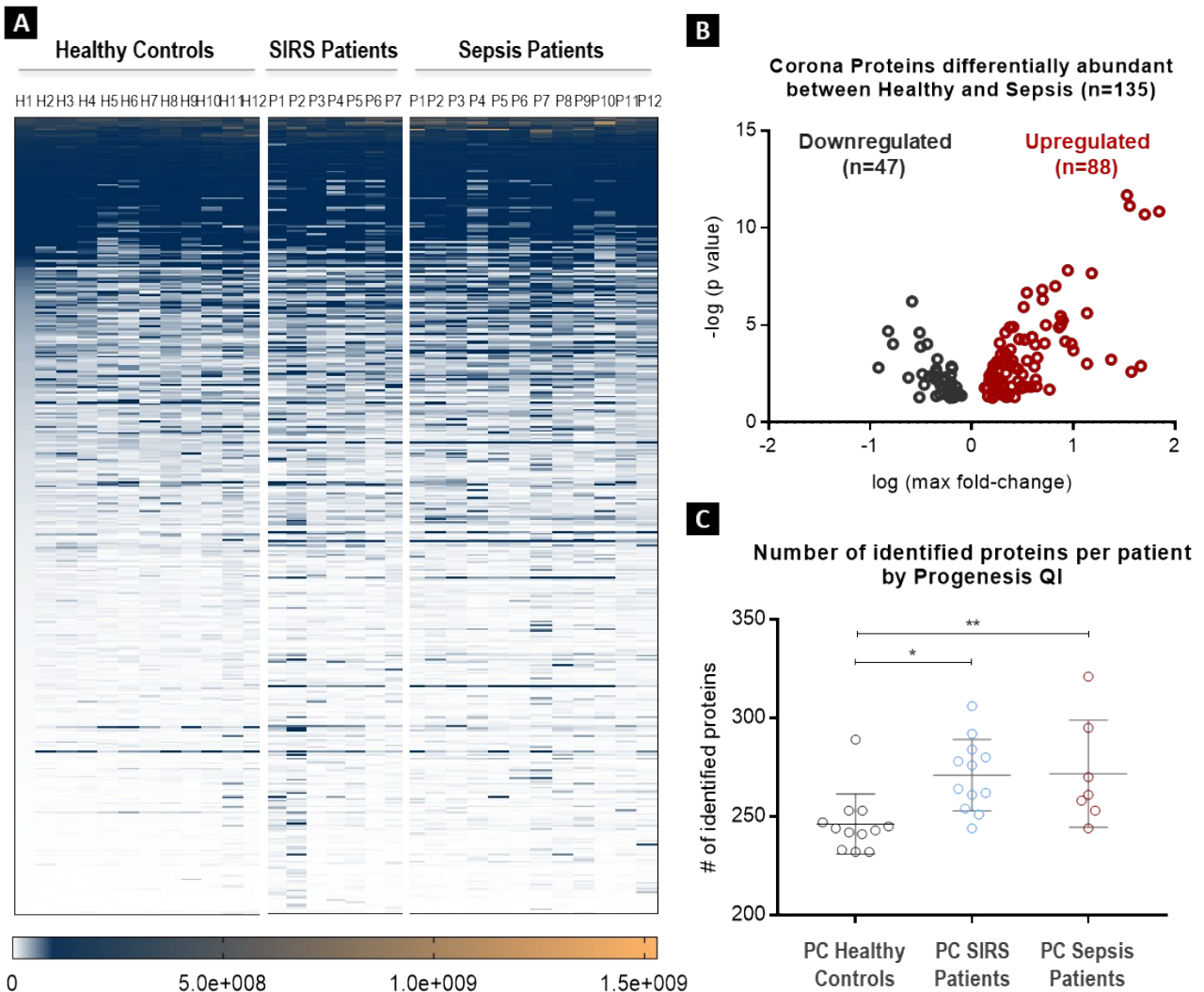
Supporting Figure 1

Figure S1: Physicochemical characterization of corona-coated Amphotericin B-intercalated liposomes (AmBisome®). Mean hydrodynamic diameter (nm) and ζ -potential (mV) distributions are depicted for corona-coated liposomal formulation AmBisome® recovered post-incubation with human plasma from 12 healthy volunteers, 7 SIRS patients and 12 sepsis patients.



Supporting Figure 2

Figure S2: Proteomic analysis of corona profiles. (A) Heatmap of normalized abundance values of all corona proteins identified in healthy controls, SIRS patients and sepsis patients, as identified by LC-MS/MS (Progenesis Q1). Protein columns are sorted according to the abundance values (from highest to lowest) of the first sample. The list of proteins shown in the heatmap, their respective accession numbers and their mean normalized abundance values are shown in **Table S5**; **(B)** Volcano plot represents the potential protein biomarkers differentially abundant between healthy donors and sepsis patients (n=135) identified in corona samples. Upregulated proteins in sepsis are shown in red (n=88), whereas downregulated proteins are shown in dark grey (n=47). Only proteins with p value<0.05 are reported. The list of proteins shown in the heatmap and their respective accession numbers, p-values and max fold-change are shown in **Table S6**; **(C)** Total number of proteins identified per patient by LC-MS/MS analysis of corona samples formed upon the ex vivo incubation of AmBisome® liposomes with plasma samples obtained from healthy volunteers, SIRS patients and sepsis patients; * indicates p<0.05 (p=0.0290), ** indicates p<0.01 (p=0.0030) using Kruskal-Wallis test.



Supporting Figure 3

Figure S3: Principal component analysis (PCA) of NP-protein corona samples. Scatterplot of the 67 identified in the NP protein corona biomarkers to differentiate sepsis from SIRS in the first two PCA dimensions. SIRS patients are shown in blue, while sepsis patients are shown in red colour. PC1 explained 31% of the variance and PC2 explained 13.5% of the variance. In the PCA biplot shown below runs from each group are close to each other and the two groups appear to form two distinct clusters.

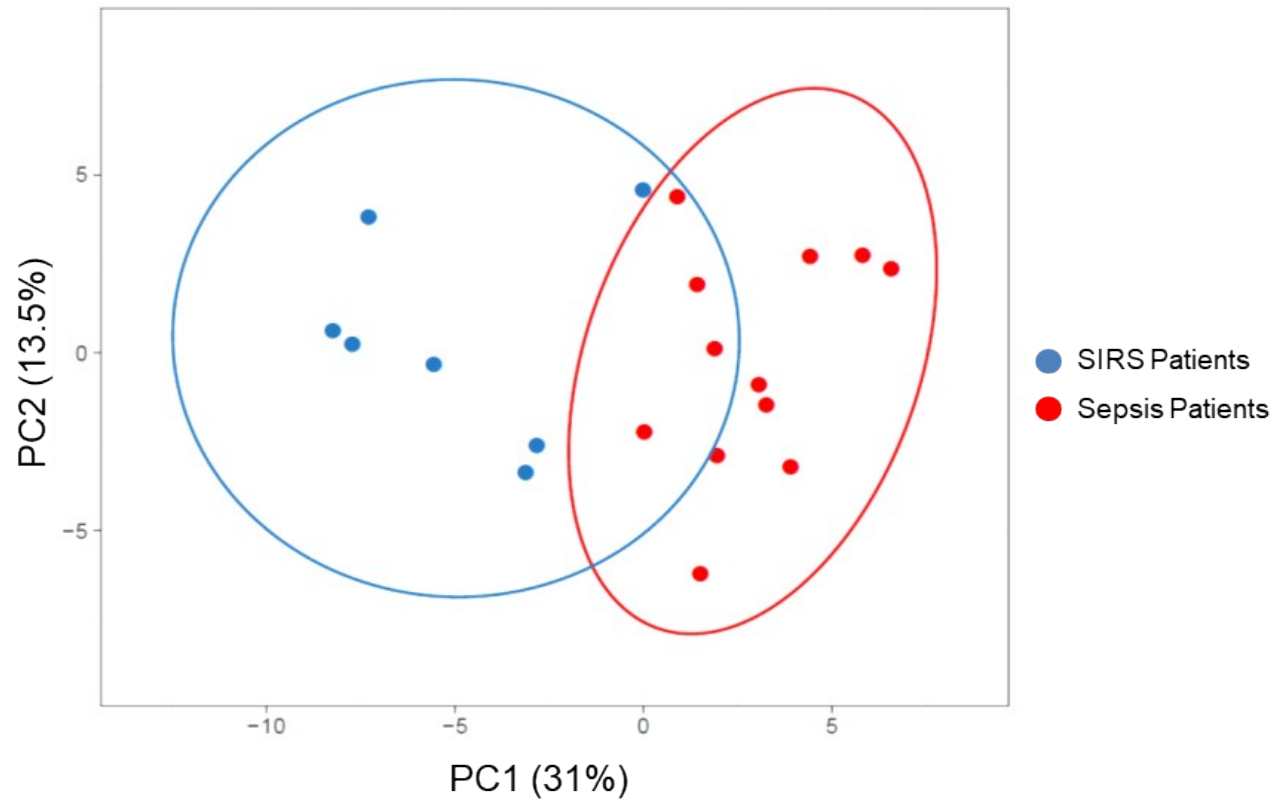


Table S1: Patients' information. Patient cohort sepsis.

Sample Name	Age	Sex	Acute systemic inflammation score	Primary Diagnosis	Culture positive?
P1	68	M	2/4	Ventilator associated pneumonia	Yes - <i>E. Coli</i> in Non-directed Bronchial Lavage
P2	72	M	3/4	Aspiration pneumonia	Yes - <i>H. Influenzae</i> in Bronchial-Alveolar Lavage
P3	53	M	3/4	Ventriculitis	Yes - Coagulase negative <i>Staphylococcus</i> in Cerebrospinal Fluid
P4	30	M	3/4	Community acquired pneumonia	No
P5	62	F	3/4	Ventilator associated pneumonia	Yes – <i>Klebsiella Pneumoniae</i> in Non-directed Bronchial Lavage
P6	68	F	4/4	Hospital acquired pneumonia	Yes - <i>E. Coli</i> and <i>Serratia marcescens</i> in Non-directed Bronchial Lavage
P7	64	M	2/4	Urinary tract infection leading to <i>Clostridium Difficile</i> colonisation	Yes – <i>Clostridium Difficile</i> in stool culture. <i>E. Coli</i> in urine
P8	67	M	3/4	Urosepsis	No organism identified. Extensive leukocytosis in urine.
P9	34	F	3/4	Urosepsis	Yes – <i>E. Coli</i> in blood culture
P10	81	M	3/4	Legionnaire Pneumonia	Yes – <i>Legionella Pneumophila</i> in urine
P11	87	M	4/4	Cellulitis and urinary tract infection	Yes – <i>Pseudomonas aeruginosa</i> in urine. Group B <i>streptococcus</i> in blood culture
P12	87	F	2/4	Community acquired pneumonia	No

Table S2: Patients' information. Patient cohort non-infectious acute systemic inflammation (SIRS patients).

Sample Name	Age	Sex	Acute systemic inflammation score	Primary Diagnosis
P1	65	M	4/4	Obstructing ureteric stone
P2	79	M	3/4	Rib fractures – flail chest
P3	23	F	3/4	Pulmonary embolism
P4	36	F	3/4	Trauma – fractured pelvis
P5	44	M	3/4	Trauma – splenic haematoma
P6	55	F	4/4	Trauma – subdural haematoma
P7	46	F	4/4	Subarachnoid haemorrhage

Table S3: Physicochemical characterization of corona-coated Amphotericin B-intercalated liposomes (AmBisome®). Tables show the mean diameter (nm), polydispersity index (PDI) and ζ -potential (mV) values of corona-coated liposomes recovered post-incubation with human plasma from 12 healthy volunteers, 7 SIRS patients and 12 sepsis patients. The respective size, PDI and ζ -potential distributions are presented in **Figure S1**.

Sample Name (Healthy Controls)	Mean Hydrodynamic Diameter (nm)	PDI	ζ -potential (mV)
H1	113.0 $\pm$ 2.2	0.229 $\pm$ 0.021	-37.5 $\pm$ 0.3
H2	97.6 $\pm$ 1.4	0.256 $\pm$ 0.029	-36.9 $\pm$ 0.2
H3	94.8 $\pm$ 0.9	0.212 $\pm$ 0.011	-39.9 $\pm$ 0.7
H4	115.1 $\pm$ 1.3	0.274 $\pm$ 0.003	-37.6 $\pm$ 2.1
H5	108.0 $\pm$ 2.7	0.258 $\pm$ 0.025	-41.7 $\pm$ 1.9
H6	89.2 $\pm$ 0.8	0.187 $\pm$ 0.005	-40.9 $\pm$ 0.7
H7	108.2 $\pm$ 1.4	0.210 $\pm$ 0.006	-40.7 $\pm$ 0.2
H8	110.8 $\pm$ 2.4	0.215 $\pm$ 0.019	-43.7 $\pm$ 0.1
H9	104.4 $\pm$ 0.3	0.239 $\pm$ 0.031	-42.5 $\pm$ 0.7
H10	100.8 $\pm$ 2.3	0.201 $\pm$ 0.003	-43.5 $\pm$ 2.1
H11	101.4 $\pm$ 2.5	0.223 $\pm$ 0.002	-41.8 $\pm$ 0.5
H12	109.7 $\pm$ 0.7	0.189 $\pm$ 0.010	-38.4 $\pm$ 0.4

Sample Name (SIRS Patients)	Mean Hydrodynamic Diameter (nm)	PDI	ζ -potential (mV)
P1	108.4 $\pm$ 2.3	0.186 $\pm$ 0.011	-41.5 $\pm$ 0.6
P2	100.0 $\pm$ 0.9	0.169 $\pm$ 0.022	-47.8 $\pm$ 1.9
P3	113.3 $\pm$ 3.0	0.307 $\pm$ 0.015	-32.9 $\pm$ 0.6
P4	101.3 $\pm$ 0.9	0.173 $\pm$ 0.014	-41.3 $\pm$ 0.5
P5	101.4 $\pm$ 0.7	0.214 $\pm$ 0.015	-39.0 $\pm$ 0.4
P6	111.9 $\pm$ 1.3	0.220 $\pm$ 0.012	-30.7 $\pm$ 0.4
P7	109.2 $\pm$ 0.9	0.248 $\pm$ 0.008	-37.7 $\pm$ 0.9

Sample Name (Sepsis Patients)	Mean Hydrodynamic Diameter (nm)	PDI	ζ -potential (mV)
P1	100.7 $\pm$ 1.0	0.212 $\pm$ 0.010	-42.3 $\pm$ 2.8
P2	110.3 $\pm$ 1.2	0.195 $\pm$ 0.007	-37.8 $\pm$ 0.8
P3	104.1 $\pm$ 1.8	0.200 $\pm$ 0.005	-40.4 $\pm$ 2.0
P4	112.1 $\pm$ 1.7	0.138 $\pm$ 0.003	-37.7 $\pm$ 0.2
P5	99.7 $\pm$ 0.4	0.210 $\pm$ 0.010	-38.3 $\pm$ 1.5
P6	97.9 $\pm$ 0.3	0.207 $\pm$ 0.007	-34.4 $\pm$ 1.3
P7	116.8 $\pm$ 0.9	0.218 $\pm$ 0.010	-34.4 $\pm$ 0.8
P8	96.4 $\pm$ 0.3	0.199 $\pm$ 0.006	-38.6 $\pm$ 1.5
P9	122.0 $\pm$ 2.2	0.214 $\pm$ 0.015	-35.4 $\pm$ 1.9
P10	113.2 $\pm$ 0.5	0.165 $\pm$ 0.012	-39.1 $\pm$ 2.9
P11	109.7 $\pm$ 0.5	0.189 $\pm$ 0.007	-43.4 $\pm$ 1.4
P12	93.9 $\pm$ 1.2	0.237 $\pm$ 0.009	-40.0 $\pm$ 1.1

Table S4: Proteomic analysis of the liposomal corona fingerprints. List of all proteins identified with their accession numbers and mean normalized abundance (MNA) values identified in the liposomal protein corona of SIRS and sepsis patients by LC-MS/MS, as these are shown in the heatmap of **Figure 3A**.

Identified Proteins (n=412)	Accession Number	MNA (SIRS Patients)	MNA (Sepsis Patients)
Fibrinogen beta chain FGB	FIBB_HUMAN	519135380 ± 233801405	571802930 ± 211200845
Fibrinogen gamma chain FGG	FIBG_HUMAN	416624035 ± 206475992	499763576 ± 231350866
Fibrinogen alpha chain FGA	FIBA_HUMAN	293217455 ± 201871999	522178319 ± 237107687
von Willebrand factor VWF	VWF_HUMAN	107492832 ± 110401762	44019640 ± 48858868
Haptoglobin HP	HPT_HUMAN	243914462 ± 117375095	654198771 ± 571536346
Apolipoprotein B-100 APOB	APOB_HUMAN	204536205 ± 48550777	235914898 ± 57012711
Serum albumin ALB	ALBU_HUMAN	160508642 ± 173691391	170386675 ± 101450990
C4b-binding protein alpha chain C4BPA	C4BPA_HUMAN	114972192 ± 36056102	109293675 ± 37371028
Alpha-2-macroglobulin A2M	A2MG_HUMAN	206333936 ± 83765139	299222024 ± 123808631
Immunoglobulin heavy constant mu IGHM	IGHM_HUMAN	184708326 ± 74267728	133865236 ± 80823194
Immunoglobulin kappa constant IGKC	IGKC_HUMAN	192013884 ± 76807386	159437480 ± 86082199
Apolipoprotein E APOE	APOE_HUMAN	43228900 ± 16498888	58950451 ± 24785431
Glutamate receptor ionotropic, delta-2 GRID2	GRID2_HUMAN	46444134 ± 42036124	49833326 ± 27906039
Galectin-3-binding protein LGALS3BP	LG3BP_HUMAN	32962696 ± 13449903	40991745 ± 15585863
Vitamin K-dependent protein S PROS1	PROS_HUMAN	38472729 ± 11694830	28804201 ± 7053104
Immunoglobulin kappa light chain	IGK_HUMAN	98886907 ± 39555707	82110100 ± 44332223
Apolipoprotein L1 APOL1	APOL1_HUMAN	71813654 ± 28789768	44325683 ± 24438506
Serum amyloid A-1 protein SAA1	SAA1_HUMAN	7850221 ± 9522849	9099060 ± 6691574
Immunoglobulin heavy constant alpha 1 IGHA1	IGHA1_HUMAN	89192867 ± 45881744	197267384 ± 185653801
FERM, ARHGEF and pleckstrin domain-containing protein 1 FARP1	FARP1_HUMAN	4123999 ± 10161032	2383226 ± 8118679
Keratin, type II cytoskeletal 1 KRT1	K2C1_HUMAN	66674025 ± 82577627	46555323 ± 16968774
Fibronectin FN1	FINC_HUMAN	18948682 ± 13847718	10668397 ± 5902490
Complement C1r subcomponent C1R	C1R_HUMAN	20508132 ± 15498129	16257452 ± 5965465
Ficolin-3 FCN3	FCN3_HUMAN	10193327 ± 4089766	7688645 ± 3629793
Hemoglobin subunit alpha HBA1	HBA_HUMAN	30987069 ± 53368734	63175427 ± 42573968
Alpha-1-antitrypsin SERPINA1	A1AT_HUMAN	8683158 ± 5213719	12953102 ± 5160533
Serine palmitoyltransferase 2 SPTLC2	SPTC2_HUMAN	8558349 ± 4291618	11956385 ± 5326455
Complement C4-B C4B	CO4B_HUMAN	14875136 ± 7374258	18764025 ± 7549238
Complement C1q subcomponent subunit C C1QC	C1QC_HUMAN	15394555 ± 4629928	19005456 ± 5711214
Hemoglobin subunit beta HBB	HBB_HUMAN	36436298 ± 68476340	53965446 ± 38898078
Clusterin CLU	CLUS_HUMAN	10798608 ± 3386332	11285039 ± 4915495
CD5 antigen-like CD5L	CD5L_HUMAN	30395679 ± 15527018	17699895 ± 10483924
IgGfC-binding protein FCGBP	FCGBP_HUMAN	8030570 ± 4008543	12722700 ± 10014043
Complement factor B CFB	CFAB_HUMAN	9516604 ± 4693949	14723891 ± 14418871
Apolipoprotein C-III APOC3	APOC3_HUMAN	8115171 ± 5347507	16259897 ± 13918980
Immunoglobulin gamma-1 heavy chain	IGG1_HUMAN	47468193 ± 41819475	109444835 ± 86755063
Complement C3 C3	CO3_HUMAN	18264052 ± 17732852	33721314 ± 13627419
Haptoglobin-related protein HPR	HPTR_HUMAN	17563894 ± 10423544	21498260 ± 15310853
Serum amyloid A-2 protein SAA2	SAA2_HUMAN	2814152 ± 2870330	4628664 ± 3969923
Apolipoprotein(a) LPA	APOA_HUMAN	14548833 ± 27494122	22658955 ± 36360352
Plasma protease C1 inhibitor SERPING1	IC1_HUMAN	8161893 ± 2862473	8437509 ± 2716682
Keratin, type I cytoskeletal 10 KRT10	K1C10_HUMAN	17932989 ± 12122999	17917222 ± 6465057
Proteoglycan 4 PRG4	PRG4_HUMAN	3309836 ± 2573566	2561823 ± 1566563
Aminopeptidase N ANPEP	AMPN_HUMAN	1767566 ± 2328829	681531 ± 850234
Complement C1q subcomponent subunit B C1QB	C1QB_HUMAN	9014762 ± 3052857	11648127 ± 3321023
Complement C4-A C4A	CO4A_HUMAN	6710704 ± 2931472	8924014 ± 3920466
Keratin, type I cytoskeletal 9 KRT9	K1C9_HUMAN	27677552 ± 34197813	20404848 ± 7784872
Keratin, type II cytoskeletal 2 epidermal KRT2	K22E_HUMAN	17276721 ± 18365457	13542610 ± 3803167
AT-rich interactive domain-containing protein 4B ARID4B	ARI4B_HUMAN	6450802 ± 2600277	6084720 ± 4996168
Src substrate cortactin CTTN	SRC8_HUMAN	3149422 ± 1659290	2611398 ± 2316912
Alpha-1-antichymotrypsin SERPINA3	AACT_HUMAN	2736208 ± 1953758	4119998 ± 1939783
Hemopexin HPX	HEMO_HUMAN	4543423 ± 4058790	5124489 ± 2642893
Immunoglobulin lambda-1 light chain	IGL1_HUMAN	15500933 ± 7690961	10974836 ± 3410978
Serum amyloid A-4 protein SAA4	SAA4_HUMAN	4482615 ± 951661	5091280 ± 1775501
Ceruloplasmin CP	CERU_HUMAN	5366046 ± 3288130	6908190 ± 3218313
Immunoglobulin heavy constant gamma 2 IGHG2	IGHG2_HUMAN	9261766 ± 7225414	22597294 ± 16336761

Serotransferrin TF	TRFE_HUMAN	4983808 ± 4869212	7023157 ± 5365656
Serum paraoxonase/arylesterase 1 PON1	PON1_HUMAN	5921447 ± 1558631	5496456 ± 2196552
Thrombospondin-1 THBS1	TSP1_HUMAN	5124607 ± 5464340	6761762 ± 4464104
Immunoglobulin heavy variable 6-1 IGHV6-1	HV601_HUMAN	4618148 ± 2168225	2221097 ± 1357503
Cathelicidin antimicrobial peptide CAMP	CAMP_HUMAN	2087604 ± 1802582	1021241 ± 786978
Apolipoprotein C-I APOC1	APOC1_HUMAN	3069656 ± 1242129	4189001 ± 1887179
Guanine nucleotide-binding protein G(i) subunit alpha-2 GNAI2	GNAI2_HUMAN	3843117 ± 1822316	1298186 ± 846233
Actin, cytoplasmic 1 ACTB	ACTB_HUMAN	1987232 ± 1105729	2272934 ± 1833243
Coagulation factor VIII F8	FA8_HUMAN	1163624 ± 1197158	690215 ± 584954
Complement factor H CFH	CFAH_HUMAN	7063886 ± 5803173	10778277 ± 3818421
Fibrillin-1 FBN1	FBN1_HUMAN	3538388 ± 1587438	7479265 ± 6038165
Immunoglobulin J chain JCHAIN	IGJ_HUMAN	8734779 ± 3921818	6595440 ± 6495847
Immunoglobulin heavy variable 3-15 IGHV3-15	HV315_HUMAN	4638068 ± 1493728	3236086 ± 1365613
Immunoglobulin kappa variable 3-15 IGKV3-15	KV315_HUMAN	8107336 ± 3814722	7890894 ± 5482508
Immunoglobulin kappa variable 2-28 IGKV2-28	KV228_HUMAN	8123407 ± 4052220	6498669 ± 4120983
Complement C1q subcomponent subunit A C1QA	C1QA_HUMAN	3069391 ± 1185844	4777465 ± 2088198
Immunoglobulin kappa variable 4-1 IGKV4-1	KV401_HUMAN	9380451 ± 3144231	5799019 ± 3083111
Coagulation factor V F5	FA5_HUMAN	1798540 ± 858034	1419225 ± 611824
Band 3 anion transport protein SLC4A1	HV372_HUMAN	5942523 ± 12333609	2138629 ± 1219449
Immunoglobulin heavy variable 3-72 IGHV3-72	HVD82_HUMAN	4251874 ± 1390971	3134323 ± 1379430
Immunoglobulin heavy variable 4-38-2 IGHV4-38-2	TENA_HUMAN	6250085 ± 3254824	4354387 ± 1619552
Tenascin TNC	PLCX2_HUMAN	2304089 ± 1720354	3264816 ± 5425749
PI-PLC X domain-containing protein 2 PLCXD2	ITIH2_HUMAN	2273233 ± 722236	1143201 ± 1048283
Inter-alpha-trypsin inhibitor heavy chain H2 ITIH2	CFA46_HUMAN	7657687 ± 6518235	11511926 ± 6642285
Cilia- and flagella-associated protein 46 CFAP46	ITIH3_HUMAN	2044566 ± 950430	2768559 ± 1190602
Inter-alpha-trypsin inhibitor heavy chain H3 ITIH3	VTNC_HUMAN	1809641 ± 649747	3429943 ± 1741171
Vitronectin VTN	A1BG_HUMAN	1428953 ± 601301	1968008 ± 547405
Alpha-1B-glycoprotein A1BG	FLNA_HUMAN	2089379 ± 1675126	1533260 ± 510991
Filamin-A FLNA	KV320_HUMAN	2240734 ± 611226	2169005 ± 717778
Immunoglobulin kappa variable 3-20 IGKV3-20	PLPL8_HUMAN	8360026 ± 5469834	4300186 ± 2255060
Calcium-independent phospholipase A2-gamma PNPLA8	SRCRL_HUMAN	5009554 ± 2472582	5051253 ± 3598077
Soluble scavenger receptor cysteine-rich domain-containing protein SSC5D SSC5D	HV374_HUMAN	1305177 ± 808094	973919 ± 337386
Immunoglobulin heavy variable 3-74 IGHV3-74	LV321_HUMAN	4895732 ± 3088108	3111858 ± 1660318
Immunoglobulin lambda variable 3-21 IGLV3-21	IGHG3_HUMAN	2490657 ± 1131623	3316438 ± 2795488
Immunoglobulin heavy constant gamma 3 IGHG3	HRG_HUMAN	4729930 ± 4144253	10772651 ± 7137660
Histidine-rich glycoprotein HRG	CATA_HUMAN	1202017 ± 535848	1507501 ± 545553
Catalase CAT	HV551_HUMAN	2070513 ± 2770226	1092149 ± 583182
Immunoglobulin heavy variable 5-51 IGHV5-51	TTC25_HUMAN	2443193 ± 644513	1976305 ± 845765
Tetratricopeptide repeat protein 25 TTC25	CC88B_HUMAN	794708 ± 797233	281647 ± 239038
Coiled-coil domain-containing protein 88B CCDC88B	F13B_HUMAN	1103884 ± 542041	750466 ± 747566
Coagulation factor XIII B chain F13B	CRP_HUMAN	1432065 ± 296825	1485403 ± 593596
C-reactive protein CRP	IGHG4_HUMAN	1196151 ± 945572	2356049 ± 2063595
Immunoglobulin heavy constant gamma 4 IGHG4	KV224_HUMAN	3141288 ± 2569213	9691615 ± 12280442
Immunoglobulin kappa variable 2-24 IGKV2-24	RS27A_HUMAN	6366039 ± 2909130	3344741 ± 1666140
Ubiquitin-40S ribosomal protein S27a RPS27A	SRSF4_HUMAN	1379709 ± 297124	634616 ± 277159
Serine/arginine-rich splicing factor 4 SRSF4	APOC4_HUMAN	1409081 ± 644505	666410 ± 632946
Apolipoprotein C-IV APOC4	APOA1_HUMAN	1585234 ± 694428	1558560 ± 1602141
Apolipoprotein A-I APOA1	GBB2_HUMAN	10410802 ± 5697630	11251521 ± 4743384
Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2 GNB2	ITIH1_HUMAN	900435 ± 695803	696469 ± 599452
Inter-alpha-trypsin inhibitor heavy chain H1 ITIH1	KV311_HUMAN	5137024 ± 4397300	6959688 ± 3603305
Immunoglobulin kappa variable 3-11 IGKV3-11	K1C14_HUMAN	3534534 ± 1221649	2085485 ± 928712
Keratin, type I cytoskeletal 14 KRT14	BCLF1_HUMAN	2110467 ± 1611819	1828349 ± 1091723
Bcl-2-associated transcription factor 1 BCLAF1	KV230_HUMAN	736570 ± 469132	578186 ± 430123
Immunoglobulin kappa variable 2-30 IGKV2-30	APOD_HUMAN	6412738 ± 3887263	5015580 ± 4347302
Apolipoprotein D APOD	C1S_HUMAN	1432808 ± 350875	1582701 ± 668404
Complement C1s subcomponent C1S	CO9_HUMAN	2173879 ± 1201528	2580635 ± 1074380
Complement component C9 C9	CENPF_HUMAN	848925 ± 342893	1138917 ± 440852
Centromere protein F CENPF	HV307_HUMAN	1141228 ± 655604	2990018 ± 2493071
Immunoglobulin heavy variable 3-7 IGHV3-7	GPC5C_HUMAN	3511838 ± 1306357	3784254 ± 1716261
G-protein coupled receptor family C group 5 member C GPRC5C	MORC2_HUMAN	210780 ± 494508	37332 ± 37417

MORC family CW-type zinc finger protein 2 MORC2	RFC4_HUMAN	1495769 ± 1100356	2093455 ± 2141963
Replication factor C subunit 4 RFC4	A2AP_HUMAN	675991 ± 435574	578205 ± 584304
Alpha-2-antiplasmin SERPINF2	ITIH4_HUMAN	1411621 ± 277580	1255727 ± 737454
Inter-alpha-trypsin inhibitor heavy chain H4 ITIH4	FACOS_HUMAN	1052619 ± 696782	2256965 ± 1039120
FANCD2 opposite strand protein FANCD2OS	FILA_HUMAN	1032970 ± 403793	1907774 ± 1103701
Filaggrin FLG	LV861_HUMAN	1219562 ± 657530	2633095 ± 2222173
Immunoglobulin lambda variable 8-61 IGLV8-61	APOC2_HUMAN	1727491 ± 1103908	1836183 ± 2289977
Apolipoprotein C-II APOC2	QSOX2_HUMAN	1179280 ± 443859	1529698 ± 1222350
Sulfhydryl oxidase 2 QSOX2	HV349_HUMAN	1117888 ± 570921	551110 ± 761977
Immunoglobulin heavy variable 3-49 IGHV3-49	THRB_HUMAN	886019 ± 303292	907247 ± 637079
Prothrombin F2	OLFM4_HUMAN	577744 ± 359267	529724 ± 490556
Olfactomedin-4 OLFM4	KNG1_HUMAN	613734 ± 375144	1063552 ± 1174045
Kininogen-1 KNG1	GGT1_HUMAN;	1025663 ± 430837	994454 ± 408221
Glutathione hydrolase 1 proenzyme GGT1	K2C80_HUMAN	168027 ± 413273	48674 ± 119317
Keratin, type II cytoskeletal 80 KRT80	HS90A_HUMAN	684778 ± 678145	400399 ± 454238
Heat shock protein HSP 90-alpha HSP90AA1	K2C5_HUMAN	771015 ± 277733	1076782 ± 389628
Keratin, type II cytoskeletal 5 KRT5	CO5_HUMAN	2019621 ± 1605132	1639499 ± 796731
Complement C5 C5	DYHC1_HUMAN	987653 ± 804650	2096156 ± 766611
Cytoplasmic dynein 1 heavy chain 1 DYNC1H1	HV428_HUMAN	674443 ± 411373	236097 ± 184897
Immunoglobulin heavy variable 4-28 IGHV4-28	TFR1_HUMAN	1143529 ± 397382	985548 ± 386924
Transferrin receptor protein 1 TFRC	GAPR1_HUMAN	714653 ± 500543	674763 ± 547352
Golgi-associated plant pathogenesis-related protein 1 GLIPR2	SH3G3_HUMAN	843826 ± 673151	484521 ± 141278
Endophilin-A3 SH3GL3	TENX_HUMAN	3389849 ± 1917093	8951098 ± 7855079
Tenascin-X TNXB	ABCB9_HUMAN	674325 ± 249871	265844 ± 134169
ATP-binding cassette sub-family B member 9 ABCB9	GBRA1_HUMAN	789067 ± 407887	1053699 ± 461432
Gamma-aminobutyric acid receptor subunit alpha-1 GABRA1	LV743_HUMAN	3257586 ± 1971587	1507818 ± 969347
Immunoglobulin lambda variable 7-43 IGLV7-43	ANK1_HUMAN	1650692 ± 648199	1772540 ± 1162019
Ankyrin-1 ANK1	G3P_HUMAN	1568858 ± 3177358	374193 ± 268182
Glyceraldehyde-3-phosphate dehydrogenase GAPDH	KRT81_HUMAN	676636 ± 622384	421220 ± 199139
Keratin, type II cuticular Hb1 KRT81	CBPN_HUMAN	595227 ± 653570	759959 ± 593075
Carboxypeptidase N catalytic chain CPN1	CO6A3_HUMAN	1719894 ± 1292374	2863202 ± 1268999
Collagen alpha-3(VI) chain COL6A3	RELN_HUMAN	639504 ± 162859	1136224 ± 1570847
Reelin RELN	PIGR_HUMAN	983735 ± 251743	1492484 ± 594714
Polymeric immunoglobulin receptor PIGR	STOM_HUMAN	632504 ± 333156	633249 ± 508002
Erythrocyte band 7 integral membrane protein STOM	FADS6_HUMAN	907733 ± 1356821	567397 ± 453219
Fatty acid desaturase 6 FADS6	K1C16_HUMAN	461405 ± 217542	440203 ± 129541
Keratin, type I cytoskeletal 16 KRT16	HV372_HUMAN	816278 ± 418242	744369 ± 844472
Nidogen-1 NID1	NID1_HUMAN	882882 ± 343408	1205047 ± 526028
Adenylate kinase 9 AK9	KAD9_HUMAN	588077 ± 322906	356237 ± 246245
Immunoglobulin lambda variable 1-51 IGLV1-51	LV151_HUMAN	1146635 ± 523538	662728 ± 332782
Microsomal triglyceride transfer protein large subunit MTPP	MTP_HUMAN	1249930 ± 743551	2085596 ± 972288
Ficolin-1 FCN1	FCN1_HUMAN	569578 ± 287710	483222 ± 209659
Myeloperoxidase MPO	PERM_HUMAN	712167 ± 651083	561375 ± 384461
Immunoglobulin heavy variable 1-69 IGHV1-69	HV169_HUMAN	826468 ± 310972	1046788 ± 564425
Immunoglobulin kappa variable 1-39 IGKV1-39	KV139_HUMAN	2299239 ± 1369544	1392800 ± 1479591
Prenylcysteine oxidase 1 PCYOX1	PCYOX_HUMAN	553526 ± 149313	729366 ± 298108
Vitamin D-binding protein GC	VTDB_HUMAN	563339 ± 274045	567828 ± 362595
Talin-1 TLN1	TLN1_HUMAN	432753 ± 259539	782495 ± 731826
Fermitin family homolog 3 FERMT3	URP2_HUMAN	313865 ± 230106	275121 ± 224763
Laminin subunit gamma-1 LAMC1	LAMC1_HUMAN	538998 ± 448490	679789 ± 417011
Serum amyloid P-component APCS	SAMP_HUMAN	856319 ± 651233	1438722 ± 796856
Immunoglobulin lambda variable 1-47 IGLV1-47	LV147_HUMAN	1321633 ± 521630	1361687 ± 838858
Ras-related protein Rap-1A RAP1A	RAP1A_HUMAN	305417 ± 265145	236017 ± 168535
Plasminogen PLG	PLMN_HUMAN	674485 ± 467519	1077769 ± 631791
Immunoglobulin heavy variable 3-23 IGHV3-23	HV323_HUMAN	1960998 ± 1061261	1000909 ± 417705
Immunoglobulin kappa variable 1-8 IGKV1-8	KV108_HUMAN	1414800 ± 1088180	899269 ± 619777
Dipeptidyl peptidase 4 DPP4	DPP4_HUMAN	225924 ± 206959	106635 ± 59164
Fibrinogen-like protein 1 FGL1	FGL1_HUMAN	506685 ± 327271	863423 ± 805151
Carboxypeptidase N subunit 2 CPN2	CPN2_HUMAN	719931 ± 376511	880043 ± 405135
Beta-2-glycoprotein 1 APOH	APOH_HUMAN	655201 ± 663999	712011 ± 412773
Spectrin beta chain, erythrocytic SPTB	SPTB1_HUMAN	1010731 ± 1902650	343929 ± 197838

AP-1 complex subunit beta-1 AP1B1	AP1B1_HUMAN	351563 ± 118049	301176 ± 199870
Apolipoprotein A-IV APOA4	APOA4_HUMAN	571275 ± 247420	1135789 ± 1656504
NACHT, LRR and PYD domains-containing protein 12 NLRP12	NAL12_HUMAN	484741 ± 179749	253957 ± 158126
Immunoglobulin kappa variable 1-5 IGKV1-5	KV105_HUMAN	2817238 ± 1404092	1417832 ± 1152124
Immunoglobulin kappa variable 1-17 IGKV1-17	KV117_HUMAN	1350822 ± 769007	562642 ± 516804
Moesin MSN	MOES_HUMAN	332172 ± 234563	310741 ± 178647
Peroxiredoxin-2 PRDX2	PRDX2_HUMAN	1722276 ± 3805636	342470 ± 268963
Immunoglobulin alpha-2 heavy chain	IGA2_HUMAN	1797848 ± 1302350	1768523 ± 1925040
Pantetheinase VNN1	VNN1_HUMAN	103851 ± 182854	41151 ± 41926
p21-activated protein kinase-interacting protein 1 PAK1IP1	PAK1IP_HUMAN	413261 ± 94868	437639 ± 242623
Oxysterol-binding protein-related protein 11 OSBPL11	OSB11_HUMAN	582994 ± 183995	364673 ± 285804
Immunoglobulin delta heavy chain	IGD_HUMAN	583042 ± 223659	1754387 ± 3272519
Keratin, type II cytoskeletal 6C KRT6C	K2C6C_HUMAN	549841 ± 302333	723269 ± 940975
Lactotransferrin LTF	TRFL_HUMAN	170076 ± 209105	263321 ± 295096
Alpha-1-acid glycoprotein 1 ORM1	A1AG1_HUMAN	344938 ± 330904	443583 ± 319527
Coagulation factor XIII A chain F13A1	F13A_HUMAN	411281 ± 187817	428169 ± 237650
Apolipoprotein A-II APOA2	APOA2_HUMAN	867035 ± 546235	1107492 ± 444907
Gelsolin GSN	GELS_HUMAN	476020 ± 197348	483535 ± 336853
Immunoglobulin kappa variable 2-29 IGKV2-29	KV229_HUMAN	1517988 ± 889341	1256304 ± 956760
Angiotensinogen AGT	ANGT_HUMAN	906794 ± 889142	471842 ± 143579
Versican core protein VCAN	CSPG2_HUMAN	186377 ± 178829	213091 ± 188479
Integrin beta-3 ITGB3	ITB3_HUMAN	299433 ± 216800	356233 ± 331237
Transcription factor AP-2-delta TFAP2D	AP2D_HUMAN	1083691 ± 794029	931455 ± 410707
Integrin alpha-IIb ITGA2B	ITA2B_HUMAN	359716 ± 231801	351419 ± 339334
Heat shock cognate 71 kDa protein HSPA8	HSP7C_HUMAN	280385 ± 337520	184640 ± 111762
Transmembrane protein 163 TMEM163	TM163_HUMAN	238938 ± 112064	251158 ± 193774
Ras-related protein Ral-B RALB	RALB_HUMAN	645340 ± 635796	203855 ± 186015
Methionine synthase reductase MTRR	MTRR_HUMAN	339235 ± 117734	385507 ± 157144
Spectrin alpha chain, erythrocytic 1 SPTA1	SPTA1_HUMAN	1005596 ± 1662187	279503 ± 169781
ATP-dependent 6-phosphofructokinase, liver type PFKL	PFKAL_HUMAN	462156 ± 463210	129862 ± 120326
Epidermal growth factor receptor kinase substrate 8 EPS8	EPS8_HUMAN	61528 ± 147932	7911 ± 6879
Protein S100-A8 S100A8	S10A8_HUMAN	159025 ± 106682	251337 ± 157940
ATP-binding cassette sub-family E member 1 ABCE1	ABCE1_HUMAN	157843 ± 127472	88671 ± 94316
Neprilysin MME	NEP_HUMAN	112358 ± 115298	104643 ± 50451
Spectrin beta chain, non-erythrocytic 2 SPTBN2	SPTN2_HUMAN	1117456 ± 942452	827884 ± 556564
Multimerin-1 MMRN1	MMRN1_HUMAN	285135 ± 224680	218165 ± 151618
Vinculin VCL	VINC_HUMAN	185096 ± 162872	259084 ± 239021
Leukosialin SPN	LEUK_HUMAN	202269 ± 83795	285998 ± 189544
Immunoglobulin heavy variable 1-46 IGHV1-46	HV146_HUMAN	735257 ± 282107	1047249 ± 438746
Tripeptidyl-peptidase 2 TPP2	TPP2_HUMAN	279147 ± 137904	229371 ± 132082
Phosphatidylinositol-glycan-specific phospholipase D GPLD1	PHLD_HUMAN	671930 ± 387749	476130 ± 213081
Desmoglein-1 DSG1	DSG1_HUMAN	584302 ± 400789	326740 ± 217557
Antithrombin-III SERPINC1	ANT3_HUMAN	357458 ± 284129	341445 ± 145447
Ras-related C3 botulinum toxin substrate 2 RAC2	RAC2_HUMAN	70358 ± 126793	86725 ± 247748
DNA annealing helicase and endonuclease ZRANB3	ZRAB3_HUMAN	237672 ± 250635	33651 ± 31312
C5a anaphylatoxin chemotactic receptor 1 C5AR1	C5AR1_HUMAN	65707 ± 124960	9064 ± 16546
Apolipoprotein M APOM	APOM_HUMAN	670910 ± 274186	793738 ± 560776
Laminin subunit beta-1 LAMB1	LAMB1_HUMAN	126756 ± 97660	234263 ± 272232
Keratin, type II cytoskeletal 78 KRT78	K2C78_HUMAN	369513 ± 143325	476734 ± 157334
Leukocyte surface antigen CD53 CD53	CD53_HUMAN	111041 ± 124995	37368 ± 29547
Platelet-activating factor acetylhydrolase PLA2G7	PAFA_HUMAN	2360169 ± 3049985	1719543 ± 692437
Immunoglobulin heavy variable 3-64D IGHV3-64D	HV64D_HUMAN	578510 ± 241840	563542 ± 374565
Cancer-associated gene 1 protein CAGE1	CAGE1_HUMAN	800223 ± 743676	228230 ± 268654
Immunoglobulin lambda variable 2-14 IGLV2-14	LV214_HUMAN	877845 ± 771877	450824 ± 875631
Ras-related protein Rab-10 RAB10	RAB10_HUMAN	159081 ± 153778	97442 ± 52196
Solute carrier family 2, facilitated glucose transporter member 1 SLC2A1	GTR1_HUMAN	579998 ± 1213019	230994 ± 127231
Alkaline phosphatase, tissue-nonspecific isozyme	PPBT_HUMAN	55832 ± 109874	18592 ± 19319

ALPL			
Integrin beta-1 ITGB1	ITB1_HUMAN	70474 ± 107392	27433 ± 29444
Complement component C8 alpha chain C8A	CO8A_HUMAN	219212 ± 72191	300172 ± 164616
Carbonic anhydrase 1 CA1	CAH1_HUMAN	492797 ± 608045	457445 ± 322098
Tubulin alpha-1A chain TUBA1A	TBA1A_HUMAN	203753 ± 133368	247606 ± 246097
Sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1 SVEP1	SVEP1_HUMAN	173048 ± 143710	319730 ± 438368
Immunoglobulin kappa variable 1-27 IGKV1-27	KV127_HUMAN	1010308 ± 659087	691658 ± 634301
Alpha-2-HS-glycoprotein AHSG	FETUA_HUMAN	329665 ± 268532	456963 ± 284146
Immunoglobulin heavy variable 3-13 IGHV3-13	HV313_HUMAN	377984 ± 308614	350940 ± 456215
Collagen alpha-1(VI) chain COL6A1	CO6A1_HUMAN	471143 ± 172915	862163 ± 648385
Pescadillo homolog PES1	PESC_HUMAN	232955 ± 64342	380772 ± 188638
Erythrocyte membrane protein band 4.2 EPB42	EPB42_HUMAN	565667 ± 1266685	123825 ± 80997
Immunoglobulin heavy variable 1-18 IGHV1-18	HV118_HUMAN	722507 ± 404992	1038799 ± 714350
Histone-lysine N-methyltransferase 2C KMT2C	KMT2C_HUMAN	139252 ± 108421	127257 ± 148414
Cortactin-binding protein 2 CTTNBP2	CTTB2_HUMAN	275956 ± 154698	506768 ± 482809
Platelet factor 4 PF4	PLF4_HUMAN	148418 ± 123849	246094 ± 230565
HLA class I histocompatibility antigen, B-7 alpha chain HLA-B	1B07_HUMAN	102589 ± 96444	63891 ± 63805
Syntenin-1 SDCBP	SDCB1_HUMAN	50868 ± 77904	25290 ± 19018
Hemicentin-1 HMCN1	HMCN1_HUMAN	127859 ± 72530	142530 ± 114176
Synapsin-3 SYN3	SYN3_HUMAN	264439 ± 160545	505829 ± 271442
Pyruvate kinase PKM PKM	KPYM_HUMAN	133953 ± 58084	235247 ± 162735
Protein Z-dependent protease inhibitor SERPINA10	ZPI_HUMAN	54406 ± 66289	49956 ± 33294
BPI fold-containing family B member 1 BPIFB1	BPIB1_HUMAN	154428 ± 164932	125204 ± 113473
Protein AMBP AMBP	AMBP_HUMAN	211386 ± 114454	761721 ± 833916
Heparin cofactor 2 SERPIND1	HEP2_HUMAN	409903 ± 332078	868816 ± 767797
Cholesteryl ester transfer protein CETP	CETP_HUMAN	149081 ± 79458	106455 ± 64149
HLA class I histocompatibility antigen, Cw-2 alpha chain HLA-C	1C02_HUMAN	99987 ± 85262	64907 ± 63742
Tyrosine-protein kinase HCK HCK	HCK_HUMAN	54599 ± 69538	26564 ± 23799
Uncharacterized protein C4orf22 C4orf22	CD022_HUMAN	140833 ± 33793	144061 ± 88973
Cofilin-1 CFL1	COF1_HUMAN	55356 ± 68780	70648 ± 87748
Target of Nesh-SH3 ABI3BP	TARSH_HUMAN	230080 ± 145014	236777 ± 193909
L-selectin SELL	LYAM1_HUMAN	93010 ± 70537	46040 ± 44250
Alpha-enolase ENO1	ENOA_HUMAN	72591 ± 63195	112603 ± 140002
Hemoglobin subunit delta HBD	HBD_HUMAN	369038 ± 726754	700978 ± 566619
Lipopolysaccharide-binding protein LBP	LBP_HUMAN	637650 ± 377351	1186803 ± 684358
Adiponectin ADIPOQ	ADIPO_HUMAN	687010 ± 831581	621642 ± 627437
Complement component C6 C6	CO6_HUMAN	268122 ± 251332	536930 ± 352699
Immunoglobulin heavy constant delta IGHD	IGHD_HUMAN	129200 ± 33837	338977 ± 580449
Immunoglobulin lambda variable 3-10 IGLV3-10	LV310_HUMAN	561074 ± 448531	302747 ± 217757
Alpha-synuclein SNCA	SYUA_HUMAN	451149 ± 930308	304988 ± 469175
Histone H2B type 1-A HIST1H2BA	H2B1A_HUMAN	32957 ± 49437	56150 ± 33763
Laminin subunit alpha-2 LAMA2	LAMA2_HUMAN	84026 ± 55126	112548 ± 97813
Protein RRNAD1 RRNAD1	RRNAD_HUMAN	131705 ± 79775	202248 ± 167548
Phospholipid transfer protein PLTP	PLTP_HUMAN	211491 ± 127276	202437 ± 57280
Keratin, type I cytoskeletal 17 KRT17	K1C17_HUMAN	509900 ± 721977	183802 ± 177445
Complement component C7 C7	CO7_HUMAN	129423 ± 122631	305605 ± 152676
Flotillin-1 FLOT1	FLOT1_HUMAN	125741 ± 44039	136664 ± 43869
Complement component C8 gamma chain C8G	CO8G_HUMAN	57066 ± 53904	175033 ± 105886
Phosphatidylcholine translocator ABCB4 ABCB4	MDR3_HUMAN	53010 ± 50868	410137 ± 793489
Keratin, type II cytoskeletal 6B KRT6B	K2C6B_HUMAN	135757 ± 72176	179749 ± 241024
Immunoglobulin lambda variable 4-69 IGLV4-69	LV469_HUMAN	295119 ± 118846	185968 ± 105095
Protein 4.1 EPB41	41_HUMAN	329359 ± 667922	120576 ± 49632
78 kDa glucose-regulated protein HSPA5	GRP78_HUMAN	100896 ± 42797	99203 ± 57699
Immunoglobulin heavy variable 4-4 IGHV4-4	HV404_HUMAN	173428 ± 59301	225286 ± 131244
14-3-3 protein zeta/delta YWHAZ	1433Z_HUMAN	78832 ± 57776	108541 ± 125718
Immunoglobulin kappa variable 3D-15 IGKV3D-15	KVD15_HUMAN	283300 ± 155829	269801 ± 179368
Annexin A2 ANXA2	ANXA2_HUMAN	98950 ± 60277	48506 ± 27055
Apolipoprotein A-V APOA5	APOA5_HUMAN	93899 ± 87712	53990 ± 63586
Alanine aminotransferase 2 GPT2	ALAT2_HUMAN	213685 ± 238754	101527 ± 111676
Collagen alpha-2(VI) chain COL6A2	CO6A2_HUMAN	114077 ± 75735	312691 ± 660891
Pro-low-density lipoprotein receptor-related protein 1 LRP1	LRP1_HUMAN	106246 ± 48304	107732 ± 48399

Transitional endoplasmic reticulum ATPase VCP	TERA_HUMAN	165768 ± 262350	98656 ± 84415
Collectin-11 COLEC11	COL11_HUMAN	64757 ± 35529	55339 ± 66325
Transthyretin TTR	TTHY_HUMAN	148003 ± 123152	163135 ± 128942
Complement factor I CFI	CFAI_HUMAN	62919 ± 48044	76087 ± 70526
Pregnancy zone protein PZP	PZP_HUMAN	2921391 ± 5472975	732173 ± 737709
Angiopoietin-related protein 6 ANGPTL6	ANGL6_HUMAN	70943 ± 34175	76687 ± 38154
Tubulin alpha-4A chain TUBA4A	TBA4A_HUMAN	68892 ± 48933	86701 ± 99283
Bile salt export pump ABCB11	ABCB11_HUMAN	37355 ± 28498	78928 ± 53331
Platelet glycoprotein Ib alpha chain GP1BA	GP1BA_HUMAN	94232 ± 39181	139853 ± 75523
Platelet glycoprotein 4 CD36	CD36_HUMAN	84572 ± 62811	87213 ± 49918
Immunoglobulin heavy variable 5-10-1 IGHV5-10-1	HV5X1_HUMAN	137283 ± 67510	146483 ± 169992
Alpha-ketoglutarate-dependent dioxygenase alkB homolog 6 ALKBH6	ALKB6_HUMAN	67142 ± 19205	71397 ± 38598
Insulin-like growth factor-binding protein complex acid labile subunit IGFALS	ALS_HUMAN	109095 ± 127338	56547 ± 52220
Hyaluronan-binding protein 2 HABP2	HABP2_HUMAN	80039 ± 33167	117420 ± 81583
Patched domain-containing protein 3 PTHD3	PTHD3_HUMAN	121908 ± 63184	120193 ± 47196
Pentraxin-related protein PTX3 PTX3	PTX3_HUMAN	51373 ± 47320	181855 ± 450934
Immunoglobulin kappa joining 1 IGKJ1	KJ01_HUMAN	124804 ± 105898	215381 ± 531491
Immunoglobulin lambda variable 1-44 IGLV1-44	LV144_HUMAN	197636 ± 187704	64834 ± 37054
Desmoplakin DSP	DESP_HUMAN	153423 ± 115032	147241 ± 44204
Alpha-actinin-1 ACTN1	ACTN1_HUMAN	36487 ± 42139	96500 ± 186501
Major vault protein MVP	MVP_HUMAN	67032 ± 53352	102787 ± 117339
Immunoglobulin lambda variable 7-46 IGLV7-46	LV746_HUMAN	209399 ± 92760	150371 ± 123099
B-cell lymphoma/leukemia 10 BCL10	BCL10_HUMAN	82854 ± 78062	13560 ± 33445
Complement C2 C2	CO2_HUMAN	57104 ± 39606	114847 ± 72161
Myosin-9 MYH9	MYH9_HUMAN	208080 ± 148114	476096 ± 412115
Immunoglobulin heavy variable 1-2 IGHV1-2	HV102_HUMAN	510017 ± 330292	453361 ± 320739
Neutrophil defensin 1 DEFA1	DEF1_HUMAN	21137 ± 23476	237326 ± 710552
Inactive phospholipase D5 PLD5	PLD5_HUMAN	174072 ± 137200	220200 ± 326483
RelA-associated inhibitor PPP1R13L	IASPP_HUMAN	106699 ± 81080	124440 ± 76797
L-lactate dehydrogenase B chain LDHB	LDHB_HUMAN	131309 ± 232903	108129 ± 130213
Cartilage oligomeric matrix protein COMP	COMP_HUMAN	157935 ± 95936	330855 ± 437950
Properdin CFP	PROP_HUMAN	86697 ± 41850	141414 ± 130956
Plasma kallikrein KLKB1	KLKB1_HUMAN	280756 ± 433866	81490 ± 51316
Immunoglobulin heavy variable 1-69D IGHV1-69D	HV69D_HUMAN	86755 ± 40537	85589 ± 43668
Ammonium transporter Rh type A RHAG	RHAG_HUMAN	105936 ± 232850	41272 ± 30435
Immunoglobulin lambda variable 3-25 IGLV3-25	LV325_HUMAN	275587 ± 188322	312895 ± 302291
Collagen alpha-1(I) chain COL1A1	CO1A1_HUMAN	99048 ± 125853	146520 ± 278280
Macrophage receptor MARCO MARCO	MARCO_HUMAN	101533 ± 82714	117817 ± 114755
Cartilage acidic protein 1 CRTAC1	CRAC1_HUMAN	62151 ± 59005	59601 ± 55153
Thrombospondin-4 THBS4	TSP4_HUMAN	142134 ± 66227	203374 ± 173054
Immunoglobulin lambda variable 9-49 IGLV9-49	LV949_HUMAN	93521 ± 68406	58430 ± 35274
Tubulin beta-4A chain TUBB4A	TBB4A_HUMAN	51540 ± 36561	92479 ± 94794
Immunoglobulin heavy variable 3-73 IGHV3-73	HV373_HUMAN	145045 ± 52738	106727 ± 43363
Cullin-associated NEDD8-dissociated protein 2 CAND2	CAND2_HUMAN	114226 ± 135317	71106 ± 53074
Transforming growth factor-beta-induced protein ig-h3 TGFBI	BGH3_HUMAN	57970 ± 34292	85828 ± 76728
CD9 antigen CD9	CD9_HUMAN	43571 ± 45171	59398 ± 57669
Mannan-binding lectin serine protease 1 MASP1	MASP1_HUMAN	95367 ± 24208	128614 ± 67640
Skin-specific protein 32 XP32	XP32_HUMAN	89884 ± 54476	89891 ± 44202
Clathrin heavy chain 1 CLTC	CLH1_HUMAN	99145 ± 190018	44477 ± 41629
Methionine--tRNA ligase, cytoplasmic MARS	SYMC_HUMAN	61893 ± 50114	2339 ± 3449
Immunoglobulin lambda variable 3-27 IGLV3-27	LV327_HUMAN	77160 ± 82169	85184 ± 129456
Immunoglobulin lambda variable 2-11 IGLV2-11	LV211_HUMAN	205679 ± 96672	108228 ± 118130
WD repeat-containing protein 1 WDR1	WDR1_HUMAN	32668 ± 37885	66104 ± 106150
Fructose-bisphosphate aldolase A ALDOA	ALDOA_HUMAN	64391 ± 96470	49291 ± 72715
Proteasome subunit beta type-6 PSMB6	PSB6_HUMAN	94162 ± 189702	30397 ± 27435
Immunoglobulin lambda variable 2-23 IGLV2-23	LV223_HUMAN	92219 ± 72818	95345 ± 120971
Hornerin HRNR	HORN_HUMAN	551649 ± 390105	522433 ± 235814
Ficolin-2 FCN2	FCN2_HUMAN	120932 ± 65963	337120 ± 103519
Complement component C8 beta chain C8B	CO8B_HUMAN	66788 ± 28125	129589 ± 75510
Hepatocyte growth factor activator HGFAC	HGFA_HUMAN	63018 ± 39091	59676 ± 30591
Flotillin-2 FLOT2	FLOT2_HUMAN	85452 ± 113863	4641 ± 7677

Immunoglobulin lambda constant 3 IGLC3	IGLC3_HUMAN	208670 ± 271355	73070 ± 135218
Fibulin-1 FBLN1	FBLN1_HUMAN	82042 ± 63050	216714 ± 111497
Immunoglobulin epsilon heavy chain	IGE_HUMAN	331595 ± 203972	926593 ± 2077709
Cathepsin G CTSG	CATG_HUMAN	38001 ± 64703	65608 ± 107677
BRCA1-associated protein BRAP	BRAP_HUMAN	55564 ± 31538	54620 ± 36550
Immunoglobulin kappa variable 6-21 IGKV6-21	KV621_HUMAN	376409 ± 257200	254105 ± 208633
Junction plakoglobin JUP	PLAK_HUMAN	236327 ± 245306	73799 ± 42701
Immunoglobulin heavy variable 2-26 IGHV2-26	HV226_HUMAN	166084 ± 103830	245630 ± 236406
Filaggrin-2 FLG2	FILA2_HUMAN	191156 ± 363316	262301 ± 295684
Serine/threonine-protein kinase pim-1 PIM1	PIM1_HUMAN	69543 ± 87721	104953 ± 84581
Afamin AFM	AFAM_HUMAN	90422 ± 75069	85894 ± 89194
Keratin, type II cytoskeletal 1b KRT77	K2C1B_HUMAN	98249 ± 78889	85252 ± 27143
Immunoglobulin kappa variable 1-12 IGKV1-12	KV112_HUMAN	207864 ± 112106	78316 ± 54954
Ankyrin-3 ANK3	ANK3_HUMAN	74525 ± 175652	32164 ± 56891
Protein Jade-3 JADE3	JADE3_HUMAN	187916 ± 211920	312502 ± 227852
Selenoprotein P SELENOP	SEPP1_HUMAN	32004 ± 41328	73524 ± 53636
Sentrin-specific protease 2 SENP2	SENP2_HUMAN	88193 ± 47172	254345 ± 166300
Proteasome subunit alpha type-7-like PSMA8	PSA7L_HUMAN	60971 ± 114091	27911 ± 23511
Complement factor H-related protein 1 CFHR1	FHR1_HUMAN	26799 ± 19180	50550 ± 21247
Complement factor H-related protein 4 CFHR4	FHR4_HUMAN	56889 ± 57990	90243 ± 81294
Immunoglobulin kappa variable 1D-13 IGKV1D-13	KVD13_HUMAN	73407 ± 48073	744240 ± 889874
Arginase-1 ARG1	ARG1_HUMAN	66187 ± 38387	41823 ± 14352
Immunoglobulin heavy variable 3-48 IGHV3-48	HV348_HUMAN	186014 ± 138972	74159 ± 83015
Immunoglobulin heavy variable 4-30-2 IGHV4-30-2	HV432_HUMAN	77776 ± 41341	104088 ± 74776
Blood group Rh(CE) polypeptide RHCE	RHCE_HUMAN	144201 ± 359831	10168 ± 11230
Cholinesterase BCHE	CHLE_HUMAN	96618 ± 67260	123552 ± 96428
Immunoglobulin heavy variable 3-43 IGHV3-43	HV343_HUMAN	251897 ± 260667	203271 ± 165665
Immunoglobulin lambda variable 2-18 IGLV2-18	LV218_HUMAN	21651 ± 24772	51169 ± 150943
Aldehyde dehydrogenase family 16 member A1 ALDH16A1	A16A1_HUMAN	75297 ± 111458	24877 ± 21530
Acylamino-acid-releasing enzyme APEH	ACPH_HUMAN	79402 ± 180230	17275 ± 22547
N-acetylmuramoyl-L-alanine amidase PGLYRP2	PGRP2_HUMAN	57239 ± 38774	61575 ± 52366
Immunoglobulin heavy variable 3-64 IGHV3-64	HV364_HUMAN	65864 ± 35400	219132 ± 556631
Delta-aminolevulinic acid dehydratase ALAD	HEM2_HUMAN	76409 ± 184878	18497 ± 18777
C4b-binding protein beta chain C4BPB	C4BPB_HUMAN	78254 ± 93419	118091 ± 68169
Attractin ATRN	ATRN_HUMAN	50877 ± 51401	84849 ± 53781
Immunoglobulin lambda variable 5-45 IGLV5-45	LV545_HUMAN	346762 ± 245410	273490 ± 478971
Unconventional myosin-XV MYO15A	MYO15_HUMAN	33880 ± 50584	75141 ± 44464
Immunoglobulin heavy variable 1-3 IGHV1-3	HV103_HUMAN	14217 ± 5130	62727 ± 116125
Sorting nexin-32 SNX32	SNX32_HUMAN	37517 ± 30329	98967 ± 81231
NEDD4-binding protein 2 N4BP2	N4BP2_HUMAN	93827 ± 53532	299233 ± 211520
Sex hormone-binding globulin SHBG	SHBG_HUMAN	95356 ± 101990	54153 ± 57046
Proteasome subunit beta type-5 PSMB5	PSB5_HUMAN	52101 ± 119238	9471 ± 14192
Immunoglobulin lambda variable 6-57 IGLV6-57	LV657_HUMAN	120121 ± 116600	55702 ± 49918
Dematin DMTN	DEMA_HUMAN	113926 ± 268861	9572 ± 16559
Azurocidin AZU1	CAP7_HUMAN	17973 ± 44572	55189 ± 167123
Immunoglobulin lambda constant 7 IGLC7	IGLC7_HUMAN	78228 ± 134749	43017 ± 41264
55 kDa erythrocyte membrane protein MPP1	EM55_HUMAN	50937 ± 131011	9441 ± 13045
Sodium-dependent phosphate transport protein 2C SLC34A3	NPT2C_HUMAN	364509 ± 632451	57592 ± 104821
Immunoglobulin heavy variable 2-70D IGHV2-70D	HV70D_HUMAN	202397 ± 256511	238749 ± 315803
OTU domain-containing protein 7A OTUD7A	OTU7A_HUMAN	32368 ± 53994	428175 ± 756816
N-terminal EF-hand calcium-binding protein 2 NECAB2	NECA2_HUMAN	59166 ± 154281	186 ± 588
Immunoglobulin lambda variable 10-54 IGLV10-54	LVX54_HUMAN	82279 ± 104217	483364 ± 1206433
Nesprin-2	SYNE2_HUMAN	62997 ± 166674	0
Mannose-binding protein C MBL2	MBL2_HUMAN	49384 ± 50094	58627 ± 58577
Glutaredoxin domain-containing cysteine-rich protein 2 GRXCR2	GRCR2_HUMAN	308 ± 614	74073 ± 255345
Coagulation factor XII F12	FA12_HUMAN	62296 ± 62873	79392 ± 56831
Dual specificity mitogen-activated protein kinase kinase 7 MAP2K7	MP2K7_HUMAN	45734 ± 36650	188044 ± 152136

Table S5: Proteomic analysis of the liposomal corona fingerprints. List of all proteins with their accession numbers and mean normalized abundance (MNA) values identified in the liposomal protein corona of healthy volunteers, SIRS and sepsis patients by LC-MS/MS, as these are shown in the heatmap of **Figure S2A**.

Identified Proteins (n=418)	Accession Number	MNA (Healthy Controls)	MNA (SIRS Patients)	MNA (Sepsis Patients)
Fibrinogen beta chain FGB	FIBB_HUMAN	381180814 ± 59246149	519135380 ± 233801405	571802930 ± 211200845
Alpha-2-macroglobulin A2M	A2MG_HUMAN	311768834 ± 108922920	206333936 ± 83765139	299222024 ± 123808631
Fibrinogen alpha chain FGA	FIBA_HUMAN	268461349 ± 34625506	293217455 ± 201871999	522178319 ± 237107687
Fibrinogen gamma chain FGG	FIBG_HUMAN	285052250 ± 44586490	416624035 ± 206475992	499763576 ± 231350866
Apolipoprotein B-100 APOB	APOB_HUMAN	258589308 ± 50339917	204536205 ± 48550777	235914898 ± 57012711
Serum albumin ALB	ALBU_HUMAN	195189496 ± 144962470	160508642 ± 173691391	170386675 ± 101450990
Haptoglobin HP	HPT_HUMAN	192090434 ± 152571397	243914462 ± 117375095	654198771 ± 571536346
Immunoglobulin heavy constant alpha 1 IGHA1	IGHA1_HUMAN	118530889 ± 63144430	89192867 ± 45881744	197267384 ± 185653801
Immunoglobulin kappa constant IGKC	IGKC_HUMAN	154049288 ± 75308472	192013884 ± 76807386	159437480 ± 86082199
Immunoglobulin heavy constant mu IGHM	IGHM_HUMAN	212410965 ± 128322024	184708326 ± 74267728	133865236 ± 80823194
Immunoglobulin gamma-1 heavy chain	IGG1_HUMAN	98901235 ± 58225387	47468193 ± 41819475	109444835 ± 86755063
C4b-binding protein alpha chain C4BPA	C4BPA_HUMAN	110695145 ± 24721170	114972192 ± 36056102	109293675 ± 37371028
Immunoglobulin kappa light chain	IGK_HUMAN	79335188 ± 38783768	98886907 ± 39555707	82110100 ± 44332223
Glutamate receptor ionotropic, delta-2 GRID2	GRID2_HUMAN	53150291 ± 31267074	46444134 ± 42036124	49833326 ± 27906039
Apolipoprotein A-I APOA1	APOA1_HUMAN	30835772 ± 15352010	10410802 ± 5697630	11251521 ± 4743384
Apolipoprotein E APOE	APOE_HUMAN	80365516 ± 38783878	43228900 ± 16498888	58950451 ± 24785431
Fibronectin FN1	FINC_HUMAN	41139223 ± 13447428	18948682 ± 13847718	10668397 ± 5902490
Apolipoprotein L1 APOL1	APOL1_HUMAN	72801581 ± 37280489	71813654 ± 28789768	44325683 ± 24438506
Keratin, type II cytoskeletal 1 KRT1	K2C1_HUMAN	36589677 ± 18537631	66674025 ± 82577627	46555323 ± 16968774
Galectin-3-binding protein LGALS3BP	LG3BP_HUMAN	37710344 ± 16082076	32962696 ± 13449903	40991745 ± 15585863
Immunoglobulin heavy constant gamma 2 IGHG2	IGHG2_HUMAN	22199894 ± 10630957	9261766 ± 7225414	22597294 ± 16336761
Complement C3 C3	CO3_HUMAN	34663954 ± 18316950	18264052 ± 17732852	33721314 ± 13627419
Vitamin K-dependent protein S PROS1	PROS_HUMAN	36278669 ± 9929998	38472729 ± 11694830	28804201 ± 7053104
Keratin, type I cytoskeletal 10 KRT10	K1C10_HUMAN	16744854 ± 10990881	17932989 ± 12122999	17917222 ± 6465057
von Willebrand factor VWF	VWF_HUMAN	22905547 ± 22059289	107492832 ± 110401762	44019640 ± 48858868
Complement C1q subcomponent subunit C C1QC	C1QC_HUMAN	16016522 ± 6026671	15394555 ± 4629928	19005456 ± 5711214
Keratin, type I cytoskeletal 9 KRT9	K1C9_HUMAN	17386604 ± 10209601	27677552 ± 34197813	20404848 ± 7784872
Keratin, type II cytoskeletal 2 epidermal KRT2	K22E_HUMAN	11868336 ± 7062388	17276721 ± 18365457	13542610 ± 3803167
Inter-alpha-trypsin inhibitor heavy chain H2 ITIH2	ITIH2_HUMAN	17255250 ±	7657687 ±	11511926 ±

		8078666	6518235	6642285
CD5 antigen-like CD5L	CD5L_HUMAN	24744268 ± 13911088	30395679 ± 15527018	17699895 ± 10483924
Complement C4-B C4B	CO4B_HUMAN	19877711 ± 7978393	14875136 ± 7374258	18764025 ± 7549238
Immunoglobulin lambda-1 light chain	IGL1_HUMAN	10748719 ± 3387959	15500933 ± 7690961	10974836 ± 3410978
Haptoglobin-related protein HPR	HPTR_HUMAN	16931495 ± 7251211	17563894 ± 10423544	21498260 ± 15310853
Immunoglobulin heavy constant gamma 4IGHG4	IGHG4_HUMAN	9856272 ± 7103028	3141288 ± 2569213	9691615 ± 12280442
Complement C1q subcomponent subunit B C1QB	C1QB_HUMAN	10759856 ± 4002388	9014762 ± 3052857	11648127 ± 3321023
Serum paraoxonase/arylesterase 1 PON1	PON1_HUMAN	7363443 ± 2680845	5921447 ± 1558631	5496456 ± 2196552
Immunoglobulin heavy constant gamma 3IGHG3	IGHG3_HUMAN	8743594 ± 4088329	4729930 ± 4144253	10772651 ± 7137660
Inter-alpha-trypsin inhibitor heavy chain H1 ITIH1	ITIH1_HUMAN	9759275 ± 4592258	5137024 ± 4397300	6959688 ± 3603305
Clusterin CLU	CLUS_HUMAN	10949105 ± 2309576	10798608 ± 3386332	11285039 ± 4915495
Complement factor H CFH	CFAH_HUMAN	11639055 ± 4150514	7063886 ± 5803173	10778277 ± 3818421
Ceruloplasmin CP	CERU_HUMAN	8582314 ± 4038345	5366046 ± 3288130	6908190 ± 3218313
Serine palmitoyltransferase 2 SPTLC2	SPTC2_HUMAN	9026188 ± 2939703	8558349 ± 4291618	11956385 ± 5326455
Calcium-independent phospholipase A2-gamma PNPLA8	PLPL8_HUMAN	4327517 ± 2281055	5009554 ± 2472582	5051253 ± 3598077
Apolipoprotein C-III APOC3	APOC3_HUMAN	14877498 ± 12373397	8115171 ± 5347507	16259897 ± 13918980
Complement C1r subcomponent C1R	C1R_HUMAN	10188198 ± 2867978	20508132 ± 15498129	16257452 ± 5965465
Complement C4-A C4A	CO4A_HUMAN	8642011 ± 3690365	6710704 ± 2931472	8924014 ± 3920466
IgGfC-binding protein FCGBP	FCGBP_HUMAN	7928162 ± 4321057	8030570 ± 4008543	12722700 ± 10014043
Serotransferrin TF	TRFE_HUMAN	7661826 ± 6243516	4983808 ± 4869212	7023157 ± 5365656
Endophilin-A3 SH3GL3	SH3G3_HUMAN	4906665 ± 2925323	3389849 ± 1917093	8951098 ± 7855079
Immunoglobulin kappa variable 4-1 IGKV4-1	KV401_HUMAN	9255521 ± 4327203	9380451 ± 3144231	5799019 ± 3083111
Immunoglobulin kappa variable 2-28 IGKV2-28	KV228_HUMAN	6923739 ± 3363908	8123407 ± 4052220	6498669 ± 4120983
Immunoglobulin J chain JCHAIN	IGJ_HUMAN	8209416 ± 3709107	8734779 ± 3921818	6595440 ± 6495847
Immunoglobulin kappa variable 3-15 IGKV3-15	KV315_HUMAN	7973043 ± 3249260	8107336 ± 3814722	7890894 ± 5482508
Plasma protease C1 inhibitor SERPING1	IC1_HUMAN	6284789 ± 1484170	8161893 ± 2862473	8437509 ± 2716682
Alpha-1-antitrypsin SERPINA1	A1AT_HUMAN	5464624 ± 2241241	8683158 ± 5213719	12953102 ± 5160533
Hemopexin HPX	HEMO_HUMAN	5019345 ± 3322332	4543423 ± 4058790	5124489 ± 2642893
Immunoglobulin kappa variable 3-20 IGKV3-20	KV320_HUMAN	5966455 ± 3013298	8360026 ± 5469834	4300186 ± 2255060
Proteoglycan 4 PRG4	PRG4_HUMAN	3231849 ± 2625224	3309836 ± 2573566	2561823 ± 1566563
Serum amyloid A-4 protein SAA4	SAA4_HUMAN	6208702 ± 1698877	4482615 ± 951661	5091280 ± 1775501
Complement C1q subcomponent subunit A C1QA	C1QA_HUMAN	4157503 ± 1462882	3069391 ± 1185844	4777465 ± 2088198
Ficolin-3 FCN3	FCN3_HUMAN	5437275 ± 3221615	10193327 ± 4089766	7688645 ± 3629793
Apolipoprotein C-I APOC1	APOC1_HUMAN	5925591 ± 1872306	3069656 ± 1242129	4189001 ± 1887179

Immunoglobulin heavy variable 4-38-2 IGHV4-38-2	HVD82_HUMAN	6942352 ± 3084979	6250085 ± 3254824	4354387 ± 1619552
Immunoglobulin heavy variable 3-15 IGHV3-15	HV315_HUMAN	4577417 ± 2195742	4638068 ± 1493728	3236086 ± 1365613
Immunoglobulin kappa variable 2-30 IGKV2-30	KV230_HUMAN	5892710 ± 3345246	6412738 ± 3887263	5015580 ± 4347302
Guanine nucleotide-binding protein G(i) subunit alpha-2 GNAI2	GNAI2_HUMAN	4227375 ± 2065944	3843117 ± 1822316	1298186 ± 846233
Immunoglobulin heavy variable 3-72 IGHV3-72	HV372_HUMAN	4234722 ± 2161656	4251874 ± 1390971	3134323 ± 1379430
Complement factor B CFB	CFAB_HUMAN	4699343 ± 3252367	9516604 ± 4693949	14723891 ± 14418871
Immunoglobulin heavy variable 6-1 IGHV6-1	HV601_HUMAN	5778963 ± 3415986	4618148 ± 2168225	2221097 ± 1357503
Immunoglobulin lambda variable 3-21 IGLV3-21	LV321_HUMAN	2860728 ± 1097183	2490657 ± 1131623	3316438 ± 2795488
Apolipoprotein A-II APOA2	APOA2_HUMAN	1755273 ± 665297	867035 ± 546235	1107492 ± 444907
Fibrillin-1 FBN1	FBN1_HUMAN	3331792 ± 2968148	3538388 ± 1587438	7479265 ± 6038165
Immunoglobulin heavy variable 3-74 IGHV3-74	HV374_HUMAN	4827569 ± 3371112	4895732 ± 3088108	3111858 ± 1660318
Immunoglobulin kappa variable 3-11 IGKV3-11	KV311_HUMAN	3825232 ± 1665582	3534534 ± 1221649	2085485 ± 928712
Immunoglobulin heavy variable 3-7 IGHV3-7	HV307_HUMAN	4483139 ± 2322347	3511838 ± 1306357	3784254 ± 1716261
Filamin-A FLNA	FLNA_HUMAN	1504854 ± 469514	2240734 ± 611226	2169005 ± 717778
Apolipoprotein D APOD	APOD_HUMAN	2537531 ± 683473	1432808 ± 350875	1582701 ± 668404
Immunoglobulin kappa variable 2-24 IGKV2-24	KV224_HUMAN	5402866 ± 3625013	6366039 ± 2909130	3344741 ± 1666140
Apolipoprotein(a) LPA	APOA_HUMAN	25867488 ± 23283733	14548833 ± 27494122	22658955 ± 36360352
Immunoglobulin kappa variable 1D-13 IGKV1D-13	KVD13_HUMAN	891643 ± 1437184	73407 ± 48073	744240 ± 889874
Vitronectin VTN	VTNC_HUMAN	2018260 ± 766568	1428953 ± 601301	1968008 ± 547405
Platelet-activating factor acetylhydrolase PLA2G7	PAFA_HUMAN	1728087 ± 916205	2360169 ± 3049985	1719543 ± 692437
Immunoglobulin lambda variable 2-14 IGLV2-14	LV214_HUMAN	1089389 ± 896413	877845 ± 771877	450824 ± 875631
Carboxypeptidase N catalytic chain CPN1	CBPN_HUMAN	1700198 ± 478876	1719894 ± 1292374	2863202 ± 1268999
Coagulation factor XIII B chain F13B	F13B_HUMAN	2313450 ± 409621	1432065 ± 296825	1485403 ± 593596
Immunoglobulin heavy variable 5-51 IGHV5-51	HV551_HUMAN	3126585 ± 1801178	2443193 ± 644513	1976305 ± 845765
Src substrate cortactin CTTN	SRC8_HUMAN	1682805 ± 1086295	3149422 ± 1659290	2611398 ± 2316912
Immunoglobulin lambda variable 1-47 IGLV1-47	LV147_HUMAN	1390541 ± 576303	1321633 ± 521630	1361687 ± 838858
Inter-alpha-trypsin inhibitor heavy chain H4 ITIH4	ITIH4_HUMAN	1314192 ± 751316	1052619 ± 696782	2256965 ± 1039120
Hemoglobin subunit beta HBB	HBB_HUMAN	1498914 ± 892820	36436298 ± 68476340	53965446 ± 38898078
Microsomal triglyceride transfer protein large subunit MTTP	MTP_HUMAN	1191779 ± 394676	1249930 ± 743551	2085596 ± 972288
AT-rich interactive domain-containing protein 4B ARID4B	ARI4B_HUMAN	3212716 ± 2462163	6450802 ± 2600277	6084720 ± 4996168
Apolipoprotein C-IV APOC4	APOC4_HUMAN	3166012 ± 2926156	1585234 ± 694428	1558560 ± 1602141
Keratin, type II cytoskeletal 5 KRT5	K2C5_HUMAN	1561482 ± 981757	2019621 ± 1605132	1639499 ± 796731
Apolipoprotein A-IV APOA4	APOA4_HUMAN	904282 ± 384561	571275 ± 247420	1135789 ± 1656504
Histidine-rich glycoprotein HRG	HRG_HUMAN	1458303 ±	1202017 ±	1507501 ±

		576864	535848	545553
Immunoglobulin kappa variable 1-5 IGKV1-5	KV105_HUMAN	1692936 ± 780337	2817238 ± 1404092	1417832 ± 1152124
Complement C1s subcomponent C1S	C1S_HUMAN	2362699 ± 955127	2173879 ± 1201528	2580635 ± 1074380
Gamma-aminobutyric acid receptor subunit alpha-1 GABRA1	GBRA1_HUMAN	2034305 ± 1344836	3257586 ± 1971587	1507818 ± 969347
Hemoglobin subunit alpha HBA1	HBA_HUMAN	1871499 ± 938461	30987069 ± 53368734	63175427 ± 42573968
Coagulation factor V F5	FA5_HUMAN	1575903 ± 317769	1798540 ± 858034	1419225 ± 611824
Coiled-coil domain-containing protein 88B CCDC88B	CC88B_HUMAN	1157637 ± 803624	1103884 ± 542041	750466 ± 747566
Inter-alpha-trypsin inhibitor heavy chain H3 ITIH3	ITIH3_HUMAN	1361400 ± 873778	1809641 ± 649747	3429943 ± 1741171
Angiotensinogen AGT	ANGT_HUMAN	647793 ± 336745	906794 ± 889142	471842 ± 143579
Immunoglobulin kappa variable 1-39 IGKV1-39	KV139_HUMAN	1795876 ± 1415790	2299239 ± 1369544	1392800 ± 1479591
Keratin, type I cytoskeletal 14 KRT14	K1C14_HUMAN	1332471 ± 653890	2110467 ± 1611819	1828349 ± 1091723
Plasminogen PLG	PLMN_HUMAN	1086977 ± 638253	674485 ± 467519	1077769 ± 631791
Complement C5 C5	CO5_HUMAN	1259559 ± 557586	987653 ± 804650	2096156 ± 766611
Reelin RELN	RELN_HUMAN	1109379 ± 309209	983735 ± 251743	1492484 ± 594714
Immunoglobulin lambda variable 7-43 IGLV7-43	LV743_HUMAN	1584235 ± 827813	1650692 ± 648199	1772540 ± 1162019
Immunoglobulin heavy variable 4-28 IGHV4-28	HV428_HUMAN	1128173 ± 272161	1143529 ± 397382	985548 ± 386924
Apolipoprotein M APOM	APOM_HUMAN	1280113 ± 401501	670910 ± 274186	793738 ± 560776
Kininogen-1 KNG1	KNG1_HUMAN	1105086 ± 512647	1025663 ± 430837	994454 ± 408221
Cilia- and flagella-associated protein 46 CFAP46	CFA46_HUMAN	1291273 ± 351768	2044566 ± 950430	2768559 ± 1190602
Collagen alpha-1(VI) chain COL6A1	CO6A1_HUMAN	1050276 ± 495842	471143 ± 172915	862163 ± 648385
Adiponectin ADIPOQ	ADIPO_HUMAN	795128 ± 781295	687010 ± 831581	621642 ± 627437
Oxysterol-binding protein-related protein 11 OSBPL11	OSB11_HUMAN	649382 ± 383427	582994 ± 183995	364673 ± 285804
FANCD2 opposite strand protein FANCD2OS	FACOS_HUMAN	716084 ± 295802	1032970 ± 403793	1907774 ± 1103701
Actin, cytoplasmic 1 ACTB	ACTB_HUMAN	794248 ± 429420	1987232 ± 1105729	2272934 ± 1833243
Immunoglobulin heavy variable 1-69 IGHV1-69	HV169_HUMAN	1076418 ± 459899	826468 ± 310972	1046788 ± 564425
Alpha-1B-glycoprotein A1BG	A1BG_HUMAN	1525047 ± 474327	2089379 ± 1675126	1533260 ± 510991
Immunoglobulin lambda variable 1-51 IGLV1-51	LV151_HUMAN	1046325 ± 165470	1146635 ± 523538	662728 ± 332782
Alpha-1-antichymotrypsin SERPINA3	AACT_HUMAN	1264249 ± 585320	2736208 ± 1953758	4119998 ± 1939783
Filaggrin FLG	FILA_HUMAN	917338 ± 690111	1219562 ± 657530	2633095 ± 2222173
Immunoglobulin kappa variable 1-27 IGKV1-27	KV127_HUMAN	864277 ± 371912	1010308 ± 659087	691658 ± 634301
Apolipoprotein C-II APOC2	APOC2_HUMAN	2574588 ± 2128038	1179280 ± 443859	1529698 ± 1222350
Serum amyloid P-component APCS	SAMP_HUMAN	813670 ± 283874	856319 ± 651233	1438722 ± 796856
Bcl-2-associated transcription factor 1 BCLAF1	BCLF1_HUMAN	589675 ± 434038	736570 ± 469132	578186 ± 430123
Carboxypeptidase N subunit 2 CPN2	CPN2_HUMAN	643478 ± 182053	719931 ± 376511	880043 ± 405135

Transcription factor AP-2-delta TFAP2D	AP2D_HUMAN	643279 ± 474406	1083691 ± 794029	931455 ± 410707
Catalase CAT	CATA_HUMAN	880973 ± 466074	2070513 ± 2770226	1092149 ± 583182
Phosphatidylinositol-glycan-specific phospholipase D GPLD1	PHLD_HUMAN	1035778 ± 440320	671930 ± 387749	476130 ± 213081
Prenylcysteine oxidase 1 PCYOX1	PCYOX_HUMAN	915282 ± 545506	553526 ± 149313	729366 ± 298108
Immunoglobulin heavy variable 3-23 IGHV3-23	HV323_HUMAN	1421062 ± 1601675	1960998 ± 1061261	1000909 ± 417705
Tenascin TNC	TENA_HUMAN	1069979 ± 612250	2304089 ± 1720354	3264816 ± 5425749
MORC family CW-type zinc finger protein 2 MORC2	MORC2_HUMAN	2792747 ± 4348934	1495769 ± 1100356	2093455 ± 2141963
Heat shock protein HSP 90-alpha HSP90AA1	HS90A_HUMAN	656729 ± 183000	771015 ± 277733	1076782 ± 389628
Centromere protein F CENPF	CENPF_HUMAN	958096 ± 876313	1141228 ± 655604	2990018 ± 2493071
Immunoglobulin heavy variable 1-46 IGHV1-46	HV146_HUMAN	984011 ± 331148	735257 ± 282107	1047249 ± 438746
Hornerin HRNR	HORN_HUMAN	547134 ± 405240	551649 ± 390105	522433 ± 235814
Immunoglobulin kappa variable 2-29 IGKV2-29	KV229_HUMAN	1925959 ± 1357366	1517988 ± 889341	1256304 ± 956760
Pregnancy zone protein PZP	PZP_HUMAN	982808 ± 1072168	2921391 ± 5472975	732173 ± 737709
Adenylate kinase 9 AK9	KAD9_HUMAN	695595 ± 506704	588077 ± 322906	356237 ± 246245
Spectrin beta chain, non-erythrocytic 2 SPTBN2	SPTN2_HUMAN	941747 ± 745058	1117456 ± 942452	827884 ± 556564
Immunoglobulin heavy variable 1-18 IGHV1-18	HV118_HUMAN	998250 ± 501505	722507 ± 404992	1038799 ± 714350
Immunoglobulin lambda variable 5-45 IGLV5-45	LV545_HUMAN	428266 ± 384417	346762 ± 245410	273490 ± 478971
Nidogen-1 NID1	NID1_HUMAN	687856 ± 137037	882882 ± 343408	1205047 ± 526028
Ubiquitin-40S ribosomal protein S27a RPS27A	RS27A_HUMAN	934794 ± 677659	1379709 ± 297124	634616 ± 277159
Cytoplasmic dynein 1 heavy chain 1 DYNC1H1	DYHC1_HUMAN	928089 ± 966270	674443 ± 411373	236097 ± 184897
Immunoglobulin alpha-2 heavy chain	IGA2_HUMAN	2978809 ± 1805890	1797848 ± 1302350	1768523 ± 1925040
Alpha-2-antiplasmin SERPINF2	A2AP_HUMAN	1905004 ± 1908020	1411621 ± 277580	1255727 ± 737454
Immunoglobulin kappa variable 6-21 IGKV6-21	KV621_HUMAN	412114 ± 219400	376409 ± 257200	254105 ± 208633
Fatty acid desaturase 6 FADS6	FADS6_HUMAN	618482 ± 189435	461405 ± 217542	440203 ± 129541
Immunoglobulin delta heavy chain	IGD_HUMAN	518062 ± 211286	583042 ± 223659	1754387 ± 3272519
ATP-binding cassette sub-family B member 9 ABCB9	ABCB9_HUMAN	592781 ± 155923	789067 ± 407887	1053699 ± 461432
Soluble scavenger receptor cysteine-rich domain-containing protein SSC5D SSC5D	SRCRL_HUMAN	997883 ± 505595	1305177 ± 808094	973919 ± 337386
Collagen alpha-3(VI) chain COL6A3	CO6A3_HUMAN	629571 ± 228412	639504 ± 162859	1136224 ± 1570847
Immunoglobulin heavy variable 2-70D IGHV2-70D	HV70D_HUMAN	590232 ± 552537	202397 ± 256511	238749 ± 315803
Aminopeptidase N ANPEP	AMPN_HUMAN	383826 ± 262294	1767566 ± 2328829	681531 ± 850234
Ficolin-1 FCN1	FCN1_HUMAN	938195 ± 1564812	569578 ± 287710	483222 ± 209659
Leukosialin SPN	LEUK_HUMAN	545177 ± 222299	202269 ± 83795	285998 ± 189544
Protein AMBP AMBP	AMBP_HUMAN	502710 ± 259249	211386 ± 114454	761721 ± 833916
Immunoglobulin kappa variable 1-8 IGKV1-8	KV108_HUMAN	1381993 ±	1414800 ±	899269 ±

		1110230	1088180	619777
Olfactomedin-4 OLFM4	OLFM4_HUMAN	402352 ± 210975	613734 ± 375144	1063552 ± 1174045
Immunoglobulin heavy variable 3-49 IGHV3-49	HV349_HUMAN	1317123 ± 786708	886019 ± 303292	907247 ± 637079
Sulfhydryl oxidase 2 QSOX2	QSOX2_HUMAN	1233795 ± 1140706	1117888 ± 570921	551110 ± 761977
Laminin subunit gamma-1 LAMC1	LAMC1_HUMAN	647804 ± 219597	538998 ± 448490	679789 ± 417011
Sentrin-specific protease 2 SENP2	SENP2_HUMAN	480032 ± 276094	88193 ± 47172	254345 ± 166300
Desmoglein-1 DSG1	DSG1_HUMAN	452235 ± 140603	584302 ± 400789	326740 ± 217557
p21-activated protein kinase-interacting protein 1 PAK1IP1	PAK1IP_HUMAN	630639 ± 214141	413261 ± 94868	437639 ± 242623
Thrombospondin-1 THBS1	TSP1_HUMAN	764674 ± 631422	5124607 ± 5464340	6761762 ± 4464104
Keratin, type II cytoskeletal 78 KRT78	K2C78_HUMAN	584903 ± 151588	369513 ± 143325	476734 ± 157334
Pescadillo homolog PES1	PESC_HUMAN	446017 ± 199893	232955 ± 64342	380772 ± 188638
Tenascin-X TNXB	TENX_HUMAN	453058 ± 228965	674325 ± 249871	265844 ± 134169
Beta-2-glycoprotein 1 APOH	APOH_HUMAN	573375 ± 272537	655201 ± 663999	712011 ± 412773
Coagulation factor XIII A chain F13A1	F13A_HUMAN	562227 ± 204491	411281 ± 187817	428169 ± 237650
Heparin cofactor 2 SERPIND1	HEP2_HUMAN	1153163 ± 1705108	409903 ± 332078	868816 ± 767797
Immunoglobulin heavy variable 3-64D IGHV3-64D	HV64D_HUMAN	654824 ± 509574	578510 ± 241840	563542 ± 374565
Prothrombin F2	THRB_HUMAN	547008 ± 376339	577744 ± 359267	529724 ± 490556
Coagulation factor VIII F8	FA8_HUMAN	640920 ± 853849	1163624 ± 1197158	690215 ± 584954
Replication factor C subunit 4 RFC4	RFC4_HUMAN	431036 ± 259050	675991 ± 435574	578205 ± 584304
Immunoglobulin lambda variable 3-25 IGLV3-25	LV325_HUMAN	342722 ± 122482	275587 ± 188322	312895 ± 302291
Immunoglobulin epsilon heavy chain	IGE_HUMAN	415141 ± 198462	331595 ± 203972	926593 ± 2077709
Protein Jade-3 JADE3	JADE3_HUMAN	302679 ± 213374	187916 ± 211920	312502 ± 227852
Cartilage oligomeric matrix protein COMP	COMP_HUMAN	437767 ± 175261	157935 ± 95936	330855 ± 437950
Immunoglobulin heavy variable 1-2 IGHV1-2	HV102_HUMAN	531780 ± 267746	510017 ± 330292	453361 ± 320739
Phospholipid transfer protein PLTP	PLTP_HUMAN	239668 ± 119887	211491 ± 127276	202437 ± 57280
Ras-related protein Ral-B RALB	RALB_HUMAN	383255 ± 397284	645340 ± 635796	203855 ± 186015
NEDD4-binding protein 2 N4BP2	N4BP2_HUMAN	241572 ± 174083	93827 ± 53532	299233 ± 211520
Synapsin-3 SYN3	SYN3_HUMAN	307375 ± 212752	264439 ± 160545	505829 ± 271442
Complement component C6 C6	CO6_HUMAN	398575 ± 195307	268122 ± 251332	536930 ± 352699
Cathelicidin antimicrobial peptide CAMP	CAMP_HUMAN	1667502 ± 1364431	2087604 ± 1802582	1021241 ± 786978
PI-PLC X domain-containing protein 2 PLCXD2	PLCX2_HUMAN	868664 ± 760146	2273233 ± 722236	1143201 ± 1048283
Polymeric immunoglobulin receptor PIGR	PIGR_HUMAN	971925 ± 729036	632504 ± 333156	633249 ± 508002
Alpha-2-HS-glycoprotein AHSG	FETUA_HUMAN	464195 ± 337176	329665 ± 268532	456963 ± 284146
OTU domain-containing protein 7A OTUD7A	OTU7A_HUMAN	141367 ± 152782	32368 ± 53994	428175 ± 756816

Transthyretin TTR	TTHY_HUMAN	382219 ± 312458	148003 ± 123152	163135 ± 128942
Cancer-associated gene 1 protein CAGE1	CAGE1_HUMAN	196595 ± 94257	800223 ± 743676	228230 ± 268654
Gelsolin GSN	GELS_HUMAN	537976 ± 259411	476020 ± 197348	483535 ± 336853
Keratin, type II cytoskeletal 6C KRT6C	K2C6C_HUMAN	532300 ± 492165	549841 ± 302333	723269 ± 940975
Vitamin D-binding protein GC	VTDB_HUMAN	343248 ± 129072	563339 ± 274045	567828 ± 362595
Immunoglobulin lambda variable 4-69 IGLV4-69	LV469_HUMAN	313266 ± 193823	295119 ± 118846	185968 ± 105095
Transferrin receptor protein 1 TFR1	TFR1_HUMAN	576011 ± 640647	714653 ± 500543	674763 ± 547352
Complement component C8 alpha chain C8A	CO8A_HUMAN	370704 ± 131058	219212 ± 72191	300172 ± 164616
Methionine synthase reductase MTRR	MTRR_HUMAN	240379 ± 107435	339235 ± 117734	385507 ± 157144
Cortactin-binding protein 2 CTTNBP2	CTTB2_HUMAN	260945 ± 129404	275956 ± 154698	506768 ± 482809
Keratin, type I cytoskeletal 16 KRT16	K1C16_HUMAN	592176 ± 509287	816278 ± 418242	744369 ± 844472
Tripeptidyl-peptidase 2 TPP2	TPP2_HUMAN	255712 ± 78275	279147 ± 137904	229371 ± 132082
Antithrombin-III SERPINC1	ANT3_HUMAN	353035 ± 241643	357458 ± 284129	341445 ± 145447
Complement component C9 C9	CO9_HUMAN	325933 ± 155294	848925 ± 342893	1138917 ± 440852
Lipopolysaccharide-binding protein LBP	LBP_HUMAN	239507 ± 88303	637650 ± 377351	1186803 ± 684358
Spectrin alpha chain, erythrocytic 1 SPTA1	SPTA1_HUMAN	269554 ± 109697	1005596 ± 1662187	279503 ± 169781
Keratin, type II cuticular Hb1 KRT81	KRT81_HUMAN	325353 ± 214282	595227 ± 653570	759959 ± 593075
Golgi-associated plant pathogenesis-related protein 1 GLIPR2	GAPR1_HUMAN	396115 ± 179140	843826 ± 673151	484521 ± 141278
Major vault protein MVP	MVP_HUMAN	96645 ± 77227	67032 ± 53352	102787 ± 117339
Uncharacterized protein C4orf22 C4orf22	CD022_HUMAN	257049 ± 121494	140833 ± 33793	144061 ± 88973
Beta-Ala-His dipeptidase CNDP1	CNDP1_HUMAN	172426 ± 98778	17502 ± 5303	25989 ± 16799
Band 3 anion transport protein SLC4A1	B3AT_HUMAN	320796 ± 131652	5942523 ± 12333609	2138629 ± 1219449
Immunoglobulin kappa variable 1-17 IGKV1-17	KV117_HUMAN	833580 ± 599175	1350822 ± 769007	562642 ± 516804
Immunoglobulin lambda variable 2-11 IGLV2-11	LV211_HUMAN	332588 ± 351940	205679 ± 96672	108228 ± 118130
Immunoglobulin heavy variable 3-43 IGHV3-43	HV343_HUMAN	146163 ± 128623	251897 ± 260667	203271 ± 165665
Talin-1 TLN1	TLN1_HUMAN	431357 ± 708040	432753 ± 259539	782495 ± 731826
Serum amyloid A-1 protein SAA1	SAA1_HUMAN	129838 ± 57893	7850221 ± 9522849	9099060 ± 6691574
AP-1 complex subunit beta-1 AP1B1	AP1B1_HUMAN	368318 ± 195417	351563 ± 118049	301176 ± 199870
Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2 GNB2	GBB2_HUMAN	339658 ± 173574	900435 ± 695803	696469 ± 599452
Immunoglobulin lambda variable 3-10 IGLV3-10	LV310_HUMAN	569836 ± 322243	561074 ± 448531	302747 ± 217757
Cholinesterase BCHE	CHLE_HUMAN	275546 ± 138158	96618 ± 67260	123552 ± 96428
NACHT, LRR and PYD domains-containing protein 12 NLRP12	NAL12_HUMAN	427777 ± 341574	484741 ± 179749	253957 ± 158126
Immunoglobulin kappa variable 3D-15 IGKV3D-15	KVD15_HUMAN	276055 ± 102436	283300 ± 155829	269801 ± 179368
Keratin, type II cytoskeletal 80 KRT80	K2C80_HUMAN	190326 ±	684778 ±	400399 ±

		178259	678145	454238
Immunoglobulin heavy variable 3-13 IGHV3-13	HV313_HUMAN	226990 ± 162344	377984 ± 308614	350940 ± 456215
Filaggrin-2 FLG2	FILA2_HUMAN	109152 ± 78111	191156 ± 363316	262301 ± 295684
Transmembrane protein 163 TMEM163	TM163_HUMAN	293895 ± 195883	238938 ± 112064	251158 ± 193774
Vinculin VCL	VINC_HUMAN	155663 ± 140569	185096 ± 162872	259084 ± 239021
Coagulation factor XII F12	FA12_HUMAN	104087 ± 109215	62296 ± 62873	79392 ± 56831
Target of Nesh-SH3 ABI3BP	TARSH_HUMAN	328598 ± 139778	230080 ± 145014	236777 ± 193909
Patched domain-containing protein 3 PTCHD3	PTHD3_HUMAN	114302 ± 103665	121908 ± 63184	120193 ± 47196
Myosin-9 MYH9	MYH9_HUMAN	316244 ± 184228	208080 ± 148114	476096 ± 412115
DNA annealing helicase and endonuclease ZRANB3	ZRAB3_HUMAN	110051 ± 68376	237672 ± 250635	33651 ± 31312
Complement component C7 C7	CO7_HUMAN	180774 ± 111049	129423 ± 122631	305605 ± 152676
Plasma kallikrein KLKB1	KLKB1_HUMAN	340641 ± 405882	280756 ± 433866	81490 ± 51316
C-reactive protein CRP	CRP_HUMAN	172190 ± 73560	1196151 ± 945572	2356049 ± 2063595
Ficolin-2 FCN2	FCN2_HUMAN	177877 ± 56064	120932 ± 65963	337120 ± 103519
Insulin-like growth factor-binding protein complex acid labile subunit IGFALS	ALS_HUMAN	114104 ± 63313	109095 ± 127338	56547 ± 52220
Extracellular matrix protein 1 ECM1	ECM1_HUMAN	142484 ± 109920	15442 ± 19816	24072 ± 21263
Desmoplakin DSP	DESP_HUMAN	164076 ± 53160	153423 ± 115032	147241 ± 44204
C4b-binding protein beta chain C4BPB	C4BPB_HUMAN	153793 ± 72574	78254 ± 93419	118091 ± 68169
Pyruvate kinase PKM PKM	KPYM_HUMAN	174619 ± 111130	133953 ± 58084	235247 ± 162735
Mannan-binding lectin serine protease 1 MASP1	MASP1_HUMAN	152972 ± 70932	95367 ± 24208	128614 ± 67640
Moesin MSN	MOES_HUMAN	198313 ± 111415	332172 ± 234563	310741 ± 178647
Immunoglobulin lambda variable 7-46 IGLV7-46	LV746_HUMAN	174934 ± 92630	209399 ± 92760	150371 ± 123099
Protein S100-A8 S100A8	S10A8_HUMAN	114849 ± 26494	159025 ± 106682	251337 ± 157940
Attractin ATRN	ATRN_HUMAN	122568 ± 66833	50877 ± 51401	84849 ± 53781
Immunoglobulin heavy variable 2-26 IGHV2-26	HV226_HUMAN	265886 ± 211291	166084 ± 103830	245630 ± 236406
Fibulin-1 FBLN1	FBLN1_HUMAN	160216 ± 75351	82042 ± 63050	216714 ± 111497
Selenoprotein P SELENOP	SEPP1_HUMAN	113124 ± 33919	32004 ± 41328	73524 ± 53636
Immunoglobulin heavy variable 4-4 IGHV4-4	HV404_HUMAN	209076 ± 130609	173428 ± 59301	225286 ± 131244
Glyceraldehyde-3-phosphate dehydrogenase GAPDH	G3P_HUMAN	164615 ± 64052	676636 ± 622384	421220 ± 199139
Hyaluronan-binding protein 2 HABP2	HABP2_HUMAN	127801 ± 59994	80039 ± 33167	117420 ± 81583
Keratin, type II cytoskeletal 1b KRT77	K2C1B_HUMAN	110784 ± 52540	98249 ± 78889	85252 ± 27143
Unconventional myosin-XV MYO15A	MYO15_HUMAN	93453 ± 73220	33880 ± 50584	75141 ± 44464
Properdin CFP	PROP_HUMAN	186873 ± 66615	86697 ± 41850	141414 ± 130956
Immunoglobulin heavy variable 3-73 IGHV3-73	HV373_HUMAN	161172 ± 68320	145045 ± 52738	106727 ± 43363

Sex hormone-binding globulin SHBG	SHBG_HUMAN	77017 ± 50217	95356 ± 101990	54153 ± 57046
Immunoglobulin kappa joining 1 IGKJ1 PE=4 SV=1	KJ01_HUMAN	163449 ± 137938	124804 ± 105898	215381 ± 531491
Prolow-density lipoprotein receptor-related protein 1 LRP1	LRP1_HUMAN	150916 ± 83344	106246 ± 48304	107732 ± 48399
Immunoglobulin heavy constant delta IGHD	IGHD_HUMAN	110190 ± 47100	129200 ± 33837	338977 ± 580449
Skin-specific protein 32 XP32	XP32_HUMAN	79476 ± 64264	89884 ± 54476	89891 ± 44202
Fibrinogen-like protein 1 FGL1	FGL1_HUMAN	109908 ± 54537	506685 ± 327271	863423 ± 805151
Collagen alpha-2(VI) chain COL6A2	CO6A2_HUMAN	148606 ± 51195	114077 ± 75735	312691 ± 660891
Sorting nexin-32 SNX32	SNX32_HUMAN	80439 ± 38853	37517 ± 30329	98967 ± 81231
Immunoglobulin heavy variable 3-48 IGHV3-48	HV348_HUMAN	227430 ± 166730	186014 ± 138972	74159 ± 83015
Thrombospondin-4 THBS4	TSP4_HUMAN	143489 ± 62801	142134 ± 66227	203374 ± 173054
Immunoglobulin lambda variable 1-44 IGLV1-44	LV144_HUMAN	163476 ± 158473	197636 ± 187704	64834 ± 37054
Flotillin-1 FLOT1	FLOT1_HUMAN	138838 ± 41530	125741 ± 44039	136664 ± 43869
Complement component C8 gamma chain C8G	CO8G_HUMAN	86206 ± 73608	57066 ± 53904	175033 ± 105886
Mucin-5B MUC5B	MUC5B_HUMAN	50818 ± 79524	2652 ± 6013	9134 ± 23021
RelA-associated inhibitor PPP1R13L	IASPP_HUMAN	90631 ± 35889	106699 ± 81080	124440 ± 76797
Cholesteryl ester transfer protein CETP	CETP_HUMAN	169539 ± 91933	149081 ± 79458	106455 ± 64149
Dual specificity mitogen-activated protein kinase kinase 7 MAP2K7	MP2K7_HUMAN	154413 ± 105130	45734 ± 36650	188044 ± 152136
Serine/threonine-protein kinase pim-1 PIM1	PIM1_HUMAN	188319 ± 152208	69543 ± 87721	104953 ± 84581
Alpha-1-acid glycoprotein 1 ORM1	A1AG1_HUMAN	133231 ± 73361	344938 ± 330904	443583 ± 319527
Myeloperoxidase MPO	PERM_HUMAN	190556 ± 72557	712167 ± 651083	561375 ± 384461
Alpha-ketoglutarate-dependent dioxygenase alkB homolog 6 ALKBH6	ALKBH6_HUMAN	107017 ± 52388	67142 ± 19205	71397 ± 38598
Erythrocyte band 7 integral membrane protein STOM	STOM_HUMAN	144018 ± 151036	907733 ± 1356821	567397 ± 453219
Tetratricopeptide repeat protein 25 TTC25	TTC25_HUMAN	129411 ± 71395	794708 ± 797233	281647 ± 239038
Complement component C8 beta chain C8B	CO8B_HUMAN	86000 ± 37072	66788 ± 28125	129589 ± 75510
Immunoglobulin lambda variable 10-54 IGLV10-54	LVX54_HUMAN	190282 ± 191843	82279 ± 104217	483364 ± 1206433
Platelet glycoprotein Ib alpha chain GP1BA	GP1BA_HUMAN	108550 ± 102333	94232 ± 39181	139853 ± 75523
Keratin, type I cytoskeletal 17 KRT17	K1C17_HUMAN	118539 ± 77968	509900 ± 721977	183802 ± 177445
Complement C2 C2	CO2_HUMAN	84186 ± 69791	57104 ± 39606	114847 ± 72161
Hemicentin-1 HMCN1	HMCN1_HUMAN	81303 ± 19631	127859 ± 72530	142530 ± 114176
N-acetylmuramoyl-L-alanine amidase PGLYRP2	PGRP2_HUMAN	137132 ± 80369	57239 ± 38774	61575 ± 52366
Phosphatidylcholine-sterol acyltransferase LCAT	LCAT_HUMAN	62558 ± 55275	13857 ± 21727	7548 ± 10005
Inactive phospholipase D5 PLD5	PLD5_HUMAN	170477 ± 173398	174072 ± 137200	220200 ± 326483
Dipeptidyl peptidase 4 DPP4	DPP4_HUMAN	99676 ± 61984	225924 ± 206959	106635 ± 59164
Immunoglobulin kappa variable 1-12 IGKV1-12	KV112_HUMAN	92510 ±	207864 ±	78316 ±

		50496	112106	54954
Hepatocyte growth factor activator HGFA	HGFA_HUMAN	189499 ± 161765	63018 ± 39091	59676 ± 30591
Serum amyloid A-2 protein SAA2	SAA2_HUMAN	91353 ± 36872	2814152 ± 2870330	4628664 ± 3969923
Laminin subunit alpha-2 LAMA2	LAMA2_HUMAN	253942 ± 173487	84026 ± 55126	112548 ± 97813
Complement factor H-related protein 4 CFHR4	FHR4_HUMAN	109210 ± 69304	56889 ± 57990	90243 ± 81294
Immunoglobulin lambda constant 7 IGLC7	IGLC7_HUMAN	26753 ± 27555	78228 ± 134749	43017 ± 41264
Cullin-associated NEDD8-dissociated protein 2 CAND2	CAND2_HUMAN	106479 ± 41453	114226 ± 135317	71106 ± 53074
Keratin, type II cytoskeletal 6B KRT6B	K2C6B_HUMAN	154225 ± 146342	135757 ± 72176	179749 ± 241024
Immunoglobulin heavy variable 3-64 IGHV3-64	HV364_HUMAN	125695 ± 90140	65864 ± 35400	219132 ± 556631
Tubulin alpha-1A chain TUBA1A	TBA1A_HUMAN	130028 ± 181809	203753 ± 133368	247606 ± 246097
Sodium-dependent phosphate transport protein 2C SLC34A3	NPT2C_HUMAN	158811 ± 243135	364509 ± 632451	57592 ± 104821
Laminin subunit beta-1 LAMB1	LAMB1_HUMAN	94430 ± 58991	126756 ± 97660	234263 ± 272232
Ras-related protein Rab-10 RAB10	RAB10_HUMAN	51756 ± 37859	159081 ± 153778	97442 ± 52196
Immunoglobulin heavy variable 1-69D IGHV1-69D	HV69D_HUMAN	61291 ± 42294	86755 ± 40537	85589 ± 43668
Bile salt export pump ABCB11	ABCB11_HUMAN	101879 ± 39273	37355 ± 28498	78928 ± 53331
BRCA1-associated protein BRAP	BRAP_HUMAN	101713 ± 46396	55564 ± 31538	54620 ± 36550
Apolipoprotein A-V APOA5	APOA5_HUMAN	53065 ± 49007	93899 ± 87712	53990 ± 63586
Transforming growth factor-beta-induced protein ig-h3 TGFBI	BGH3_HUMAN	39441 ± 22001	57970 ± 34292	85828 ± 76728
Carbonic anhydrase 1 CA1	CAH1_HUMAN	63052 ± 27828	492797 ± 608045	457445 ± 322098
Protein RRNAD1 RRNAD1	RRNAD_HUMAN	86780 ± 52630	131705 ± 79775	202248 ± 167548
Pantetheinase VNN1	VNN1_HUMAN	31258 ± 17231	103851 ± 182854	41151 ± 41926
Immunoglobulin heavy variable 4-30-2 IGHV4-30-2	HV432_HUMAN	86020 ± 50326	77776 ± 41341	104088 ± 74776
Neprilysin MME	NEP_HUMAN	105362 ± 19143	112358 ± 115298	104643 ± 50451
Serine/arginine-rich splicing factor 4 SRSF4	SRSF4_HUMAN	1356588 ± 1203725	1409081 ± 644505	666410 ± 632946
Ankyrin-1 ANK1	ANK1_HUMAN	95327 ± 46640	1568858 ± 3177358	374193 ± 268182
Spectrin beta chain, erythrocytic SPTB	SPTB1_HUMAN	220090 ± 127067	1010731 ± 1902650	343929 ± 197838
Arginase-1 ARG1	ARG1_HUMAN	42448 ± 36474	66187 ± 38387	41823 ± 14352
Immunoglobulin lambda variable 9-49 IGLV9-49	LV949_HUMAN	76148 ± 52592	93521 ± 68406	58430 ± 35274
Integrin alpha-IIb ITGA2B	ITA2B_HUMAN	234039 ± 579141	359716 ± 231801	351419 ± 339334
Complement factor H-related protein 1 CFHR1	FHR1_HUMAN	36902 ± 15234	26799 ± 19180	50550 ± 21247
Junction plakoglobin JUP	PLAK_HUMAN	61940 ± 47753	236327 ± 245306	73799 ± 42701
Immunoglobulin heavy variable 5-10-1 IGHV5-10-1	HV5X1_HUMAN	280757 ± 279504	137283 ± 67510	146483 ± 169992
ATP-binding cassette sub-family E member 1 ABCE1	ABCE1_HUMAN	102902 ± 82844	157843 ± 127472	88671 ± 94316
Alanine aminotransferase 2 GPT2	ALAT2_HUMAN	142011 ± 95481	213685 ± 238754	101527 ± 111676

Collagen alpha-1(I) chain COL1A1	CO1A1_HUMAN	72908 ± 54673	99048 ± 125853	146520 ± 278280
Angiopoietin-related protein 6 ANGPTL6	ANGL6_HUMAN	78440 ± 28800	70943 ± 34175	76687 ± 38154
Immunoglobulin lambda variable 8-61 IGLV8-61	LV861_HUMAN	2626137 ± 1915195	1727491 ± 1103908	1836183 ± 2289977
Cartilage acidic protein 1 CRTAC1	CRAC1_HUMAN	75516 ± 30914	62151 ± 59005	59601 ± 55153
Peroxiredoxin-2 PRDX2	PRDX2_HUMAN	45464 ± 31428	1722276 ± 3805636	342470 ± 268963
Complement factor I CFI	CFAI_HUMAN	60883 ± 49625	62919 ± 48044	76087 ± 70526
Hemoglobin subunit delta HBD	HBD_HUMAN	46074 ± 36825	369038 ± 726754	700978 ± 566619
B-cell lymphoma/leukemia 10 BCL10	BCL10_HUMAN	23754 ± 32027	82854 ± 78062	13560 ± 33445
Immunoglobulin lambda constant 3 IGLC3	IGLC3_HUMAN	124158 ± 122837	208670 ± 271355	73070 ± 135218
Annexin A2 ANXA2	ANXA2_HUMAN	32957 ± 21210	98950 ± 60277	48506 ± 27055
Leukocyte surface antigen CD53 CD53	CD53_HUMAN	30641 ± 22314	111041 ± 124995	37368 ± 29547
BPI fold-containing family B member 1 BPIFB1	BPIB1_HUMAN	282408 ± 263387	154428 ± 164932	125204 ± 113473
Sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1 SVEP1	SVEP1_HUMAN	83750 ± 57047	173048 ± 143710	319730 ± 438368
78 kDa glucose-regulated protein HSPA5	GRP78_HUMAN	54227 ± 38290	100896 ± 42797	99203 ± 57699
Macrophage receptor MARCO MARCO	MARCO_HUMAN	57371 ± 42276	101533 ± 82714	117817 ± 114755
Afamin AFM	AFAM_HUMAN	150059 ± 105958	90422 ± 75069	85894 ± 89194
Phosphatidylcholine translocator ABCB4 ABCB4	MDR3_HUMAN	85097 ± 57696	53010 ± 50868	410137 ± 793489
Protein 4.1 EPB41	41_HUMAN	53523 ± 35087	329359 ± 667922	120576 ± 49632
Immunoglobulin lambda variable 2-18 IGLV2-18	LV218_HUMAN	86133 ± 138633	21651 ± 24772	51169 ± 150943
Integrin beta-3 ITGB3	ITB3_HUMAN	165552 ± 418145	299433 ± 216800	356233 ± 331237
Mannose-binding protein C MBL2	MBL2_HUMAN	35993 ± 54958	49384 ± 50094	58627 ± 58577
Immunoglobulin lambda variable 3-27 IGLV3-27	LV327_HUMAN	39315 ± 33169	77160 ± 82169	85184 ± 129456
Platelet glycoprotein 4 CD36	CD36_HUMAN	76167 ± 77958	84572 ± 62811	87213 ± 49918
Lactotransferrin LTF	TRFL_HUMAN	31552 ± 18660	170076 ± 209105	263321 ± 295096
Solute carrier family 2, facilitated glucose transporter member 1 SLC2A1	GTR1_HUMAN	16934 ± 12796	579998 ± 1213019	230994 ± 127231
Immunoglobulin kappa variable 1-16 IGKV1-16	KV116_HUMAN	85020 ± 202080	30351 ± 37737	21780 ± 17882
FERM, ARHGEF and pleckstrin domain-containing protein 1 FARP1	FARP1_HUMAN	3125446 ± 10685559	4123999 ± 10161032	2383226 ± 8118679
Multimerin-1 MMRN1	MMRN1_HUMAN	41660 ± 69078	285135 ± 224680	218165 ± 151618
G-protein coupled receptor family C group 5 member C GPRC5C	GPC5C_HUMAN	15877 ± 4661	210780 ± 494508	37332 ± 37417
Histone-lysine N-methyltransferase 2C KMT2C	KMT2C_HUMAN	138163 ± 142225	139252 ± 108421	127257 ± 148414
L-selectin SELL	LYAM1_HUMAN	28251 ± 25552	93010 ± 70537	46040 ± 44250
Fermitin family homolog 3 FERMT3	URP2_HUMAN	143541 ± 336197	313865 ± 230106	275121 ± 224763
Glutathione hydrolase 1 proenzyme GGT1	GGT1_HUMAN	14062 ± 15966	168027 ± 413273	48674 ± 119317
Pentraxin-related protein PTX3 PTX3	PTX3_HUMAN	23613 ±	51373 ±	181855 ±

			7923	47320	450934
ATP-dependent 6-phosphofructokinase, liver type	PFKL	PFKAL_HUMAN	380520 ± 293158	462156 ± 463210	129862 ± 120326
Transitional endoplasmic reticulum ATPase	VCP	TERA_HUMAN	23433 ± 13211	165768 ± 262350	98656 ± 84415
Tyrosine-protein kinase HCK	HCK	HCK_HUMAN	12841 ± 12983	54599 ± 69538	26564 ± 23799
14-3-3 protein zeta/delta	YWHAZ	1433Z_HUMAN	30963 ± 54012	78832 ± 57776	108541 ± 125718
Heat shock cognate 71 kDa protein	HSPA8	HSP7C_HUMAN	36856 ± 21760	280385 ± 337520	184640 ± 111762
Clathrin heavy chain 1	CLTC	CLH1_HUMAN	24378 ± 11270	99145 ± 190018	44477 ± 41629
Erythrocyte membrane protein band 4.2	EPB42	EPB42_HUMAN	16337 ± 8114	565667 ± 1266685	123825 ± 80997
Ras-related protein Rap-1A	RAP1A	RAP1A_HUMAN	74749 ± 201755	305417 ± 265145	236017 ± 168535
Alkaline phosphatase, tissue-nonspecific isozyme	ALPL	PPBT_HUMAN	14914 ± 9882	55832 ± 109874	18592 ± 19319
Versican core protein	VCAN	CSPG2_HUMAN	22156 ± 23292	186377 ± 178829	213091 ± 188479
Protein Z-dependent protease inhibitor	SERPINA10	ZPI_HUMAN	35254 ± 25514	54406 ± 66289	49956 ± 33294
Immunoglobulin heavy variable 1-3	IGHV1-3	HV103_HUMAN	25626 ± 19182	14217 ± 5130	62727 ± 116125
Collectin-11	COLEC11	COL11_HUMAN	29952 ± 24313	64757 ± 35529	55339 ± 66325
Aldehyde dehydrogenase family 16 member A1	ALDH16A1	A16A1_HUMAN	7364 ± 11444	75297 ± 111458	24877 ± 21530
HLA class I histocompatibility antigen, B-7 alpha chain	HLA-B	1B07_HUMAN	33513 ± 26515	102589 ± 96444	63891 ± 63805
Cathepsin G	CTSG	CATG_HUMAN	6543 ± 3867	38001 ± 64703	65608 ± 107677
HLA class I histocompatibility antigen, Cw-2 alpha chain	HLA-C	1C02_HUMAN	31610 ± 39766	99987 ± 85262	64907 ± 63742
Neutrophil defensin 1	DEFA1	DEF1_HUMAN	6370 ± 3929	21137 ± 23476	237326 ± 710552
Delta-aminolevulinic acid dehydratase	ALAD	HEM2_HUMAN	5469 ± 5752	76409 ± 184878	18497 ± 18777
L-lactate dehydrogenase B chain	LDHB	LDHB_HUMAN	18487 ± 25394	131309 ± 232903	108129 ± 130213
Immunoglobulin lambda variable 2-23	IGLV2-23	LV223_HUMAN	104805 ± 70204	92219 ± 72818	95345 ± 120971
Syntenin-1	SDCBP	SDCB1_HUMAN	8115 ± 5102	50868 ± 77904	25290 ± 19018
Alpha-synuclein	SNCA	SYUA_HUMAN	70003 ± 55345	451149 ± 930308	304988 ± 469175
Integrin beta-1	ITGB1	ITB1_HUMAN	17990 ± 25425	70474 ± 107392	27433 ± 29444
WD repeat-containing protein 1	WDR1	WDR1_HUMAN	20822 ± 40943	32668 ± 37885	66104 ± 106150
Alpha-actinin-1	ACTN1	ACTN1_HUMAN	14176 ± 12045	36487 ± 42139	96500 ± 186501
Platelet factor 4	PF4	PLF4_HUMAN	10440 ± 14169	148418 ± 123849	246094 ± 230565
Immunoglobulin lambda variable 6-57	IGLV6-57	LV657_HUMAN	87331 ± 76742	120121 ± 116600	55702 ± 49918
Histone H2B type 1-A	HIST1H2BA	H2B1A_HUMAN	10473 ± 15659	32957 ± 49437	56150 ± 33763
Epidermal growth factor receptor kinase substrate 8	EPS8	EPS8_HUMAN	4533 ± 3093	61528 ± 147932	7911 ± 6879
Proteasome subunit beta type-5	PSMB5	PSB5_HUMAN	3382 ± 1720	52101 ± 119238	9471 ± 14192
55 kDa erythrocyte membrane protein	MPP1	EM55_HUMAN	938 ± 1012	50937 ± 131011	9441 ± 13045
Proteasome subunit beta type-6	PSMB6	PSB6_HUMAN	3960 ± 3425	94162 ± 189702	30397 ± 27435

Tubulin alpha-4A chain TUBA4A	TBA4A_HUMAN	20866 ± 58382	68892 ± 48933	86701 ± 99283
Proteasome subunit alpha type-7-like PSMA8	PSA7L_HUMAN	7047 ± 7443	60971 ± 114091	27911 ± 23511
Alpha-amylase 1 AMY1A	AMY1_HUMAN	70314 ± 238477	1717 ± 1397	1776 ± 2820
Fructose-bisphosphate aldolase A ALDOA	ALDOA_HUMAN	3655 ± 4321	64391 ± 96470	49291 ± 72715
Azurocidin AZU1	CAP7_HUMAN	918 ± 967	17973 ± 44572	55189 ± 167123
Tubulin beta-4A chain TUBB4A	TBB4A_HUMAN	20838 ± 59503	51540 ± 36561	92479 ± 94794
CD9 antigen CD9	CD9_HUMAN	24487 ± 72192	43571 ± 45171	59398 ± 57669
Alpha-enolase ENO1	ENOA_HUMAN	26216 ± 31131	72591 ± 63195	112603 ± 140002
Blood group Rh(CE) polypeptide RHCE	RHCE_HUMAN	1708 ± 1823	144201 ± 359831	10168 ± 11230
Ras-related C3 botulinum toxin substrate 2 RAC2	RAC2_HUMAN	1878 ± 3143	70358 ± 126793	86725 ± 247748
C5a anaphylatoxin chemotactic receptor 1 C5AR1	C5AR1_HUMAN	1019 ± 1492	65707 ± 124960	9064 ± 16546
Ankyrin-3 ANK3	ANK3_HUMAN	510 ± 528	74525 ± 175652	32164 ± 56891
Ammonium transporter Rh type A RHAG	RHAG_HUMAN	6 ± 12	105936 ± 232850	41272 ± 30435
Nesprin-2 SYNE2	SYNE2_HUMAN	0	62997 ± 166674	0
N-terminal EF-hand calcium-binding protein 2 NECA2	NECA2_HUMAN	63 ± 93	59166 ± 154281	186 ± 588
Acylamino-acid-releasing enzyme APEH	ACPH_HUMAN	295 ± 1023	79402 ± 180230	17275 ± 22547
Dematin DMTN	DEMA_HUMAN	1916 ± 2444	113926 ± 268861	9572 ± 16559
Flotillin-2 FLOT2	FLOT2_HUMAN	2283 ± 2930	85452 ± 113863	4641 ± 7677
Glutaredoxin domain-containing cysteine-rich protein 2 GRXCR2	GRCR2_HUMAN	2774 ± 9610	308 ± 614	74073 ± 255345
Methionine--tRNA ligase, cytoplasmic MARS	SYMC_HUMAN	48919 ± 57936	61893 ± 50114	2339 ± 3449
Cofilin-1 CFL1	COF1_HUMAN	29321 ± 97992	55356 ± 68780	70648 ± 87748

Table S6: Candidate corona protein biomarkers differentially abundant between healthy and sepsis groups, as identified by proteomic analysis of the ex vivo liposome coronas. Full list of proteins to be upregulated or downregulated in sepsis patients in comparison with healthy controls classified from the highest max fold-change to the lowest. Only proteins with $p < 0.05$ are shown.

Identified Protein (n=135)	Accession Number	Anova (p)	Max fold change
UPREGULATED			
Serum amyloid A-1 protein	SAA1_HUMAN	1.44E-11	70.08
Serum amyloid A-2 protein	SAA2_HUMAN	2.05E-11	50.67
Ras-related C3 botulinum toxin substrate 2	RAC2_HUMAN	1.23E-03	46.18
Neutrophil defensin 1	DEF1_HUMAN	2.47E-03	37.26
Hemoglobin subunit beta	HBB_HUMAN	7.48E-12	36.00

Hemoglobin subunit alpha	HBA_HUMAN	2.06E-12	33.76
Platelet factor 4	PLF4_HUMAN	5.94E-04	23.57
Hemoglobin subunit delta	HBD_HUMAN	2.14E-08	15.21
C-reactive protein	CRP_HUMAN	2.42E-06	13.68
Solute carrier family 2, facilitated glucose transporter member 1	GTR1_HUMAN	9.45E-04	13.64
Cathepsin G	CATG_HUMAN	1.94E-04	10.03
Versican core protein	CSPG2_HUMAN	9.15E-05	9.62
Thrombospondin-1	TSP1_HUMAN	1.52E-08	8.84
Lactotransferrin	TRFL_HUMAN	6.87E-05	8.35
Fibrinogen-like protein 1	FGL1_HUMAN	5.64E-06	7.86
Erythrocyte membrane protein band 4.2	EPB42_HUMAN	9.49E-06	7.58
Peroxiredoxin-2	PRDX2_HUMAN	3.35E-06	7.53
Carbonic anhydrase 1	CAH1_HUMAN	1.30E-05	7.26
Band 3 anion transport protein	B3AT_HUMAN	9.99E-08	6.67
L-lactate dehydrogenase B chain	LDHB_HUMAN	2.04E-02	5.85
Histone H2B type 1-A	H2B1A_HUMAN	9.76E-06	5.36
Multimerin-1	MMRN1_HUMAN	8.42E-05	5.24
Heat shock cognate 71 kDa protein	HSP7C_HUMAN	4.85E-07	5.01
Lipopolysaccharide-binding protein	LBP_HUMAN	1.50E-07	4.96
Tubulin beta-4A chain	TBB4A_HUMAN	4.73E-04	4.44
Alpha-synuclein	SYUA_HUMAN	1.39E-02	4.36
Alpha-enolase	ENOA_HUMAN	6.19E-03	4.30
Transitional endoplasmic reticulum ATPase	TERA_HUMAN	9.77E-05	4.21
Tubulin alpha-4A chain	TBA4A_HUMAN	1.30E-03	4.16
Erythrocyte band 7 integral membrane protein	STOM_HUMAN	4.11E-05	3.94
Ankyrin-1	ANK1_HUMAN	4.14E-05	3.93
Sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1	SVEP1_HUMAN	1.48E-02	3.82
14-3-3 protein zeta/delta	1433Z_HUMAN	6.50E-04	3.51
Complement component C9	CO9_HUMAN	2.11E-07	3.49
Haptoglobin	HPT_HUMAN	1.46E-02	3.41
Alpha-1-acid glycoprotein 1	A1AG1_HUMAN	5.56E-05	3.33
Alpha-1-antichymotrypsin	AACT_HUMAN	1.17E-06	3.26
Ras-related protein Rap-1A	RAP1A_HUMAN	3.43E-03	3.16
Complement factor B	CFAB_HUMAN	1.30E-02	3.13
Centromere protein F	CENPF_HUMAN	1.69E-02	3.12
Tenascin	TENA_HUMAN	1.68E-02	3.05
Myeloperoxidase	PERM_HUMAN	5.21E-05	2.95
Filaggrin	FILA_HUMAN	7.53E-03	2.87
Actin, cytoplasmic 1	ACTB_HUMAN	1.85E-03	2.86
FANCD2 opposite strand protein	FACOS_HUMAN	1.47E-03	2.66
Olfactomedin-4	OLFM4_HUMAN	4.96E-02	2.64
Glyceraldehyde-3-phosphate dehydrogenase	G3P_HUMAN	1.23E-05	2.56
Inter-alpha-trypsin inhibitor heavy chain H3	ITIH3_HUMAN	6.63E-04	2.52
Laminin subunit beta-1	LAMB1_HUMAN	1.34E-02	2.48
CD9 antigen	CD9_HUMAN	1.07E-03	2.43
Cofilin-1	COF1_HUMAN	1.73E-04	2.41
Alpha-1-antitrypsin	A1AT_HUMAN	1.27E-05	2.37
Keratin, type II cuticular Hb1 O	KRT81_HUMAN	3.59E-02	2.34
Protein 4.1	41_HUMAN	3.61E-04	2.25
Fibrillin-1	FBN1_HUMAN	4.77E-02	2.24
Protein S100-A8	S10A8_HUMAN	2.97E-03	2.19
Tetratricopeptide repeat protein 25	TTC25_HUMAN	3.35E-02	2.18
Transforming growth factor-beta-induced protein ig-h3	BGH3_HUMAN	4.77E-02	2.18
Integrin beta-3	ITB3_HUMAN	2.75E-04	2.15
Cilia- and flagella-associated protein 46	CFA46_HUMAN	2.43E-05	2.14
Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	GBB2_HUMAN	3.78E-02	2.05
Complement component C8 gamma chain	CO8G_HUMAN	9.73E-03	2.03
Fibrinogen alpha chain	FIBA_HUMAN	3.12E-04	1.95
Cortactin-binding protein 2	CTTB2_HUMAN	3.55E-02	1.94

Fermitin family homolog 3	URP2_HUMAN	9.52E-04	1.92
Ficolin-2	FCN2_HUMAN	8.28E-05	1.90
Ras-related protein Rab-10	RAB10_HUMAN	7.83E-03	1.88
78 kDa glucose-regulated protein	GRP78_HUMAN	9.11E-03	1.83
Talin-1	TLN1_HUMAN	2.89E-02	1.81
ATP-binding cassette sub-family B member 9	ABCB9_HUMAN	7.29E-04	1.78
Serum amyloid P-component	SAMP_HUMAN	7.26E-03	1.77
Fibrinogen gamma chain	FIBG_HUMAN	8.87E-04	1.75
Nidogen-1	NID1_HUMAN	4.91E-03	1.75
Microsomal triglyceride transfer protein large subunit	MTP_HUMAN	2.26E-02	1.75
Inter-alpha-trypsin inhibitor heavy chain H4	ITIH4_HUMAN	1.07E-02	1.72
Complement component C7	CO7_HUMAN	9.44E-03	1.69
Carboxypeptidase N catalytic chain	CBPN_HUMAN	1.63E-02	1.68
Complement C5	CO5_HUMAN	4.20E-03	1.66
Vitamin D-binding protein	VTDB_HUMAN	4.32E-02	1.65
Heat shock protein HSP 90-alpha	HS90A_HUMAN	1.18E-03	1.64
Mannose-binding protein C	MBL2_HUMAN	2.37E-02	1.63
Complement C1r subcomponent	C1R_HUMAN	2.28E-03	1.60
Integrin alpha-IIb	ITA2B_HUMAN	6.42E-03	1.50
Fibrinogen beta chain	FIBB_HUMAN	3.79E-03	1.50
Transcription factor AP-2-delta	AP2D_HUMAN	4.54E-02	1.45
Filamin-A	FLNA_HUMAN	1.64E-02	1.44
Plasma protease C1 inhibitor	IC1_HUMAN	1.68E-02	1.34

DOWNREGULATED

Phosphatidylcholine-sterol acyltransferase	LCAT_HUMAN	1.50E-03	8.29
Beta-Ala-His dipeptidase	CNDP1_HUMAN	2.04E-05	6.63
Extracellular matrix protein 1	ECM1_HUMAN	9.21E-05	5.92
Plasma kallikrein	KLKB1_HUMAN	4.93E-03	4.18
Fibronectin	FINC_HUMAN	6.02E-07	3.86
DNA annealing helicase and endonuclease ZRANB3	ZRAB3_HUMAN	5.03E-02	3.27
Guanine nucleotide-binding protein G(i) subunit alpha-2	GNAI2_HUMAN	2.42E-05	3.26
Hepatocyte growth factor activator	HGFA_HUMAN	1.29E-04	3.18
Immunoglobulin heavy variable 3-48	HV348_HUMAN	3.28E-03	3.07
ATP-dependent 6-phosphofructokinase, liver type	PFKAL_HUMAN	1.13E-02	2.93
Apolipoprotein A-I	APOA1_HUMAN	9.35E-05	2.74
Immunoglobulin heavy variable 6-1	HV601_HUMAN	4.31E-03	2.60
Transthyretin	TTHY_HUMAN	4.04E-03	2.34
Laminin subunit alpha-2	LAMA2_HUMAN	6.05E-03	2.26
Sulfhydryl oxidase 2	QSOX2_HUMAN	4.35E-02	2.24
Cholinesterase	CHLE_HUMAN	2.66E-03	2.23
N-acetylmuramoyl-L-alanine amidase	PGRP2_HUMAN	1.87E-03	2.23
Phosphatidylinositol-glycan-specific phospholipase D	PHLD_HUMAN	5.49E-04	2.18
Apolipoprotein C-IV	APOC4_HUMAN	3.57E-02	2.03
Insulin-like growth factor-binding protein complex acid labile subunit	ALS_HUMAN	1.23E-02	2.02
Leukosialin	LEUK_HUMAN	6.36E-03	1.91
Sentrin-specific protease 2	SEN2_HUMAN	1.44E-02	1.89
Immunoglobulin lambda variable 3-10	LV310_HUMAN	7.37E-03	1.88
BRCA1-associated protein	BRAP_HUMAN	6.79E-03	1.86
Immunoglobulin kappa variable 3-11	KV311_HUMAN	4.76E-03	1.83
Tenascin-X	TENX_HUMAN	1.79E-02	1.70
Immunoglobulin lambda constant 3 O	IGLC3_HUMAN	4.21E-02	1.70
Immunoglobulin lambda variable 4-69	LV469_HUMAN	3.99E-02	1.68
Kallistatin	KAIN_HUMAN	2.09E-02	1.67
Apolipoprotein L1	APOL1_HUMAN	3.07E-02	1.64
Immunoglobulin kappa variable 6-21	KV621_HUMAN	5.33E-02	1.62
Apolipoprotein M	APOM_HUMAN	1.11E-02	1.61
Apolipoprotein D	APOD_HUMAN	3.46E-03	1.60

Immunoglobulin kappa variable 4-1	KV401_HUMAN	4.69E-02	1.60
Immunoglobulin heavy variable 4-38-2	HVD82_HUMAN	1.68E-02	1.59
Apolipoprotein A-II	APOA2_HUMAN	8.90E-03	1.58
Immunoglobulin lambda variable 1-51	LV151_HUMAN	1.31E-03	1.58
Coagulation factor XIII B chain	F13B_HUMAN	1.63E-03	1.56
Selenoprotein P	SEPP1_HUMAN	2.58E-02	1.54
Immunoglobulin heavy variable 3-73	HV373_HUMAN	5.23E-02	1.51
Inter-alpha-trypsin inhibitor heavy chain H2	ITIH2_HUMAN	4.92E-02	1.50
p21-activated protein kinase-interacting protein 1	PK1IP_HUMAN	3.47E-02	1.44
Apolipoprotein C-I	APOC1_HUMAN	1.50E-02	1.41
Fatty acid desaturase 6	FADS6_HUMAN	4.21E-02	1.40
Desmoglein-1	DSG1_HUMAN	2.83E-02	1.38
Cartilage oligomeric matrix protein	COMP_HUMAN	3.74E-02	1.32
Vitamin K-dependent protein S	PROS_HUMAN	4.10E-02	1.26

Table S7: Ingenuity Pathway Analysis corona proteins differentially abundant between SIRS and sepsis patients. Table shows the 9 corona proteins found to be associated with bacterial infection pathways according to Ingenuity Pathway Analysis (IPA), as illustrated in **Figure 3C**.

Identified Protein	Gene Name
Serum amyloid P component	APCS
B-cell lymphoma/leukemia 10	BCL10
CD5 antigen like	CD5L
Vitronectin	VTN
Hemoglobin subunit alpha	HBA1/HBA2
Ficolin-2	FCN2

Guanine nucleotide-binding protein G(i)	GNAI2
Annexin A2	ANXA2
Lipopolysaccharide binding protein	LBP
