

Differential urinary proteins between AHSP and healthy children using the DDA method

Uniprot ID	Protein description	Gene name	Average of AHSP	Average of HC	Ratio of AHSP/HC or HC/AHSP	P value
Q96RJ3	Tumor necrosis factor receptor superfamily member 13C (B-cell-activating factor receptor) (BAFF receptor) (BAFF-R) (BLyS receptor 3) (CD antigen CD268)	TNFRSF13C	0.000	1.0	Infinity	0.004
A1L4H1	Soluble scavenger receptor cysteine-rich domain-containing protein SSC5D (Soluble scavenger protein with 5 SRCR domains) (SSc5D)	SSC5D	0.000	0.8	Infinity	0.008
P12955	Xaa-Pro dipeptidase (X-Pro dipeptidase) (EC 3.4.13.9) (Imidodipeptidase) (Peptidase D) (Proline dipeptidase) (Prolidase)	PEPD	1.333	0.0	Infinity	0.012
P09417	Dihydropteridine reductase (EC 1.5.1.34) (HDHPR) (Quinoid dihydropteridine reductase) (Short chain dehydrogenase/reductase family 33C member 1)	QDPR	2.133	0.0	Infinity	0.014
O75891	Cytosolic 10-formyltetrahydrofolate dehydrogenase (10-FTHFDH) (FDH) (EC 1.5.1.6) (Aldehyde dehydrogenase family 1 member L1)	ALDH1L1	1.800	0.0	Infinity	0.018
P21281	V-type proton ATPase subunit B, brain isoform (V-ATPase subunit B 2) (Endomembrane proton pump 58 kDa subunit) (HO57) (Vacuolar proton pump subunit B 2)	ATP6V1B2	1.533	0.0	Infinity	0.028

P34913	Bifunctional epoxide hydrolase 2 [Includes: Cytosolic epoxide hydrolase 2 (CEH) (EC 3.3.2.10) (Epoxide hydratase) (Soluble epoxide hydrolase) (SEH); Lipid-phosphate phosphatase (EC 3.1.3.76)]	EPHX2	0.933	0.0	Infinity	0.032
P05026	Sodium/potassium-transporting ATPase subunit beta-1 (Sodium/potassium-dependent ATPase subunit beta-1)	ATP1B1	0.933	0.0	Infinity	0.032
P25774	Cathepsin S (EC 3.4.22.27)	CTSS	2.600	0.0	Infinity	0.033
P07741	Adenine phosphoribosyltransferase (APRT) (EC 2.4.2.7)	APRT	0.867	0.0	Infinity	0.035
P61457	Pterin-4-alpha-carbinolamine dehydratase (PHS) (EC 4.2.1.96) (4-alpha-hydroxy-tetrahydropterin dehydratase) (Dimerization cofactor of hepatocyte nuclear factor 1-alpha) (DCoH) (Dimerization cofactor of HNF1) (Phenylalanine hydroxylase-stimulating protein) (Pterin carbinolamine dehydratase) (PCD)	PCBD1	1.067	0.0	Infinity	0.036
Q5R314	Tetratricopeptide repeat protein 38 (TPR repeat protein 38)	TTC38	0.933	0.0	Infinity	0.047
O00754	Lysosomal alpha-mannosidase (Laman) (EC 3.2.1.24) (Lysosomal acid alpha-mannosidase) (Mannosidase alpha class 2B member 1) (Mannosidase alpha-B) [Cleaved into: Lysosomal alpha-mannosidase A peptide; Lysosomal alpha-mannosidase B peptide; Lysosomal alpha-mannosidase C peptide; Lysosomal alpha-mannosidase D peptide; Lysosomal alpha-mannosidase E peptide]	MAN2B1	6.800	0.0	Infinity	0.049
Q5D862	Filaggrin-2 (FLG-2) (Intermediate filament-associated and psoriasis-susceptibility protein) (Ifapsoriasin)	FLG2	0.067	2.0	30.000	0.001
P21695	Glycerol-3-phosphate dehydrogenase [NAD (+)], cytoplasmic (GPD-C) (GPDH-C) (EC 1.1.1.8)	GPD1	5.600	0.2	28.000	0.017

Q16610	Extracellular matrix protein 1 (Secretory component p85)	ECM1	0.067	1.6	24.000	0.029
Q9NZT1	Calmodulin-like protein 5 (Calmodulin-like skin protein)	CALML5	0.133	2.8	21.000	0.011
Q15274	Nicotinate-nucleotide pyrophosphorylase [carboxylating] (EC 2.4.2.19) (Quinolate phosphoribosyltransferase [decarboxylating]) (QAPRTase) (QPRTase)	QPRT	4.133	0.2	20.667	0.014
P14784	Interleukin-2 receptor subunit beta (IL-2 receptor subunit beta) (IL-2R subunit beta) (IL-2RB) (High affinity IL-2 receptor subunit beta) (Interleukin-15 receptor subunit beta) (p70-75) (p75) (CD antigen CD122)	IL2RB	0.133	2.6	19.500	0.002
A8K2U0	Alpha-2-macroglobulin-like protein 1 (C3 and PZP-like alpha-2-macroglobulin domain-containing protein 9)	A2ML1	0.333	6.0	18.000	0.016
P34896	Serine hydroxymethyltransferase, cytosolic (SHMT) (EC 2.1.2.1) (Glycine hydroxymethyltransferase) (Serine methylase)	SHMT1	3.333	0.2	16.667	0.019
P20930	Filaggrin	FLG	0.600	10.0	16.667	0.021
P30046	D-dopachrome decarboxylase (EC 4.1.1.84) (D-dopachrome tautomerase) (Phenylpyruvate tautomerase II)	DDT	3.133	0.2	15.667	0.004
P09237	Matrilysin (EC 3.4.24.23) (Matrin) (Matrix metalloproteinase-7) (MMP-7) (Pump-1 protease) (Uterine metalloproteinase)	MMP7	3.067	0.2	15.333	0.039
P31151	Protein S100-A7 (Psoriasin) (S100 calcium-binding protein A7)	S100A7	0.467	7.0	15.000	0.002
Q9Y2S2	Lambda-crystallin homolog (EC 1.1.1.45) (L-gulonate 3-dehydrogenase) (Gul3DH)	CRYL1	2.733	0.2	13.667	0.021
Q01151	CD83 antigen (hCD83) (B-cell activation protein) (Cell surface protein HB15) (CD antigen CD83)	CD83	0.133	1.8	13.500	0.001

Q8TAB3	Protocadherin-19	PCDH19	0.067	0.8	12.000	0.022
P07358	Complement component C8 beta chain (Complement component 8 subunit beta)	C8B	0.133	1.6	12.000	0.038
P18206	Vinculin (Metavinculin) (MV)	VCL	0.067	0.8	12.000	0.044
Q86Y78	Ly6/PLAUR domain-containing protein 6	LYPD6	0.067	0.8	12.000	0.044
Q6P4A8	Phospholipase B-like 1 (EC 3.1.1.-) (LAMA-like protein 1) (Lamina ancestor homolog 1) (Phospholipase B domain-containing protein 1) [Cleaved into: Phospholipase B-like 1 chain A; Phospholipase B-like 1 chain B; Phospholipase B-like 1 chain C]	PLBD1	0.067	0.8	12.000	0.044
O94760	N (G),N (G)-dimethylarginine dimethylaminohydrolase 1 (DDAH-1) (Dimethylarginine dimethylaminohydrolase 1) (EC 3.5.3.18) (DDAHI) (Dimethylargininase-1)	DDAH1	3.933	0.4	9.833	0.026
P20160	Azurocidin (Cationic antimicrobial protein CAP37) (Heparin-binding protein) (HBP) (hHBP)	AZU1	0.400	3.8	9.500	0.044
O75369	Filamin-B (FLN-B) (ABP-278) (ABP-280 homolog) (Actin-binding-like protein) (Beta-filamin) (Filamin homolog 1) (Fh1) (Filamin-3) (Thyroid autoantigen) (Truncated actin-binding protein) (Truncated ABP)	FLNB	0.333	3.0	9.000	0.002
P05164	Myeloperoxidase (MPO) (EC 1.11.2.2) [Cleaved into: Myeloperoxidase; 89 kDa myeloperoxidase; 84 kDa myeloperoxidase; Myeloperoxidase light chain; Myeloperoxidase heavy chain]	MPO	1.667	14.8	8.880	0.036
P50897	Palmitoyl-protein thioesterase 1 (PPT-1) (EC 3.1.2.22) (Palmitoyl-protein hydrolase 1)	PPT1	3.333	0.4	8.333	0.040

P04062	Lysosomal acid glucosylceramidase (Lysosomal acid GCCase) (EC 3.2.1.45) (Acid beta-glucosidase) (Alglucerase) (Beta-glucocerebrosidase) (Beta-GC) (Cholesterol glucosyltransferase) (SGTase) (EC 2.4.1.-) (Cholesteryl-beta-glucosidase) (EC 3.2.1.104) (D-glucosyl-N-acylsphingosine glucohydrolase) (Imiglucerase)	GBA	1.600	0.2	8.000	0.045
Q9UNE0	Tumor necrosis factor receptor superfamily member EDAR (Anhidrotic ectodysplasin receptor 1) (Downless homolog) (EDA-A1 receptor) (Ectodermal dysplasia receptor) (Ectodysplasin-A receptor)	EDAR	0.267	2.0	7.500	0.031
P46940	Ras GTPase-activating-like protein IQGAP1 (p195)	IQGAP1	0.333	2.2	6.600	0.001
P04083	Annexin A1 (Annexin I) (Annexin-1) (Calpactin II) (Calpactin-2) (Chromobindin-9) (Lipocortin I) (Phospholipase A2 inhibitory protein) (p35)	ANXA1	1.133	7.4	6.529	0.035
P78423	Fractalkine (C-X3-C motif chemokine 1) (CX3C membrane-anchored chemokine) (Neurotactin) (Small-inducible cytokine D1) [Cleaved into: Processed fractalkine]	CX3CL1	0.333	2.0	6.000	0.004
Q9NPH3	Interleukin-1 receptor accessory protein (IL-1 receptor accessory protein) (IL-1RAcP) (EC 3.2.2.6) (Interleukin-1 receptor 3) (IL-1R-3) (IL-1R3)	IL1RAP	2.400	0.4	6.000	0.003
Q969H8	Myeloid-derived growth factor (MYDGF)	MYDGF	3.533	0.6	5.889	0.003
Q9BYF1	Angiotensin-converting enzyme 2 (EC 3.4.17.23) (ACE-related carboxypeptidase) (Angiotensin-converting enzyme homolog) (ACEH) (Metalloprotease MPROT15) [Cleaved into: Processed angiotensin-converting enzyme 2]	ACE2	3.400	0.6	5.667	0.033

Q9BVM4	Gamma-glutamylaminocyclotransferase (GGACT) (EC 4.3.2.8) (AIG2-like domain-containing protein 1) (Gamma-glutamylamine cyclotransferase)	GGACT	2.267	0.4	5.667	0.040
Q96KP4	Cytosolic non-specific dipeptidase (EC 3.4.13.18) (CNDP dipeptidase 2) (Carnosine dipeptidase II) (Epididymis secretory protein Li 13) (Glutamate carboxypeptidase-like protein 1) (Peptidase A)	CNDP2	7.667	1.4	5.476	0.014
Q9NY25	C-type lectin domain family 5 member A (C-type lectin superfamily member 5) (Myeloid DAP12-associating lectin 1) (MDL-1)	CLEC5A	0.267	1.4	5.250	0.004
P17050	Alpha-N-acetylgalactosaminidase (EC 3.2.1.49) (Alpha-galactosidase B)	NAGA	10.333	2.0	5.167	0.009
O75223	Gamma-glutamylcyclotransferase (EC 4.3.2.9) (Cytochrome c-releasing factor 21)	GGCT	0.467	2.4	5.143	0.004
P08246	Neutrophil elastase (EC 3.4.21.37) (Bone marrow serine protease) (Elastase-2) (Human leukocyte elastase) (HLE) (Medullasin) (PMN elastase)	ELANE	0.467	2.4	5.143	0.046
P51688	N-sulphoglucosamine sulphohydrolase (EC 3.10.1.1) (Sulfo-glucosamine sulfamidase) (Sulphamidase)	SGSH	15.067	3.0	5.022	0.031
P02743	Serum amyloid P-component (SAP) (9.5S alpha-1-glycoprotein) [Cleaved into: Serum amyloid P-component (1-203)]	APCS	0.400	2.0	5.000	0.036
Q99497	Protein/nucleic acid deglycase DJ-1 (EC 3.1.2.-) (EC 3.5.1.-) (EC 3.5.1.124) (Maillard deglycase) (Oncogene DJ1) (Parkinson disease protein 7) (Parkinsonism-associated deglycase) (Protein DJ-1) (DJ-1)	PARK7	6.733	1.4	4.810	0.001

Q8NCC3	Group XV phospholipase A2 (EC 2.3.1.-) (1-O-acylceramide synthase) (ACS) (LCAT-like lysophospholipase) (LLPL) (Lysophospholipase 3) (Lysosomal phospholipase A2) (LPLA2)	PLA2G15	5.733	1.2	4.778	0.013
P16930	Fumarylacetoacetase (FAA) (EC 3.7.1.2) (Beta-diketonase) (Fumarylacetoacetate hydrolase)	FAH	2.867	0.6	4.778	0.028
P11766	Alcohol dehydrogenase class-3 (EC 1.1.1.1) (Alcohol dehydrogenase 5) (Alcohol dehydrogenase class chi chain) (Alcohol dehydrogenase class-III) (Glutathione-dependent formaldehyde dehydrogenase) (FALDH) (FDH) (GSH-FDH) (EC 1.1.1.-) (S- (hydroxymethyl)glutathione dehydrogenase) (EC 1.1.1.284)	ADH5	2.867	0.6	4.778	0.031
Q8IV08	5'-3' exonuclease PLD3 (EC 3.1.16.1) (Choline phosphatase 3) (HindIII K4L homolog) (Hu-K4) (Phosphatidylcholine-hydrolyzing phospholipase D3) (Phospholipase D3) (PLD 3)	PLD3	3.467	0.8	4.333	0.041
P05109	Protein S100-A8 (Calgranulin-A) (Calprotectin L1L subunit) (Cystic fibrosis antigen) (CFAG) (Leukocyte L1 complex light chain) (Migration inhibitory factor-related protein 8) (MRP-8) (p8) (S100 calcium-binding protein A8) (Urinary stone protein band A)	S100A8	2.133	9.2	4.313	0.008
P34059	N-acetylgalactosamine-6-sulfatase (EC 3.1.6.4) (Chondroitinsulfatase) (Chondroitinase) (Galactose-6-sulfate sulfatase) (GalN6S) (N-acetylgalactosamine-6-sulfate sulfatase) (GalNAc6S sulfatase)	GALNS	9.467	2.2	4.303	0.022

P09210	Glutathione S-transferase A2 (EC 2.5.1.18) (GST HA subunit 2) (GST class-alpha member 2) (GST-gamma) (GSTA2-2) (GTH2)	GSTA2	6.867	1.6	4.292	0.030
P01019	Angiotensinogen (Serp1n A8) [Cleaved into: Angiotensin-1 (Angiotensin 1-10) (Angiotensin I) (Ang I); Angiotensin-2 (Angiotensin 1-8) (Angiotensin II) (Ang II); Angiotensin-3 (Angiotensin 2-8) (Angiotensin III) (Ang III) (Des-Asp[1]-angiotensin II); Angiotensin-4 (Angiotensin 3-8) (Angiotensin IV) (Ang IV); Angiotensin 1-9; Angiotensin 1-7; Angiotensin 1-5; Angiotensin 1-4]	AGT	9.800	2.4	4.083	0.006
Q9BXN2	C-type lectin domain family 7 member A (Beta-glucan receptor) (C-type lectin superfamily member 12) (Dendritic cell-associated C-type lectin 1) (DC-associated C-type lectin 1) (Dectin-1) (CD antigen CD369)	CLEC7A	0.600	2.4	4.000	0.000
P29508	Serp1n B3 (Protein T4-A) (Squamous cell carcinoma antigen 1) (SCCA-1)	SERP1NB3	3.800	15.2	4.000	0.018
Q8WWV6	High affinity immunoglobulin alpha and immunoglobulin mu Fc receptor (Fc alpha/mu receptor) (CD antigen CD351)	FCAMR	0.667	2.6	3.900	0.004
Q9H9P2	Chondrolectin (Transmembrane protein MT75)	CHODL	1.867	7.2	3.857	0.004
P62834	Ras-related protein Rap-1A (C21KG) (G-22K) (GTP-binding protein smg p21A) (Ras-related protein Krev-1)	RAP1A	2.267	0.6	3.778	0.049
P06702	Protein S100-A9 (Calgranulin-B) (Calprotectin L1H subunit) (Leukocyte L1 complex heavy chain) (Migration inhibitory factor-related protein 14) (MRP-14) (p14) (S100 calcium-binding protein A9)	S100A9	5.267	19.8	3.759	0.006
O75309	Cadherin-16 (Kidney-specific cadherin) (Ksp-cadherin)	CDH16	4.467	1.2	3.722	0.004

Q92626	Peroxidasin homolog (EC 1.11.1.7) (Melanoma-associated antigen MG50) (Vascular peroxidase 1) (p53-responsive gene 2 protein)	PXDN	0.867	3.2	3.692	0.020
Q9BXR6	Complement factor H-related protein 5 (FHR-5)	CFHR5	1.467	0.4	3.667	0.001
Q9BRA2	Thioredoxin domain-containing protein 17 (14 kDa thioredoxin-related protein) (TRP14) (Protein 42-9-9) (Thioredoxin-like protein 5)	TXNDC17	1.467	0.4	3.667	0.036
Q02413	Desmoglein-1 (Cadherin family member 4) (Desmosomal glycoprotein 1) (DG1) (DGI) (Pemphigus foliaceus antigen)	DSG1	0.667	2.4	3.600	0.016
Q9HB40	Retinoid-inducible serine carboxypeptidase (EC 3.4.16.-) (Serine carboxypeptidase 1)	SCPEP1	7.133	2.0	3.567	0.044
Q07075	Glutamyl aminopeptidase (EAP) (EC 3.4.11.7) (Aminopeptidase A) (AP-A) (Differentiation antigen gp160) (CD antigen CD249)	ENPEP	14.933	4.2	3.556	0.040
Q9UBG0	C-type mannose receptor 2 (C-type lectin domain family 13 member E) (Endocytic receptor 180) (Macrophage mannose receptor 2) (Urokinase-type plasminogen activator receptor-associated protein) (UPAR-associated protein) (Urokinase receptor-associated protein) (CD antigen CD280)	MRC2	1.200	4.2	3.500	0.000
Q9UKY0	Prion-like protein doppel (PrPLP) (Prion protein 2)	PRND	0.867	3.0	3.462	0.041
Q8NHP8	Putative phospholipase B-like 2 (EC 3.1.1.-) (76 kDa protein) (p76) (LAMA-like protein 2) (Lamina ancestor homolog 2) (Phospholipase B domain-containing protein 2) [Cleaved into: Putative phospholipase B-like 2 32 kDa form; Putative phospholipase B-like 2 45 kDa form]	PLBD2	5.400	1.6	3.375	0.013

P13688	Carcinoembryonic antigen-related cell adhesion molecule 1 (Biliary glycoprotein 1) (BGP-1) (CD antigen CD66a)	CEACAM1	0.533	1.8	3.375	0.034
Q06828	Fibromodulin (FM) (Collagen-binding 59 kDa protein) (Keratan sulfate proteoglycan fibromodulin) (KSPG fibromodulin)	FMOD	0.600	2.0	3.333	0.042
O43155	Leucine-rich repeat transmembrane protein FLRT2 (Fibronectin-like domain-containing leucine-rich transmembrane protein 2)	FLRT2	0.733	2.4	3.273	0.019
O95388	CCN family member 4 (WNT1-inducible-signaling pathway protein 1) (WISP-1) (Wnt-1-induced secreted protein)	CCN4	0.733	2.4	3.273	0.044
P17174	Aspartate aminotransferase, cytoplasmic (cAspAT) (EC 2.6.1.1) (EC 2.6.1.3) (Cysteine aminotransferase, cytoplasmic) (Cysteine transaminase, cytoplasmic) (cCAT) (Glutamate oxaloacetate transaminase 1) (Transaminase A)	GOT1	5.867	1.8	3.259	0.023
P02763	Alpha-1-acid glycoprotein 1 (AGP 1) (Orosomucoid-1) (OMD 1)	ORM1	91.933	28.4	3.237	0.010
Q9Y2E5	Epididymis-specific alpha-mannosidase (EC 3.2.1.24) (Mannosidase alpha class 2B member 2)	MAN2B2	14.133	4.4	3.212	0.040
Q9HAT2	Sialate O-acetyltransferase (EC 3.1.1.53) (H-Lse) (Sialic acid-specific 9-O-acetyltransferase)	SIAE	13.467	4.2	3.206	0.004
P01011	Alpha-1-antichymotrypsin (ACT) (Cell growth-inhibiting gene 24/25 protein) (Serpina A3) [Cleaved into: Alpha-1-antichymotrypsin His-Proless]	SERPINA3	54.600	17.2	3.174	0.000
Q8NDA2	Hemicentin-2	HMCN2	2.267	7.0	3.088	0.019

O14773	Tripeptidyl-peptidase 1 (TPP-1) (EC 3.4.14.9) (Cell growth-inhibiting gene 1 protein) (Lysosomal pepstatin-insensitive protease) (LPIC) (Tripeptidyl aminopeptidase) (Tripeptidyl-peptidase I) (TPP-I)	TPP1	12.133	4.0	3.033	0.025
P00352	Retinal dehydrogenase 1 (RALDH 1) (RalDH1) (EC 1.2.1.-) (EC 1.2.1.36) (ALDH-E1) (ALHDII) (Aldehyde dehydrogenase family 1 member A1) (Aldehyde dehydrogenase, cytosolic)	ALDH1A1	7.867	2.6	3.026	0.038
Q8N2G4	Ly6/PLAUR domain-containing protein 1 (Putative HeLa tumor suppressor) (PHTS)	LYPD1	1.133	3.4	3.000	0.028
Q13705	Activin receptor type-2B (EC 2.7.11.30) (Activin receptor type IIB) (ACTR-IIB)	ACVR2B	0.667	2.0	3.000	0.043
O00115	Deoxyribonuclease-2-alpha (EC 3.1.22.1) (Acid DNase) (Deoxyribonuclease II alpha) (DNase II alpha) (Lysosomal DNase II) (R31240_2)	DNASE2	1.800	0.6	3.000	0.048
P16278	Beta-galactosidase (EC 3.2.1.23) (Acid beta-galactosidase) (Lactase) (Elastin receptor 1)	GLB1	26.733	9.0	2.970	0.020
O75787	Renin receptor (ATPase H (+)-transporting lysosomal accessory protein 2) (ATPase H (+)-transporting lysosomal-interacting protein 2) (ER-localized type I transmembrane adaptor) (Embryonic liver differentiation factor 10) (N14F) (Renin/prorenin receptor) (Vacuolar ATP synthase membrane sector-associated protein M8-9) (ATP6M8-9) (V-ATPase M8.9 subunit) [Cleaved into: Renin receptor N-terminal fragment; Renin receptor C-terminal fragment]	ATP6AP2	4.733	1.6	2.958	0.027

P07686	Beta-hexosaminidase subunit beta (EC 3.2.1.52) (Beta-N-acetylhexosaminidase subunit beta) (Hexosaminidase subunit B) (Cervical cancer proto-oncogene 7 protein) (HCC-7) (N-acetyl-beta-glucosaminidase subunit beta) [Cleaved into: Beta-hexosaminidase subunit beta chain B; Beta-hexosaminidase subunit beta chain A]	HEXB	20.533	7.0	2.933	0.019
P09467	Fructose-1,6-bisphosphatase 1 (FBPase 1) (EC 3.1.3.11) (D-fructose-1,6-bisphosphate 1-phosphohydrolase 1) (Liver FBPase)	FBP1	9.333	3.2	2.917	0.034
P40925	Malate dehydrogenase, cytoplasmic (EC 1.1.1.37) (Cytosolic malate dehydrogenase) (Diiodophenylpyruvate reductase) (EC 1.1.1.96)	MDH1	4.600	1.6	2.875	0.041
Q9BRK5	45 kDa calcium-binding protein (Cab45) (Stromal cell-derived factor 4) (SDF-4)	SDF4	6.133	2.2	2.788	0.006
Q9HC56	Protocadherin-9	PCDH9	0.933	2.6	2.786	0.049
P00450	Ceruloplasmin (EC 1.16.3.1) (Ferroxidase)	CP	62.000	23.0	2.696	0.048
O95445	Apolipoprotein M (Apo-M) (ApoM) (Protein G3a)	APOM	2.133	0.8	2.667	0.033
P06703	Protein S100-A6 (Calcyclin) (Growth factor-inducible protein 2A9) (MLN 4) (Prolactin receptor-associated protein) (PRA) (S100 calcium-binding protein A6)	S100A6	0.533	1.4	2.625	0.015
P80370	Protein delta homolog 1 (DLK-1) (pG2) [Cleaved into: Fetal antigen 1 (FA1)]	DLK1	3.667	9.6	2.618	0.002
P04406	Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) (EC 1.2.1.12) (Peptidyl-cysteine S-nitrosylase GAPDH) (EC 2.6.99.-)	GAPDH	15.133	5.8	2.609	0.017

Q96IU4	Protein ABHD14B (EC 3.-.-) (Alpha/beta hydrolase domain-containing protein 14B) (Abhydrolase domain-containing protein 14B) (CCG1-interacting factor B)	ABHD14B	9.267	3.6	2.574	0.011
P22223	Cadherin-3 (Placental cadherin) (P-cadherin)	CDH3	3.067	1.2	2.556	0.029
P48551	Interferon alpha/beta receptor 2 (IFN-R-2) (IFN-alpha binding protein) (IFN-alpha/beta receptor 2) (Interferon alpha binding protein) (Type I interferon receptor 2)	IFNAR2	2.533	1.0	2.533	0.038
P07339	Cathepsin D (EC 3.4.23.5) [Cleaved into: Cathepsin D light chain; Cathepsin D heavy chain]	CTSD	36.267	14.4	2.519	0.005
Q9H6B4	CXADR-like membrane protein (Adipocyte adhesion molecule) (Coxsackie- and adenovirus receptor-like membrane protein) (CAR-like membrane protein)	CLMP	4.000	1.6	2.500	0.047
P14550	Aldo-keto reductase family 1 member A1 (EC 1.1.1.2) (EC 1.1.1.372) (EC 1.1.1.54) (Alcohol dehydrogenase [NADP (+)]) (Aldehyde reductase) (Glucuronate reductase) (EC 1.1.1.19) (Glucuronolactone reductase) (EC 1.1.1.20)	AKR1A1	10.467	4.2	2.492	0.042
P02750	Leucine-rich alpha-2-glycoprotein (LRG)	LRG1	35.267	14.4	2.449	0.029
O43866	CD5 antigen-like (Apoptosis inhibitor expressed by macrophages) (hAIM) (CT-2) (IgM-associated peptide) (SP-alpha)	CD5L	2.533	6.2	2.447	0.004
Q8N2S1	Latent-transforming growth factor beta-binding protein 4 (LTBP-4)	LTBP4	3.867	9.4	2.431	0.040
Q8NBS9	Thioredoxin domain-containing protein 5 (Endoplasmic reticulum resident protein 46) (ER protein 46) (ERp46) (Thioredoxin-like protein p46)	TXNDC5	1.933	0.8	2.417	0.014

Q13228	Methanethiol oxidase (MTO) (EC 1.8.3.4) (56 kDa selenium-binding protein) (SBP56) (SP56) (Selenium-binding protein 1)	SELENBP1	11.533	4.8	2.403	0.023
Q96GW7	Brevican core protein (Brain-enriched hyaluronan-binding protein) (BEHAB) (Chondroitin sulfate proteoglycan 7)	BCAN	1.000	2.4	2.400	0.028
P30041	Peroxiredoxin-6 (EC 1.11.1.15) (1-Cys peroxiredoxin) (1-Cys PRX) (24 kDa protein) (Acidic calcium-independent phospholipase A2) (aiPLA2) (EC 3.1.1.4) (Antioxidant protein 2) (Liver 2D page spot 40) (Non-selenium glutathione peroxidase) (NSGPx) (Red blood cells page spot 12)	PRDX6	8.600	3.6	2.389	0.007
P52758	2-iminobutanoate/2-iminopropanoate deaminase (EC 3.5.99.10) (14.5 kDa translational inhibitor protein) (hp14.5) (p14.5) (Heat-responsive protein 12) (Reactive intermediate imine deaminase A homolog) (Translation inhibitor L-PSP ribonuclease) (UK114 antigen homolog)	RIDA	4.267	1.8	2.370	0.038
P06734	Low affinity immunoglobulin epsilon Fc receptor (BLAST-2) (C-type lectin domain family 4 member J) (Fc-epsilon-RII) (Immunoglobulin E-binding factor) (Lymphocyte IgE receptor) (CD antigen CD23) [Cleaved into: Low affinity immunoglobulin epsilon Fc receptor membrane-bound form; Low affinity immunoglobulin epsilon Fc receptor soluble form]	FCER2	2.933	6.8	2.318	0.040
Q16363	Laminin subunit alpha-4 (Laminin-14 subunit alpha) (Laminin-8 subunit alpha) (Laminin-9 subunit alpha)	LAMA4	2.000	4.6	2.300	0.033
Q8WZ42	Titin (EC 2.7.11.1) (Connectin) (Rhabdomyosarcoma antigen MU-RMS-40.14)	TTN	0.800	1.8	2.250	0.036

P07195	L-lactate dehydrogenase B chain (LDH-B) (EC 1.1.1.27) (LDH heart subunit) (LDH-H) (Renal carcinoma antigen NY-REN-46)	LDHB	15.733	7.0	2.248	0.017
P00918	Carbonic anhydrase 2 (EC 4.2.1.1) (Carbonate dehydratase II) (Carbonic anhydrase C) (CAC) (Carbonic anhydrase II) (CA-II)	CA2	7.600	3.4	2.235	0.025
P07737	Profilin-1 (Epididymis tissue protein Li 184a) (Profilin I)	PFN1	4.467	2.0	2.233	0.042
Q6UXG3	CMRF35-like molecule 9 (CLM-9) (CD300 antigen-like family member G) (Triggering receptor expressed on myeloid cells 4) (TREM-4) (CD antigen CD300g)	CD300LG	28.933	64.6	2.233	0.021
Q03154	Aminoacylase-1 (ACY-1) (EC 3.5.1.14) (N-acyl-L-amino-acid amidohydrolase)	ACY1	16.467	7.4	2.225	0.037
P05062	Fructose-bisphosphate aldolase B (EC 4.1.2.13) (Liver-type aldolase)	ALDOB	20.600	9.4	2.191	0.007
P21802	Fibroblast growth factor receptor 2 (FGFR-2) (EC 2.7.10.1) (K-sam) (KGFR) (Keratinocyte growth factor receptor) (CD antigen CD332)	FGFR2	4.200	9.2	2.190	0.027
P07911	Uromodulin (Tamm-Horsfall urinary glycoprotein) (THP) [Cleaved into: Uromodulin, secreted form]	UMOD	209.467	456.2	2.178	0.022
P29323	Ephrin type-B receptor 2 (EC 2.7.10.1) (Developmentally-regulated Eph-related tyrosine kinase) (ELK-related tyrosine kinase) (EPH tyrosine kinase 3) (EPH-like kinase 5) (EK5) (hEK5) (Renal carcinoma antigen NY-REN-47) (Tyrosine-protein kinase TYRO5) (Tyrosine-protein kinase receptor EPH-3) [Cleaved into: EphB2/CTF1; EphB2/CTF2]	EPHB2	4.133	9.0	2.177	0.001
Q9ULI3	Protein HEG homolog 1	HEG1	9.200	20.0	2.174	0.016

P59665	Neutrophil defensin 1 (Defensin, alpha 1) (HNP-1) (HP-1) (HP1) [Cleaved into: HP 1-56; Neutrophil defensin 2 (HNP-2) (HP-2) (HP2)]	DEFA1	1.333	2.8	2.100	0.036
Q96RW7	Hemicentin-1 (Fibulin-6) (FIBL-6)	HMCN1	16.200	33.0	2.037	0.001
P16112	Aggrecan core protein (Cartilage-specific proteoglycan core protein) (CSPCP) (Chondroitin sulfate proteoglycan core protein 1) (Chondroitin sulfate proteoglycan 1) [Cleaved into: Aggrecan core protein 2]	ACAN	18.467	37.6	2.036	0.036
O00584	Ribonuclease T2 (EC 4.6.1.19) (Ribonuclease 6)	RNASET2	8.867	4.4	2.015	0.018
Q96PD5	N-acetylmuramoyl-L-alanine amidase (EC 3.5.1.28) (Peptidoglycan recognition protein 2) (Peptidoglycan recognition protein long) (PGRP- L)	PGLYRP2	21.667	10.8	2.006	0.026
P48745	CCN family member 3 (Cellular communication network factor 3) (Insulin-like growth factor-binding protein 9) (IBP-9) (IGF-binding protein 9) (IGFBP-9) (Nephro blastoma-overexpressed gene protein homolog) (Protein NOV homolog) (NovH)	CCN3	10.400	20.8	2.000	0.014
Q496F6	CMRF35-like molecule 2 (CLM-2) (CD300 antigen-like family member E) (CMRF35-A5) (Immune receptor expressed on myeloid cells 2) (IREM-2) (Polymeric immunoglobulin receptor 2) (PIgR-2) (PIgR2) (Poly-Ig receptor 2) (CD antigen CD300e)	CD300E	3.533	7.0	1.981	0.040
Q03405	Urokinase plasminogen activator surface receptor (U-PAR) (uPAR) (Monocyte activation antigen Mo3) (CD antigen CD87)	PLAUR	5.600	11.0	1.964	0.031
P17813	Endoglin (CD antigen CD105)	ENG	1.733	3.4	1.962	0.023

P80188	Neutrophil gelatinase-associated lipocalin (NGAL) (25 kDa alpha-2-microglobulin-related subunit of MMP-9) (Lipocalin-2) (Oncogene 24p3) (Siderocalin) (p25)	LCN2	6.867	13.4	1.951	0.010
P36897	TGF-beta receptor type-1 (TGFR-1) (EC 2.7.11.30) (Activin A receptor type II-like protein kinase of 53kD) (Activin receptor-like kinase 5) (ALK-5) (ALK5) (Serine/threonine-protein kinase receptor R4) (SKR4) (TGF-beta type I receptor) (Transforming growth factor-beta receptor type I) (TGF-beta receptor type I) (TbetaR-I)	TGFBFR1	3.000	5.8	1.933	0.022
Q9H665	IGF-like family receptor 1 (Transmembrane protein 149) (U2 small nuclear RNA auxiliary factor 1-like 4)	IGFLR1	5.600	10.8	1.929	0.034
P61626	Lysozyme C (EC 3.2.1.17) (1,4-beta-N-acetylmuramidase C)	LYZ	3.667	7.0	1.909	0.021
Q6FHJ7	Secreted frizzled-related protein 4 (sFRP-4) (Frizzled protein, human endometrium) (FrpHE)	SFRP4	2.200	4.2	1.909	0.040
P04217	Alpha-1B-glycoprotein (Alpha-1-B glycoprotein)	A1BG	43.267	23.0	1.881	0.016
P41217	OX-2 membrane glycoprotein (CD antigen CD200)	CD200	3.533	6.6	1.868	0.004
Q7Z5L0	Vitelline membrane outer layer protein 1 homolog	VMO1	14.467	26.8	1.853	0.001
Q8IUL8	Cartilage intermediate layer protein 2 (CILP-2) [Cleaved into: Cartilage intermediate layer protein 2 C1; Cartilage intermediate layer protein 2 C2]	CILP2	12.800	23.4	1.828	0.000
Q9HCN6	Platelet glycoprotein VI (GPVI) (Glycoprotein 6)	GP6	9.000	5.0	1.800	0.031
Q7Z6A9	B- and T-lymphocyte attenuator (B- and T-lymphocyte-associated protein) (CD antigen CD272)	BTLA	3.600	6.4	1.778	0.042
O14594	Neurocan core protein (Chondroitin sulfate proteoglycan 3)	NCAN	3.267	5.8	1.776	0.050

O75144	ICOS ligand (B7 homolog 2) (B7-H2) (B7-like protein G150) (B7-related protein 1) (B7RP-1) (CD antigen CD275)	ICOSLG	9.467	16.8	1.775	0.012
P22105	Tenascin-X (TN-X) (Hexabrachion-like protein)	TNXB	23.667	41.8	1.766	0.010
P02795	Metallothionein-2 (MT-2) (Metallothionein-2A) (Metallothionein-II) (MT-II)	MT2A	2.467	1.4	1.762	0.047
Q8TBP5	Membrane protein FAM174A (Hepatitis C virus NS5A-transactivated protein 6) (HCV NS5A-transactivated protein 6) (Transmembrane protein 157)	FAM174A	1.933	3.4	1.759	0.020
P25311	Zinc-alpha-2-glycoprotein (Zn-alpha-2-GP) (Zn-alpha-2-glycoprotein)	AZGP1	75.067	43.0	1.746	0.027
P16070	CD44 antigen (CDw44) (Epicam) (Extracellular matrix receptor III) (ECMR-III) (GP90 lymphocyte homing/adhesion receptor) (HUTCH-I) (Heparan sulfate proteoglycan) (Hermes antigen) (Hyaluronate receptor) (Phagocytic glycoprotein 1) (PGP-1) (Phagocytic glycoprotein I) (PGP-I) (CD antigen CD44)	CD44	12.467	21.6	1.733	0.001
Q13145	BMP and activin membrane-bound inhibitor homolog (Non-metastatic gene A protein) (Putative transmembrane protein NMA)	BAMBI	4.733	8.2	1.732	0.023
Q86Y38	Xylosyltransferase 1 (EC 2.4.2.26) (Peptide O-xylosyltransferase 1) (Xylosyltransferase I) (XT-I) (XylT-I)	XYLT1	2.200	3.8	1.727	0.026
Q2UY09	Collagen alpha-1 (XXVIII) chain	COL28A1	2.667	4.6	1.725	0.042
P08138	Tumor necrosis factor receptor superfamily member 16 (Gp80-LNGFR) (Low affinity neurotrophin receptor p75NTR) (Low-affinity nerve growth factor receptor) (NGF receptor) (p75 ICD) (CD antigen CD271)	NGFR	9.667	16.6	1.717	0.022

Q9HCU0	Endosialin (Tumor endothelial marker 1) (CD antigen CD248)	CD248	14.333	24.2	1.688	0.001
Q9H8L6	Multimerin-2 (EMILIN-3) (Elastin microfibril interface located protein 3) (Elastin microfibril interfacier 3) (EndoGlyx-1 p125/p140 subunit)	MMRN2	6.800	11.4	1.676	0.000
O43291	Kunitz-type protease inhibitor 2 (Hepatocyte growth factor activator inhibitor type 2) (HAI-2) (Placental bikunin)	SPINT2	3.267	5.4	1.653	0.021
P15289	Arylsulfatase A (ASA) (EC 3.1.6.8) (Cerebrosidase-sulfatase) [Cleaved into: Arylsulfatase A component B; Arylsulfatase A component C]	ARSA	22.467	13.6	1.652	0.035
O94910	Adhesion G protein-coupled receptor L1 (Calcium-independent alpha-latrotroxin receptor 1) (CIRL-1) (Letrophilin-1) (Lectomedin-2)	ADGRL1	9.267	15.0	1.619	0.001
P39059	Collagen alpha-1 (XV) chain [Cleaved into: Restin (Endostatin-XV) (Related to endostatin) (Restin-I); Restin-2 (Restin-II); Restin-3 (Restin-III); Restin-4 (Restin-IV)]	COL15A1	10.133	15.6	1.539	0.034
P08571	Monocyte differentiation antigen CD14 (Myeloid cell-specific leucine-rich glycoprotein) (CD antigen CD14) [Cleaved into: Monocyte differentiation antigen CD14, urinary form; Monocyte differentiation antigen CD14, membrane-bound form]	CD14	46.400	30.2	1.536	0.023
P02751	Fibronectin (FN) (Cold-insoluble globulin) (CIG) [Cleaved into: Anastellin; Ugl-Y1; Ugl-Y2; Ugl-Y3]	FN1	80.867	123.8	1.531	0.045
P02765	Alpha-2-HS-glycoprotein (Alpha-2-Z-globulin) (Ba-alpha-2-glycoprotein) (Fetuin-A) [Cleaved into: Alpha-2-HS-glycoprotein chain A; Alpha-2-HS-glycoprotein chain B]	AHSG	68.133	44.8	1.521	0.012

P98160	Basement membrane-specific heparan sulfate proteoglycan core protein (HSPG) (Perlecan) (PLC) [Cleaved into: Endorepellin; LG3 peptide]	HSPG2	137.600	208.2	1.513	0.020
A6NL88	Protein shisa-7 (Cystine-knot AMPAR modulating protein of 59 kDa) (CKAMP59) (GABA (A) receptor auxiliary subunit Shisa7) (Protein shisa-6-like)	SHISA7	1.200	1.8	1.500	0.044

The numbers represent the spectra counts. AHSP, abdominal type Henoch-Schonlein purpura; HC, healthy control.