

EMRT Cluster – Bar View

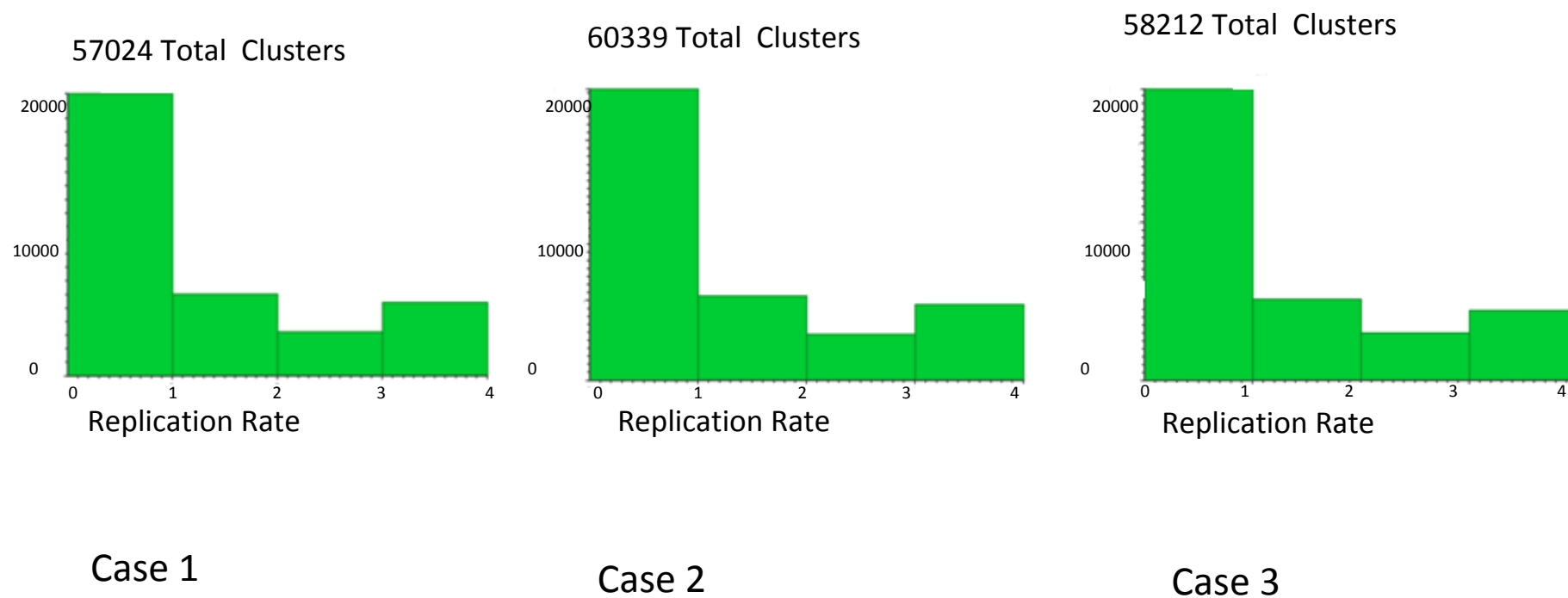


Fig. S1 Exact Mass Retention Time (EMRT) cluster replication rate.

Four replicates data set were analysed for each patient to provide information about data quality. Histograms show replication rate of each mass peak, defined by its EMRT.

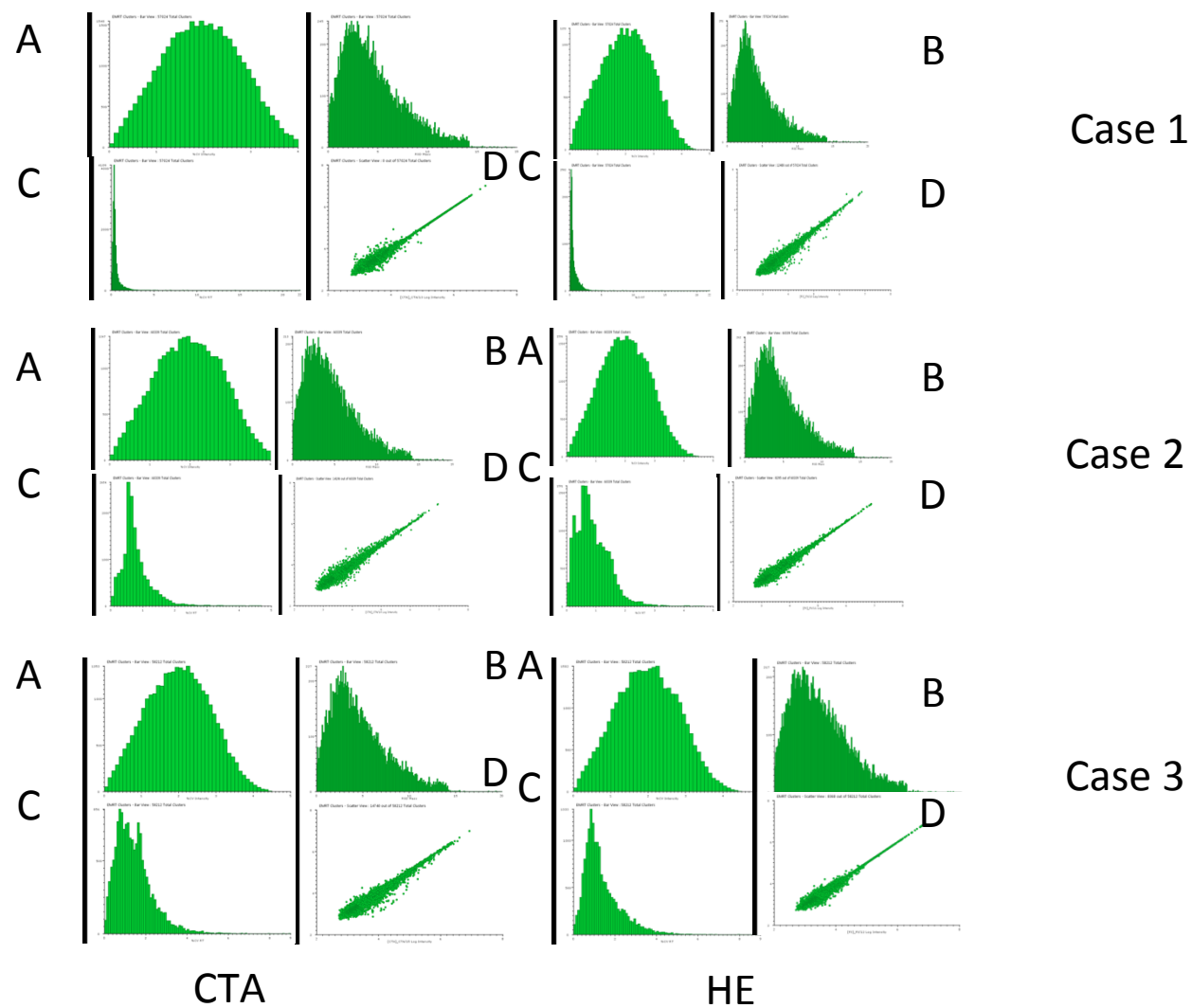


Fig. S2 Analytical reproducibility of replicates LC-MS^E experiments. (A) Average coefficient of variation of the measured signal intensity of the clusters. (B) Relative standard deviation from all the Exact Mass Retention Time (EMRT) components. (C) Average retention time coefficient of variation. (D) Binary comparison of the log intensity measurement obtained from the matched EMRT cluster for two replicates injection.

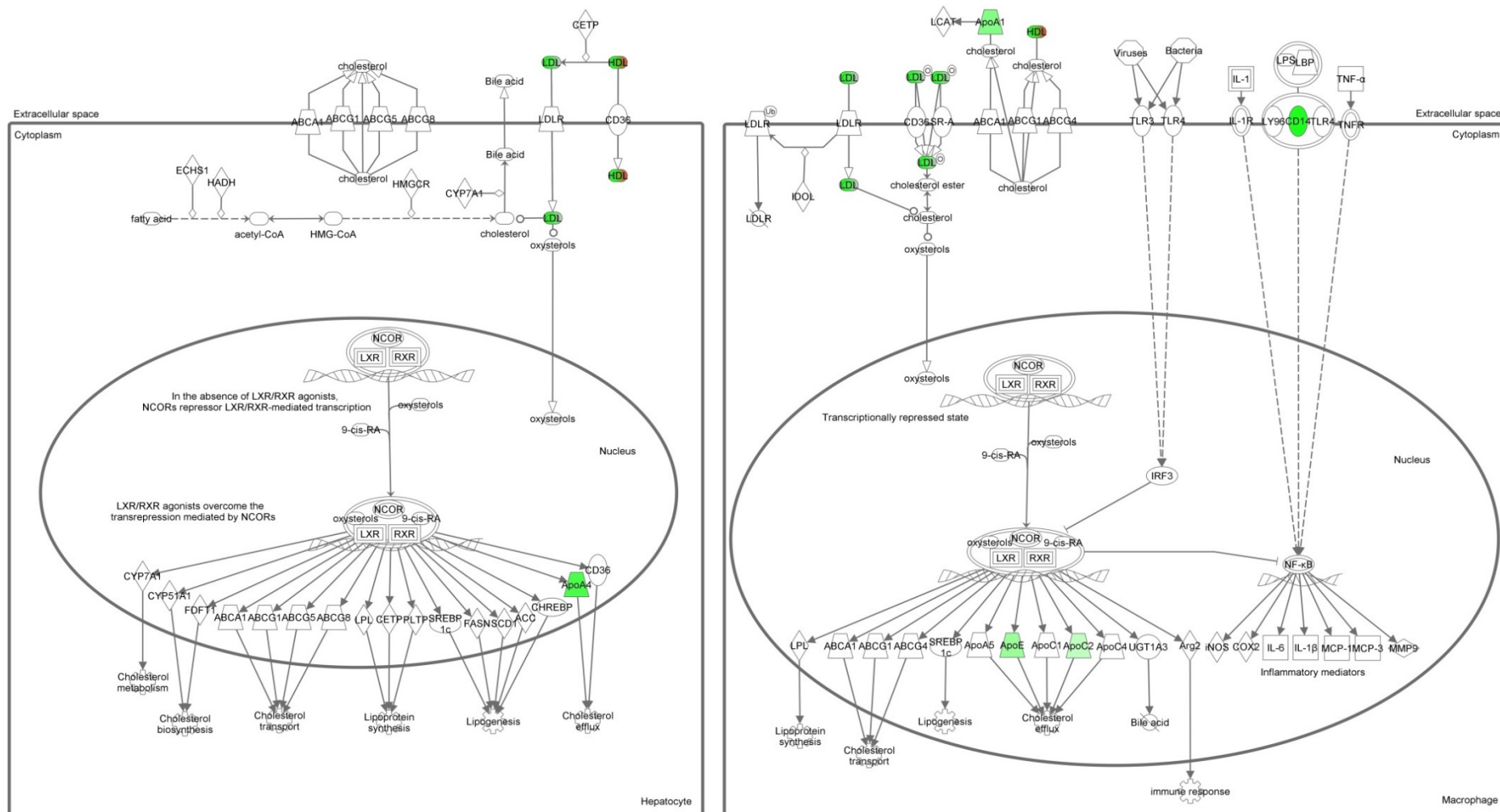


Fig. S3 Ingenuity Pathway Analysis (IPA) of cellulose triacetate retained proteins pool of dataset. Proteins retained from cellulose triacetate-containing dialyser are involved in the LXR/RXR Activation canonical pathway.

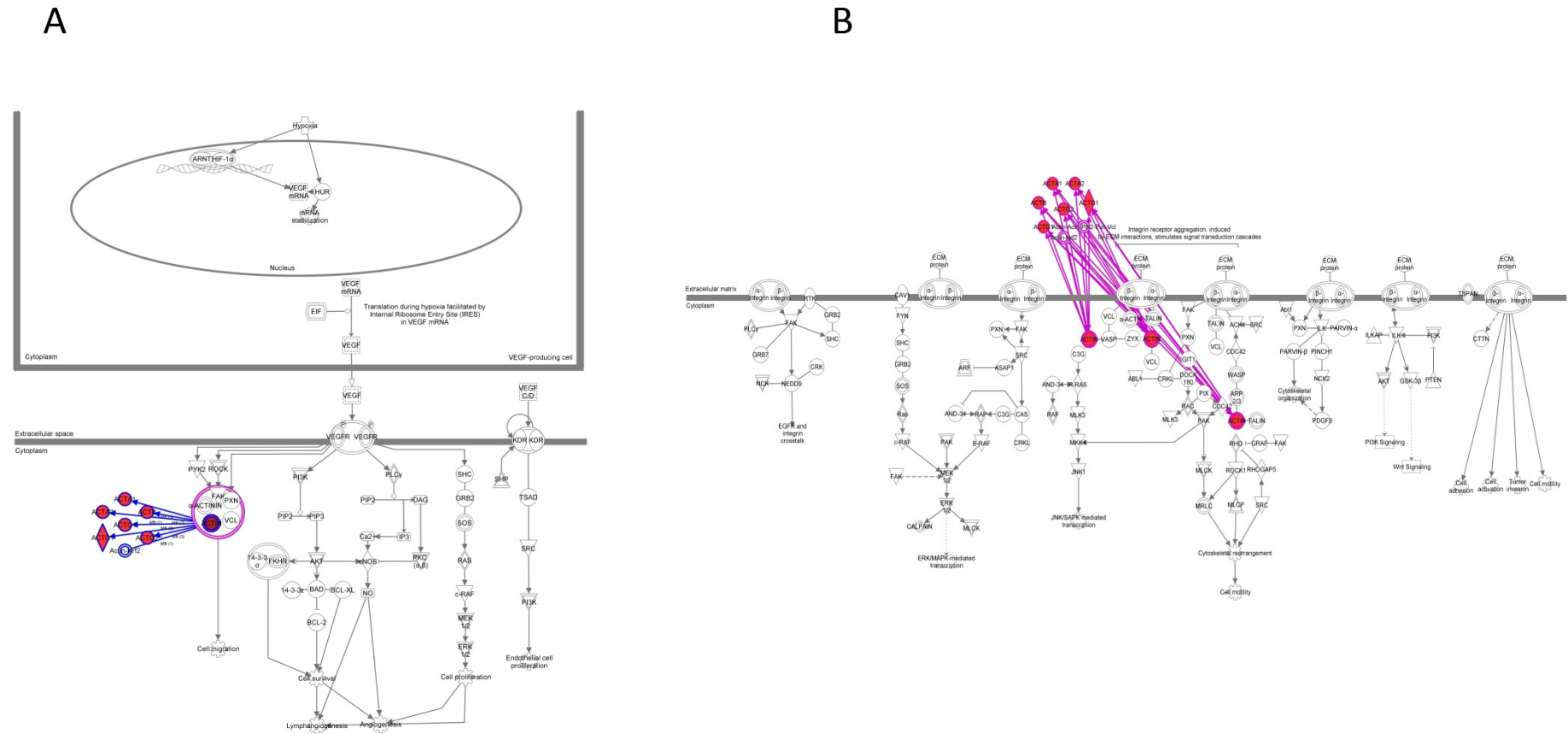


Fig. S4 Ingenuity Pathway Analysis (IPA) of helixone retained proteins pool of dataset. Proteins retained from helixone-containing dialyser (red symbols) are involved in the VEGF Signalling canonical pathway (A) and in activation of the Integrin Signalling canonical pathway (B).

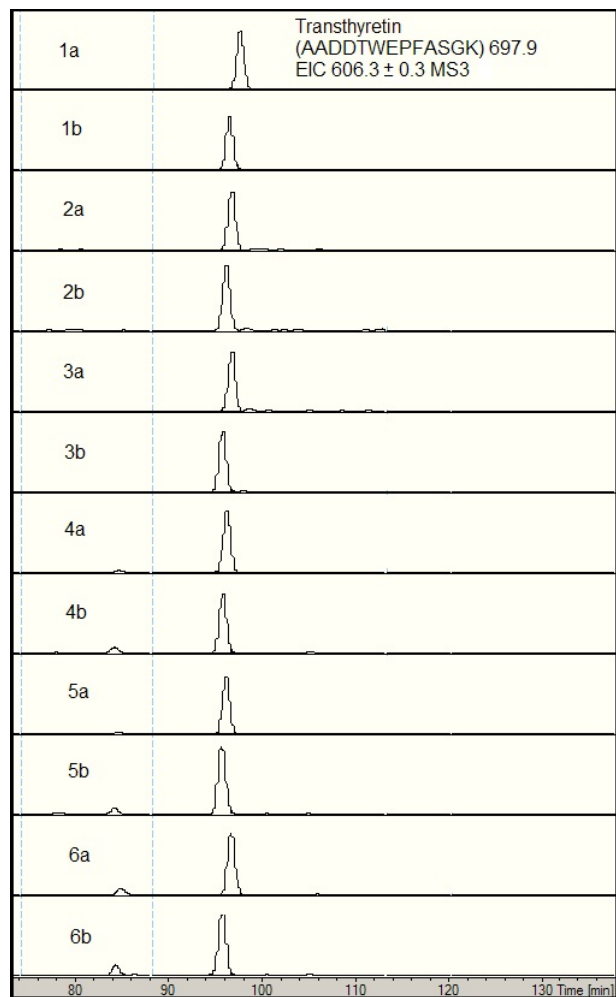


Fig. S5 Transthyretin peptide AADDTWEPFASGK can be easily isolated in all biological and technical replicates, allowing to monitor the selected transition and integrate peak area in the EIC. Retention time variation was observed to be less than 3 seconds (CV% < 1%).

Table S1. BOTTOM UP DATA INDEPENDENT DIFFERENTIAL ANALYSIS						
Case 1						
Accession *	Description	PLGS Score †	Highly Represe nted‡	HE:CTA_ Ratio§	HE:CTA_ Log(e)R atio	HE:CTA__Log (e)StdDev
1.	* Unique protein sequence identifier according to UniProtKB/Swiss-Prot Protein Knowledgebase, release 2014_03 of 19-Mar-14.					
2.	† ProteinLynx Global Server score.					
3.	‡ Protein found highly represented in Helixone (HE) or in Cellulose Triacetate (CTA) membrane retained proteins					
4.	§ Ratio of expression between HE and CTA membrane retained proteins					
5.	# colour code: green protein are more retained by CTA membrane, red protein are more retained by HE membrane					
P08571	Monocyte differentiation antigen CD14 OS=Homo sapiens GN=CD14 PE=1 SV=2	374,41	CTA	CTA	CTA	CTA
P01859	Ig gamma-2 chain C region OS=Homo sapiens GN=IGHG2 PE=1 SV=2	834,23	CTA	CTA	CTA	CTA
P01857	Ig gamma-1 chain C region OS=Homo sapiens GN=IGHG1 PE=1 SV=1	5951,07	CTA	CTA	CTA	CTA
P01009	Alpha-1-antitrypsin OS=Homo sapiens GN=SERPINA1 PE=1 SV=3	5426,8	CTA	CTA	CTA	CTA
P08603	Complement factor H OS=Homo sapiens GN=CFH PE=1 SV=4	264,67	CTA	CTA	CTA	CTA
P02753	Retinol-binding protein 4 OS=Homo sapiens GN=RBP4 PE=1 SV=3	10719,37	CTA	CTA	CTA	CTA
P04206	Ig kappa chain V-III region GOL OS=Homo sapiens PE=1 SV=1	505,75	CTA	CTA	CTA	CTA
P36980	Complement factor H-related protein 2 OS=Homo sapiens GN=CFHR2 PE=1 SV=1	1082,5	CTA	CTA	CTA	CTA
P02750	Leucine-rich alpha-2-glycoprotein OS=Homo sapiens GN=LRG1 PE=1 SV=2	947,04	CTA	CTA	CTA	CTA
P19652	Alpha-1-acid glycoprotein 2 OS=Homo sapiens GN=ORM2 PE=1 SV=2	787,08	CTA	CTA	CTA	CTA

P02749	Beta-2-glycoprotein 1 OS=Homo sapiens GN=APOH PE=1 SV=3	2168,58	CTA	CTA	CTA	CTA
P01042	Kininogen-1 OS=Homo sapiens GN=KNG1 PE=1 SV=2	2731,24	CTA	CTA	CTA	CTA
P02790	Hemopexin OS=Homo sapiens GN=HPX PE=1 SV=2	1482,22	CTA	CTA	CTA	CTA
P18136	Ig kappa chain V-III region HIC OS=Homo sapiens PE=2 SV=2	1514,25	CTA	CTA	CTA	CTA
P18135	Ig kappa chain V-III region HAH OS=Homo sapiens PE=2 SV=1	1514,25	CTA	CTA	CTA	CTA
P02787	Serotransferrin OS=Homo sapiens GN=TF PE=1 SV=3	1722,68	CTA	CTA	CTA	CTA
P01623	Ig kappa chain V-III region WOL OS=Homo sapiens PE=1 SV=1	1514,25	CTA	CTA	CTA	CTA
P01622	Ig kappa chain V-III region Ti OS=Homo sapiens PE=1 SV=1	505,75	CTA	CTA	CTA	CTA
O76076	WNT1-inducible-signaling pathway protein 2 OS=Homo sapiens GN=WISP2 PE=1 SV=1	755,1	CTA	CTA	CTA	CTA
P01620	Ig kappa chain V-III region SIE OS=Homo sapiens PE=1 SV=1	1514,25	CTA	CTA	CTA	CTA
P01034	Cystatin-C OS=Homo sapiens GN=CST3 PE=1 SV=1	1122,23	CTA	CTA	CTA	CTA
P04196	Histidine-rich glycoprotein OS=Homo sapiens GN=HRG PE=1 SV=1	397,75	CTA	CTA	CTA	CTA
Q03591	Complement factor H-related protein 1 OS=Homo sapiens GN=CFHR1 PE=1 SV=2	1239,95	CTA	CTA	CTA	CTA
P02774	Vitamin D-binding protein OS=Homo sapiens GN=GC PE=1 SV=1	1450,24	CTA	CTA	CTA	CTA
Q12805	EGF-containing fibulin-like extracellular matrix protein 1 OS=Homo sapiens GN=EFEMP1 PE=1 SV=2	980,37	CTA	CTA	CTA	CTA
P01861	Ig gamma-4 chain C region OS=Homo sapiens GN=IGHG4 PE=1 SV=1	2637,1	CTA	CTA	CTA	CTA
P01860	Ig gamma-3 chain C region OS=Homo sapiens GN=IGHG3 PE=1 SV=2	2654,68	CTA	CTA	CTA	CTA
P02765	Alpha-2-HS-glycoprotein OS=Homo sapiens GN=AHSG PE=1 SV=1	1165,65	CTA	CTA	CTA	CTA
P02763	Alpha-1-acid glycoprotein 1 OS=Homo sapiens GN=ORM1 PE=1 SV=1	1920,05	CTA	CTA	CTA	CTA
P02760	Protein AMBP OS=Homo sapiens GN=AMBP PE=1 SV=1	7358,24	CTA	CTA	CTA	CTA

P06727	Apolipoprotein A-IV OS=Homo sapiens GN=APOA4 PE=1 SV=3	33805,95		0,03	-3,68	0,07
P01834	Ig kappa chain C region OS=Homo sapiens GN=IGKC PE=1 SV=1	25084,61		0,07	-2,64	0,12
P02768	Serum albumin OS=Homo sapiens GN=ALB PE=1 SV=2	45043,62		0,07	-2,6	0,04
P02647	Apolipoprotein A-I OS=Homo sapiens GN=APOA1 PE=1 SV=1	61850,12		0,08	-2,5	0,04
A0M8Q6	Ig lambda-7 chain C region OS=Homo sapiens GN=IGLC7 PE=1 SV=2	12564,6		0,13	-2,05	0,16
P02649	Apolipoprotein E OS=Homo sapiens GN=APOE PE=1 SV=1	8407,3		0,13	-2,04	0,11
P0CF74	Ig lambda-6 chain C region OS=Homo sapiens GN=IGLC6 PE=4 SV=1	26511,72		0,14	-1,94	0,07
B9A064	Immunoglobulin lambda-like polypeptide 5 OS=Homo sapiens GN=IGLL5 PE=2 SV=2	50172,51		0,14	-1,94	0,07
P0CG04	Ig lambda-1 chain C regions OS=Homo sapiens GN=IGLC1 PE=1 SV=1	49479,4		0,14	-1,94	0,07
P0CG06	Ig lambda-3 chain C regions OS=Homo sapiens GN=IGLC3 PE=1 SV=1	48247,2		0,15	-1,93	0,08
P0CG05	Ig lambda-2 chain C regions OS=Homo sapiens GN=IGLC2 PE=1 SV=1	48247,2		0,15	-1,92	0,07
P02655	Apolipoprotein C-II OS=Homo sapiens GN=APOC2 PE=1 SV=1	29205,1		0,29	-1,25	0,05
P10909	Clusterin OS=Homo sapiens GN=CLU PE=1 SV=1	3024,07		0,33	-1,11	0,07
P04004	Vitronectin OS=Homo sapiens GN=VTN PE=1 SV=1	468,71		1,82	0,6	0,09
P02671	Fibrinogen alpha chain OS=Homo sapiens GN=FGA PE=1 SV=2	6722,38		2,36	0,86	0,03
P0DJI8	Serum amyloid A-1 protein OS=Homo sapiens GN=SAA1 PE=1 SV=1	24619,64		4,10	1,41	0,04
P01024	Complement C3 OS=Homo sapiens GN=C3 PE=1 SV=2	344,75		4,66	1,54	0,08
P0DJI9	Serum amyloid A-2 protein OS=Homo sapiens GN=SAA2 PE=1 SV=1	10540,51		4,90	1,59	0,05
P63261	Actin, cytoplasmic 2 OS=Homo sapiens GN=ACTG1 PE=1 SV=1	527,67	HE	HE	HE	HE
P01008	Antithrombin-III OS=Homo sapiens GN=SERPINC1 PE=1 SV=1	883,3	HE	HE	HE	HE

Q75339	Cartilage intermediate layer protein 1 OS=Homo sapiens GN=CILP PE=1 SV=4	147,31	HE	HE	HE	HE
Q9BYX7	Putative beta-actin-like protein 3 OS=Homo sapiens GN=POTEKP PE=5 SV=1	375,42	HE	HE	HE	HE
P02748	Complement component C9 OS=Homo sapiens GN=C9 PE=1 SV=2	138,09	HE	HE	HE	HE
Q07507	Dermatopontin OS=Homo sapiens GN=DPT PE=2 SV=2	1699,38	HE	HE	HE	HE
P62736	Actin, aortic smooth muscle OS=Homo sapiens GN=ACTA2 PE=1 SV=1	632,48	HE	HE	HE	HE
Q9H1Z8	Augurin OS=Homo sapiens GN=C2orf40 PE=1 SV=1	428,7	HE	HE	HE	HE
P11684	Uteroglobin OS=Homo sapiens GN=SCGB1A1 PE=1 SV=1	1203,53	HE	HE	HE	HE
Q6S8J3	POTE ankyrin domain family member E OS=Homo sapiens GN=POTEE PE=1 SV=3	412,27	HE	HE	HE	HE
O00187	Mannan-binding lectin serine protease 2 OS=Homo sapiens GN=MASP2 PE=1 SV=4	316,3	HE	HE	HE	HE
P68133	Actin, alpha skeletal muscle OS=Homo sapiens GN=ACTA1 PE=1 SV=1	610,32	HE	HE	HE	HE
P68032	Actin, alpha cardiac muscle 1 OS=Homo sapiens GN=ACTC1 PE=1 SV=1	632,48	HE	HE	HE	HE
P48740	Mannan-binding lectin serine protease 1 OS=Homo sapiens GN=MASP1 PE=1 SV=3	3189,61	HE	HE	HE	HE
P60709	Actin, cytoplasmic 1 OS=Homo sapiens GN=ACTB PE=1 SV=1	527,67	HE	HE	HE	HE
Q15485	Ficolin-2 OS=Homo sapiens GN=FCN2 PE=1 SV=2	14175,09	HE	HE	HE	HE
Q16819	Meprin A subunit alpha OS=Homo sapiens GN=MEP1A PE=1 SV=2	527,51	HE	HE	HE	HE
A5A3E0	POTE ankyrin domain family member F OS=Homo sapiens GN=POTEF PE=1 SV=2	412,27	HE	HE	HE	HE
Q562R1	Beta-actin-like protein 2 OS=Homo sapiens GN=ACTBL2 PE=1 SV=2	387,04	HE	HE	HE	HE
P09382	Galectin-1 OS=Homo sapiens GN=LGALS1 PE=1 SV=2	705,03	HE	HE	HE	HE
P63267	Actin, gamma-enteric smooth muscle OS=Homo sapiens GN=ACTG2 PE=1 SV=1	632,48	HE	HE	HE	HE
Case 2						

Accession	Description	Score	Unique	HE:CTA_ Ratio	HE:CTA_ Log(e)R atio	HE:CTA_Log(e)Variance
P08571	Monocyte differentiation antigen CD14 OS=Homo sapiens GN=CD14 PE=1 SV=2	579,25	CTA	CTA	CTA	CTA
P01859	Ig gamma-2 chain C region OS=Homo sapiens GN=IGHG2 PE=1 SV=2	2259,19	CTA	CTA	CTA	CTA
P01857	Ig gamma-1 chain C region OS=Homo sapiens GN=IGHG1 PE=1 SV=1	6413,42	CTA	CTA	CTA	CTA
P01009	Alpha-1-antitrypsin OS=Homo sapiens GN=SERPINA1 PE=1 SV=3	3687,61	CTA	CTA	CTA	CTA
P02753	Retinol-binding protein 4 OS=Homo sapiens GN=RBP4 PE=1 SV=3	6183,96	CTA	CTA	CTA	CTA
P04206	Ig kappa chain V-III region GOL OS=Homo sapiens PE=1 SV=1	4908,27	CTA	CTA	CTA	CTA
P36980	Complement factor H-related protein 2 OS=Homo sapiens GN=CFHR2 PE=1 SV=1	451,74	CTA	CTA	CTA	CTA
P00746	Complement factor D OS=Homo sapiens GN=CFD PE=1 SV=5	528,9	CTA	CTA	CTA	CTA
P02749	Beta-2-glycoprotein 1 OS=Homo sapiens GN=APOH PE=1 SV=3	1858,94	CTA	CTA	CTA	CTA
Q13790	Apolipoprotein F OS=Homo sapiens GN=APOF PE=1 SV=2	629,42	CTA	CTA	CTA	CTA
P01042	Kininogen-1 OS=Homo sapiens GN=KNG1 PE=1 SV=2	1757,57	CTA	CTA	CTA	CTA
P41159	Leptin OS=Homo sapiens GN=LEP PE=1 SV=1	1313,66	CTA	CTA	CTA	CTA
P18136	Ig kappa chain V-III region HIC OS=Homo sapiens PE=2 SV=2	5203,02	CTA	CTA	CTA	CTA
P18135	Ig kappa chain V-III region HAH OS=Homo sapiens PE=2 SV=1	5203,02	CTA	CTA	CTA	CTA
P02787	Serotransferrin OS=Homo sapiens GN=TF PE=1 SV=3	330,94	CTA	CTA	CTA	CTA
P01623	Ig kappa chain V-III region WOL OS=Homo sapiens PE=1 SV=1	5203,02	CTA	CTA	CTA	CTA
P01622	Ig kappa chain V-III region Ti OS=Homo sapiens PE=1 SV=1	4908,27	CTA	CTA	CTA	CTA
P01620	Ig kappa chain V-III region SIE OS=Homo sapiens PE=1 SV=1	5203,02	CTA	CTA	CTA	CTA

Q03591	Complement factor H-related protein 1 OS=Homo sapiens GN=CFHR1 PE=1 SV=2	441,31	CTA	CTA	CTA	CTA
Q12805	EGF-containing fibulin-like extracellular matrix protein 1 OS=Homo sapiens GN=EFEMP1 PE=1 SV=2	640,74	CTA	CTA	CTA	CTA
P01861	Ig gamma-4 chain C region OS=Homo sapiens GN=IGHG4 PE=1 SV=1	3673,03	CTA	CTA	CTA	CTA
P01860	Ig gamma-3 chain C region OS=Homo sapiens GN=IGHG3 PE=1 SV=2	3913,3	CTA	CTA	CTA	CTA
P02765	Alpha-2-HS-glycoprotein OS=Homo sapiens GN=AHSG PE=1 SV=1	356,51	CTA	CTA	CTA	CTA
P02760	Protein AMBP OS=Homo sapiens GN=AMBP PE=1 SV=1	5439,31	CTA	CTA	CTA	CTA
B9A064	Immunoglobulin lambda-like polypeptide 5 OS=Homo sapiens GN=IGLL5 PE=2 SV=2	31466,05		0,11	-2,2	0,07
P0CG06	Ig lambda-3 chain C regions OS=Homo sapiens GN=IGLC3 PE=1 SV=1	29832,89		0,11	-2,19	0,08
P0CG04	Ig lambda-1 chain C regions OS=Homo sapiens GN=IGLC1 PE=1 SV=1	31201,36		0,11	-2,19	0,08
P0CG05	Ig lambda-2 chain C regions OS=Homo sapiens GN=IGLC2 PE=1 SV=1	29832,89		0,11	-2,18	0,07
P02647	Apolipoprotein A-I OS=Homo sapiens GN=APOA1 PE=1 SV=1	46886,76		0,12	-2,16	0,04
P02655	Apolipoprotein C-II OS=Homo sapiens GN=APOC2 PE=1 SV=1	31287,69		0,17	-1,75	0,04
P02649	Apolipoprotein E OS=Homo sapiens GN=APOE PE=1 SV=1	25865,32		0,22	-1,5	0,05
P02768	Serum albumin OS=Homo sapiens GN=ALB PE=1 SV=2	16971,69		0,25	-1,37	0,06
P02766	Transthyretin OS=Homo sapiens GN=TTR PE=1 SV=1	12385,7		0,32	-1,14	0,06
P10909	Clusterin OS=Homo sapiens GN=CLU PE=1 SV=1	7130,75		0,41	-0,9	0,06
P0DJ19	Serum amyloid A-2 protein OS=Homo sapiens GN=SAA2 PE=1 SV=1	8149,26		0,61	-0,49	0,08
P02656	Apolipoprotein C-III OS=Homo sapiens GN=APOC3 PE=1 SV=1	26322,37		0,64	-0,45	0,02
P0DJ18	Serum amyloid A-1 protein OS=Homo sapiens GN=SAA1 PE=1 SV=1	10976,76		0,70	-0,35	0,06
P01024	Complement C3 OS=Homo sapiens GN=C3 PE=1 SV=2	204,04		2,59	0,95	0,11

P02671	Fibrinogen alpha chain OS=Homo sapiens GN=FGA PE=1 SV=2	5598,27		3,10	1,13	0,03
P02100	Hemoglobin subunit epsilon OS=Homo sapiens GN=HBE1 PE=1 SV=2	6580,57		15,18	2,72	0,05
P69892	Hemoglobin subunit gamma-2 OS=Homo sapiens GN=HBG2 PE=1 SV=2	6580,57		15,33	2,73	0,05
P69891	Hemoglobin subunit gamma-1 OS=Homo sapiens GN=HBG1 PE=1 SV=2	6580,57		15,33	2,73	0,05
P68871	Hemoglobin subunit beta OS=Homo sapiens GN=HBB PE=1 SV=2	39537,09		15,49	2,74	0,02
P69905	Hemoglobin subunit alpha OS=Homo sapiens GN=HBA1 PE=1 SV=2	10931,45		15,80	2,76	0,04
P02042	Hemoglobin subunit delta OS=Homo sapiens GN=HBD PE=1 SV=2	13029,13		16,12	2,78	0,04
P63261	Actin, cytoplasmic 2 OS=Homo sapiens GN=ACTG1 PE=1 SV=1	1547,43	HE	HE	HE	HE
Q16661	Guanylate cyclase activator 2B OS=Homo sapiens GN=GUCA2B PE=1 SV=1	271,19	HE	HE	HE	HE
Q9BYX7	Putative beta-actin-like protein 3 OS=Homo sapiens GN=POTEKP PE=5 SV=1	927,09	HE	HE	HE	HE
P62736	Actin, aortic smooth muscle OS=Homo sapiens GN=ACTA2 PE=1 SV=1	1266,59	HE	HE	HE	HE
Q9H1Z8	Augurin OS=Homo sapiens GN=C2orf40 PE=1 SV=1	520,22	HE	HE	HE	HE
P0CG39	POTE ankyrin domain family member J OS=Homo sapiens GN=POTEJ PE=3 SV=1	367,23	HE	HE	HE	HE
P0CG38	POTE ankyrin domain family member I OS=Homo sapiens GN=POTEI PE=3 SV=1	440,78	HE	HE	HE	HE
P32119	Peroxiredoxin-2 OS=Homo sapiens GN=PRDX2 PE=1 SV=5	1049,99	HE	HE	HE	HE
Q6S8J3	POTE ankyrin domain family member E OS=Homo sapiens GN=POTEE PE=1 SV=3	1135,55	HE	HE	HE	HE
P00915	Carbonic anhydrase 1 OS=Homo sapiens GN=CA1 PE=1 SV=2	1312,63	HE	HE	HE	HE
P68133	Actin, alpha skeletal muscle OS=Homo sapiens GN=ACTA1 PE=1 SV=1	1366,42	HE	HE	HE	HE
P68032	Actin, alpha cardiac muscle 1 OS=Homo sapiens GN=ACTC1 PE=1 SV=1	1366,42	HE	HE	HE	HE
P48740	Mannan-binding lectin serine protease 1 OS=Homo sapiens GN=MASP1 PE=1 SV=3	757,39	HE	HE	HE	HE

P60709	Actin, cytoplasmic 1 OS=Homo sapiens GN=ACTB PE=1 SV=1	1554,04	HE	HE	HE	HE
Q15485	Ficolin-2 OS=Homo sapiens GN=FCN2 PE=1 SV=2	8217,97	HE	HE	HE	HE
P61769	Beta-2-microglobulin OS=Homo sapiens GN=B2M PE=1 SV=1	9586,78	HE	HE	HE	HE
Q16819	Meprin A subunit alpha OS=Homo sapiens GN=MEP1A PE=1 SV=2	407,86	HE	HE	HE	HE
A5A3E0	POTE ankyrin domain family member F OS=Homo sapiens GN=POTEF PE=1 SV=2	1112,19	HE	HE	HE	HE
Q562R1	Beta-actin-like protein 2 OS=Homo sapiens GN=ACTBL2 PE=1 SV=2	793,81	HE	HE	HE	HE
Q96NZ9	Proline-rich acidic protein 1 OS=Homo sapiens GN=PRAP1 PE=1 SV=2	417,82	HE	HE	HE	HE
P63267	Actin, gamma-enteric smooth muscle OS=Homo sapiens GN=ACTG2 PE=1 SV=1	1266,59	HE	HE	HE	HE
Case 3						
Accession	Description	Score	Unique	HE:CTA_ Ratio	HE:CTA_ Log(e)R atio	HE:CTA_Log(e)Variance
P01009	Alpha-1-antitrypsin OS=Homo sapiens GN=SERPINA1 PE=1 SV=3	3935,93	CTA	CTA	CTA	CTA
P04206	Ig kappa chain V-III region GOL OS=Homo sapiens PE=1 SV=1	2008,35	CTA	CTA	CTA	CTA
P04004	Vitronectin OS=Homo sapiens GN=VTN PE=1 SV=1	645,15	CTA	CTA	CTA	CTA
Q13790	Apolipoprotein F OS=Homo sapiens GN=APOF PE=1 SV=2	906,5	CTA	CTA	CTA	CTA
P01042	Kininogen-1 OS=Homo sapiens GN=KNG1 PE=1 SV=2	2566,82	CTA	CTA	CTA	CTA
P01623	Ig kappa chain V-III region WOL OS=Homo sapiens PE=1 SV=1	2304	CTA	CTA	CTA	CTA
P01622	Ig kappa chain V-III region Ti OS=Homo sapiens PE=1 SV=1	2008,35	CTA	CTA	CTA	CTA
P01620	Ig kappa chain V-III region SIE OS=Homo sapiens PE=1 SV=1	2304	CTA	CTA	CTA	CTA
P01034	Cystatin-C OS=Homo sapiens GN=CST3 PE=1 SV=1	1525,72	CTA	CTA	CTA	CTA

P02760	Protein AMBP OS=Homo sapiens GN=AMBP PE=1 SV=1	5134,18	CTA	CTA	CTA	CTA
P02647	Apolipoprotein A-I OS=Homo sapiens GN=APOA1 PE=1 SV=1	63912,05		0,11	-2,19	0,03
P01857	Ig gamma-1 chain C region OS=Homo sapiens GN=IGHG1 PE=1 SV=1	11473,75		0,13	-2,02	0,08
P01834	Ig kappa chain C region OS=Homo sapiens GN=IGKC PE=1 SV=1	41887,75		0,15	-1,87	0,07
A0M8Q6	Ig lambda-7 chain C region OS=Homo sapiens GN=IGLC7 PE=1 SV=2	16305,53		0,19	-1,68	0,14
B9A064	Immunoglobulin lambda-like polypeptide 5 OS=Homo sapiens GN=IGLL5 PE=2 SV=2	35557,46		0,20	-1,63	0,07
P0CG06	Ig lambda-3 chain C regions OS=Homo sapiens GN=IGLC3 PE=1 SV=1	34303,55		0,20	-1,63	0,06
P0CG05	Ig lambda-2 chain C regions OS=Homo sapiens GN=IGLC2 PE=1 SV=1	34303,55		0,20	-1,63	0,07
P0CG04	Ig lambda-1 chain C regions OS=Homo sapiens GN=IGLC1 PE=1 SV=1	35317,46		0,20	-1,63	0,05
P0CF74	Ig lambda-6 chain C region OS=Homo sapiens GN=IGLC6 PE=4 SV=1	21277,07		0,20	-1,62	0,08
P02655	Apolipoprotein C-II OS=Homo sapiens GN=APOC2 PE=1 SV=1	54640,04		0,23	-1,49	0,03
P02768	Serum albumin OS=Homo sapiens GN=ALB PE=1 SV=2	33149,57		0,24	-1,41	0,04
P02753	Retinol-binding protein 4 OS=Homo sapiens GN=RBP4 PE=1 SV=3	6338,78		0,33	-1,12	0,11
P01861	Ig gamma-4 chain C region OS=Homo sapiens GN=IGHG4 PE=1 SV=1	5375,98		0,39	-0,93	0,1
P01860	Ig gamma-3 chain C region OS=Homo sapiens GN=IGHG3 PE=1 SV=2	3654,59		0,40	-0,91	0,08
P01859	Ig gamma-2 chain C region OS=Homo sapiens GN=IGHG2 PE=1 SV=2	5151,65		0,41	-0,89	0,08
P02649	Apolipoprotein E OS=Homo sapiens GN=APOE PE=1 SV=1	22223,38		0,41	-0,88	0,05
P0DJ19	Serum amyloid A-2 protein OS=Homo sapiens GN=SAA2 PE=1 SV=1	7627,79		0,41	-0,88	0,13
P0DJ18	Serum amyloid A-1 protein OS=Homo sapiens GN=SAA1 PE=1 SV=1	14922,66		0,57	-0,56	0,06
P02656	Apolipoprotein C-III OS=Homo sapiens GN=APOC3 PE=1 SV=1	20768,14		0,59	-0,53	0,02

P10909	Clusterin OS=Homo sapiens GN=CLU PE=1 SV=1	6694,86		0,68	-0,39	0,04
P02652	Apolipoprotein A-II OS=Homo sapiens GN=APOA2 PE=1 SV=1	7854,07		0,70	-0,36	0,08
P02671	Fibrinogen alpha chain OS=Homo sapiens GN=FGA PE=1 SV=2	6093,66		3,90	1,36	0,04
P02042	Hemoglobin subunit delta OS=Homo sapiens GN=HBD PE=1 SV=2	9858,24		35,16	3,56	0,06
P69905	Hemoglobin subunit alpha OS=Homo sapiens GN=HBA1 PE=1 SV=2	6167,84		38,09	3,64	0,07
P68871	Hemoglobin subunit beta OS=Homo sapiens GN=HBB PE=1 SV=2	14496,8		48,91	3,89	0,07
P02100	Hemoglobin subunit epsilon OS=Homo sapiens GN=HBE1 PE=1 SV=2	4861,9		64,07	4,16	0,1
P69891	Hemoglobin subunit gamma-1 OS=Homo sapiens GN=HBG1 PE=1 SV=2	4861,9		64,07	4,16	0,08
P69892	Hemoglobin subunit gamma-2 OS=Homo sapiens GN=HBG2 PE=1 SV=2	4861,9		64,72	4,17	0,1
P63261	Actin, cytoplasmic 2 OS=Homo sapiens GN=ACTG1 PE=1 SV=1	4181,45	HE	HE	HE	HE
Q9BYX7	Putative beta-actin-like protein 3 OS=Homo sapiens GN=POTEKP PE=5 SV=1	1236,17	HE	HE	HE	HE
Q07507	Dermatopontin OS=Homo sapiens GN=DPT PE=2 SV=2	956,65	HE	HE	HE	HE
P62736	Actin, aortic smooth muscle OS=Homo sapiens GN=ACTA2 PE=1 SV=1	3309,59	HE	HE	HE	HE
P0CG39	POTE ankyrin domain family member J OS=Homo sapiens GN=POTEJ PE=3 SV=1	1633,23	HE	HE	HE	HE
P0CG38	POTE ankyrin domain family member I OS=Homo sapiens GN=POTEI PE=3 SV=1	1675,94	HE	HE	HE	HE
P32119	Peroxiredoxin-2 OS=Homo sapiens GN=PRDX2 PE=1 SV=5	2097,75	HE	HE	HE	HE
Q6S8J3	POTE ankyrin domain family member E OS=Homo sapiens GN=POTEE PE=1 SV=3	2761,05	HE	HE	HE	HE
P00915	Carbonic anhydrase 1 OS=Homo sapiens GN=CA1 PE=1 SV=2	1646,18	HE	HE	HE	HE
P68133	Actin, alpha skeletal muscle OS=Homo sapiens GN=ACTA1 PE=1 SV=1	3323,39	HE	HE	HE	HE
P68032	Actin, alpha cardiac muscle 1 OS=Homo sapiens GN=ACTC1 PE=1 SV=1	3323,39	HE	HE	HE	HE

P48740	Mannan-binding lectin serine protease 1 OS=Homo sapiens GN=MASP1 PE=1 SV=3	4272,76	HE	HE	HE	HE
P60709	Actin, cytoplasmic 1 OS=Homo sapiens GN=ACTB PE=1 SV=1	4181,45	HE	HE	HE	HE
P08493	Matrix Gla protein OS=Homo sapiens GN=MGP PE=1 SV=2	7402,88	HE	HE	HE	HE
P01871	Ig mu chain C region OS=Homo sapiens GN=IGHM PE=1 SV=3	413,69	HE	HE	HE	HE
Q15485	Ficolin-2 OS=Homo sapiens GN=FCN2 PE=1 SV=2	18406,43	HE	HE	HE	HE
P01024	Complement C3 OS=Homo sapiens GN=C3 PE=1 SV=2	997,36	HE	HE	HE	HE
P04220	Ig mu heavy chain disease protein OS=Homo sapiens PE=1 SV=1	330,05	HE	HE	HE	HE
A5A3E0	POTE ankyrin domain family member F OS=Homo sapiens GN=POTEF PE=1 SV=2	2761,05	HE	HE	HE	HE
Q562R1	Beta-actin-like protein 2 OS=Homo sapiens GN=ACTBL2 PE=1 SV=2	1445,83	HE	HE	HE	HE
P09382	Galectin-1 OS=Homo sapiens GN=LGALS1 PE=1 SV=2	1333,56	HE	HE	HE	HE
P63267	Actin, gamma-enteric smooth muscle OS=Homo sapiens GN=ACTG2 PE=1 SV=1	3309,59	HE	HE	HE	HE

Table S2. Proteins selected for targeted MRM analysis with their tryptic peptides and transitions.

Protein Description	Protein ID	Precursors (m/z)	RT (min)	Transition 1 (m/z)	Transition 2 (m/z)
Antithrombin-III	ANT3	837.9	77	717.4	1108.54
		875.8	68	755.3	973.4
β 2 microglobulin	B2MG	749.9	36	615.3	884.4
		561.8	40	673.4	772.4
Fibrinogen α chain	FIBA	570.9	60	561.8	610.3
		690.9	35	590.8	681.9
Fibrinogen β chain	FIBB	834.9	127	671.8	825.9
		893.4	123	608.3	1178.5
Fibrinogen γ chain	FIBG	736.4	71	447.2	909.4
		757.4	75	647.3	867.4
Inhibin β C chain	INHBC	904.9	52	444.3	895.9
Inhibin β E chain	INHBE	613.5	95	384.2	846.5
		944.9	85	795.4	1306.6
Insulin-like GF binding protein 2	IBP2	808.4	101	644.4	709.3
		711.4	70	630.3	889.4

Integrin α -2b	ITA2B	611.9	72	395.2	1009.5
		764.8	58	662.8	1258.5
Kininogen	KNG1	626.5	94	617.3	1051.5
		502.5	82	493.3	606.3
Plasminogen	PLMN	667.4	65	707.3	964.4
		897.4	64	716.3	966.5
Retinol-binding protein 4	RET4	1033.1	145	409.2	1496.7
		559.3	45	675.8	725.3
Serum amyloid A1 protein	SAA1	775.9	171	822.4	935.5
		835.9	69	826.9	1080.5
Serum amyloid A2 protein	SAA2	537.9	95	526.8	626.8
		728.4	111	447.2	859.5
Transthyretin	TTHY	683.9	95	611.7	728.4
		697.9	99	606.3	735.4
Wnt1 signalling protein 2 inducible pathway	WISP2	917.0	115	916.9	1306.6
		1031.1	92	1132.5	1212.6