

Electric Supplementary Information

In vitro and In vivo Blood Compatibility of Concentrated Polymer Brushes

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Material and Methods

HUVEC adhesion test.

Human umbilical vein endothelial cells (HUVEC) (LONZA, Switzerland) were cultured in endothelial basal medium 2 (LONZA) supplemented with EGM-2 SingleQuots (LONZA) (2% FBS) at 37 °C in a humidified atmosphere of air containing 5% CO₂. At subconfluence, the cells were removed from the tissue culture plate polystyrene (TCPS) by trypsin treatment. The concentration of the HUVECs was adjusted to 1×10⁴ cells/cm² and the cells were seeded on samples and cultured for 24 h at 37 °C in a humidified atmosphere of air containing 5 % CO₂. After the medium was aspirated, the substrate was softly rinsed three times with fresh PBS and placed in 2 % glutaraldehyde in phosphate buffer (PB) for overnight at 4 °C to fix the adherent cells on the samples. The cells fixed on the samples were stained with stained with F-actin visualization Biochem Kit (Cytoskelton, USA) and mounted with Prolong Gold antifade reagent with DAPI (Invitorogen, USA), coloring nuclei in blue and actin filaments in red, respectively. Three substrates of each brush were subjected to the experiment and the adherent cells were observed in different seven spots on each substrate to be averaged.

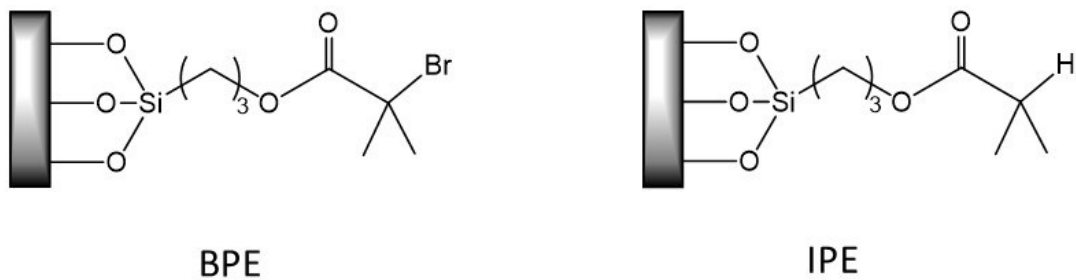


Figure S1. Structures of BPE and IPE fixed on silicon wafers.

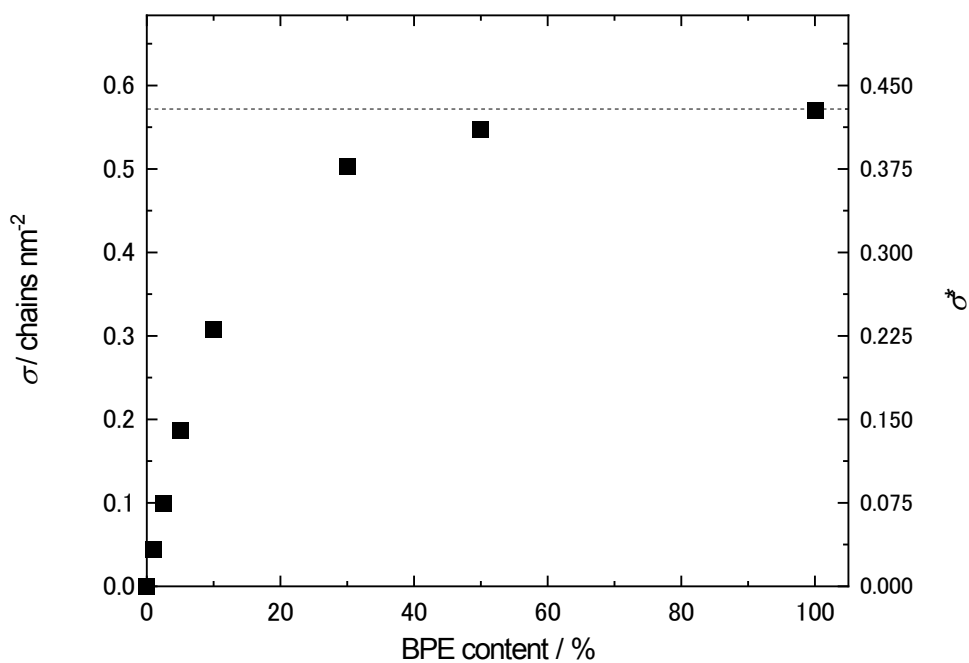
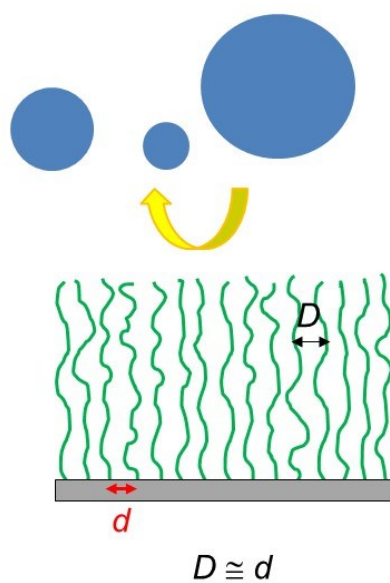
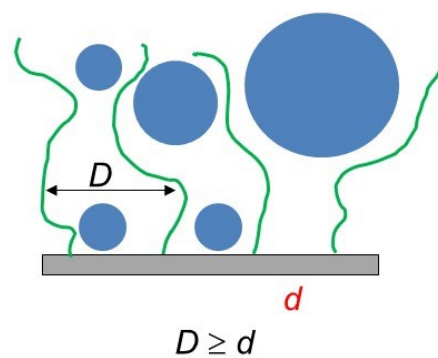


Figure S2. Graft density (σ) and dimensionless graft density (σ^*) vs BPE content (IPE content was vary from 0 to 99 wt%). PHEMA brushes ($M_{n,c} = 15500$) were grafted on silicon wafers.

(a) CPB



(b) SDPB



D : Distance between the nearest neighbor graft chains
 $d (= \sigma^{-1/2})$: Distance between the neighboring graft points

Scheme S1. Size-exclusion effects of (a) CPB and (b) SDPB in a good solvent.

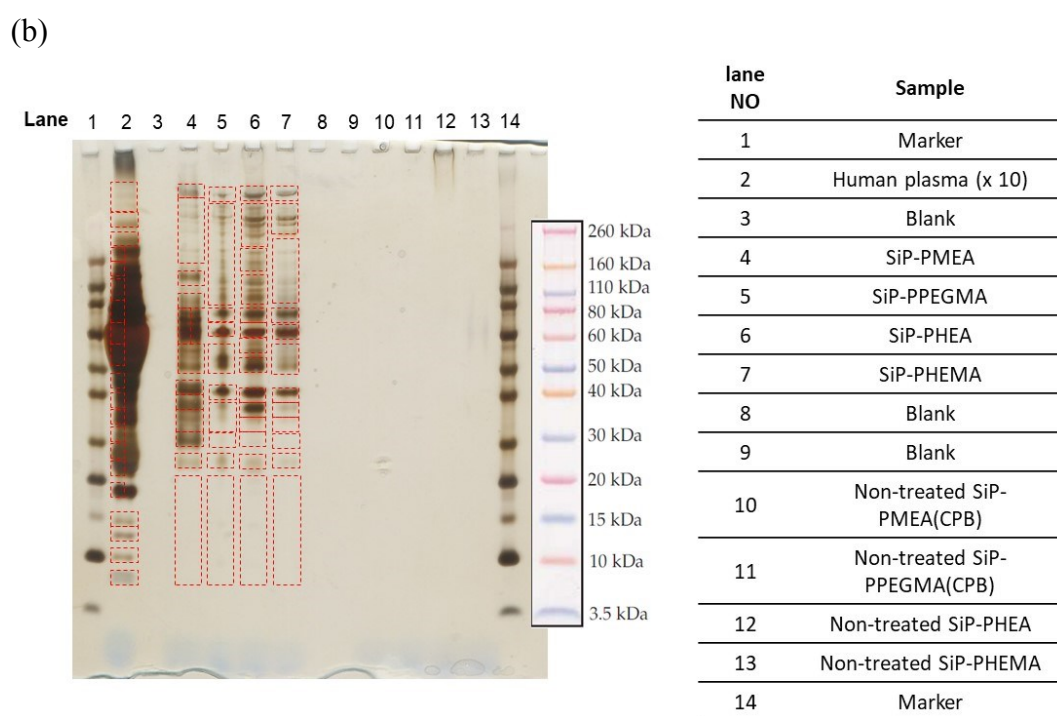
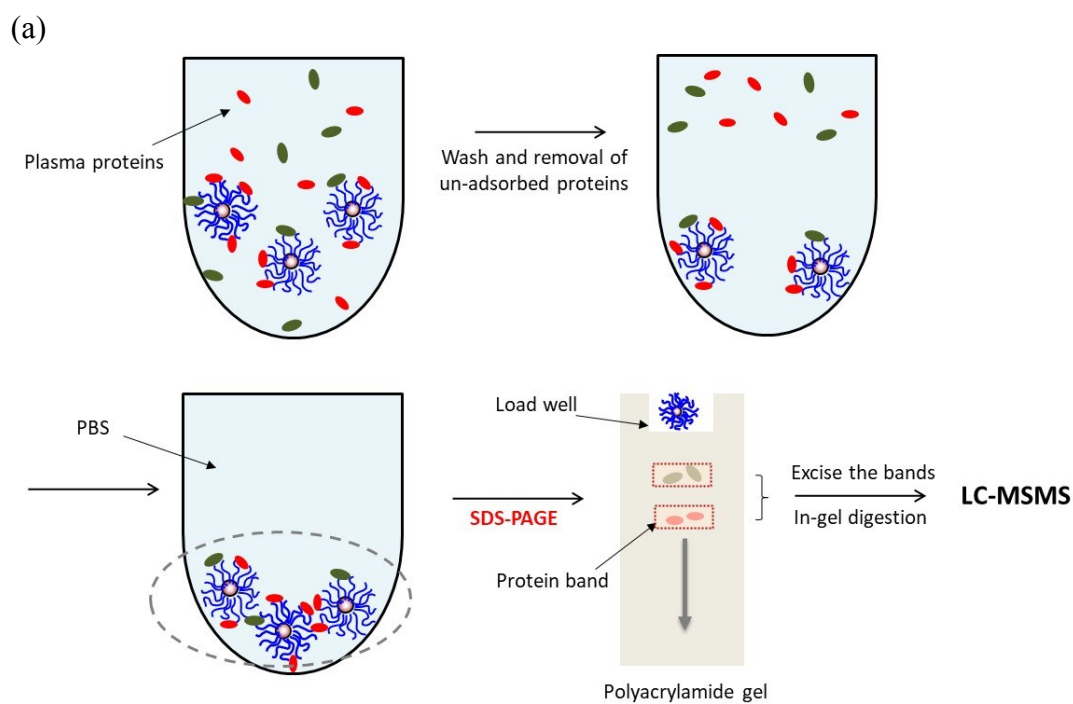


Figure S3. (a) Schematic illustration of protein adsorption for LC-MSMS analysis. (b) Protein bands visualized on a gel sheet. SiP-CPBs after plasma adsorptions for 1h (lane 4-7) and non-treated SiP-CPBs (lane 10-13) were loaded on the gel.

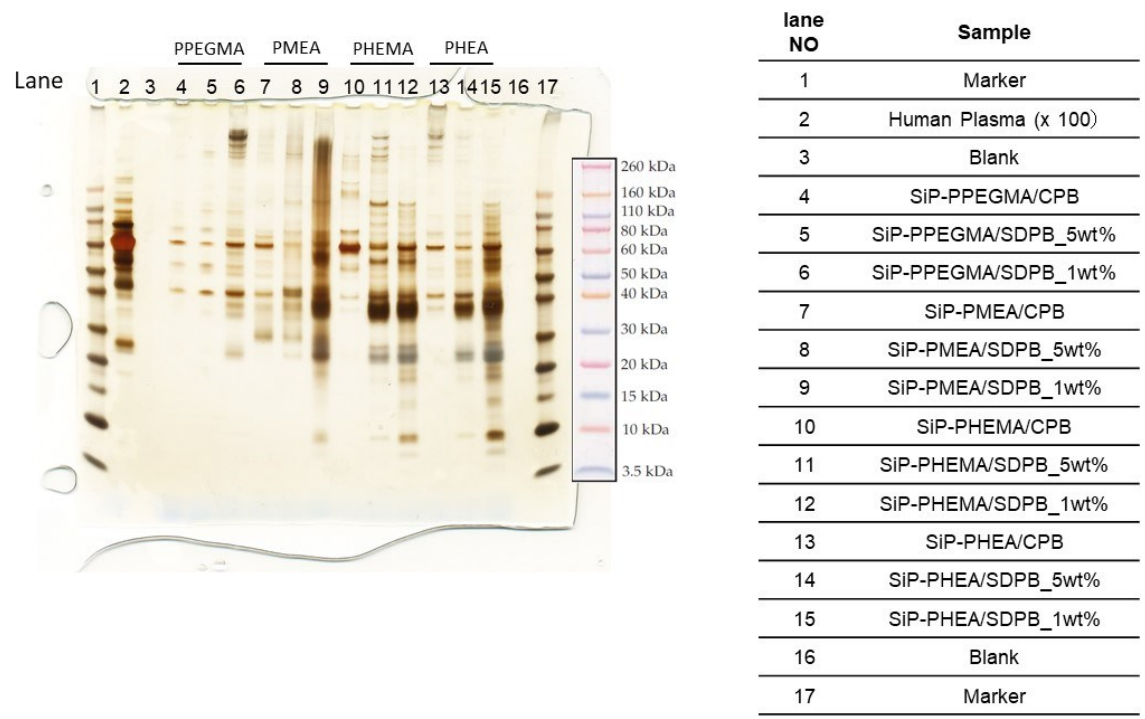


Figure S4. Protein bands visualized on a gel sheet. SiPs with polymer brushes were dipped in human plasma for 1h at 37 °C.

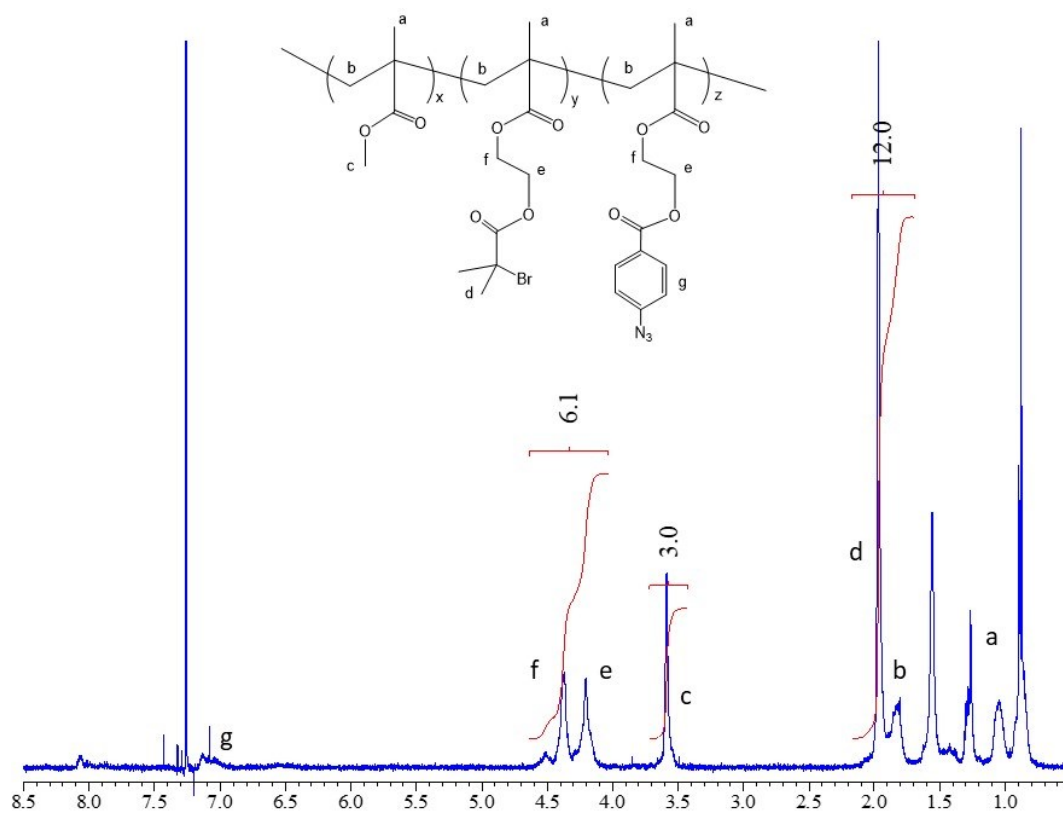


Figure S5. ¹H NMR spectrum of initiator-carrying random copolymer (AIP). The solvent was CDCl₃.

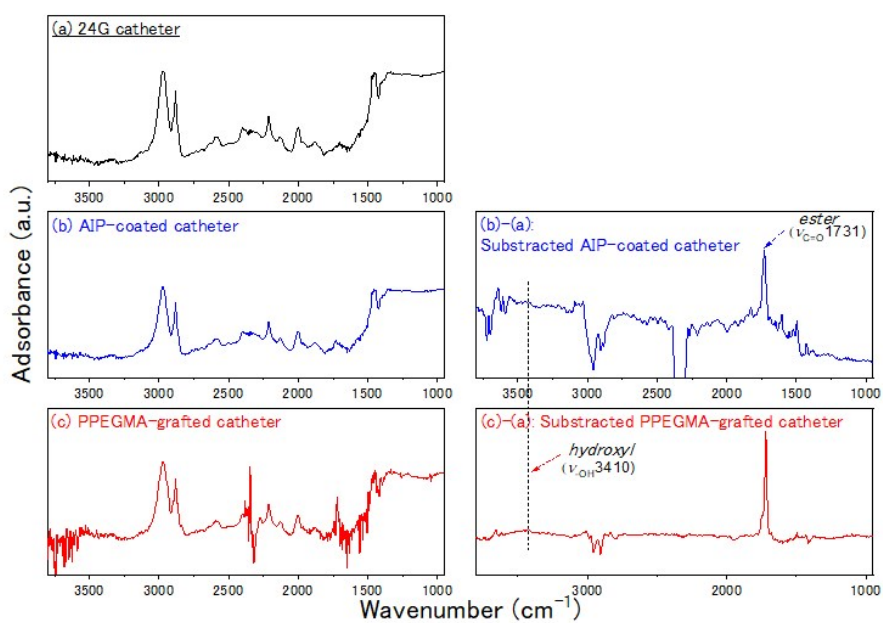


Figure S6. ATR-IR charts of (a) pristine catheter, (b) AIP-coated catheter and (c) PPEGMA grafter catheter.

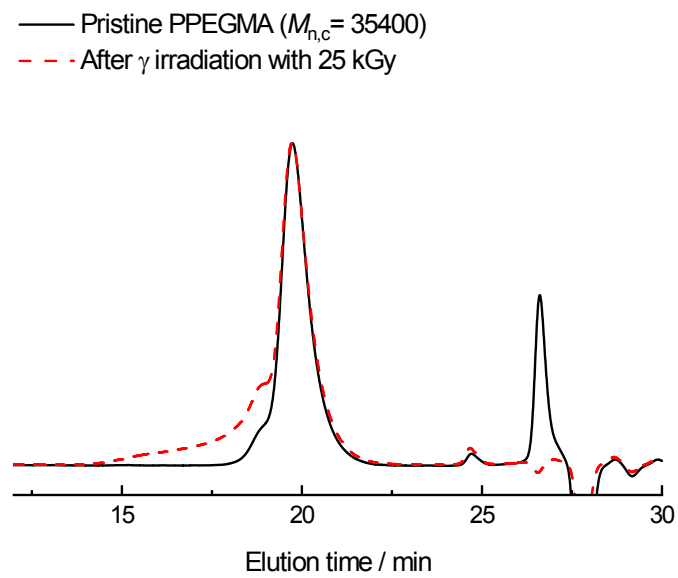


Figure S7. GPC chart of free PPEGMA ($M_{n,c} = 35400$) before/after γ -irradiation (25 kGy).

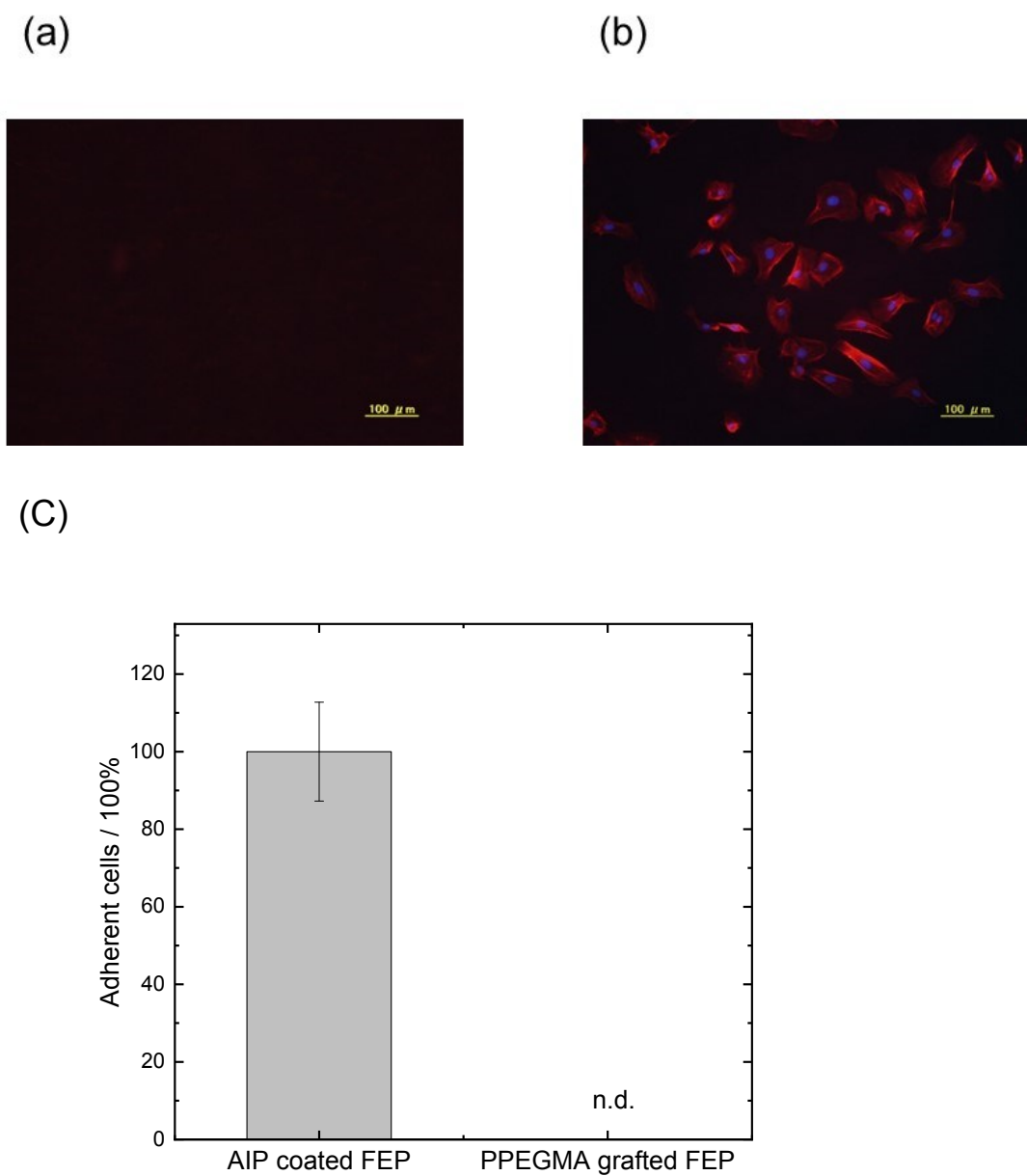
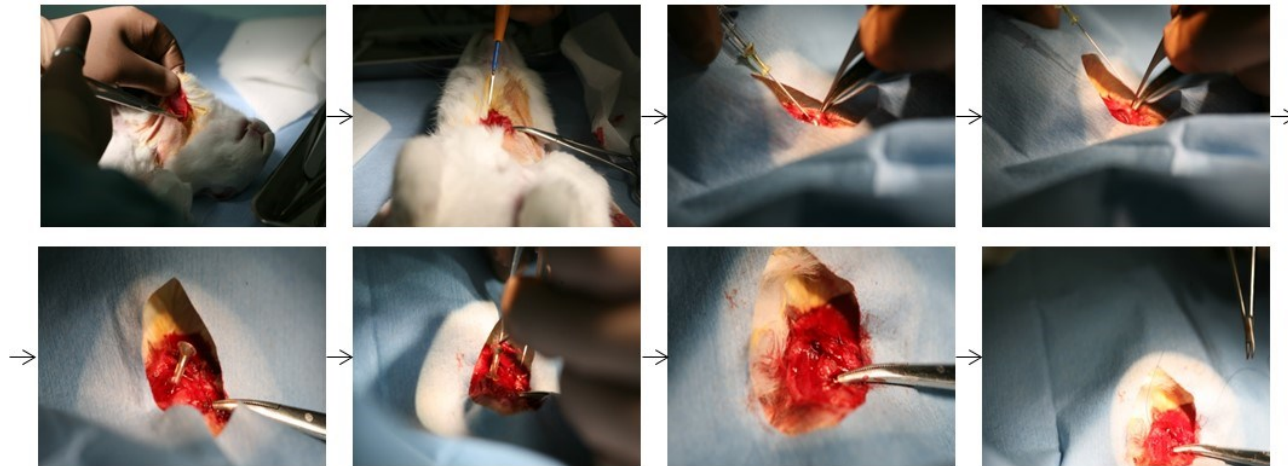


Figure S8. Fluorescent images of adherent HUVECs on (a) PPEGMA grafted FEP film and (b) AIP coated film. The scale bar = 100 μm . (c) Adherent cells on AIP coated FEP and PPEGMA grafted FEP. $[\text{HUVEC}]_0 = 10000 \text{ cells}/\text{cm}^2$. Incubation time = 24h. Y-axis is normalized with the initial seeded cell number.

Conditions for animal surgery

Sample: PPEGMA grafted and bare catheters (24 gauge, TERMO)
Animal: Japanese white rabbit (Male, 2.5-3.0kg, 14-22weeks old)
Anesthesia: 97.2mg of Pentbarbital sodium (SCHERING-PLOUGH)
Suture: 5-0 non absorbable string (Ethilon, JOHNSON AND JOHNSON)
Antibiotics: 0.3% ofloxacin (Tarivid ophthalmic ointment, SANTEN Pharmaceutical)
0.06% tetramethylthiuram disulfide (Nobectane L spray)

Surgical procedure



1. Intravenous injection of pentbarbital sodium for anesthesia.
2. Double coat was sheared and skin was sterilized using povidone iodine.
3. Jugular vein was exposed using surgical and electro-surgical knife.
4. Catheter was implanted into jugular vein.
5. Bottom of catheter was sealed by cotton.
6. Incision site was sutured by non-absorbable string.
7. During suturing, 0.3 % Ofloxacin was administered to dermal site.
8. After suturing, operated area was sterilized by tetramethylthiuram disulfide.

Figure S9. Surgical procedure in this work.

Table S1. Identified proteins on PHEMA CPB.

	UniProt AC	Protein Names	MS score	MW [KDa]
1	P01871	Ig mu chain C region	686.75	49.3
2	P02768	Serum albumin	436.35	69.3
3	P04220	Ig mu heavy chain disease protein	434.76	43.0
4	P63261	Actin, cytoplasmic 2	216.42	41.8
5	P60709	Actin, cytoplasmic 1	216.42	41.7
6	P08514	Integrin alpha-IIb	194.37	113.3
7	Q15485	Ficolin-2	175.79	34.0
8	P01859	Ig gamma-2 chain C region	175.74	35.9
9	P21333	Filamin-A	167.27	280.6
10	P02679	Fibrinogen gamma chain	163.93	51.5
11	P01857	Ig gamma-1 chain C region	152.98	36.1
12	P68133	Actin, alpha skeletal muscle	148.12	42.0
13	P68032	Actin, alpha cardiac muscle 1	148.12	42.0
14	P63267	Actin, gamma-enteric smooth muscle	148.12	41.8
15	P62736	Actin, aortic smooth muscle	148.12	42.0
16	P68871	Hemoglobin subunit beta	146.09	16.0
17	P07996	Thrombospondin-1	143.32	129.3
18	P12814	Alpha-actinin-1	143.06	103.0
19	Q562R1	Beta-actin-like protein 2	139.76	42.0
20	P01860	Ig gamma-3 chain C region	137.65	41.3
21	P35579	Myosin-9	127.26	226.4
22	P04220	Ig mu heavy chain disease protein	110.46	43.0
23	P02730	Band 3 anion transport protein	107.40	101.7
24	P01861	Ig gamma-4 chain C region	95.04	35.9
25	P02649	Apolipoprotein E	92.70	36.1
26	P01602	Ig heavy chain V-I region 5 (Fragment)	81.89	12.8
27	P01598	Ig kappa chain V-I region EU	81.89	11.8
28	P02042	Hemoglobin subunit delta	81.47	16.0
29	P02656	Apolipoprotein C-III	81.27	10.8
30	Q9Y490	Talin-1	75.80	269.6
31	P02647	Apolipoprotein A-I	75.20	30.8

32	P02675	Fibrinogen beta chain	74.99	55.9
33	P02652	Apolipoprotein A-II	69.89	11.2
34	P02655	Apolipoprotein C-II	63.10	11.3
35	P01777	Ig heavy chain V-III region TEI	56.66	12.8
36	P01766	Ig heavy chain V-III region BRO	56.66	13.2
37	Q9H4B7	Tubulin beta-1 chain	52.33	50.3
38	P69892	Hemoglobin subunit gamma-2	52.21	16.1
39	P69891	Hemoglobin subunit gamma-1	52.21	16.1
40	P02100	Hemoglobin subunit epsilon	52.21	16.2
41	P07359	Platelet glycoprotein Ib alpha chain	46.36	71.5
42	P02730	Band 3 anion transport protein	45.05	101.7
43	P06396	Gelsolin	41.68	85.6
44	P06310	Ig kappa chain V-II region RPMI 6410	41.34	14.7
45	P06309	Ig kappa chain V-II region GM607 (Fragment)	41.34	12.7
46	P01617	Ig kappa chain V-II region TEW	41.34	12.3
47	P01616	Ig kappa chain V-II region MIL	41.34	12.0
48	P01614	Ig kappa chain V-II region Cum	41.34	12.7
49	Q08043	Alpha-actinin-3	40.67	103.2
50	O43707	Alpha-actinin-4	40.67	104.8
51	P01860	Ig gamma-3 chain C region	37.90	41.3
52	Q5SNT2	Transmembrane protein 201	37.59	72.2
53	P16157	Ankyrin-1	37.19	206.1
54	P35580	Myosin-10	36.90	228.9
55	P35749	Myosin-11	36.67	227.2
56	Q5VZ46	Uncharacterized protein KIAA1614	36.53	126.5
57	Q6S8J3	POTE ankyrin domain family member E	34.87	121.3
58	P0CG39	POTE ankyrin domain family member J	34.87	117.3
59	P0CG38	POTE ankyrin domain family member I	34.87	121.2
60	A5A3E0	POTE ankyrin domain family member F	34.87	121.4

61	P02774	Vitamin D-binding protein	33.44	52.9
62	Q9BUF5	Tubulin beta-6 chain	31.77	49.8
63	Q13509	Tubulin beta-3 chain	31.77	50.4
64	P60709	Actin, cytoplasmic 1	31.09	41.7
65	Q8TDB8	Solute carrier family 2, facilitated glucose transporter member 14	30.50	56.3
66	P11169	Solute carrier family 2, facilitated glucose transporter member 3	30.50	53.9
67	P11166	Solute carrier family 2, facilitated glucose transporter member 1	30.50	54.0
68	Q7Z406	Myosin-14	30.42	227.7
69	P01876	Ig alpha-1 chain C region	29.88	37.6
70	P04433	Ig kappa chain V-III region VG (Fragment)	29.32	12.6
71	B9A064	Immunoglobulin lambda-like polypeptide 5	28.49	23.0
72	P68371	Tubulin beta-4B chain	27.74	49.8
73	P07437	Tubulin beta chain	27.74	49.6
74	P04350	Tubulin beta-4A chain	27.74	49.6
75	P04114	Apolipoprotein B-100	27.09	515.3

Table S2. Identified proteins on PHEMA SDPB_5%.

	UniProt AC	Protein Names	MS score	MW [KDa]
1	P02647	Apolipoprotein A-I	21434.86	30.8
2	P02649	Apolipoprotein E	13397.49	36.1
3	P10909	Clusterin	5794.46	52.5
4	P06727	Apolipoprotein A-IV	2889.37	45.4
5	P00736	Complement C1r subcomponent	2077.65	80.1
6	P04114	Apolipoprotein B-100	1668.00	515.3
7	P04004	Vitronectin	1586.09	54.3
8	P55056	Apolipoprotein C-IV	1515.63	14.5
9	Q96PD5	N-acetylmuramoyl-L-alanine amidase	1302.44	62.2
10	Q9Y490	Talin-1	1283.98	269.6
11	P01024	Complement C3	1267.57	187.0
12	P27169	Serum paraoxonase/arylesterase 1	1265.82	39.7
13	Q14624	Inter-alpha-trypsin inhibitor heavy chain H4	1160.08	103.3
14	P12259	Coagulation factor V	1150.14	251.5
15	P04278	Sex hormone-binding globulin	1121.44	43.8
16	P21333	Filamin-A	907.54	280.6
17	P05155	Plasma protease C1 inhibitor	762.38	55.1
18	P06733	Alpha-enolase	750.64	47.1
19	P02768	Serum albumin	626.55	69.3
20	P35579	Myosin-9	506.09	226.4
21	Q9HDC9	Adipocyte plasma membrane- associated protein	446.78	46.5
22	P01042	Kininogen-1	432.60	71.9
23	P08514	Integrin alpha-IIb	425.78	113.3
24	P68366	Tubulin alpha-4A chain	416.46	49.9
25	P01871	Ig mu chain C region	400.99	49.3
26	Q59EK9	RUN domain-containing protein 3A	381.13	49.7
27	P35858	Insulin-like growth factor-binding protein complex acid labile subunit	367.10	66.0
28	Q9BQE3	Tubulin alpha-1C chain	347.92	49.9

29	O00187	Mannan-binding lectin serine protease 2	347.31	75.7
30	P0C0L5	Complement C4-B	344.29	192.6
31	P04220	Ig mu heavy chain disease protein	342.77	43.0
32	P13929	Beta-enolase	340.45	47.0
33	P68363	Tubulin alpha-1B chain	338.54	50.1
34	P04196	Histidine-rich glycoprotein	332.43	59.5
35	Q13822	Ectonucleotide pyrophosphatase/phosphodiesterase family member 2	324.84	98.9
36	P63261	Actin, cytoplasmic 2	287.30	41.8
37	P60709	Actin, cytoplasmic 1	287.30	41.7
38	Q6Q788	Apolipoprotein A-V	286.65	41.2
39	P0C0L4	Complement C4-A	286.09	192.7
40	P09104	Gamma-enolase	281.10	47.2
41	P02652	Apolipoprotein A-II	277.11	11.2
42	O14791	Apolipoprotein L1	276.57	43.9
43	Q92954	Proteoglycan 4	265.37	151.0
44	Q71U36	Tubulin alpha-1A chain	258.74	50.1
45	P04406	Glyceraldehyde-3-phosphate dehydrogenase	251.18	36.0
46	P0DJ18	Serum amyloid A-1 protein	241.34	13.5
47	P02786	Transferrin receptor protein 1	239.90	84.8
48	P15169	Carboxypeptidase N catalytic chain	239.75	52.3
49	P01834	Ig kappa chain C region	239.28	11.6
50	A5A3E0	POTE ankyrin domain family member F	223.71	121.4
51	Q6S8J3	POTE ankyrin domain family member E	223.71	121.3
52	P35542	Serum amyloid A-4 protein	223.00	14.7
53	Q9NY65	Tubulin alpha-8 chain	217.67	50.1
54	P0DJ19	Serum amyloid A-2 protein	216.65	13.5
55	P07996	Thrombospondin-1	216.14	129.3
56	Q9H4B7	Tubulin beta-1 chain	202.47	50.3
57	Q9BYX7	Putative beta-actin-like protein 3	201.97	42.0

58	P14618	Pyruvate kinase PKM	200.49	57.9
59	P68133	Actin, alpha skeletal muscle	194.21	42.0
60	P68032	Actin, alpha cardiac muscle 1	194.21	42.0
61	P02790	Hemopexin	193.68	51.6
62	P02760	Protein AMBP	191.80	39.0
63	O95445	Apolipoprotein M	178.98	21.2
64	P60985	Keratinocyte differentiation-associated protein	172.16	11.0
65	P01009	Alpha-1-antitrypsin	169.68	46.7
66	P22352	Glutathione peroxidase 3	167.43	25.5
67	P12814	Alpha-actinin-1	165.77	103.0
68	A6NIZ1	Ras-related protein Rap-1b-like protein	163.69	20.9
69	P61224	Ras-related protein Rap-1b	163.69	20.8
70	Q86UX7	Fermitin family homolog 3	152.85	75.9
71	Q13748	Tubulin alpha-3C/D chain	152.70	49.9
72	P48061	Stromal cell-derived factor 1	152.09	10.7
73	P07437	Tubulin beta chain	146.41	49.6
74	P63267	Actin, gamma-enteric smooth muscle	144.31	41.8
75	P62736	Actin, aortic smooth muscle	144.31	42.0
76	P68371	Tubulin beta-4B chain	143.91	49.8
77	O43707	Alpha-actinin-4	142.53	104.8
78	P02679	Fibrinogen gamma chain	140.55	51.5
79	Q6PEY2	Tubulin alpha-3E chain	137.59	49.8
80	P62834	Ras-related protein Rap-1A	136.75	21.0
81	P02671	Fibrinogen alpha chain	130.27	94.9
82	P05109	Protein S100-A8	126.58	10.8
83	P01857	Ig gamma-1 chain C region	124.90	36.1
84	P02774	Vitamin D-binding protein	122.87	52.9
85	Q562R1	Beta-actin-like protein 2	122.39	42.0
86	P0CG38	POTE ankyrin domain family member I	116.67	121.2
87	Q99439	Calponin-2	113.16	33.7
88	P01777	Ig heavy chain V-III region TEI	112.66	12.8

89	P01766	Ig heavy chain V-III region BRO	112.66	13.2
90	P05106	Integrin beta-3	111.87	87.0
91	P69905	Hemoglobin subunit alpha	106.69	15.2
92	P0CG39	POTE ankyrin domain family member J	105.75	117.3
93	Q9H853	Putative tubulin-like protein alpha-4B	104.14	27.5
94	P01876	Ig alpha-1 chain C region	103.35	37.6
95	P35580	Myosin-10	102.25	228.9
96	Q9BVA1	Tubulin beta-2B chain	101.90	49.9
97	Q13885	Tubulin beta-2A chain	101.90	49.9
98	P02656	Apolipoprotein C-III	101.72	10.8
99	P04792	Heat shock protein beta-1	96.91	22.8
100	Q13790	Apolipoprotein F	96.09	35.4
101	Q8WUA8	Tsukushin	87.83	37.8
102	Q7Z406	Myosin-14	86.60	227.7
103	P01019	Angiotensinogen	85.09	53.1
104	Q96QR1	Secretoglobin family 3A member 1	84.77	10.1
105	Q13509	Tubulin beta-3 chain	84.13	50.4
106	P02776	Platelet factor 4	83.96	10.8
107	P02766	Transthyretin	83.05	15.9
108	P04350	Tubulin beta-4A chain	82.63	49.6
109	P01860	Ig gamma-3 chain C region	80.23	41.3
110	Q9NZP8	Complement C1r subcomponent-like protein	77.74	53.5
111	P02730	Band 3 anion transport protein	75.86	101.7
112	P61978	Heterogeneous nuclear ribonucleoprotein K	75.36	50.9
113	P00450	Ceruloplasmin	74.34	122.1
114	P10720	Platelet factor 4 variant	74.10	11.5
115	P00558	Phosphoglycerate kinase 1	72.31	44.6
116	P00738	Haptoglobin	68.05	45.2
117	O00299	Chloride intracellular channel protein 1	64.30	26.9
118	P61026	Ras-related protein Rab-10	62.98	22.5

119	O75340	Programmed cell death protein 6	61.44	21.9
120	P35749	Myosin-11	60.96	227.2
121	P68871	Hemoglobin subunit beta	59.12	16.0
122	Q96EE4	Coiled-coil domain-containing protein 126	59.09	15.7
123	P08697	Alpha-2-antiplasmin	57.91	54.5
124	B9A064	Immunoglobulin lambda-like polypeptide 5	57.72	23.0
125	P0CG06	Ig lambda-3 chain C regions	57.72	11.2
126	P0CG05	Ig lambda-2 chain C regions	57.72	11.3
127	P0CG04	Ig lambda-1 chain C regions	57.72	11.3
128	P01877	Ig alpha-2 chain C region	55.82	36.5
129	Q15166	Serum paraoxonase/lactonase 3	53.57	39.6
130	P49908	Selenoprotein P	53.20	43.2
131	P07359	Platelet glycoprotein Ib alpha chain	52.64	71.5
132	P01861	Ig gamma-4 chain C region	52.25	35.9
133	P01859	Ig gamma-2 chain C region	52.25	35.9
134	P69892	Hemoglobin subunit gamma-2	51.65	16.1
135	P69891	Hemoglobin subunit gamma-1	51.65	16.1
136	P02100	Hemoglobin subunit epsilon	51.65	16.2
137	P02042	Hemoglobin subunit delta	51.65	16.0
138	P28676	Grancalcin	51.64	24.0
139	P49913	Cathelicidin antimicrobial peptide	50.61	19.3
140	P41159	Leptin	50.20	18.6
141	P14770	Platelet glycoprotein IX	48.65	19.0
142	P30613	Pyruvate kinase PKLR	48.26	61.8
143	P19823	Inter-alpha-trypsin inhibitor heavy chain H2	48.26	106.4
144	P02654	Apolipoprotein C-I	46.38	9.3
145	Q4G0X9	Coiled-coil domain-containing protein 40	44.88	130.0
146	Q9Y4G6	Talin-2	44.03	271.4
147	A0M8Q6	Ig lambda-7 chain C region	43.84	11.3
148	P0CF74	Ig lambda-6 chain C region	43.84	11.3
149	P09871	Complement C1s subcomponent	42.28	76.6

150	Q96M91	Coiled-coil domain-containing protein 11	40.23	61.8
151	O95452	Gap junction beta-6 protein	40.15	30.4
152	Q9HB71	Calcyclin-binding protein	40.15	26.2
153	O60503	Adenylate cyclase type 9	40.15	150.6
154	P09960	Leukotriene A-4 hydrolase	38.62	69.2
155	P16104	Histone H2AX	38.36	15.1
156	P0C0S5	Histone H2A.Z	38.36	13.5
157	Q71UI9	Histone H2A.V	38.36	13.5
158	Q9BTM1	Histone H2A.J	38.36	14.0
159	Q7L7L0	Histone H2A type 3	38.36	14.1
160	Q16777	Histone H2A type 2-C	38.36	14.0
161	Q8IUE6	Histone H2A type 2-B	38.36	14.0
162	Q6FI13	Histone H2A type 2-A	38.36	14.1
163	Q99878	Histone H2A type 1-J	38.36	13.9
164	Q96KK5	Histone H2A type 1-H	38.36	13.9
165	P20671	Histone H2A type 1-D	38.36	14.1
166	Q93077	Histone H2A type 1-C	38.36	14.1
167	P04908	Histone H2A type 1-B/E	38.36	14.1
168	Q96QV6	Histone H2A type 1-A	38.36	14.2
169	P0C0S8	Histone H2A type 1	38.36	14.1
170	P05154	Plasma serine protease inhibitor	37.17	45.6
171	P13224	Platelet glycoprotein Ib beta chain	36.97	21.7
172	P08519	Apolipoprotein(a)	36.82	501.0
173	O60678	Protein arginine N-methyltransferase 3	35.87	59.8
174	P60660	Myosin light polypeptide 6	34.99	16.9
175	P27105	Erythrocyte band 7 integral membrane protein	34.22	31.7
176	P02675	Fibrinogen beta chain	33.90	55.9
177	Q6UY14	ADAMTS-like protein 4	33.10	116.5
178	P07737	Profilin-1	31.52	15.0
179	Q15942	Zyxin	31.09	61.2
180	P61586	Transforming protein RhoA	28.92	21.8
181	P08134	Rho-related GTP-binding protein	28.92	22.0

		RhoC		
182	P62745	Rho-related GTP-binding protein RhoB	28.92	22.1
183	Q13201	Multimerin-1	28.63	138.0
184	O14960	Leukocyte cell-derived chemotaxin- 2	28.55	16.4
185	Q08043	Alpha-actinin-3	28.27	103.2
186	P35609	Alpha-actinin-2	28.27	103.8
187	Q6ZTQ3	Ras association domain-containing protein 6	27.61	43.4
188	P01591	Immunoglobulin J chain	27.16	18.1

Table S3. Identified proteins on PHEMA SDPB_1%.

	UniProt AC	Protein Names	MS score	MW [kDa]
1	P02647	Apolipoprotein A-I	16310.35	30.8
2	P02649	Apolipoprotein E	5671.18	36.1
3	P06727	Apolipoprotein A-IV	1172.13	45.4
4	P10909	Clusterin	852.48	52.5
5	P04004	Vitronectin	586.17	54.3
6	P01042	Kininogen-1	554.78	71.9
7	P35542	Serum amyloid A-4 protein	526.53	14.7
8	P01871	Ig mu chain C region	432.11	49.3
9	P27169	Serum paraoxonase/arylesterase 1	357.05	39.7
10	P04220	Ig mu heavy chain disease protein	335.80	43.0
11	P55056	Apolipoprotein C-IV	319.63	14.5
12	Q14624	Inter-alpha-trypsin inhibitor heavy chain H4	314.85	103.3
13	P04114	Apolipoprotein B-100	303.46	515.3
14	P00736	Complement C1r subcomponent	288.09	80.1
15	P02768	Serum albumin	256.20	69.3
16	P05155	Plasma protease C1 inhibitor	251.28	55.1
17	P01024	Complement C3	243.19	187.0
18	P05109	Protein S100-A8	174.62	10.8
19	P68871	Hemoglobin subunit beta	132.30	16.0
20	P22352	Glutathione peroxidase 3	121.63	25.5
21	P02766	Transthyretin	117.50	15.9
22	Q15166	Serum paraoxonase/lactonase 3	110.02	39.6
23	P01857	Ig gamma-1 chain C region	103.61	36.1
24	P63261	Actin, cytoplasmic 2	97.87	41.8
25	P60709	Actin, cytoplasmic 1	97.87	41.7
26	P01860	Ig gamma-3 chain C region	96.34	41.3
27	P21333	Filamin-A	94.73	280.6
28	Q9Y490	Talin-1	93.44	269.6
29	P68133	Actin, alpha skeletal muscle	83.55	42.0
30	P68032	Actin, alpha cardiac muscle 1	83.55	42.0
31	P63267	Actin, gamma-enteric smooth muscle	83.55	41.8

32	P62736	Actin, aortic smooth muscle	83.55	42.0
33	P07996	Thrombospondin-1	80.23	129.3
34	P01859	Ig gamma-2 chain C region	75.21	35.9
35	Q9BQE3	Tubulin alpha-1C chain	66.39	49.9
36	Q71U36	Tubulin alpha-1A chain	66.39	50.1
37	P68363	Tubulin alpha-1B chain	66.39	50.1
38	P12259	Coagulation factor V	65.97	251.5
39	P01834	Ig kappa chain C region	65.21	11.6
40	P03951	Coagulation factor XI	64.44	70.1
41	O95445	Apolipoprotein M	63.09	21.2
42	P04196	Histidine-rich glycoprotein	57.12	59.5
43	Q9NZP8	Complement C1r subcomponent-like protein	55.20	53.5
44	P08514	Integrin alpha-IIb	48.29	113.3
45	P02760	Protein AMBP	47.75	39.0
46	Q9H4B7	Tubulin beta-1 chain	45.91	50.3
47	O00187	Mannan-binding lectin serine protease 2	42.34	75.7
48	Q13790	Apolipoprotein F	42.23	35.4
49	O14791	Apolipoprotein L1	42.06	43.9
50	Q9H0U4	Ras-related protein Rab-1B	41.41	22.2
51	Q92930	Ras-related protein Rab-8B	41.41	23.6
52	Q92928	Putative Ras-related protein Rab-1C	41.41	22.0
53	Q15286	Ras-related protein Rab-35	41.41	23.0
54	P62820	Ras-related protein Rab-1A	41.41	22.7
55	P61026	Ras-related protein Rab-10	41.41	22.5
56	P61006	Ras-related protein Rab-8A	41.41	23.7
57	P59190	Ras-related protein Rab-15	41.41	24.4
58	P69905	Hemoglobin subunit alpha	40.05	15.2
59	Q562R1	Beta-actin-like protein 2	39.97	42.0
60	Q5SZB4	Uncharacterized protein C9orf50	38.64	47.6
61	P02652	Apolipoprotein A-II	38.60	11.2
62	P06396	Gelsolin	38.49	85.6
63	P04278	Sex hormone-binding globulin	37.80	43.8

64	Q9HDC9	Adipocyte plasma membrane-associated protein	36.93	46.5
65	P68371	Tubulin beta-4B chain	36.23	49.8
66	P07437	Tubulin beta chain	36.23	49.6
67	P04350	Tubulin beta-4A chain	36.23	49.6
68	P06733	Alpha-enolase	36.17	47.1
69	P02776	Platelet factor 4	34.35	10.8
70	Q9NY65	Tubulin alpha-8 chain	34.07	50.1
71	Q6PEY2	Tubulin alpha-3E chain	34.07	49.8
72	Q13748	Tubulin alpha-3C/D chain	34.07	49.9
73	P68366	Tubulin alpha-4A chain	34.07	49.9
74	A6NHL2	Tubulin alpha chain-like 3	34.07	49.9
75	P09871	Complement C1s subcomponent	33.85	76.6
76	P62834	Ras-related protein Rap-1A	33.04	21.0
77	P61224	Ras-related protein Rap-1b	33.04	20.8
78	A6NIZ1	Ras-related protein Rap-1b-like protein	33.04	20.9
79	Q6S8J3	POTE ankyrin domain family member E	31.61	121.3
80	P0CG39	POTE ankyrin domain family member J	31.61	117.3
81	P0CG38	POTE ankyrin domain family member I	31.61	121.2
82	A5A3E0	POTE ankyrin domain family member F	31.61	121.4
83	P13929	Beta-enolase	30.46	47.0
84	Q9BVA1	Tubulin beta-2B chain	30.19	49.9
85	Q9BUF5	Tubulin beta-6 chain	30.19	49.8
86	Q3ZCM7	Tubulin beta-8 chain	30.19	49.7
87	Q13885	Tubulin beta-2A chain	30.19	49.9
88	Q13509	Tubulin beta-3 chain	30.19	50.4
89	A6NNZ2	Tubulin beta-8 chain-like protein LOC260334	30.19	49.5
90	Q96M91	Coiled-coil domain-containing protein 11	29.72	61.8

91	Q9NRW1	Ras-related protein Rab-6B	29.70	23.4
92	Q9H082	Ras-related protein Rab-33B	29.70	25.7
93	Q96E17	Ras-related protein Rab-3C	29.70	25.9
94	Q96DA2	Ras-related protein Rab-39B	29.70	24.6
95	Q96AX2	Ras-related protein Rab-37	29.70	24.8
96	Q86YS6	Ras-related protein Rab-43	29.70	23.3
97	Q6IQ22	Ras-related protein Rab-12	29.70	27.2
98	Q15771	Ras-related protein Rab-30	29.70	23.0
99	Q14964	Ras-related protein Rab-39A	29.70	25.0
100	P61106	Ras-related protein Rab-14	29.70	23.9
101	P61018	Ras-related protein Rab-4B	29.70	23.6
102	P20340	Ras-related protein Rab-6A	29.70	23.6
103	P20338	Ras-related protein Rab-4A	29.70	24.4
104	P20337	Ras-related protein Rab-3B	29.70	24.7
105	P20336	Ras-related protein Rab-3A	29.70	25.0
106	P01009	Alpha-1-antitrypsin	29.70	46.7
107	O95716	Ras-related protein Rab-3D	29.70	24.3
108	P60660	Myosin light polypeptide 6	29.18	16.9
109	P69892	Hemoglobin subunit gamma-2	28.55	16.1
110	P69891	Hemoglobin subunit gamma-1	28.55	16.1
111	P02100	Hemoglobin subunit epsilon	28.55	16.2
112	P02042	Hemoglobin subunit delta	28.55	16.0
113	Q96CV9	Optineurin	28.49	65.9
114	O76021	Ribosomal L1 domain-containing protein 1	28.49	54.9
115	Q9HB71	Calcyclin-binding protein	28.37	26.2
116	O95452	Gap junction beta-6 protein	28.37	30.4
117	O60503	Adenylate cyclase type 9	28.37	150.6
118	Q16534	Hepatic leukemia factor	28.28	33.2
119	Q01484	Ankyrin-2	27.16	433.4
120	P18136	Ig kappa chain V-III region HIC	27.16	14.1
121	P18135	Ig kappa chain V-III region HAH	27.16	14.1
122	P04206	Ig kappa chain V-III region GOL	27.16	11.8
123	P01623	Ig kappa chain V-III region WOL	27.16	11.7
124	P01622	Ig kappa chain V-III region Ti	27.16	11.8

125	P01620	Ig kappa chain V-III region SIE	27.16	11.8
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Table S4. Identified proteins on PHEA CPB.

	UniProt AC	Protein Names	MS score	MW [KDa]
1	P63261	Actin, cytoplasmic 2	708.11	41.8
2	P60709	Actin, cytoplasmic 1	708.11	41.7
3	Q15485	Ficolin-2	593.59	34.0
4	P01871	Ig mu chain C region	572.26	49.3
5	P02768	Serum albumin	547.78	69.3
6	P68133	Actin, alpha skeletal muscle	499.35	42.0
7	P68032	Actin, alpha cardiac muscle 1	499.35	42.0
8	P62736	Actin, aortic smooth muscle	460.49	42.0
9	P63267	Actin, gamma-enteric smooth muscle	460.49	41.8
10	P21333	Filamin-A	424.24	280.6
11	P04220	Ig mu heavy chain disease protein	416.24	43.0
12	A5A3E0	POTE ankyrin domain family member F	331.51	121.4
13	Q6S8J3	POTE ankyrin domain family member E	331.51	121.3
14	P02647	Apolipoprotein A-I	254.66	30.8
15	P35579	Myosin-9	249.18	226.4
16	Q562R1	Beta-actin-like protein 2	235.14	42.0
17	Q9BYX7	Putative beta-actin-like protein 3	223.10	42.0
18	P02679	Fibrinogen gamma chain	218.60	51.5
19	P0CG38	POTE ankyrin domain family member I	209.31	121.2
20	P0CG39	POTE ankyrin domain family member J	209.31	117.3
21	P04114	Apolipoprotein B-100	187.15	515.3
22	P01024	Complement C3	185.14	187.0
23	P02656	Apolipoprotein C-III	153.28	10.8
24	P02675	Fibrinogen beta chain	150.91	55.9
25	P68871	Hemoglobin subunit beta	134.74	16.0
26	Q9H4B7	Tubulin beta-1 chain	109.37	50.3
27	Q9Y490	Talin-1	107.72	269.6

28	P01857	Ig gamma-1 chain C region	97.89	36.1
29	P02042	Hemoglobin subunit delta	94.19	16.0
30	P69905	Hemoglobin subunit alpha	93.41	15.2
31	P01024	Complement C3	85.27	187.0
32	Q13509	Tubulin beta-3 chain	84.15	50.4
33	Q9BUF5	Tubulin beta-6 chain	84.15	49.8
34	P05106	Integrin beta-3	78.60	87.0
35	P68363	Tubulin alpha-1B chain	70.45	50.1
36	P07359	Platelet glycoprotein Ib alpha chain	70.05	71.5
37	P02649	Apolipoprotein E	67.19	36.1
38	Q71U36	Tubulin alpha-1A chain	66.00	50.1
39	Q9BQE3	Tubulin alpha-1C chain	66.00	49.9
40	O75369	Filamin-B	64.26	278.0
41	P04264	Keratin, type II cytoskeletal 1	63.46	66.0
42	P01860	Ig gamma-3 chain C region	63.33	41.3
44	P01859	Ig gamma-2 chain C region	63.33	35.9
45	Q9BVA1	Tubulin beta-2B chain	63.16	49.9
46	Q13885	Tubulin beta-2A chain	63.16	49.9
47	P68371	Tubulin beta-4B chain	63.16	49.8
48	Q3ZCM7	Tubulin beta-8 chain	63.16	49.7
49	P07437	Tubulin beta chain	63.16	49.6
50	A6NNZ2	Tubulin beta-8 chain-like protein LOC260334	63.16	49.5
51	Q13748	Tubulin alpha-3C/D chain	62.23	49.9
52	Q6PEY2	Tubulin alpha-3E chain	62.23	49.8
53	P13224	Platelet glycoprotein Ib beta chain	58.83	21.7
54	P04350	Tubulin beta-4A chain	58.19	49.6
55	P02776	Platelet factor 4	56.06	10.8
56	P02671	Fibrinogen alpha chain	48.12	94.9
57	P08514	Integrin alpha-IIb	46.76	113.3
58	P02100	Hemoglobin subunit epsilon	43.64	16.2
59	P69891	Hemoglobin subunit gamma-1	43.64	16.1
60	P69892	Hemoglobin subunit gamma-2	43.64	16.1
61	P68366	Tubulin alpha-4A chain	38.56	49.9
62	Q5VZ46	Uncharacterized protein KIAA1614	36.70	126.5

63	P14770	Platelet glycoprotein IX	36.21	19.0
64	Q15485	Ficolin-2	36.02	34.0
65	P35908	Keratin, type II cytoskeletal 2 epidermal	35.02	65.4
66	P35580	Myosin-10	34.61	228.9
67	P02749	Beta-2-glycoprotein 1	34.40	38.3
68	P62834	Ras-related protein Rap-1A	34.23	21.0
69	P61224	Ras-related protein Rap-1b	34.23	20.8
70	Q9Y4G6	Talin-2	33.29	271.4
71	P10909	Clusterin	32.64	52.5
72	P02774	Vitamin D-binding protein	32.31	52.9
73	Q8TAV4	Stomatin-like protein 3	31.71	32.1
74	P27105	Erythrocyte band 7 integral membrane protein	31.71	31.7
75	Q5SNT2	Transmembrane protein 201	31.53	72.2
76	P08519	Apolipoprotein(a)	30.62	501.0
77	O15270	Serine palmitoyltransferase 2	29.03	62.9
78	Q9NUV7	Serine palmitoyltransferase 3	29.03	62.0

Table S5. Identified proteins on PHEA SDPB_5%.

	UniProt AC	Protein Names	MS score	MW [kDa]
1	P02647	Apolipoprotein A-I	18119.82	30.8
2	P02768	Serum albumin	9206.05	69.3
3	P06727	Apolipoprotein A-IV	3057.56	45.4
4	P04114	Apolipoprotein B-100	2436.40	515.3
5	P02649	Apolipoprotein E	2157.44	36.1
6	P10909	Clusterin	1026.80	52.5
7	P01042	Kininogen-1	1025.09	71.9
8	P01857	Ig gamma-1 chain C region	888.07	36.1
9	P35579	Myosin-9	806.55	226.4
10	P02787	Serotransferrin	805.95	77.0
11	P35542	Serum amyloid A-4 protein	799.03	14.7
12	Q9Y490	Talin-1	760.50	269.6
13	P01871	Ig mu chain C region	740.20	49.3
14	P01859	Ig gamma-2 chain C region	642.59	35.9
15	P55056	Apolipoprotein C-IV	637.11	14.5
16	P01860	Ig gamma-3 chain C region	630.99	41.3
17	P21333	Filamin-A	588.86	280.6
18	P01834	Ig kappa chain C region	557.59	11.6
19	P63261	Actin, cytoplasmic 2	531.12	41.8
20	P60709	Actin, cytoplasmic 1	531.12	41.7
21	P04220	Ig mu heavy chain disease protein	472.46	43.0
22	P01023	Alpha-2-macroglobulin	423.44	163.2
23	P01024	Complement C3	374.35	187.0
24	P68133	Actin, alpha skeletal muscle	327.24	42.0
25	P68032	Actin, alpha cardiac muscle 1	327.24	42.0
26	P63267	Actin, gamma-enteric smooth muscle	327.24	41.8
27	P62736	Actin, aortic smooth muscle	327.24	42.0
28	Q15485	Ficolin-2	324.78	34.0
29	P03951	Coagulation factor XI	291.68	70.1
30	P01861	Ig gamma-4 chain C region	247.85	35.9
31	P04004	Vitronectin	239.18	54.3
32	P02679	Fibrinogen gamma chain	237.97	51.5

33	Q6S8J3	POTE ankyrin domain family member E	206.17	121.3
34	A5A3E0	POTE ankyrin domain family member F	206.17	121.4
35	P0CG39	POTE ankyrin domain family member J	193.28	117.3
36	P0CG38	POTE ankyrin domain family member I	193.28	121.2
37	Q9HDC9	Adipocyte plasma membrane-associated protein	176.35	46.5
38	P08514	Integrin alpha-IIb	169.93	113.3
39	P02751	Fibronectin	165.73	262.5
40	P01009	Alpha-1-antitrypsin	158.82	46.7
41	Q9H4B7	Tubulin beta-1 chain	154.78	50.3
42	P22352	Glutathione peroxidase 3	150.39	25.5
43	P35580	Myosin-10	150.39	228.9
44	P03952	Plasma kallikrein	146.95	71.3
45	Q562R1	Beta-actin-like protein 2	144.44	42.0
46	P02774	Vitamin D-binding protein	142.20	52.9
47	P27169	Serum paraoxonase/arylesterase 1	139.95	39.7
48	P00734	Prothrombin	136.44	70.0
49	P01777	Ig heavy chain V-III region TEI	135.83	12.8
50	P01766	Ig heavy chain V-III region BRO	135.34	13.2
51	Q7Z406	Myosin-14	125.24	227.7
52	P35749	Myosin-11	110.75	227.2
53	P05109	Protein S100-A8	107.92	10.8
54	P13224	Platelet glycoprotein Ib beta chain	106.12	21.7
55	P35858	Insulin-like growth factor-binding protein complex acid labile subunit	103.51	66.0
56	P04206	Ig kappa chain V-III region GOL	103.12	11.8
57	P01623	Ig kappa chain V-III region WOL	103.12	11.7
58	P01622	Ig kappa chain V-III region Ti	103.12	11.8
59	P01620	Ig kappa chain V-III region SIE	103.12	11.8
60	P07996	Thrombospondin-1	99.53	129.3
61	Q14315	Filamin-C	97.17	290.8

62	P02675	Fibrinogen beta chain	96.61	55.9
63	P35542	Serum amyloid A-4 protein	93.94	14.7
64	Q14624	Inter-alpha-trypsin inhibitor heavy chain H4	92.46	103.3
65	P01876	Ig alpha-1 chain C region	92.37	37.6
66	P06733	Alpha-enolase	86.42	47.1
67	P69905	Hemoglobin subunit alpha	83.75	15.2
68	P12830	Cadherin-1	82.88	97.4
69	P18136	Ig kappa chain V-III region HIC	81.77	14.1
70	P18135	Ig kappa chain V-III region HAH	81.77	14.1
71	Q9H0U4	Ras-related protein Rab-1B	81.65	22.2
72	Q92930	Ras-related protein Rab-8B	81.65	23.6
73	Q92928	Putative Ras-related protein Rab-1C	81.65	22.0
74	Q15286	Ras-related protein Rab-35	81.65	23.0
75	P62820	Ras-related protein Rab-1A	81.65	22.7
76	P61026	Ras-related protein Rab-10	81.65	22.5
77	P61006	Ras-related protein Rab-8A	81.65	23.7
78	P59190	Ras-related protein Rab-15	81.65	24.4
79	O75369	Filamin-B	81.56	278.0
80	Q9BUF5	Tubulin beta-6 chain	79.33	49.8
81	Q13509	Tubulin beta-3 chain	79.33	50.4
82	P0C0L5	Complement C4-B	79.01	192.6
83	P0C0L4	Complement C4-A	79.01	192.7
84	P20742	Pregnancy zone protein	78.80	163.8
85	O00187	Mannan-binding lectin serine protease 2	76.18	75.7
86	P04278	Sex hormone-binding globulin	75.00	43.8
87	P08519	Apolipoprotein(a)	72.35	501.0
88	P30043	Flavin reductase (NADPH)	70.59	22.1
89	Q4G0X9	Coiled-coil domain-containing protein 40	70.52	130.0
90	P02743	Serum amyloid P-component	69.71	25.4
91	P68371	Tubulin beta-4B chain	67.94	49.8
92	P07437	Tubulin beta chain	67.94	49.6

93	P04350	Tubulin beta-4A chain	67.94	49.6
94	P12814	Alpha-actinin-1	67.22	103.0
95	P68871	Hemoglobin subunit beta	67.03	16.0
96	Q96PD5	N-acetylmuramoyl-L-alanine amidase	66.84	62.2
97	Q9BVA1	Tubulin beta-2B chain	66.73	49.9
98	Q3ZCM7	Tubulin beta-8 chain	66.73	49.7
99	Q13885	Tubulin beta-2A chain	66.73	49.9
100	P68371	Tubulin beta-4B chain	66.73	49.8
101	A6NNZ2	Tubulin beta-8 chain-like protein LOC260334	66.73	49.5
102	P02790	Hemopexin	65.49	51.6
103	P02671	Fibrinogen alpha chain	64.20	94.9
104	Q9BQE3	Tubulin alpha-1C chain	62.71	49.9
105	Q71U36	Tubulin alpha-1A chain	62.71	50.1
106	P68363	Tubulin alpha-1B chain	62.71	50.1
107	Q9BYX7	Putative beta-actin-like protein 3	60.96	42.0
108	P02760	Protein AMBP	58.71	39.0
109	P63267	Actin, gamma-enteric smooth muscle	58.49	41.8
110	P63261	Actin, cytoplasmic 2	58.49	41.8
111	P61224	Ras-related protein Rap-1b	58.03	20.8
112	A6NIZ1	Ras-related protein Rap-1b-like protein	58.03	20.9
113	Q15166	Serum paraoxonase/lactonase 3	55.67	39.6
114	O43707	Alpha-actinin-4	54.71	104.8
115	Q6PEY2	Tubulin alpha-3E chain	54.53	49.8
116	Q13748	Tubulin alpha-3C/D chain	54.53	49.9
117	Q96CV9	Optineurin	53.72	65.9
118	O76021	Ribosomal L1 domain-containing protein 1	53.72	54.9
119	P01877	Ig alpha-2 chain C region	53.22	36.5
120	P02730	Band 3 anion transport protein	51.77	101.7
121	P01779	Ig heavy chain V-III region TUR	50.40	12.4
122	P01776	Ig heavy chain V-III region WAS	50.40	13.1

123	P01774	Ig heavy chain V-III region POM	50.40	12.9
124	P01765	Ig heavy chain V-III region TIL	50.40	12.3
125	P06396	Gelsolin	49.71	85.6
126	P02766	Transthyretin	49.56	15.9
127	P51153	Ras-related protein Rab-13	49.14	22.8
128	P04434	Ig kappa chain V-III region VH (Fragment)	48.06	12.7
129	P04207	Ig kappa chain V-III region CLL	48.06	14.3
130	P01624	Ig kappa chain V-III region POM	48.06	11.9
131	P01621	Ig kappa chain V-III region NG9 (Fragment)	48.06	10.7
132	P01605	Ig kappa chain V-I region Lay	48.06	11.8
133	Q9NRW1	Ras-related protein Rab-6B	47.88	23.4
134	Q9H082	Ras-related protein Rab-33B	47.88	25.7
135	Q96E17	Ras-related protein Rab-3C	47.88	25.9
136	Q96DA2	Ras-related protein Rab-39B	47.88	24.6
137	Q96AX2	Ras-related protein Rab-37	47.88	24.8
138	Q86YS6	Ras-related protein Rab-43	47.88	23.3
139	Q6IQ22	Ras-related protein Rab-12	47.88	27.2
140	Q15771	Ras-related protein Rab-30	47.88	23.0
141	Q14964	Ras-related protein Rab-39A	47.88	25.0
142	P61106	Ras-related protein Rab-14	47.88	23.9
143	P61018	Ras-related protein Rab-4B	47.88	23.6
144	P20340	Ras-related protein Rab-6A	47.88	23.6
145	P20338	Ras-related protein Rab-4A	47.88	24.4
146	P20337	Ras-related protein Rab-3B	47.88	24.7
147	P20336	Ras-related protein Rab-3A	47.88	25.0
148	O95716	Ras-related protein Rab-3D	47.88	24.3
149	Q9NY65	Tubulin alpha-8 chain	47.64	50.1
150	P68366	Tubulin alpha-4A chain	47.64	49.9
151	A6NHL2	Tubulin alpha chain-like 3	47.64	49.9
152	P02042	Hemoglobin subunit delta	47.44	16.0
153	P19823	Inter-alpha-trypsin inhibitor heavy chain H2	44.14	106.4
154	P02652	Apolipoprotein A-II	43.33	11.2

155	Q5VZB9	Doublesex- and mab-3-related transcription factor A1	42.70	53.1
156	Q9UL12	Sarcosine dehydrogenase, mitochondrial	41.01	101.0
157	Q92922	SWI/SNF complex subunit SMARCC1	41.01	122.8
158	Q5SNT2	Transmembrane protein 201	40.67	72.2
159	P05155	Plasma protease C1 inhibitor	40.35	55.1
160	P63000	Ras-related C3 botulinum toxin substrate 1	40.21	21.4
161	P60763	Ras-related C3 botulinum toxin substrate 3	40.21	21.4
162	P15153	Ras-related C3 botulinum toxin substrate 2	40.21	21.4
163	P00747	Plasminogen	39.94	90.5
164	Q9Y4G6	Talin-2	39.73	271.4
165	P00738	Haptoglobin	39.35	45.2
166	P07359	Platelet glycoprotein Ib alpha chain	38.89	71.5
167	P22352	Glutathione peroxidase 3	38.64	25.5
168	P84085	ADP-ribosylation factor 5	37.86	20.5
169	P84077	ADP-ribosylation factor 1	37.86	20.7
170	P61204	ADP-ribosylation factor 3	37.86	20.6
171	Q13790	Apolipoprotein F	37.58	35.4
172	Q9H4B7	Tubulin beta-1 chain	36.55	50.3
173	Q13885	Tubulin beta-2A chain	36.55	49.9
174	Q13509	Tubulin beta-3 chain	36.55	50.4
175	P01619	Ig kappa chain V-III region B6	36.25	11.6
176	A6NMB1	Sialic acid-binding Ig-like lectin 16	35.46	53.0
177	P62834	Ras-related protein Rap-1A	34.56	21.0
178	O75340	Programmed cell death protein 6	33.84	21.9
179	P0DJ19	Serum amyloid A-2 protein	33.67	13.5
180	P69892	Hemoglobin subunit gamma-2	32.67	16.1
181	P69891	Hemoglobin subunit gamma-1	32.67	16.1
182	P02100	Hemoglobin subunit epsilon	32.67	16.2
183	Q86UX7	Fermitin family homolog 3	31.63	75.9

184	P14618	Pyruvate kinase PKM	31.63	57.9
185	Q96M91	Coiled-coil domain-containing protein 11	31.11	61.8
186	P13929	Beta-enolase	30.75	47.0
187	Q5QP74	Putative uncharacterized protein C10orf115	30.11	10.3
188	Q15907	Ras-related protein Rab-11B	29.52	24.5
189	P62491	Ras-related protein Rab-11A	29.52	24.4
190	Q9Y6R4	Mitogen-activated protein kinase kinase 4	29.30	181.6
191	Q92882	Osteoclast-stimulating factor 1	29.24	23.8
192	Q5VZ46	Uncharacterized protein KIAA1614	29.16	126.5
193	Q9HB71	Calcyclin-binding protein	29.05	26.2
194	O95452	Gap junction beta-6 protein	29.05	30.4
195	O60503	Adenylate cyclase type 9	29.05	150.6
196	P28676	Grancalcin	28.80	24.0
197	P18428	Lipopolysaccharide-binding protein	28.70	53.3
198	P05546	Heparin cofactor 2	28.50	57.0
199	P14770	Platelet glycoprotein IX	28.30	19.0
200	P04792	Heat shock protein beta-1	28.16	22.8
201	P35609	Alpha-actinin-2	28.09	103.8
202	Q05315	Galectin-10	28.02	16.4
203	P15621	Zinc finger protein 44	27.77	76.5
204	Q92954	Proteoglycan 4	27.66	151.0
205	O95379	Tumor necr	27.50	23.0
206	P0DJ18	Serum amyloid A-1 protein	27.21	13.5
207	Q9NZP8	Complement C1r subcomponent-like protein	27.15	53.5

Table S6. Identified proteins on PHEA SDPB_1%.

	UniProt AC	Protein Names	MS score	MW [KDa]
1	P02647	Apolipoprotein A-I	25357.71	30.8
2	P02649	Apolipoprotein E	6833.68	36.1
3	P10909	Clusterin	1603.20	52.5
4	P02768	Serum albumin	1473.43	69.3
5	P04114	Apolipoprotein B-100	1221.91	515.3
6	P06727	Apolipoprotein A-IV	871.63	45.4
7	P35542	Serum amyloid A-4 protein	870.82	14.7
8	P55056	Apolipoprotein C-IV	813.11	14.5
9	P01042	Kininogen-1	503.72	71.9
10	P63261	Actin, cytoplasmic 2	343.76	41.8
11	P60709	Actin, cytoplasmic 1	343.76	41.7
12	P04004	Vitronectin	276.70	54.3
13	P01871	Ig mu chain C region	275.89	49.3
14	P05155	Plasma protease C1 inhibitor	258.60	55.1
15	P68871	Hemoglobin subunit beta	248.65	16.0
16	P61224	Ras-related protein Rap-1b	234.64	20.8
17	P63267	Actin, gamma-enteric smooth muscle	227.33	41.8
18	P62736	Actin, aortic smooth muscle	227.33	42.0
19	P68133	Actin, alpha skeletal muscle	227.33	42.0
20	P68032	Actin, alpha cardiac muscle 1	227.33	42.0
21	A6NIZ1	Ras-related protein Rap-1b-like protein	224.66	20.9
22	P04220	Ig mu heavy chain disease protein	197.98	43.0
23	Q9Y490	Talin-1	197.16	269.6
24	P62834	Ras-related protein Rap-1A	194.93	21.0
25	P27169	Serum paraoxonase/arylesterase 1	181.72	39.7
26	P21333	Filamin-A	175.51	280.6
27	P22352	Glutathione peroxidase 3	174.57	25.5
28	P30043	Flavin reductase (NADPH)	173.74	22.1
29	P07996	Thrombospondin-1	171.68	129.3
30	P01834	Ig kappa chain C region	166.29	11.6
31	P08514	Integrin alpha-IIb	162.25	113.3

32	P01623	Ig kappa chain V-III region WOL	157.90	11.7
33	P01622	Ig kappa chain V-III region Ti	157.90	11.8
34	P01620	Ig kappa chain V-III region SIE	157.90	11.8
35	P18136	Ig kappa chain V-III region HIC	157.90	14.1
36	P18135	Ig kappa chain V-III region HAH	157.90	14.1
37	P04206	Ig kappa chain V-III region GOL	157.90	11.8
38	P02042	Hemoglobin subunit delta	156.49	16.0
39	Q562R1	Beta-actin-like protein 2	146.55	42.0
40	P05109	Protein S100-A8	139.21	10.8
41	O95445	Apolipoprotein M	136.89	21.2
42	Q4G0X9	Coiled-coil domain-containing protein 40	117.29	130.0
43	P61026	Ras-related protein Rab-10	110.15	22.5
44	A5A3E0	POTE ankyrin domain family member F	106.79	121.4
45	Q6S8J3	POTE ankyrin domain family member E	106.79	121.3
46	P12259	Coagulation factor V	95.13	251.5
47	P02790	Hemopexin	90.68	51.6
48	Q9H4B7	Tubulin beta-1 chain	89.93	50.3
49	P01857	Ig gamma-1 chain C region	87.46	36.1
50	O00187	Mannan-binding lectin serine protease 2	85.93	75.7
51	Q92930	Ras-related protein Rab-8B	81.86	23.6
52	P61006	Ras-related protein Rab-8A	81.86	23.7
53	Q15286	Ras-related protein Rab-35	81.86	23.0
54	Q9H0U4	Ras-related protein Rab-1B	81.86	22.2
55	P62820	Ras-related protein Rab-1A	81.86	22.7
56	P59190	Ras-related protein Rab-15	81.86	24.4
57	Q92928	Putative Ras-related protein Rab-1C	81.86	22.0
58	P02655	Apolipoprotein C-II	80.42	11.3
59	Q9BYX7	Putative beta-actin-like protein 3	79.14	42.0
60	P02671	Fibrinogen alpha chain	77.73	94.9
61	P01860	Ig gamma-3 chain C region	77.46	41.3

62	P01859	Ig gamma-2 chain C region	77.46	35.9
63	P02652	Apolipoprotein A-II	75.21	11.2
64	Q15166	Serum paraoxonase/lactonase 3	72.88	39.6
65	Q9BQE3	Tubulin alpha-1C chain	70.65	49.9
66	P68363	Tubulin alpha-1B chain	70.65	50.1
67	Q71U36	Tubulin alpha-1A chain	70.65	50.1
68	P02766	Transthyretin	67.86	15.9
69	P09104	Gamma-enolase	66.44	47.2
70	P13929	Beta-enolase	66.44	47.0
71	P06733	Alpha-enolase	66.44	47.1
72	P69892	Hemoglobin subunit gamma-2	65.50	16.1
73	P69891	Hemoglobin subunit gamma-1	65.50	16.1
74	P02100	Hemoglobin subunit epsilon	65.50	16.2
75	Q13790	Apolipoprotein F	64.55	35.4
76	Q6PEY2	Tubulin alpha-3E chain	64.36	49.8
77	Q13748	Tubulin alpha-3C/D chain	64.36	49.9
78	P01024	Complement C3	63.01	187.0
79	P51153	Ras-related protein Rab-13	62.99	22.8
80	P0CG39	POTE ankyrin domain family member J	62.64	117.3
81	P0CG38	POTE ankyrin domain family member I	62.64	121.2
82	P01777	Ig heavy chain V-III region TEI	61.15	12.8
83	P01766	Ig heavy chain V-III region BRO	61.15	13.2
84	P60660	Myosin light polypeptide 6	59.89	16.9
85	P04406	Glyceraldehyde-3-phosphate dehydrogenase	56.48	36.0
86	Q13201	Multimerin-1	54.10	138.0
87	P30041	Peroxiredoxin-6	52.48	25.0
88	P14649	Myosin light chain 6B	50.84	22.7
89	O43707	Alpha-actinin-4	47.42	104.8
90	Q08043	Alpha-actinin-3	47.42	103.2
91	P12814	Alpha-actinin-1	47.42	103.0
92	P69905	Hemoglobin subunit alpha	46.65	15.2
93	P35609	Alpha-actinin-2	45.55	103.8

94	P00736	Complement C1r subcomponent	44.95	80.1
95	Q92954	Proteoglycan 4	43.80	151.0
96	Q05315	Galectin-10	42.81	16.4
97	P07359	Platelet glycoprotein Ib alpha chain	40.77	71.5
98	P15924	Desmoplakin	40.65	331.6
99	P28676	Grancalcin	39.32	24.0
100	P06396	Gelsolin	39.25	85.6
101	O14791	Apolipoprotein L1	37.71	43.9
102	Q9NRW1	Ras-related protein Rab-6B	36.66	23.4
103	P20340	Ras-related protein Rab-6A	36.66	23.6
104	P61018	Ras-related protein Rab-4B	36.66	23.6
105	P20338	Ras-related protein Rab-4A	36.66	24.4
106	Q86YS6	Ras-related protein Rab-43	36.66	23.3
107	O95716	Ras-related protein Rab-3D	36.66	24.3
108	Q96E17	Ras-related protein Rab-3C	36.66	25.9
109	P20337	Ras-related protein Rab-3B	36.66	24.7
110	P20336	Ras-related protein Rab-3A	36.66	25.0
111	Q96DA2	Ras-related protein Rab-39B	36.66	24.6
112	Q14964	Ras-related protein Rab-39A	36.66	25.0
113	Q96AX2	Ras-related protein Rab-37	36.66	24.8
114	Q9H082	Ras-related protein Rab-33B	36.66	25.7
115	Q15771	Ras-related protein Rab-30	36.66	23.0
116	P61106	Ras-related protein Rab-14	36.66	23.9
117	Q6IQ22	Ras-related protein Rab-12	36.66	27.2
118	P02656	Apolipoprotein C-III	35.82	10.8
119	O00194	Ras-related protein Rab-27B	35.38	24.6
120	P02751	Fibronectin	34.71	262.5
121	Q14315	Filamin-C	34.68	290.8
122	O75369	Filamin-B	34.68	278.0
123	Q9HDC9	Adipocyte plasma membrane-associated protein	34.08	46.5
124	Q5VZ46	Uncharacterized protein KIAA1614	30.49	126.5
125	P51159	Ras-related protein Rab-27A	30.48	24.9
126	P01009	Alpha-1-antitrypsin	29.93	46.7
127	Q5SNT2	Transmembrane protein 201	29.65	72.2

128	P63104	14-3-3 protein zeta/delta	29.65	27.7
129	P27348	14-3-3 protein theta	29.65	27.7
130	P31947	14-3-3 protein sigma	29.65	27.8
131	P61981	14-3-3 protein gamma	29.65	28.3
132	Q04917	14-3-3 protein eta	29.65	28.2
133	P62258	14-3-3 protein epsilon	29.65	29.2
134	P31946	14-3-3 protein beta/alpha	29.65	28.1
135	Q16534	Hepatic leukemia factor	29.17	33.2
136	Q96M91	Coiled-coil domain-containing protein 11	28.33	61.8
137	P05090	Apolipoprotein D	27.72	21.3
138	P13224	Platelet glycoprotein Ib beta chain	27.65	21.7
139	Q9NZP8	Complement C1r subcomponent-like protein	27.51	53.5
140	P21731	Thromboxane A2 receptor	27.35	37.4
141	P02774	Vitamin D-binding protein	27.24	52.9
142	O95810	Serum deprivation-response protein	27.06	47.1

Table S7. Identified proteins on PMEA CPB.

	UniProt AC	Protein Names	MS score	MW [KDa]
1	P04114	Apolipoprotein B-100	3160.24	515.3
2	P02649	Apolipoprotein E	1986.66	36.1
3	P02647	Apolipoprotein A-I	949.37	30.8
4	P02768	Serum albumin	870.60	69.3
5	P04003	C4b-binding protein alpha chain	804.78	67.0
6	P21333	Filamin-A	772.29	280.6
7	P27169	Serum paraoxonase/arylesterase 1	663.14	39.7
8	P01871	Ig mu chain C region	662.82	49.3
9	P01024	Complement C3	637.88	187.0
10	P05090	Apolipoprotein D	633.94	21.3
11	P10909	Clusterin	588.30	52.5
12	P35579	Myosin-9	526.61	226.4
13	Q9Y490	Talin-1	443.90	269.6
14	P63261	Actin, cytoplasmic 2	417.74	41.8
15	P60709	Actin, cytoplasmic 1	417.74	41.7
16	P04220	Ig mu heavy chain disease protein	396.16	43.0
17	P02675	Fibrinogen beta chain	371.76	55.9
18	P05155	Plasma protease C1 inhibitor	336.98	55.1
19	P01834	Ig kappa chain C region	309.70	11.6
20	P68133	Actin, alpha skeletal muscle	278.51	42.0
21	P68032	Actin, alpha cardiac muscle 1	278.51	42.0
22	P63267	Actin, gamma-enteric smooth muscle	266.49	41.8
23	P62736	Actin, aortic smooth muscle	266.49	42.0
24	O75636	Ficolin-3	261.18	32.9
25	P80108	Phosphatidylinositol-glycan-specific phospholipase D	248.58	92.3
26	P02679	Fibrinogen gamma chain	232.72	51.5
27	P02656	Apolipoprotein C-III	225.34	10.8
28	Q08380	Galectin-3-binding protein	212.00	65.3
29	P07996	Thrombospondin-1	197.15	129.3
30	Q15485	Ficolin-2	186.56	34.0
31	P05106	Integrin beta-3	174.31	87.0

32	P02730	Band 3 anion transport protein	165.83	101.7
33	P06727	Apolipoprotein A-IV	151.19	45.4
34	Q14315	Filamin-C	137.01	290.8
35	P35580	Myosin-10	136.90	228.9
36	P08514	Integrin alpha-IIb	134.70	113.3
37	O75369	Filamin-B	129.57	278.0
38	P09871	Complement C1s subcomponent	128.35	76.6
39	P0C0L5	Complement C4-B	127.49	192.6
40	Q6S8J3	POTE ankyrin domain family member E	123.12	121.3
41	P0CG39	POTE ankyrin domain family member J	123.12	117.3
42	P0CG38	POTE ankyrin domain family member I	123.12	121.2
43	A5A3E0	POTE ankyrin domain family member F	123.12	121.4
44	P35542	Serum amyloid A-4 protein	106.51	14.7
45	P00736	Complement C1r subcomponent	98.57	80.1
46	P55058	Phospholipid transfer protein	98.05	54.7
47	P02652	Apolipoprotein A-II	96.61	11.2
48	Q15166	Serum paraoxonase/lactonase 3	94.44	39.6
49	P07225	Vitamin K-dependent protein S	91.30	75.1
50	Q562R1	Beta-actin-like protein 2	84.57	42.0
51	P02790	Hemopexin	84.43	51.6
52	P02655	Apolipoprotein C-II	82.09	11.3
53	P68871	Hemoglobin subunit beta	81.40	16.0
54	P00450	Ceruloplasmin	80.97	122.1
55	P04004	Vitronectin	77.19	54.3
56	P00738	Haptoglobin	74.93	45.2
57	P35749	Myosin-11	74.56	227.2
58	P18136	Ig kappa chain V-III region HIC	73.36	14.1
59	P18135	Ig kappa chain V-III region HAH	73.36	14.1
60	P02787	Serotransferrin	73.31	77.0
61	P01623	Ig kappa chain V-III region WOL	72.96	11.7
62	P01620	Ig kappa chain V-III region SIE	72.96	11.8

63	Q9Y4G6	Talin-2	72.39	271.4
64	P00739	Haptoglobin-related protein	71.84	39.0
65	O14791	Apolipoprotein L1	71.64	43.9
66	Q7Z406	Myosin-14	71.46	227.7
67	P12814	Alpha-actinin-1	68.15	103.0
68	P68366	Tubulin alpha-4A chain	66.22	49.9
69	P02760	Protein AMBP	65.51	39.0
70	P35030	Trypsin-3	63.46	32.5
71	Q86UX7	Fermitin family homolog 3	63.01	75.9
72	P01861	Ig gamma-4 chain C region	59.18	35.9
73	P69905	Hemoglobin subunit alpha	58.88	15.2
74	P04206	Ig kappa chain V-III region GOL	57.05	11.8
75	P01622	Ig kappa chain V-III region Ti	57.05	11.8
76	Q9NZP8	Complement C1r subcomponent-like protein	56.24	53.5
77	P16157	Ankyrin-1	52.67	206.1
78	P02042	Hemoglobin subunit delta	51.96	16.0
79	P08519	Apolipoprotein(a)	51.55	501.0
80	P11277	Spectrin beta chain, erythrocytic	50.82	246.3
81	P07359	Platelet glycoprotein Ib alpha chain	50.00	71.5
82	P04004	Vitronectin	49.52	54.3
83	Q8TF72	Protein Shroom3	48.34	216.7
84	O43707	Alpha-actinin-4	46.69	104.8
85	A6NMB1	Sialic acid-binding Ig-like lectin 16	46.45	53.0
86	P01009	Alpha-1-antitrypsin	45.78	46.7
87	Q08830	Fibrinogen-like protein 1	44.87	36.4
88	P67936	Tropomyosin alpha-4 chain	44.76	28.5
89	P09493	Tropomyosin alpha-1 chain	44.76	32.7
90	P07951	Tropomyosin beta chain	44.76	32.8
91	P06753	Tropomyosin alpha-3 chain	44.76	32.9
92	P14136	Glial fibrillary acidic protein	43.12	49.8
93	Q9BY43	Charged multivesicular body protein 4a	42.15	25.1
94	Q9H4B7	Tubulin beta-1 chain	41.85	50.3
95	P01023	Alpha-2-macroglobulin	41.42	163.2

96	P02776	Platelet factor 4	40.98	10.8
97	Q15022	Polycomb protein SUZ12	35.63	83.0
98	P33981	Dual specificity protein kinase TTK	35.63	97.0
99	P68363	Tubulin alpha-1B chain	34.37	50.1
100	Q01668	Voltage-dependent L-type calcium channel subunit alpha-1D	34.27	245.0
101	O43150	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2	33.87	111.6
102	P06396	Gelsolin	33.22	85.6
103	Q96PD5	N-acetylmuramoyl-L-alanine amidase	33.02	62.2
104	Q92581	Sodium/hydrogen exchanger 6	32.28	74.1
105	Q13936	Voltage-dependent L-type calcium channel subunit alpha-1C	32.28	248.8
106	Q5SNT2	Transmembrane protein 201	31.96	72.2
107	P69892	Hemoglobin subunit gamma-2	31.23	16.1
108	P69891	Hemoglobin subunit gamma-1	31.23	16.1
109	P02100	Hemoglobin subunit epsilon	31.23	16.2
110	P01779	Ig heavy chain V-III region TUR	30.50	12.4
111	P01776	Ig heavy chain V-III region WAS	30.50	13.1
112	P01774	Ig heavy chain V-III region POM	30.50	12.9
113	P01765	Ig heavy chain V-III region TIL	30.50	12.3
114	Q16534	Hepatic leukemia factor	30.42	33.2
115	Q5VZB9	Doublesex- and mab-3-related transcription factor A1	30.34	53.1
116	Q96M91	Coiled-coil domain-containing protein 11	29.83	61.8
117	Q9NUV7	Serine palmitoyltransferase 3	29.45	62.0
118	Q86W67	Protein FAM228A	29.45	23.7
119	O15270	Serine palmitoyltransferase 2	29.45	62.9
120	Q12982	BCL2/adenovirus E1B 19 kDa protein-interacting protein 2	28.97	36.0
121	Q5VZ46	Uncharacterized protein KIAA1614	28.45	126.5

122	Q9H5Q4	Dimethyladenosine transferase 2, mitochondrial	28.44	45.3
123	Q86YZ3	Hornerin	28.36	282.2
124	P55056	Apolipoprotein C-IV	28.19	14.5
125	O95445	Apolipoprotein M	27.83	21.2
126	P01877	Ig alpha-2 chain C region	27.50	36.5
127	P01876	Ig alpha-1 chain C region	27.50	37.6
128	Q01484	Ankyrin-2	27.26	433.4

Table S8. Identified proteins on PMEA SDPB_5%.

	UniProt AC	Protein Names	MS score	MW [kDa]
1	P02649	Apolipoprotein E	7909.05	36.1
2	P04114	Apolipoprotein B-100	6934.34	515.3
3	P27169	Serum paraoxonase/arylesterase 1	2654.08	39.7
4	P02647	Apolipoprotein A-I	1248.32	30.8
5	P04003	C4b-binding protein alpha chain	1246.70	67.0
6	P10909	Clusterin	1216.78	52.5
7	P01871	Ig mu chain C region	1018.95	49.3
8	P02675	Fibrinogen beta chain	948.10	55.9
9	P63261	Actin, cytoplasmic 2	935.65	41.8
10	P60709	Actin, cytoplasmic 1	935.65	41.7
11	P05090	Apolipoprotein D	886.50	21.3
12	P02768	Serum albumin	816.33	69.3
13	P21333	Filamin-A	809.76	280.6
14	P02679	Fibrinogen gamma chain	799.98	51.5
15	P02671	Fibrinogen alpha chain	794.42	94.9
16	P01024	Complement C3	741.24	187.0
17	P04220	Ig mu heavy chain disease protein	694.30	43.0
18	P68133	Actin, alpha skeletal muscle	679.38	42.0
19	P68032	Actin, alpha cardiac muscle 1	679.38	42.0
20	P63267	Actin, gamma-enteric smooth muscle	594.73	41.8
21	P62736	Actin, aortic smooth muscle	594.73	42.0
22	Q6S8J3	POTE ankyrin domain family member E	513.55	121.3
23	A5A3E0	POTE ankyrin domain family member F	513.55	121.4
24	P35579	Myosin-9	419.26	226.4
25	P05155	Plasma protease C1 inhibitor	400.30	55.1
26	Q9Y490	Talin-1	386.47	269.6
27	Q9BYX7	Putative beta-actin-like protein 3	377.70	42.0
28	P01857	Ig gamma-1 chain C region	337.46	36.1
29	Q562R1	Beta-actin-like protein 2	319.03	42.0

30	Q96PD5	N-acetylmuramoyl-L-alanine amidase	316.66	62.2
31	O75636	Ficolin-3	304.57	32.9
32	P80108	Phosphatidylinositol-glycan-specific phospholipase D	301.69	92.3
33	P0CG39	POTE ankyrin domain family member J	285.78	117.3
34	P0CG38	POTE ankyrin domain family member I	285.78	121.2
35	O00187	Mannan-binding lectin serine protease 2	273.87	75.7
36	P07996	Thrombospondin-1	270.12	129.3
37	O95445	Apolipoprotein M	259.07	21.2
38	P01860	Ig gamma-3 chain C region	243.31	41.3
39	P01859	Ig gamma-2 chain C region	219.91	35.9
40	P04004	Vitronectin	213.67	54.3
41	Q15166	Serum paraoxonase/lactonase 3	206.00	39.6
42	P35542	Serum amyloid A-4 protein	194.03	14.7
43	P01834	Ig kappa chain C region	180.68	11.6
44	P0C0L5	Complement C4-B	163.33	192.6
45	P06727	Apolipoprotein A-IV	159.10	45.4
46	P04278	Sex hormone-binding globulin	155.01	43.8
47	Q9H4B7	Tubulin beta-1 chain	149.64	50.3
48	P68363	Tubulin alpha-1B chain	141.52	50.1
49	P55058	Phospholipid transfer protein	138.28	54.7
50	P68371	Tubulin beta-4B chain	132.09	49.8
51	P07437	Tubulin beta chain	132.09	49.6
52	P04350	Tubulin beta-4A chain	132.09	49.6
53	Q71U36	Tubulin alpha-1A chain	128.44	50.1
54	Q13509	Tubulin beta-3 chain	126.11	50.4
55	P08514	Integrin alpha-IIb	121.75	113.3
56	Q9BVA1	Tubulin beta-2B chain	116.96	49.9
57	Q13885	Tubulin beta-2A chain	116.96	49.9
58	P07225	Vitamin K-dependent protein S	114.51	75.1
59	P00738	Haptoglobin	111.35	45.2

60	P06396	Gelsolin	111.27	85.6
61	P00739	Haptoglobin-related protein	109.49	39.0
62	B9A064	Immunoglobulin lambda-like polypeptide 5	108.56	23.0
63	P0CG06	Ig lambda-3 chain C regions	107.84	11.2
64	P0CG05	Ig lambda-2 chain C regions	107.84	11.3
65	Q13748	Tubulin alpha-3C/D chain	102.89	49.9
66	Q6PEY2	Tubulin alpha-3E chain	101.17	49.8
67	Q9BQE3	Tubulin alpha-1C chain	100.20	49.9
68	P68871	Hemoglobin subunit beta	99.74	16.0
69	P01876	Ig alpha-1 chain C region	99.71	37.6
70	P01623	Ig kappa chain V-III region WOL	98.02	11.7
71	P01620	Ig kappa chain V-III region SIE	98.02	11.8
72	P08519	Apolipoprotein(a)	97.78	501.0
73	P68366	Tubulin alpha-4A chain	95.61	49.9
74	P02760	Protein AMBP	94.75	39.0
75	P35580	Myosin-10	93.78	228.9
76	P01861	Ig gamma-4 chain C region	92.89	35.9
77	P04406	Glyceraldehyde-3-ph	91.27	36.0
78	P0CF74	Ig lambda-6 chain C region	88.21	11.3
79	P05106	Integrin beta-3	86.79	87.0
80	Q9BUF5	Tubulin beta-6 chain	86.48	49.8
81	P02790	Hemopexin	85.17	51.6
82	Q9HDC9	Adipocyte plasma membrane-associated protein	85.08	46.5
83	P04206	Ig kappa chain V-III region GOL	83.36	11.8
84	P01622	Ig kappa chain V-III region Ti	83.36	11.8
85	P01619	Ig kappa chain V-III region B6	83.36	11.6
86	P02655	Apolipoprotein C-II	79.23	11.3
87	P06733	Alpha-enolase	79.05	47.1
88	P04433	Ig kappa chain V-III region VG (Fragment)	78.29	12.6
89	P00450	Ceruloplasmin	78.29	122.1
90	Q13418	Integrin-linked protein kinase	77.86	51.4
91	Q3ZCM7	Tubulin beta-8 chain	77.17	49.7

92	A6NNZ2	Tubulin beta-8 chain-like protein LOC260334	77.17	49.5
93	Q7Z406	Myosin-14	76.81	227.7
94	P04180	Phosphatidylcholine-sterol acyltransferase	74.91	49.5
95	P02766	Transthyretin	74.13	15.9
96	P09871	Complement C1s subcomponent	73.85	76.6
97	Q15485	Ficolin-2	71.74	34.0
98	P55056	Apolipoprotein C-IV	69.62	14.5
99	P0C0L4	Complement C4-A	69.36	192.7
100	P00736	Complement C1r subcomponent	68.96	80.1
101	P49908	Selenoprotein P	67.70	43.2
102	P02042	Hemoglobin subunit delta	65.30	16.0
103	P08697	Alpha-2-antiplasmin	62.92	54.5
104	Q9H8L6	Multimerin-2	61.79	104.3
105	P0CG04	Ig lambda-1 chain C regions	60.98	11.3
106	Q9UHG3	Prenylcysteine oxidase 1	58.57	56.6
107	Q9NZP8	Complement C1r subcomponent- like protein	58.06	53.5
108	P35749	Myosin-11	57.00	227.2
109	P05546	Heparin cofactor 2	55.80	57.0
110	P35542	Serum amyloid A-4 protein	55.66	14.7
111	P05109	Protein S100-A8	55.03	10.8
112	P09104	Gamma-enolase	54.78	47.2
113	Q9NY65	Tubulin alpha-8 chain	54.27	50.1
114	P02751	Fibronectin	53.41	262.5
115	P13224	Platelet glycoprotein Ib beta chain	52.09	21.7
116	Q8TAV4	Stomatin-like protein 3	51.49	32.1
117	P27105	Erythrocyte band 7 integral membrane protein	51.49	31.7
118	P18428	Lipopolysaccharide-binding protein	51.29	53.3
119	Q4G0X9	Coiled-coil domain-containing protein 40	50.80	130.0
120	P01009	Alpha-1-antitrypsin	49.90	46.7
121	Q9Y4G6	Talin-2	49.73	271.4

122	P18136	Ig kappa chain V-III region HIC	49.21	14.1
123	P18135	Ig kappa chain V-III region HAH	49.21	14.1
124	O14791	Apolipoprotein L1	47.30	43.9
125	P14770	Platelet glycoprotein IX	46.45	19.0
126	P01621	Ig kappa chain V-III region NG9 (Fragment)	44.24	10.7
127	P47929	Galectin-7	43.54	15.1
128	Q5SNT2	Transmembrane protein 201	43.37	72.2
129	Q9NRW1	Ras-related protein Rab-6B	43.16	23.4
130	Q9H0U4	Ras-related protein Rab-1B	43.16	22.2
131	Q9H082	Ras-related protein Rab-33B	43.16	25.7
132	Q96E17	Ras-related protein Rab-3C	43.16	25.9
133	Q96DA2	Ras-related protein Rab-39B	43.16	24.6
134	Q96AX2	Ras-related protein Rab-37	43.16	24.8
135	Q92930	Ras-related protein Rab-8B	43.16	23.6
136	Q92928	Putative Ras-related protein Rab-1C	43.16	22.0
137	Q86YS6	Ras-related protein Rab-43	43.16	23.3
138	Q6IQ22	Ras-related protein Rab-12	43.16	27.2
139	Q15771	Ras-related protein Rab-30	43.16	23.0
140	Q15286	Ras-related protein Rab-35	43.16	23.0
141	Q14964	Ras-related protein Rab-39A	43.16	25.0
142	P62820	Ras-related protein Rab-1A	43.16	22.7
143	P61106	Ras-related protein Rab-14	43.16	23.9
144	P61026	Ras-related protein Rab-10	43.16	22.5
145	P61018	Ras-related protein Rab-4B	43.16	23.6
146	P61006	Ras-related protein Rab-8A	43.16	23.7
147	P59190	Ras-related protein Rab-15	43.16	24.4
148	P20340	Ras-related protein Rab-6A	43.16	23.6
149	P20338	Ras-related protein Rab-4A	43.16	24.4
150	P20337	Ras-related protein Rab-3B	43.16	24.7
151	P20336	Ras-related protein Rab-3A	43.16	25.0
152	O95716	Ras-related protein Rab-3D	43.16	24.3
153	Q5VZB9	Doublesex- and mab-3-related transcription factor A1	42.95	53.1

154	P02652	Apolipoprotein A-II	42.52	11.2
155	A0M8Q6	Ig lambda-7 chain C region	41.90	11.3
156	Q08830	Fibrinogen-like protein 1	41.75	36.4
157	P19652	Alpha-1-acid glycoprotein 2	41.65	23.6
158	P02763	Alpha-1-acid glycoprotein 1	41.65	23.5
159	P11166	Solute carrier family 2, facilitated gluc	40.99	54.0
160	P02730	Band 3 anion transport protein	40.99	101.7
161	P01777	Ig heavy chain V-III region TEI	40.68	12.8
162	P01766	Ig heavy chain V-III region BRO	40.68	13.2
163	P01877	Ig alpha-2 chain C region	40.50	36.5
164	Q7L1T6	Cytochrome b5 reductase 4	38.71	59.4
165	Q16512	Serine/threonine-protein kinase N1	37.20	103.9
166	P15169	Carboxypeptidase N catalytic chain	36.26	52.3
167	P80362	Ig kappa chain V-I region WAT	35.81	11.7
168	P04432	Ig kappa chain V-I region Daudi	35.81	14.2
169	P04431	Ig kappa chain V-I region Walker	35.81	14.1
170	P04430	Ig kappa chain V-I region BAN	35.81	11.8
171	P01611	Ig kappa chain V-I region Wes	35.81	11.6
172	P01610	Ig kappa chain V-I region WEA	35.81	11.8
173	P01606	Ig kappa chain V-I region OU	35.81	11.8
174	P01604	Ig kappa chain V-I region Kue	35.81	12.1
175	P01602	Ig heavy chain V-I region 5 (Fragment)	35.81	12.8
176	P01601	Ig kappa chain V-ID region 16 (Fragment)	35.81	12.7
177	P01600	Ig kappa chain V-I region Hau	35.81	11.7
178	P01597	Ig kappa chain V-I region DEE	35.81	11.7
179	Q8WUA8	Tsukushin	35.24	37.8
180	Q9NUV7	Serine palmitoyltransferase 3	35.00	62.0
181	Q86W67	Protein FAM228A	35.00	23.7
182	O15270	Serine palmitoyltransferase 2	35.00	62.9
183	Q92581	Sodium/hydrogen exchanger 6	34.84	74.1
184	Q13936	Voltage-dependent L-type calcium channel subunit alpha-1C	34.84	248.8

185	Q01668	Voltage-dependent L-type calcium channel subunit alpha-1D	34.84	245.0
186	P22352	Glutathione peroxidase 3	34.74	25.5
187	Q96M91	Coiled-coil domain-containing protein 11	34.67	61.8
188	P20851	C4b-binding protein beta chain	34.60	28.3
189	P69892	Hemoglobin subunit gamma-2	33.95	16.1
190	P69891	Hemoglobin subunit gamma-1	33.95	16.1
191	P02100	Hemoglobin subunit epsilon	33.95	16.2
192	P07359	Platelet glycoprotein Ib alpha chain	33.91	71.5
193	P01598	Ig kappa chain V-I region EU	33.69	11.8
194	O00602	Ficolin-1	32.98	35.1
195	O00194	Ras-related protein Rab-27B	32.56	24.6
196	P01042	Kininogen-1	32.52	71.9
197	Q8TF72	Protein Shroom3	31.54	216.7
198	P04275	von Willebrand factor	30.49	309.1
199	P25705	ATP synthase subunit alpha, mitochondrial	30.45	59.7
200	P02654	Apolipoprotein C-I	29.29	9.3
201	Q9UL12	Sarcosine dehydrogenase, mitochondrial	29.27	101.0
202	Q92922	SWI/SNF complex subunit SMARCC1	29.27	122.8
203	Q5VZ46	Uncharacterized protein KIAA1614	29.22	126.5
204	Q4G0X9	Coiled-coil domain-containing protein 40	28.85	130.0
205	P60660	Myosin light polypeptide 6	28.57	16.9
206	Q01469	Fatty acid-binding protein, epidermal	28.07	15.2
207	P02741	C-reactive protein	27.73	25.0
208	Q9HBI1	Beta-parvin	27.52	41.7
209	P28676	Grancalcin	27.40	24.0
210	Q16534	Hepatic leukemia factor	27.36	33.2

Table S9. Identified proteins on PMEA SDPB_1%.

	UniProt AC	Protein Names	MS score	MW [KDa]
1	P02647	Apolipoprotein A-I	14231.76	30.8
2	P02649	Apolipoprotein E	11224.04	36.1
3	P04114	Apolipoprotein B-100	8333.65	515.3
4	P10909	Clusterin	3336.55	52.5
5	P01024	Complement C3	1781.73	187.0
6	P01871	Ig mu chain C region	1746.02	49.3
7	P04220	Ig mu heavy chain disease protein	1258.47	43.0
8	P06727	Apolipoprotein A-IV	1209.08	45.4
9	P02768	Serum albumin	1117.72	69.3
10	P21333	Filamin-A	1071.72	280.6
11	Q9Y490	Talin-1	851.53	269.6
12	P27169	Serum paraoxonase/arylesterase 1	772.97	39.7
13	P04004	Vitronectin	754.29	54.3
14	P35579	Myosin-9	644.55	226.4
15	P55056	Apolipoprotein C-IV	631.10	14.5
16	P01834	Ig kappa chain C region	617.15	11.6
17	P63261	Actin, cytoplasmic 2	584.81	41.8
18	P60709	Actin, cytoplasmic 1	584.81	41.7
19	P01042	Kininogen-1	577.02	71.9
20	P35542	Serum amyloid A-4 protein	532.42	14.7
21	Q96PD5	N-acetylmuramoyl-L-alanine amidase	479.69	62.2
22	P68133	Actin, alpha skeletal muscle	412.67	42.0
23	P68032	Actin, alpha cardiac muscle 1	412.67	42.0
24	P04003	C4b-binding protein alpha chain	396.49	67.0
25	P02679	Fibrinogen gamma chain	385.19	51.5
26	P05090	Apolipoprotein D	323.20	21.3
27	P63267	Actin, gamma-enteric smooth muscle	318.96	41.8
28	P62736	Actin, aortic smooth muscle	318.96	42.0
29	P12259	Coagulation factor V	313.62	251.5
30	O95445	Apolipoprotein M	303.73	21.2
31	P68371	Tubulin beta-4B chain	300.24	49.8

32	P04350	Tubulin beta-4A chain	300.24	49.6
33	P07437	Tubulin beta chain	300.24	49.6
34	Q9H4B7	Tubulin beta-1 chain	276.89	50.3
35	A6NNZ2	Tubulin beta-8 chain-like protein LOC260334	275.12	49.5
36	Q3ZCM7	Tubulin beta-8 chain	275.12	49.7
37	Q9BVA1	Tubulin beta-2B chain	275.12	49.9
38	Q13885	Tubulin beta-2A chain	275.12	49.9
39	Q9BUF5	Tubulin beta-6 chain	270.84	49.8
40	Q13509	Tubulin beta-3 chain	270.84	50.4
41	P00736	Complement C1r subcomponent	262.87	80.1
42	Q86UX7	Fermitin family homolog 3	261.23	75.9
43	P05155	Plasma protease C1 inhibitor	260.92	55.1
44	P07996	Thrombospondin-1	259.75	129.3
45	P05109	Protein S100-A8	248.67	10.8
46	P02656	Apolipoprotein C-III	248.43	10.8
47	P05546	Heparin cofactor 2	229.58	57.0
48	A5A3E0	POTE ankyrin domain family member F	229.11	121.4
49	Q6S8J3	POTE ankyrin domain family member E	229.11	121.3
50	P0C0L5	Complement C4-B	228.37	192.6
51	P02652	Apolipoprotein A-II	228.18	11.2
52	P68871	Hemoglobin subunit beta	228.02	16.0
53	P00739	Haptoglobin-related protein	218.85	39.0
54	P0C0L4	Complement C4-A	212.12	192.7
55	P01857	Ig gamma-1 chain C region	202.70	36.1
56	P01859	Ig gamma-2 chain C region	201.50	35.9
57	P02786	Transferrin receptor protein 1	200.55	84.8
58	Q562R1	Beta-actin-like protein 2	198.53	42.0
59	A0M8Q6	Ig lambda-7 chain C region	196.14	11.3
60	P0CF74	Ig lambda-6 chain C region	196.14	11.3
61	P0CG06	Ig lambda-3 chain C regions	196.14	11.2
62	P0CG05	Ig lambda-2 chain C regions	196.14	11.3
63	P0CG39	POTE ankyrin domain family	190.94	117.3

		member J		
64	P0CG38	POTE ankyrin domain family member I	190.94	121.2
65	P02751	Fibronectin	187.70	262.5
66	Q13201	Multimerin-1	186.76	138.0
67	Q9BYX7	Putative beta-actin-like protein 3	185.39	42.0
68	P01623	Ig kappa chain V-III region WOL	183.10	11.7
69	P01620	Ig kappa chain V-III region SIE	183.10	11.8
70	Q9UHG3	Prenylcysteine oxidase 1	178.67	56.6
71	B9A064	Immunoglobulin lambda-like polypeptide 5	176.89	23.0
72	P18428	Lipopolysaccharide-binding protein	176.36	53.3
73	P01860	Ig gamma-3 chain C region	168.07	41.3
74	Q13790	Apolipoprotein F	165.37	35.4
75	P55058	Phospholipid transfer protein	163.73	54.7
76	Q9HDC9	Adipocyte plasma membrane-associated protein	163.15	46.5
77	P27105	Erythrocyte band 7 integral membrane protein	157.56	31.7
78	P0CG04	Ig lambda-1 chain C regions	153.37	11.3
79	P18136	Ig kappa chain V-III region HIC	152.54	14.1
80	P18135	Ig kappa chain V-III region HAH	152.54	14.1
81	P08514	Integrin alpha-IIb	151.96	113.3
82	P01019	Angiotensinogen	144.91	53.1
83	P30043	Flavin reductase (NADPH)	139.92	22.1
84	P01622	Ig kappa chain V-III region Ti	139.67	11.8
85	P04206	Ig kappa chain V-III region GOL	139.67	11.8
86	P04406	Glyceraldehyde-3-phosphate dehydrogenase	136.98	36.0
87	P01009	Alpha-1-antitrypsin	136.48	46.7
88	P00738	Haptoglobin	136.12	45.2
89	P09871	Complement C1s subcomponent	135.55	76.6
90	P61224	Ras-related protein Rap-1b	132.61	20.8
91	P62834	Ras-related protein Rap-1A	132.61	21.0
92	Q4G0X9	Coiled-coil domain-containing	125.62	130.0

		protein 40		
93	P02655	Apolipoprotein C-II	123.40	11.3
94	P10720	Platelet factor 4 variant	122.13	11.5
95	P02776	Platelet factor 4	122.13	10.8
96	O00187	Mannan-binding lectin serine protease 2	121.99	75.7
97	P08519	Apolipoprotein(a)	121.43	501.0
98	Q15166	Serum paraoxonase/lactonase 3	116.02	39.6
99	P02760	Protein AMBP	110.88	39.0
100	P29622	Kallistatin	107.19	48.5
101	P35858	Insulin-like growth factor-binding protein complex acid labile subunit	106.72	66.0
102	Q14315	Filamin-C	106.19	290.8
103	O75369	Filamin-B	106.19	278.0
104	O00299	Chloride intracellular channel protein 1	105.26	26.9
105	Q15485	Ficolin-2	103.70	34.0
106	P35580	Myosin-10	99.71	228.9
107	Q9HBI1	Beta-parvin	98.89	41.7
108	P68366	Tubulin alpha-4A chain	96.76	49.9
109	P14618	Pyruvate kinase PKM	95.95	57.9
110	P01766	Ig heavy chain V-III region BRO	92.68	13.2
111	P01777	Ig heavy chain V-III region TEI	90.74	12.8
112	Q96KN2	Beta-Ala-His dipeptidase	86.53	56.7
113	P02790	Hemopexin	85.83	51.6
114	P02042	Hemoglobin subunit delta	85.50	16.0
115	P01610	Ig kappa chain V-I region WEA	84.09	11.8
116	P80362	Ig kappa chain V-I region WAT	84.09	11.7
117	P01609	Ig kappa chain V-I region Scw	84.09	11.8
118	P01608	Ig kappa chain V-I region Roy	84.09	11.8
119	P01607	Ig kappa chain V-I region Rei	84.09	11.9
120	P01606	Ig kappa chain V-I region OU	84.09	11.8
121	P01600	Ig kappa chain V-I region Hau	84.09	11.7
122	P01599	Ig kappa chain V-I region Gal	84.09	11.8
123	P01597	Ig kappa chain V-I region DEE	84.09	11.7

124	P01594	Ig kappa chain V-I region AU	84.09	11.9
125	P01593	Ig kappa chain V-I region AG	84.09	12.0
126	P13224	Platelet glycoprotein Ib beta chain	83.33	21.7
127	P69905	Hemoglobin subunit alpha	83.06	15.2
128	P01861	Ig gamma-4 chain C region	79.60	35.9
129	P61204	ADP-ribosylation factor 3	78.24	20.6
130	P84077	ADP-ribosylation factor 1	78.24	20.7
131	Q9BQE3	Tubulin alpha-1C chain	76.48	49.9
132	P68363	Tubulin alpha-1B chain	76.48	50.1
133	Q71U36	Tubulin alpha-1A chain	76.48	50.1
134	P06396	Gelsolin	76.03	85.6
135	Q9NRW1	Ras-related protein Rab-6B	74.92	23.4
136	P20340	Ras-related protein Rab-6A	74.92	23.6
137	P61026	Ras-related protein Rab-10	74.67	22.5
138	P15169	Carboxypeptidase N catalytic chain	74.46	52.3
139	P12830	Cadherin-1	73.97	97.4
140	P02741	C-reactive protein	73.89	25.0
141	A6NIZ1	Ras-related protein Rap-1b-like protein	72.29	20.9
142	P02654	Apolipoprotein C-I	72.09	9.3
143	O75636	Ficolin-3	72.09	32.9
144	Q7Z406	Myosin-14	72.03	227.7
145	P35749	Myosin-11	72.03	227.2
146	P08107	Heat shock 70 kDa protein 1A/1B	70.81	70.0
147	P07359	Platelet glycoprotein Ib alpha chain	69.51	71.5
148	P05106	Integrin beta-3	67.94	87.0
149	P02671	Fibrinogen alpha chain	67.60	94.9
150	P48741	Putative heat shock 70 kDa protein 7	67.34	40.2
151	P54652	Heat shock-related 70 kDa protein 2	67.34	70.0
152	P11142	Heat shock cognate 71 kDa protein	67.34	70.9
153	P17066	Heat shock 70 kDa protein 6	67.34	71.0
154	P34931	Heat shock 70 kDa protein 1-like	67.34	70.3
155	O14791	Apolipoprotein L1	64.32	43.9

156	Q9H0U4	Ras-related protein Rab-1B	63.27	22.2
157	P62820	Ras-related protein Rab-1A	63.27	22.7
158	Q92928	Putative Ras-related protein Rab-1C	63.27	22.0
159	Q92930	Ras-related protein Rab-8B	63.25	23.6
160	P61006	Ras-related protein Rab-8A	63.25	23.7
161	Q15286	Ras-related protein Rab-35	63.25	23.0
162	P59190	Ras-related protein Rab-15	63.25	24.4
163	P61018	Ras-related protein Rab-4B	63.23	23.6
164	P20338	Ras-related protein Rab-4A	63.23	24.4
165	Q86YS6	Ras-related protein Rab-43	63.23	23.3
166	O95716	Ras-related protein Rab-3D	63.23	24.3
167	Q96E17	Ras-related protein Rab-3C	63.23	25.9
168	P20337	Ras-related protein Rab-3B	63.23	24.7
169	P20336	Ras-related protein Rab-3A	63.23	25.0
170	Q96DA2	Ras-related protein Rab-39B	63.23	24.6
171	Q14964	Ras-related protein Rab-39A	63.23	25.0
172	Q96AX2	Ras-related protein Rab-37	63.23	24.8
173	Q9H082	Ras-related protein Rab-33B	63.23	25.7
174	Q15771	Ras-related protein Rab-30	63.23	23.0
175	P61106	Ras-related protein Rab-14	63.23	23.9
176	Q6IQ22	Ras-related protein Rab-12	63.23	27.2
177	Q9Y4G6	Talin-2	61.04	271.4
178	P02675	Fibrinogen beta chain	61.03	55.9
179	Q8IVW1	ADP-ribosylation factor-like protein 17	59.11	19.4
180	Q969Q4	ADP-ribosylation factor-like protein 11	59.11	21.4
181	P62330	ADP-ribosylation factor 6	59.11	20.1
182	P84085	ADP-ribosylation factor 5	59.11	20.5
183	P18085	ADP-ribosylation factor 4	59.11	20.5
184	P08697	Alpha-2-antiplasmin	58.86	54.5
185	Q15907	Ras-related protein Rab-11B	58.47	24.5
186	P62491	Ras-related protein Rab-11A	58.47	24.4
187	Q9NZP8	Complement C1r subcomponent-	56.64	53.5

		like protein		
188	P59666	Neutrophil defensin 3	54.66	10.2
189	P59665	Neutrophil defensin 1	54.66	10.2
190	P63104	14-3-3 protein zeta/delta	53.75	27.7
191	P27348	14-3-3 protein theta	53.75	27.7
192	P31947	14-3-3 protein sigma	53.75	27.8
193	P61981	14-3-3 protein gamma	53.75	28.3
194	Q04917	14-3-3 protein eta	53.75	28.2
195	P62258	14-3-3 protein epsilon	53.75	29.2
196	P31946	14-3-3 protein beta/alpha	53.75	28.1
197	P80108	Phosphatidylinositol-glycan-specific phospholipase D	53.46	92.3
198	P04433	Ig kappa chain V-III region VG (Fragment)	51.96	12.6
199	P04196	Histidine-rich glycoprotein	51.38	59.5
200	P04434	Ig kappa chain V-III region VH (Fragment)	50.40	12.7
201	P01624	Ig kappa chain V-III region POM	50.40	11.9
202	P01621	Ig kappa chain V-III region NG9 (Fragment)	50.40	10.7
203	P04207	Ig kappa chain V-III region CLL	50.40	14.3
204	P01605	Ig kappa chain V-I region Lay	50.40	11.8
205	P07225	Vitamin K-dependent protein S	49.25	75.1
206	Q9UK55	Protein Z-dependent protease inhibitor	48.94	50.7
207	Q6Q788	Apolipoprotein A-V	48.90	41.2
208	P01619	Ig kappa chain V-III region B6	47.82	11.6
209	O43866	CD5 antigen-like	46.75	38.1
210	P60660	Myosin light polypeptide 6	46.24	16.9
211	P02766	Transthyretin	45.56	15.9
212	O00194	Ras-related protein Rab-27B	44.41	24.6
213	P14136	Glial fibrillary acidic protein	44.34	49.8
214	Q8TF72	Protein Shroom3	44.25	216.7
215	P11597	Cholesteryl ester transfer protein	44.15	54.7
216	Q9NY65	Tubulin alpha-8 chain	43.85	50.1

217	P61586	Transforming protein RhoA	41.09	21.8
218	P08134	Rho-related GTP-binding protein RhoC	41.09	22.0
219	P51159	Ras-related protein Rab-27A	40.88	24.9
220	Q01668	Voltage-dependent L-type calcium channel subunit alpha-1D	40.76	245.0
221	Q13936	Voltage-dependent L-type calcium channel subunit alpha-1C	40.76	248.8
222	Q92581	Sodium/hydrogen exchanger 6	40.76	74.1
223	P02787	Serotransferrin	40.75	77.0
224	P19823	Inter-alpha-trypsin inhibitor heavy chain H2	40.63	106.4
225	P12814	Alpha-actinin-1	40.62	103.0
226	O43150	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2	40.44	111.6
227	Q6PEY2	Tubulin alpha-3E chain	38.98	49.8
228	Q13748	Tubulin alpha-3C/D chain	38.98	49.9
229	P35908	Keratin, type II cytoskeletal 2 epidermal	38.49	65.4
230	Q5VZ46	Uncharacterized protein KIAA1614	38.40	126.5
231	Q5SNT2	Transmembrane protein 201	38.38	72.2
232	A6NHL2	Tubulin alpha chain-like 3	38.30	49.9
233	Q92954	Proteoglycan 4	37.62	151.0
234	Q9NPH3	Interleukin-1 receptor accessory protein	37.61	65.4
235	P69892	Hemoglobin subunit gamma-2	37.42	16.1
236	P69891	Hemoglobin subunit gamma-1	37.42	16.1
237	P02100	Hemoglobin subunit epsilon	37.42	16.2
238	P02748	Complement component C9	37.30	63.1
239	P01023	Alpha-2-macroglobulin	37.13	163.2
240	Q9HC62	Sentrin-specific protease 2	36.72	67.8
241	P02730	Band 3 anion transport protein	36.63	101.7
242	P01876	Ig alpha-1 chain C region	36.51	37.6
243	P02774	Vitamin D-binding protein	35.79	52.9

244	P22352	Glutathione peroxidase 3	35.74	25.5
245	P07951	Tropomyosin beta chain	35.58	32.8
246	P67936	Tropomyosin alpha-4 chain	35.58	28.5
247	P01825	Ig heavy chain V-II region NEWM	35.41	12.8
248	P06331	Ig heavy chain V-II region ARH-77	35.41	16.2
249	A6NMB1	Sialic acid-binding Ig-like lectin 16	34.76	53.0
250	Q8TAV4	Stomatin-like protein 3	34.44	32.1
251	P14649	Myosin light chain 6B	34.36	22.7
252	P00734	Prothrombin	33.77	70.0
253	P04275	von Willebrand factor	33.32	309.1
254	Q9H223	EH domain-containing protein 4	32.96	61.1
255	Q9NZN3	EH domain-containing protein 3	32.96	60.8
256	Q9H4M9	EH domain-containing protein 1	32.96	60.6
257	P49908	Selenoprotein P	32.87	43.2
258	P14770	Platelet glycoprotein IX	31.88	19.0
259	P06733	Alpha-enolase	31.61	47.1
260	Q16534	Hepatic leukemia factor	31.57	33.2
261	P18206	Vinculin	31.50	123.7
262	P01877	Ig alpha-2 chain C region	31.24	36.5
263	O95568	Histidine protein methyltransferase 1 homolog	30.57	42.1
264	P11021	78 kDa glucose-regulated protein	30.29	72.3
265	P35030	Trypsin-3	30.14	32.5
266	P05154	Plasma serine protease inhibitor	29.88	45.6
267	O75083	WD repeat-containing protein 1	29.63	66.2
268	Q01518	Adenylyl cyclase-associated protein 1	28.86	51.9
269	O43707	Alpha-actinin-4	28.62	104.8
270	Q08043	Alpha-actinin-3	28.62	103.2
271	P04792	Heat shock protein beta-1	28.60	22.8
272	Q03001	Dystonin	28.55	860.1
273	O95972	Bone morphogenetic protein 15	28.49	45.0
274	Q06033	Inter-alpha-trypsin inhibitor heavy chain H3	28.43	99.8
275	P78417	Glutathione S-transferase omega-1	28.24	27.5

276	O14556	Glyceraldehyde-3-phosphate dehydrogenase, testis-specific	28.16	44.5
277	Q8WUA8	Tsukushin	27.46	37.8
278	Q5SZB4	Uncharacterized protein C9orf50	27.45	47.6
279	P40123	Adenylyl cyclase-associated protein 2	27.45	52.8
280	A4D2P6	Delphinin	27.43	132.2
281	Q7Z4G4	tRNA (guanine(10)-N2)-methyltransferase homolog	27.18	53.4
282	Q5VZB9	Doublesex- and mab-3-related transcription factor A1	27.05	53.1

Table S10. Identified proteins on PPEGMA CPB.

	UniProt AC	Protein Names	MS score	MW [KDa]
1	P02768	Serum albumin	1033.25	69.3
2	P01871	Ig mu chain C region	828.51	49.3
3	P04220	Ig mu heavy chain disease protein	579.61	43.0
4	P63261	Actin, cytoplasmic 2	392.99	41.8
5	P60709	Actin, cytoplasmic 1	392.99	41.7
6	P02647	Apolipoprotein A-I	353.69	30.8
7	P08514	Integrin alpha-IIb	299.30	113.3
8	P01834	Ig kappa chain C region	249.14	11.6
9	P01859	Ig gamma-2 chain C region	230.26	35.9
10	P68133	Actin, alpha skeletal muscle	221.43	42.0
11	P68032	Actin, alpha cardiac muscle 1	221.43	42.0
12	P62736	Actin, aortic smooth muscle	211.81	42.0
13	P63267	Actin, gamma-enteric smooth muscle	211.81	41.8
14	A5A3E0	POTE ankyrin domain family member F	191.03	121.4
15	Q6S8J3	POTE ankyrin domain family member E	191.03	121.3
16	Q9Y490	Talin-1	190.79	269.6
17	P02649	Apolipoprotein E	182.14	36.1
18	P02730	Band 3 anion transport protein	179.19	101.7
19	P01857	Ig gamma-1 chain C region	172.14	36.1
20	P02656	Apolipoprotein C-III	165.32	10.8
21	P01860	Ig gamma-3 chain C region	161.03	41.3
22	P0CG38	POTE ankyrin domain family member I	151.72	121.2
23	P0CG39	POTE ankyrin domain family member J	151.72	117.3
24	P21333	Filamin-A	132.18	280.6
25	Q9BYX7	Putative beta-actin-like protein 3	119.54	42.0
26	Q562R1	Beta-actin-like protein 2	109.57	42.0
27	P07996	Thrombospondin-1	104.83	129.3
28	P02679	Fibrinogen gamma chain	103.49	51.5

29	P68871	Hemoglobin subunit beta	103.20	16.0
30	P12814	Alpha-actinin-1	93.03	103.0
31	P01861	Ig gamma-4 chain C region	91.27	35.9
32	O43707	Alpha-actinin-4	88.32	104.8
33	P14136	Glial fibrillary acidic protein	88.30	49.8
34	P35579	Myosin-9	81.83	226.4
35	Q15485	Ficolin-2	61.36	34.0
36	P69905	Hemoglobin subunit alpha	56.57	15.2
37	P02042	Hemoglobin subunit delta	56.20	16.0
38	O75636	Ficolin-3	47.73	32.9
39	Q8TF72	Protein Shroom3	46.52	216.7
40	P35580	Myosin-10	42.41	228.9
41	P02100	Hemoglobin subunit epsilon	42.07	16.2
42	P69891	Hemoglobin subunit gamma-1	42.07	16.1
43	P69892	Hemoglobin subunit gamma-2	42.07	16.1
44	P18136	Ig kappa chain V-III region HIC	39.77	14.1
45	P18135	Ig kappa chain V-III region HAH	39.77	14.1
46	P01620	Ig kappa chain V-III region SIE	39.77	11.8
47	P01623	Ig kappa chain V-III region WOL	39.77	11.7
48	P02776	Platelet factor 4	36.98	10.8
49	P05106	Integrin beta-3	36.85	87.0
50	Q9H4B7	Tubulin beta-1 chain	36.15	50.3
51	Q5SNT2	Transmembrane protein 201	35.46	72.2
52	O43150	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2	35.39	111.6
53	Q86UX7	Fermitin family homolog 3	33.36	75.9
54	A6NMB1	Sialic acid-binding Ig-like lectin 16	33.24	53.0
55	P04432	Ig kappa chain V-I region Daudi	30.84	14.2
56	P04431	Ig kappa chain V-I region Walker	30.84	14.1
57	P01601	Ig kappa chain V-I region HK101 (Fragment)	30.84	12.8
58	P01602	Ig kappa chain V-I region HK102 (Fragment)	30.84	12.8
59	P01604	Ig kappa chain V-I region Kue	30.84	12.1

60	P01610	Ig kappa chain V-I region WEA	30.84	11.8
61	P04430	Ig kappa chain V-I region BAN	30.84	11.8
62	P01598	Ig kappa chain V-I region EU	30.84	11.8
63	P01606	Ig kappa chain V-I region OU	30.84	11.8
64	P80362	Ig kappa chain V-I region WAT	30.84	11.7
65	P01600	Ig kappa chain V-I region Hau	30.84	11.7
66	P01597	Ig kappa chain V-I region DEE	30.84	11.7
67	P01611	Ig kappa chain V-I region Wes	30.84	11.6
68	Q9H5Q4	Dimethyladenosine transferase 2, mitochondrial	30.74	45.3
69	Q13201	Multimerin-1	28.45	138.0
70	P04206	Ig kappa chain V-III region GOL	27.27	11.8
71	P01622	Ig kappa chain V-III region Ti	27.27	11.8
72	P01619	Ig kappa chain V-III region B6	27.27	11.6
73	P01621	Ig kappa chain V-III region NG9 (Fragment)	27.27	10.7

Table S11. Identified proteins on PPEGMA SDPB_5%.

	UniProt AC	Protein Names	MS score	MW [KDa]
1	P02647	Apolipoprotein A-I	400.61	30.8
2	P0CG39	POTE ankyrin domain family member J	233.50	117.3
3	P0CG38	POTE ankyrin domain family member I	233.50	121.2
4	P01834	Ig kappa chain C region	209.43	11.6
5	P08514	Integrin alpha-IIb	164.89	113.3
6	P02730	Band 3 anion transport protein	143.72	101.7
7	P0CG06	Ig lambda-3 chain C regions	142.86	11.2
8	P0CG05	Ig lambda-2 chain C regions	142.86	11.3
9	P21333	Filamin-A	138.68	280.6
10	P63261	Actin, cytoplasmic 2	134.67	41.8
11	P60709	Actin, cytoplasmic 1	134.67	41.7
12	P01623	Ig kappa chain V-III region WOL	119.09	11.7
13	P01620	Ig kappa chain V-III region SIE	119.09	11.8
14	Q6S8J3	POTE ankyrin domain family member E	114.12	121.3
15	P68133	Actin, alpha skeletal muscle	114.12	42.0
16	P68032	Actin, alpha cardiac muscle 1	114.12	42.0
17	P63267	Actin, gamma-enteric smooth muscle	114.12	41.8
18	P62736	Actin, aortic smooth muscle	114.12	42.0
19	A5A3E0	POTE ankyrin domain family member F	114.12	121.4
20	P01871	Ig mu chain C region	106.06	49.3
21	Q9BYX7	Putative beta-actin-like protein 3	105.66	42.0
22	Q562R1	Beta-actin-like protein 2	105.66	42.0
23	P0CF74	Ig lambda-6 chain C region	102.56	11.3
24	B9A064	Immunoglobulin lambda-like polypeptide 5	101.18	23.0
25	P02649	Apolipoprotein E	94.01	36.1
26	P35579	Myosin-9	93.33	226.4
27	P18136	Ig kappa chain V-III region HIC	91.16	14.1

28	P18135	Ig kappa chain V-III region HAH	91.16	14.1
29	P04220	Ig mu heavy chain disease protein	90.48	43.0
30	P07996	Thrombospondin-1	86.52	129.3
31	P02768	Serum albumin	84.06	69.3
32	Q9Y490	Talin-1	83.31	269.6
33	Q86UX7	Fermitin family homolog 3	75.76	75.9
34	P12814	Alpha-actinin-1	71.04	103.0
35	P0CG04	Ig lambda-1 chain C regions	68.52	11.3
36	A0M8Q6	Ig lambda-7 chain C region	68.37	11.3
37	Q04917	14-3-3 protein eta	64.85	28.2
38	P63104	14-3-3 protein zeta/delta	64.85	27.7
39	P62258	14-3-3 protein epsilon	64.85	29.2
40	P61981	14-3-3 protein gamma	64.85	28.3
41	P31947	14-3-3 protein sigma	64.85	27.8
42	P31946	14-3-3 protein beta/alpha	64.85	28.1
43	P27348	14-3-3 protein theta	64.85	27.7
44	O43707	Alpha-actinin-4	63.92	104.8
45	P04433	Ig kappa chain V-III region VG (Fragment)	62.61	12.6
46	P02671	Fibrinogen alpha chain	55.92	94.9
47	P00739	Haptoglobin-related protein	54.20	39.0
48	P00738	Haptoglobin	54.20	45.2
49	P06396	Gelsolin	51.72	85.6
50	P04206	Ig kappa chain V-III region GOL	47.93	11.8
51	P01622	Ig kappa chain V-III region Ti	47.93	11.8
52	P01619	Ig kappa chain V-III region B6	47.33	11.6
53	P01781	Ig heavy chain V-III region GAL	43.73	12.7
54	P68371	Tubulin beta-4B chain	43.20	49.8
55	P07437	Tubulin beta chain	43.20	49.6
56	P04350	Tubulin beta-4A chain	43.20	49.6
57	P01024	Complement C3	42.54	187.0
58	P14770	Platelet glycoprotein IX	42.35	19.0
59	P01861	Ig gamma-4 chain C region	39.04	35.9
60	P01860	Ig gamma-3 chain C region	39.04	41.3
61	P01859	Ig gamma-2 chain C region	39.04	35.9

62	P01857	Ig gamma-1 chain C region	39.04	36.1
63	Q9BQE3	Tubulin alpha-1C chain	38.47	49.9
64	Q71U36	Tubulin alpha-1A chain	38.47	50.1
65	P68363	Tubulin alpha-1B chain	38.47	50.1
66	Q9H4B7	Tubulin beta-1 chain	37.73	50.3
67	Q9BVA1	Tubulin beta-2B chain	37.73	49.9
68	Q9BUF5	Tubulin beta-6 chain	37.73	49.8
69	Q3ZCM7	Tubulin beta-8 chain	37.73	49.7
70	Q13885	Tubulin beta-2A chain	37.73	49.9
71	Q13509	Tubulin beta-3 chain	37.73	50.4
72	A6NNZ2	Tubulin beta-8 chain-like protein LOC260334	37.73	49.5
73	Q8TAV4	Stomatin-like protein 3	36.10	32.1
74	P27105	Erythrocyte band 7 integral membrane protein	36.10	31.7
75	Q5SNT2	Transmembrane protein 201	34.44	72.2
76	Q08043	Alpha-actinin-3	33.54	103.2
77	P35609	Alpha-actinin-2	33.54	103.8
78	O43150	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2	30.97	111.6
79	P05106	Integrin beta-3	30.80	87.0
80	P81605	Dermcidin	30.57	11.3
81	Q5VZ46	Uncharacterized protein KIAA1614	30.37	126.5
82	O95810	Serum deprivation-response protein	29.36	47.1
83	P01621	Ig kappa chain V-III region NG9 (Fragment)	28.11	10.7
84	P01877	Ig alpha-2 chain C region	27.69	36.5
85	P01876	Ig alpha-1 chain C region	27.69	37.6

Table S12. Identified proteins on PPEGMA SDPB_1%.

	UniProt AC	Protein Names	MS score	MW [kDa]
1	P02649	Apolipoprotein E	9690.63	36.1
2	P02768	Serum albumin	7181.07	69.3
3	P04114	Apolipoprotein B-100	4098.62	515.3
4	P02647	Apolipoprotein A-I	2601.25	30.8
5	P21333	Filamin-A	1222.47	280.6
6	P06727	Apolipoprotein A-IV	1057.65	45.4
7	Q9Y490	Talin-1	986.72	269.6
8	P63261	Actin, cytoplasmic 2	815.25	41.8
9	P60709	Actin, cytoplasmic 1	815.25	41.7
10	P35579	Myosin-9	809.74	226.4
11	P01871	Ig mu chain C region	717.48	49.3
12	P01859	Ig gamma-2 chain C region	695.71	35.9
13	P02787	Serotransferrin	682.18	77.0
14	P01857	Ig gamma-1 chain C region	658.29	36.1
15	P01024	Complement C3	627.87	187.0
16	P01860	Ig gamma-3 chain C region	612.51	41.3
17	P04220	Ig mu heavy chain disease protein	593.41	43.0
18	P63267	Actin, gamma-enteric smooth muscle	470.23	41.8
19	P62736	Actin, aortic smooth muscle	470.23	42.0
20	P68133	Actin, alpha skeletal muscle	470.23	42.0
21	P68032	Actin, alpha cardiac muscle 1	470.23	42.0
22	P01834	Ig kappa chain C region	396.19	11.6
23	A5A3E0	POTE ankyrin domain family member F	382.17	121.4
24	Q6S8J3	POTE ankyrin domain family member E	382.17	121.3
25	P01023	Alpha-2-macroglobulin	340.15	163.2
26	P01861	Ig gamma-4 chain C region	318.97	35.9
27	Q9BYX7	Putative beta-actin-like protein 3	303.80	42.0
28	Q562R1	Beta-actin-like protein 2	276.15	42.0
29	P0CG39	POTE ankyrin domain family member J	268.01	117.3

30	P0CG38	POTE ankyrin domain family member I	268.01	121.2
31	P02751	Fibronectin	193.88	262.5
32	P08514	Integrin alpha-IIb	190.28	113.3
33	P02679	Fibrinogen gamma chain	188.01	51.5
34	P27169	Serum paraoxonase/arylesterase 1	184.73	39.7
35	P68871	Hemoglobin subunit beta	181.88	16.0
36	P35542	Serum amyloid A-4 protein	175.15	14.7
37	P00738	Haptoglobin	173.38	45.2
38	P02790	Hemopexin	171.48	51.6
39	P10909	Clusterin	169.87	52.5
40	Q9H4B7	Tubulin beta-1 chain	138.89	50.3
41	P07996	Thrombospondin-1	136.54	129.3
42	P07359	Platelet glycoprotein Ib alpha chain	134.67	71.5
43	P05546	Heparin cofactor 2	133.90	57.0
44	P02774	Vitamin D-binding protein	128.75	52.9
45	Q7Z406	Myosin-14	120.13	227.7
46	P02671	Fibrinogen alpha chain	111.14	94.9
47	P35580	Myosin-10	106.52	228.9
48	Q4G0X9	Coiled-coil domain-containing protein 40	103.43	130.0
49	P35749	Myosin-11	103.15	227.2
50	P07951	Tropomyosin beta chain	101.58	32.8
51	P67936	Tropomyosin alpha-4 chain	101.58	28.5
52	P04004	Vitronectin	91.73	54.3
53	Q6PEY2	Tubulin alpha-3E chain	88.11	49.8
54	Q13748	Tubulin alpha-3C/D chain	88.11	49.9
55	Q9BQE3	Tubulin alpha-1C chain	88.11	49.9
56	P68363	Tubulin alpha-1B chain	88.11	50.1
57	Q71U36	Tubulin alpha-1A chain	88.11	50.1
58	Q00610	Clathrin heavy chain 1	87.96	191.5
59	P02760	Protein AMBP	84.85	39.0
60	P05090	Apolipoprotein D	84.23	21.3
61	P01623	Ig kappa chain V-III region WOL	82.77	11.7
62	P01622	Ig kappa chain V-III region Ti	82.77	11.8

63	P01620	Ig kappa chain V-III region SIE	82.77	11.8
64	P04206	Ig kappa chain V-III region GOL	82.77	11.8
65	P01619	Ig kappa chain V-III region B6	82.77	11.6
66	P05106	Integrin beta-3	75.25	87.0
67	P01009	Alpha-1-antitrypsin	74.49	46.7
68	Q15485	Ficolin-2	73.58	34.0
69	Q66K66	Transmembrane protein 198	73.13	39.4
70	Q9BUF5	Tubulin beta-6 chain	72.77	49.8
71	Q13509	Tubulin beta-3 chain	72.77	50.4
72	O95445	Apolipoprotein M	70.66	21.2
73	P68366	Tubulin alpha-4A chain	70.01	49.9
74	Q96PD5	N-acetylmuramoyl-L-alanine amidase	68.60	62.2
75	P02652	Apolipoprotein A-II	66.81	11.2
76	P55056	Apolipoprotein C-IV	64.71	14.5
77	P04433	Ig kappa chain V-III region VG (Fragment)	64.47	12.6
78	P08519	Apolipoprotein(a)	63.28	501.0
79	Q15166	Serum paraoxonase/lactonase 3	62.80	39.6
80	P01876	Ig alpha-1 chain C region	61.33	37.6
81	P19823	Inter-alpha-trypsin inhibitor heavy chain H2	61.22	106.4
82	P06396	Gelsolin	57.68	85.6
83	A6NNZ2	Tubulin beta-8 chain-like protein LOC260334	57.55	49.5
84	Q3ZCM7	Tubulin beta-8 chain	57.55	49.7
85	P68371	Tubulin beta-4B chain	57.55	49.8
86	P04350	Tubulin beta-4A chain	57.55	49.6
87	Q9BVA1	Tubulin beta-2B chain	57.55	49.9
88	Q13885	Tubulin beta-2A chain	57.55	49.9
89	P07437	Tubulin beta chain	57.55	49.6
90	P02730	Band 3 anion transport protein	54.86	101.7
91	B9A064	Immunoglobulin lambda-like polypeptide 5	54.80	23.0
92	P12814	Alpha-actinin-1	54.09	103.0

93	P02042	Hemoglobin subunit delta	53.62	16.0
94	Q14624	Inter-alpha-trypsin inhibitor heavy chain H4	53.17	103.3
95	P14770	Platelet glycoprotein IX	52.15	19.0
96	P69892	Hemoglobin subunit gamma-2	51.96	16.1
97	P69891	Hemoglobin subunit gamma-1	51.96	16.1
98	P02100	Hemoglobin subunit epsilon	51.96	16.2
99	P01877	Ig alpha-2 chain C region	51.52	36.5
100	O95568	Histidine protein methyltransferase 1 homolog	50.34	42.1
101	P35030	Trypsin-3	50.01	32.5
102	P69905	Hemoglobin subunit alpha	48.62	15.2
103	P02675	Fibrinogen beta chain	48.29	55.9
104	P16671	Platelet glycoprotein 4	48.27	53.0
105	Q9Y4G6	Talin-2	45.18	271.4
106	P0C0L5	Complement C4-B	45.12	192.6
107	P18428	Lipopolysaccharide-binding protein	44.75	53.3
108	Q5VZB9	Doublesex- and mab-3-related transcription factor A1	43.85	53.1
109	O43707	Alpha-actinin-4	42.87	104.8
110	Q08043	Alpha-actinin-3	42.87	103.2
111	Q86UX7	Fermitin family homolog 3	42.37	75.9
112	Q8TAV4	Stomatin-like protein 3	42.32	32.1
113	P27105	Erythrocyte band 7 integral membrane protein	42.32	31.7
114	P0C0L4	Complement C4-A	42.10	192.7
115	P20742	Pregnancy zone protein	41.98	163.8
116	Q14315	Filamin-C	40.00	290.8
117	O75369	Filamin-B	40.00	278.0
118	P60660	Myosin light polypeptide 6	39.14	16.9
119	P18206	Vinculin	37.33	123.7
120	A0M8Q6	Ig lambda-7 chain C region	37.24	11.3
121	P0CF74	Ig lambda-6 chain C region	37.24	11.3
122	P0CG06	Ig lambda-3 chain C regions	37.24	11.2
123	P0CG05	Ig lambda-2 chain C regions	37.24	11.3

124	O43150	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2	37.15	111.6
125	P63104	14-3-3 protein zeta/delta	36.05	27.7
126	P27348	14-3-3 protein theta	36.05	27.7
127	P31947	14-3-3 protein sigma	36.05	27.8
128	P61981	14-3-3 protein gamma	36.05	28.3
129	Q04917	14-3-3 protein eta	36.05	28.2
130	P62258	14-3-3 protein epsilon	36.05	29.2
131	P31946	14-3-3 protein beta/alpha	36.05	28.1
132	P01617	Ig kappa chain V-II region TEW	34.50	12.3
133	P06310	Ig kappa chain V-II region RPMI 6410	34.50	14.7
134	P01616	Ig kappa chain V-II region MIL	34.50	12.0
135	P06309	Ig kappa chain V-II region GM607 (Fragment)	34.50	12.7
136	P01614	Ig kappa chain V-II region Cum	34.50	12.7
137	O76021	Ribosomal L1 domain-containing protein 1	33.35	54.9
138	Q96CV9	Optineurin	33.35	65.9
139	Q5QP74	Putative uncharacterized protein C10orf115	32.20	10.3
140	Q9UHC1	DNA mismatch repair protein Mlh3	31.97	163.6
141	Q13201	Multimerin-1	31.91	138.0
142	P04003	C4b-binding protein alpha chain	31.90	67.0
143	P35858	Insulin-like growth factor-binding protein complex acid labile subunit	30.92	66.0
144	Q5VZ46	Uncharacterized protein KIAA1614	30.66	126.5
145	P01777	Ig heavy chain V-III region TEI	30.47	12.8
146	P01766	Ig heavy chain V-III region BRO	30.47	13.2
147	P02549	Spectrin alpha chain, erythrocytic 1	30.25	279.8
148	Q9NPH3	Interleukin-1 receptor accessory protein	29.38	65.4
149	P00488	Coagulation factor XIII A chain	28.00	83.2
150	P01042	Kininogen-1	27.78	71.9

151	Q16534	Hepatic leukemia factor	27.56	33.2
152	P35442	Thrombospondin-2	27.34	129.9