

# **SUPPLEMENTAL MATERIAL**

**Table S1. Summary of the average total-run (i.e. intra-run plus inter-run) % coefficients of variation (%CVs) for 1129 proteins measured by modified aptamers in EDTA plasma across 3 runs, each run performed by a different laboratory technician.**

<b>Percentile of protein targets</b>	<b>Total-Run %CV</b>
<b>5%</b>	<b>≤ 2.4%</b>
<b>25%</b>	<b>≤ 3.1%</b>
<b>50%</b>	<b>≤ 3.9%</b>
<b>75%</b>	<b>≤ 5.0%</b>
<b>95%</b>	<b>≤ 10.5%</b>

The average was computed from three individual samples performed in triplicate on each run.

**Table S2. Spearman rho correlations between eGFR (CKD-EPI 2009) and plasma concentrations of 1054 proteins measured.**

Protein	UniProt ID	Spearman rho	p-value	Molecular Weight (kDa)
Cystatin-C	P01034	-0.74	1.12x10 <sup>-163</sup>	15.799
Insulin-like growth factor-binding protein 6	P24592	-0.7	2.86x10 <sup>-138</sup>	25.322
Tumor necrosis factor receptor superfamily member 1A	P19438	-0.65	2.51x10 <sup>-114</sup>	50.495
Neuroblastoma suppressor of tumorigenicity 1	P41271	-0.64	2.29x10 <sup>-109</sup>	23.169
Beta-2-microglobulin	P61769	-0.63	1.11x10 <sup>-102</sup>	13.715
Tumor necrosis factor receptor superfamily member 19L	Q969Z4	-0.62	1.01x10 <sup>-100</sup>	46.092
Cathepsin H	P09668	-0.61	1.51x10 <sup>-95</sup>	37.394
Follistatin-related protein 3	O95633	-0.58	7.07x10 <sup>-87</sup>	27.663
Endothelial cell-selective adhesion molecule	Q96AP7	-0.58	4.98x10 <sup>-86</sup>	15.170
Adapter molecule crk	P46108	-0.58	2.86x10 <sup>-85</sup>	33.831
Cerebral dopamine neurotrophic factor	Q49AH0	-0.57	3.10x10 <sup>-81</sup>	20.964
RGM domain family member B	Q6NW40	-0.54	1.43x10 <sup>-73</sup>	47.547
Ephrin-A5	P52803	-0.53	3.39x10 <sup>-70</sup>	26.297
Trefoil factor 3	Q07654	-0.53	6.07x10 <sup>-69</sup>	8.641
Tumor necrosis factor receptor superfamily member 27	Q9HAV5	-0.53	1.33x10 <sup>-67</sup>	32.759
Endostatin	P39060	-0.52	1.03x10 <sup>-66</sup>	178.188
Ephrin-A4	P52798	-0.52	3.27x10 <sup>-66</sup>	22.386
Netrin receptor UNC5C	O95185	-0.51	1.43x10 <sup>-64</sup>	103.146
Ephrin type-B receptor 6	O15197	-0.51	3.98x10 <sup>-64</sup>	110.700
Tumor necrosis factor receptor superfamily member 1B	P20333	-0.51	1.40x10 <sup>-63</sup>	48.291
Glutathione S-transferase P	P09211	-0.51	5.89x10 <sup>-62</sup>	23.356
C-C motif chemokine 14	Q16627	-0.5	3.76x10 <sup>-61</sup>	10.678

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Macrophage-capping protein	P40121	-0.5	6.26x10 <sup>-61</sup>	38.499
Junctional adhesion molecule B	P57087	-0.5	2.76x10 <sup>-59</sup>	33.207
Layilin	Q6UX15	-0.49	1.56x10 <sup>-57</sup>	43.108
Ephrin type-A receptor 2	P29317	-0.49	2.11x10 <sup>-57</sup>	54.305
Tyrosine-protein kinase transmembrane receptor ROR1	Q01973	-0.48	2.10x10 <sup>-56</sup>	104.283
Scavenger receptor class F member 1	Q14162	-0.47	1.69x10 <sup>-53</sup>	87.387
Fatty acid-binding protein, heart	P05413	-0.47	2.37x10 <sup>-52</sup>	14.858
Testican-2	Q92563	0.46	2.58x10 <sup>-51</sup>	46.779
Netrin receptor UNC5D	Q6UXZ4	-0.46	3.25x10 <sup>-49</sup>	105.880
Myoglobin	P02144	-0.45	4.71x10 <sup>-49</sup>	17.184
Tumor necrosis factor receptor superfamily member 19	Q9NS68	-0.45	3.70x10 <sup>-47</sup>	46.015
Elafin	P19957	-0.45	6.13x10 <sup>-47</sup>	12.270
Epidermal growth factor receptor	P00533	0.44	1.96x10 <sup>-46</sup>	134.277
Interleukin-15 receptor subunit alpha	Q13261	-0.44	8.60x10 <sup>-46</sup>	28.233
Receptor tyrosine-protein kinase erbB-3	P21860	0.43	4.03x10 <sup>-44</sup>	148.098
Metalloproteinase inhibitor 1	P01033	-0.43	4.76x10 <sup>-44</sup>	23.171
Antileukoproteinase	P03973	-0.43	1.81x10 <sup>-42</sup>	14.326
Cystatin-M	Q15828	-0.42	3.97x10 <sup>-41</sup>	16.511
Cathepsin L2	O60911	0.42	1.66x10 <sup>-40</sup>	37.329
Chordin-like protein 1	Q9BU40	-0.41	7.30x10 <sup>-40</sup>	51.168
Complement factor D	P00746	-0.41	8.38x10 <sup>-40</sup>	27.033
Coiled-coil domain-containing protein 80	Q76M96	-0.41	9.08x10 <sup>-40</sup>	10.174

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Delta-like protein 1	O00548	-0.41	1.12x10 <sup>-39</sup>	78.056
Complement decay-accelerating factor	P08174	-0.41	2.69x10 <sup>-39</sup>	41.400
Hepatitis A virus cellular receptor 2	Q8TDQ0	-0.41	1.35x10 <sup>-38</sup>	33.394
Alpha-2-antiplasmin	P08697	0.41	1.42x10 <sup>-38</sup>	54.566
Tumor necrosis factor ligand superfamily member 15	O95150	-0.4	3.90x10 <sup>-38</sup>	28.087
Neurexin-1-beta	P58400	-0.4	4.40x10 <sup>-38</sup>	50.424
Tumor necrosis factor receptor superfamily member 21	O75509	-0.4	1.62x10 <sup>-37</sup>	71.845
Ck-beta-8-1	P55773	-0.4	1.80x10 <sup>-36</sup>	13.411
Neurexin-3-beta	Q9HDB5	-0.39	5.94x10 <sup>-36</sup>	69.305
Cystatin-SA	P09228	-0.38	2.99x10 <sup>-34</sup>	16.455
Bone morphogenetic protein 1	P13497	0.38	6.44x10 <sup>-34</sup>	111.249
Kallikrein-11	Q9UBX7	-0.38	6.96x10 <sup>-34</sup>	31.059
Platelet-activating factor acetylhydrolase IB subunit beta	P68402	-0.38	1.05x10 <sup>-33</sup>	25.569
C-C motif chemokine 23	P55773	-0.38	1.05x10 <sup>-33</sup>	13.411
Macrophage metalloelastase	P39900	-0.38	1.22x10 <sup>-33</sup>	54.002
Endoplasmic reticulum resident protein 29	P30040	-0.38	1.61x10 <sup>-33</sup>	28.993
SLIT and NTRK-like protein 5	O94991	-0.38	4.63x10 <sup>-33</sup>	107.486
Transforming growth factor beta receptor type 3	Q03167	-0.38	7.66x10 <sup>-33</sup>	93.499
Insulin-like growth factor-binding protein 2	P18065	-0.37	2.00x10 <sup>-32</sup>	34.814
Vascular endothelial growth factor receptor 2	P35968	0.37	1.48x10 <sup>-31</sup>	151.527
Dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A	Q9HCR9	0.37	2.03x10 <sup>-31</sup>	104.752
Matrilysin	P09237	-0.37	4.55x10 <sup>-31</sup>	29.677

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Dual specificity mitogen-activated protein kinase kinase 2	P36507	-0.36	1.00x10 <sup>-30</sup>	44.424
Retinoic acid receptor responder protein 2	Q99969	-0.36	1.12x10 <sup>-30</sup>	18.618
Cell adhesion molecule 3	Q8N126	-0.36	1.70x10 <sup>-30</sup>	43.300
A disintegrin and metalloproteinase with thrombospondin motifs 13	Q76LX8	0.36	5.02x10 <sup>-30</sup>	153.604
Pappalysin-1	Q13219	-0.36	8.10x10 <sup>-30</sup>	180.973
Resistin	Q9HD89	-0.36	9.52x10 <sup>-30</sup>	11.419
Tissue Factor	P13726	-0.36	1.18x10 <sup>-29</sup>	33.068
Cystatin-D	P28325	-0.36	1.91x10 <sup>-29</sup>	16.080
Cell adhesion molecule-related/down-regulated by oncogenes	Q4KMG0	0.35	5.31x10 <sup>-29</sup>	139.147
Interleukin-17 receptor C	Q8NAC3	-0.35	1.30x10 <sup>-28</sup>	86.240
Cystatin-SN	P01037	-0.35	4.37x10 <sup>-28</sup>	16.388
Carbonic anhydrase 3	P07451	-0.35	6.17x10 <sup>-28</sup>	39.557
Kallikrein-8	O60259	-0.35	8.80x10 <sup>-28</sup>	28.048
Fibroblast growth factor 20	Q9NP95	0.35	1.17x10 <sup>-27</sup>	23.499
Melanoma-derived growth regulatory protein	Q16674	-0.34	2.30x10 <sup>-26</sup>	14.509
Ciliary neurotrophic factor receptor subunit alpha	P26992	-0.33	5.32x10 <sup>-26</sup>	40.633
Urokinase plasminogen activator surface receptor	Q03405	-0.33	1.17x10 <sup>-25</sup>	36.978
Tumor necrosis factor receptor superfamily member EDAR	Q9UNE0	-0.33	3.60x10 <sup>-25</sup>	48.582
Interleukin-19	Q9UHD0	0.33	5.40x10 <sup>-25</sup>	20.452
Interleukin-16	Q14005	-0.33	1.23x10 <sup>-24</sup>	141.752
Tumor necrosis factor receptor superfamily member 9	Q07011	-0.33	1.29x10 <sup>-24</sup>	27.899

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
gp41 C34 peptide, HIV	Q70626	-0.32	2.84x10 <sup>-24</sup>	96.938
Ficolin-3	O75636	0.32	4.56x10 <sup>-24</sup>	32903
Angiostatin	P00747	0.32	5.15x10 <sup>-24</sup>	90.569
Vascular endothelial growth factor A	P15692	-0.32	1.72x10 <sup>-23</sup>	27.042
Matrilin-2	O00339	-0.32	2.73x10 <sup>-23</sup>	106.837
NudC domain-containing protein 3	Q8IVD9	-0.31	7.58x10 <sup>-23</sup>	40.822
Pancreatic hormone	P01298	-0.31	1.44x10 <sup>-22</sup>	10.445
6-phosphogluconate dehydrogenase, decarboxylating	P52209	0.31	1.86x10 <sup>-22</sup>	53.140
SHC-transforming protein 1	P29353	-0.31	2.68x10 <sup>-22</sup>	62.822
Proto-oncogene tyrosine-protein kinase receptor Ret	P07949	0.31	2.80x10 <sup>-22</sup>	124.319
OX-2 membrane glycoprotein	P41217	-0.31	3.21x10 <sup>-22</sup>	31.264
Ephrin type-A receptor 1	P21709	-0.31	8.34x10 <sup>-22</sup>	108.127
Agouti-related protein	O00253	-0.31	1.16x10 <sup>-21</sup>	14.440
Ubiquitin-fold modifier-conjugating enzyme 1	Q9Y3C8	-0.3	1.88x10 <sup>-21</sup>	19.458
Neurexophilin-1	P58417	0.3	3.94x10 <sup>-21</sup>	31.082
Interleukin-18-binding protein	O95998	-0.3	9.17x10 <sup>-21</sup>	21.099
Trypsin-2	P07478	-0.3	1.04x10 <sup>-20</sup>	26.488
Platelet glycoprotein VI	Q9HCN6	-0.3	1.19x10 <sup>-20</sup>	36.866
Fibroblast growth factor receptor 1	P11362	-0.3	1.39x10 <sup>-20</sup>	91.868
Cryptic protein	P0CG37	-0.29	5.14x10 <sup>-20</sup>	24.612
Superoxide dismutase [Mn], mitochondrial	P04179	0.29	1.74x10 <sup>-19</sup>	24.750
Creatine kinase M-type:Creatine kinase B-type heterodimer	P12277 P06732	0.29	2.83x10 <sup>-19</sup>	42.644

Protein	UniProt ID	Spearman rho	p-value	Molecular Weight (kDa)
C-C motif chemokine 18	P55774	-0.29	5.46x10 <sup>-19</sup>	9.849
Junctional adhesion molecule C	Q9BX67	-0.28	8.00x10 <sup>-19</sup>	35.020
Follistatin	P19883	-0.28	2.04x10 <sup>-18</sup>	38.007
Ephrin type-B receptor 2	P29323	-0.28	2.58x10 <sup>-18</sup>	117.493
Metalloproteinase inhibitor 3	P35625	0.28	3.55x10 <sup>-18</sup>	24.145
Malate dehydrogenase, cytoplasmic	P40925	0.28	5.64x10 <sup>-18</sup>	36.426
Vascular endothelial growth factor C	P49767	-0.28	5.67x10 <sup>-18</sup>	46.883
Lysozyme C	P61626	-0.28	6.48x10 <sup>-18</sup>	16.537
Alcohol dehydrogenase [NADP(+)]	P14550	-0.28	7.46x10 <sup>-18</sup>	36.573
Aminoacylase-1	Q03154	0.28	7.65x10 <sup>-18</sup>	45.885
Phosphatidylethanolamine-binding protein 1	P30086	-0.28	8.69x10 <sup>-18</sup>	21.057
Thrombospondin-4	P35443	-0.28	8.85x10 <sup>-18</sup>	105.869
Neurogenic locus notch homolog protein 3	Q9UM47	-0.27	1.30x10 <sup>-17</sup>	243.631
Mitogen-activated protein kinase 11	Q15759	-0.27	1.41x10 <sup>-17</sup>	41.357
SLAM family member 5	Q9UIB8	-0.27	1.77x10 <sup>-17</sup>	38.782
Plasminogen	P00747	0.27	4.34x10 <sup>-17</sup>	90.569
Complement factor B	P00751	0.27	4.61x10 <sup>-17</sup>	85.533
Cathepsin Z	Q9UBR2	-0.27	6.60x10 <sup>-17</sup>	33.868
Stromelysin-1	P08254	-0.27	9.69x10 <sup>-17</sup>	53.977
Dickkopf-related protein 3	Q9UBP4	-0.27	1.52x10 <sup>-16</sup>	38.390
14-3-3 protein sigma	P31947	-0.26	2.39x10 <sup>-16</sup>	27.774
Mitogen-activated protein kinase 12	P53778	-0.26	3.64x10 <sup>-16</sup>	41.940
C-type lectin domain family 4 member M	Q9H2X3	0.26	3.75x10 <sup>-16</sup>	45.350



Protein	UniProt ID	Spearman rho	p-value	Molecular Weight (kDa)
Growth hormone receptor	P10912	0.26	4.67x10 <sup>-16</sup>	30.120
Tumor necrosis factor receptor superfamily member 4	P43489	-0.26	5.87x10 <sup>-16</sup>	29.341
Reticulon-4 receptor	Q9BZR6	-0.26	6.17x10 <sup>-16</sup>	50.708
Legumain	Q99538	0.26	1.15x10 <sup>-15</sup>	49.411
Brain-specific serine protease 4	Q9GZN4	-0.26	1.17x10 <sup>-15</sup>	33.732
Glypican-3	P51654	0.26	1.54x10 <sup>-15</sup>	65.563
Interleukin-17F	Q96PD4	-0.26	1.97x10 <sup>-15</sup>	18.045
Cadherin-3	P22223	0.26	2.13x10 <sup>-15</sup>	86.552
Fibroblast growth factor 7	P21781	-0.25	5.59x10 <sup>-15</sup>	22.509
Trypsin-1	P07477	-0.25	5.71x10 <sup>-15</sup>	26.558
Annexin A1	P04083	-0.25	6.34x10 <sup>-15</sup>	38.714
Low affinity immunoglobulin epsilon Fc receptor	P06734	-0.25	7.51x10 <sup>-15</sup>	36.469
T-cell surface glycoprotein CD4	P01730	-0.25	1.33x10 <sup>-14</sup>	51.111
Ectonucleoside triphosphate diphosphohydrolase 5	O75356	0.25	1.80x10 <sup>-14</sup>	47.517
Tumor necrosis factor receptor superfamily member 14	Q92956	-0.25	2.02x10 <sup>-14</sup>	30.392
Complement component 1 Q subcomponent-binding protein, mitochondrial	Q07021	0.24	4.71x10 <sup>-14</sup>	31.362
Afamin	P43652	0.24	6.25x10 <sup>-14</sup>	69.069
Mannan-binding lectin serine protease 1	P48740	0.24	6.32x10 <sup>-14</sup>	79.247
Periostin	Q15063	-0.24	7.65x10 <sup>-14</sup>	93.314
Ficolin-2	Q15485	0.24	8.52x10 <sup>-14</sup>	34.001
Repulsive guidance molecule A	Q96B86	-0.24	8.79x10 <sup>-14</sup>	49.347
Beta-Ala-His dipeptidase	Q96KN2	0.24	9.70x10 <sup>-14</sup>	56.706

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Mast/stem cell growth factor receptor Kit	P10721	0.24	1.34x10 <sup>-13</sup>	109.865
Gelsolin	P06396	-0.24	1.35x10 <sup>-13</sup>	85.698
Stanniocalcin-1	P52823	-0.24	1.47x10 <sup>-13</sup>	27.621
Netrin-4	Q9HB63	0.24	1.66x10 <sup>-13</sup>	70.071
Spondin-1	Q9HCB6	-0.24	1.81x10 <sup>-13</sup>	90.973
Serine/threonine-protein kinase 17B	O94768	0.24	2.66x10 <sup>-13</sup>	42.344
Prothrombin	P00734	0.24	3.02x10 <sup>-13</sup>	70.037
Testican-1	Q08629	0.23	3.67x10 <sup>-13</sup>	49.124
Protein DJ-1	Q99497	-0.23	4.90x10 <sup>-13</sup>	19.891
Cell adhesion molecule 1	Q9BY67	-0.23	4.93x10 <sup>-13</sup>	48.509
NSFL1 cofactor p47	Q9UNZ2	-0.23	5.11x10 <sup>-13</sup>	40.573
C-C motif chemokine 3	P10147	-0.23	8.05x10 <sup>-13</sup>	10.085
Glyceraldehyde-3-phosphate dehydrogenase	P04406	0.23	1.21x10 <sup>-12</sup>	36.053
Vascular endothelial growth factor receptor 3	P35916	0.23	1.34x10 <sup>-12</sup>	152.757
Natural cytotoxicity triggering receptor 1	O76036	-0.23	1.46x10 <sup>-12</sup>	34.481
Troponin I, cardiac muscle	P19429	-0.23	1.75x10 <sup>-12</sup>	24.008
Endothelial monocyte-activating polypeptide 2	Q12904	0.23	2.59x10 <sup>-12</sup>	34.353
Neuroigin-4, X-linked	Q8N0W4	-0.23	2.66x10 <sup>-12</sup>	91.915
Ubiquitin-fold modifier 1	P61960	-0.22	3.72x10 <sup>-12</sup>	9.118
Delta-like protein 4	Q9NR61	-0.22	4.38x10 <sup>-12</sup>	74.605
Interleukin-20 receptor subunit alpha	Q9UHF4	-0.22	4.70x10 <sup>-12</sup>	62.485
Dickkopf-related protein 4	Q9UBT3	-0.22	6.45x10 <sup>-12</sup>	24.876
WAP, Kazal, immunoglobulin, Kunitz and NTR domain-containing protein 2	Q8TEU8	-0.22	6.68x10 <sup>-12</sup>	63.941

Protein	UniProt ID	Spearman rho	p-value	Molecular Weight (kDa)
Pyruvate kinase PKM	P14618	0.22	8.91x10 <sup>-12</sup>	57.937
Translationally-controlled tumor protein	P13693	-0.22	1.36x10 <sup>-11</sup>	19.595
Peptide YY	P10082	-0.22	1.86x10 <sup>-11</sup>	11.145
C-C motif chemokine 27	Q9Y4X3	-0.22	2.12x10 <sup>-11</sup>	12.618
Cadherin-2	P19022	-0.22	2.33x10 <sup>-11</sup>	99.809
Aflatoxin B1 aldehyde reductase member 2	O43488	0.22	2.63x10 <sup>-11</sup>	39.589
15-hydroxyprostaglandin dehydrogenase [NAD(+)]	P15428	0.21	3.09x10 <sup>-11</sup>	28.977
Parathyroid hormone-related protein	P12272	-0.21	3.40x10 <sup>-11</sup>	20.194
Acid sphingomyelinase-like phosphodiesterase 3a	Q92484	0.21	3.50x10 <sup>-11</sup>	51.260
Plasma kallikrein	P03952	0.21	3.64x10 <sup>-11</sup>	71.370
Cyclin-dependent kinase 8:Cyclin-C complex	P49336 P24863	0.21	4.12x10 <sup>-11</sup>	53.284
Inosine-5'-monophosphate dehydrogenase 2	P12268	0.21	5.67x10 <sup>-11</sup>	55.805
Glucagon	P01275	-0.21	6.32x10 <sup>-11</sup>	20.909
Ephrin type-A receptor 5	P54756	-0.21	6.50x10 <sup>-11</sup>	114.803
Hemojuvelin	Q6ZVN8	-0.21	6.54x10 <sup>-11</sup>	45.080
Dipeptidyl peptidase 2	Q9UHL4	0.21	6.57x10 <sup>-11</sup>	54.341
Drebrin-like protein	Q9UJU6	0.21	6.58x10 <sup>-11</sup>	48.207
A disintegrin and metalloproteinase with thrombospondin motifs 5	Q9UNA0	-0.21	7.24x10 <sup>-11</sup>	101.718
Eukaryotic translation initiation factor 4 gamma 2	P78344	-0.21	1.03x10 <sup>-10</sup>	102.362
NADPH--cytochrome P450 reductase	P16435	0.21	1.16x10 <sup>-10</sup>	76.690
Carbonic anhydrase-related protein 10	Q9NS85	0.21	1.38x10 <sup>-10</sup>	37.563

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Tyrosine-protein phosphatase non-receptor type 1	P18031	0.21	1.39x10 <sup>-10</sup>	49.967
Programmed cell death 1 ligand 2	Q9BQ51	-0.21	1.44x10 <sup>-10</sup>	30.957
Tyrosine-protein kinase Yes	P07947	-0.21	1.61x10 <sup>-10</sup>	60.801
CD48 antigen	P09326	-0.21	2.28x10 <sup>-10</sup>	19.429
Alpha-2-HS-glycoprotein	P02765	0.21	2.30x10 <sup>-10</sup>	39.325
C-C motif chemokine 16	O15467	-0.2	2.40x10 <sup>-10</sup>	13.600
Coagulation factor Xa	P00742	0.2	2.52x10 <sup>-10</sup>	54.732
Creatine kinase M-type	P06732	0.2	2.94x10 <sup>-10</sup>	43.101
SPARC	P09486	0.2	3.00x10 <sup>-10</sup>	34.632
Lymphotoxin alpha2:beta1	P01374, Q06643	0.2	3.24x10 <sup>-10</sup>	22.297
Sialic acid-binding Ig-like lectin 14	Q08ET2	-0.2	3.43x10 <sup>-10</sup>	43.970
C-X-C motif chemokine 5	P42830	0.2	6.05x10 <sup>-10</sup>	11.972
Thrombospondin-2	P35442	-0.2	1.01x10 <sup>-09</sup>	129.991
Complement factor I	P05156	0.2	1.10x10 <sup>-09</sup>	65.750
Insulin-like growth factor-binding protein 1	P08833	-0.2	1.13x10 <sup>-09</sup>	27.904
Adenylate kinase isoenzyme 1	P00568	0.2	1.18x10 <sup>-09</sup>	21.635
Thyroid Stimulating Hormone	P01215 P01222	-0.2	1.40x10 <sup>-09</sup>	13.075
Ras-related C3 botulinum toxin substrate 1	P63000	0.2	1.73x10 <sup>-09</sup>	21.450
Vitamin K-dependent protein C	P04070	0.2	1.74x10 <sup>-09</sup>	52.071
Dickkopf-like protein 1	Q9UK85	0.19	2.19x10 <sup>-09</sup>	27.007
Protein kinase B alpha/beta/gamma	Family	0.19	2.62x10 <sup>-09</sup>	55.059
cGMP-dependent 3',5'-cyclic phosphodiesterase	O00408	0.19	2.90x10 <sup>-09</sup>	105.717
Collectin-11	Q9BWP8	0.19	3.13x10 <sup>-09</sup>	28.665

Protein	UniProt ID	Spearman rho	p-value	Molecular Weight (kDa)
Serine/threonine-protein kinase PAK 7	Q9P286	0.19	3.43x10 <sup>-09</sup>	80.745
Complement factor H	P08603	0.19	3.69x10 <sup>-09</sup>	1.231
Cytochrome P450 3A4	P08684	0.19	3.70x10 <sup>-09</sup>	57.343
Neurogenic locus notch homolog protein 1	P46531	0.19	4.83x10 <sup>-09</sup>	272.505
Transketolase	P29401	0.19	4.85x10 <sup>-09</sup>	67.878
Calcium/calmodulin-dependent protein kinase type 1D	Q8IU85	0.19	5.09x10 <sup>-09</sup>	42.914
alpha-2-macroglobulin receptor-associated protein	P30533	0.19	5.41x10 <sup>-09</sup>	41.466
Angiotensin-related protein 4	Q9BY76	-0.19	5.66x10 <sup>-09</sup>	45.214
Plexin-C1	O60486	0.19	5.73x10 <sup>-09</sup>	175.742
Serine protease HTRA2, mitochondrial	O43464	-0.19	7.39x10 <sup>-09</sup>	48.841
Glycylpeptide N-tetradecanoyltransferase 1	P30419	0.19	7.56x10 <sup>-09</sup>	56.806
Stress-induced-phosphoprotein 1	P31948	0.19	7.87x10 <sup>-09</sup>	62.639
14-3-3 protein family	P31946, P62258, P61981, Q04917, P27348, P63104, P31947	-0.19	8.18x10 <sup>-09</sup>	28.082
Limbic system-associated membrane protein	Q13449	-0.19	1.02x10 <sup>-08</sup>	37.393
Probable G-protein coupled receptor 114	Q8IZF4	0.19	1.04x10 <sup>-08</sup>	59.000
Protein disulfide-isomerase A3	P30101	0.19	1.16x10 <sup>-08</sup>	56.782
Tartrate-resistant acid phosphatase type 5	P13686	0.18	1.19x10 <sup>-08</sup>	36.599
E-Selectin	P16581	0.18	1.30x10 <sup>-08</sup>	66.655
Triosephosphate isomerase	P60174	0.18	1.31x10 <sup>-08</sup>	30.791

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Ectonucleotide pyrophosphatase/phosphodiesterase family member 7	Q6UWV6	0.18	1.42x10 <sup>-08</sup>	51.494
Chymase	P23946	0.18	1.60x10 <sup>-08</sup>	27.325
Sialic acid-binding Ig-like lectin 7	Q9Y286	0.18	1.84x10 <sup>-08</sup>	51.143
Alanine aminotransferase 1	P24298	0.18	2.56x10 <sup>-08</sup>	54.637
Thrombin	00734	0.18	3.30x10 <sup>-08</sup>	70.300
Kin of IRRE-like protein 3	Q8IZU9	-0.18	3.44x10 <sup>-08</sup>	85.255
Casein kinase II subunit alpha	P68400	0.18	3.84x10 <sup>-08</sup>	45.144
NKG2-D type II integral membrane protein	P26718	-0.18	4.09x10 <sup>-08</sup>	25.274
B-cell receptor CD22	P20273	0.18	4.41x10 <sup>-08</sup>	95.348
Fibroblast growth factor 19	O95750	-0.18	4.56x10 <sup>-08</sup>	24.003
Platelet endothelial cell adhesion molecule	P16284	0.18	4.91x10 <sup>-08</sup>	82.522
Proliferation-associated protein 2G4	Q9UQ80	0.18	4.99x10 <sup>-08</sup>	43.787
Aurora kinase B	Q96GD4	0.18	5.37x10 <sup>-08</sup>	39.311
Hepatoma-derived growth factor-related protein 2	Q7Z4V5	-0.18	5.83x10 <sup>-08</sup>	74.317
AH receptor-interacting protein	O00170	0.17	7.26x10 <sup>-08</sup>	37.636
Cytokine receptor common subunit gamma	P31785	0.17	7.61x10 <sup>-08</sup>	42.287
Intercellular adhesion molecule 1	P05362	0.17	7.98x10 <sup>-08</sup>	57.825
Stabilin-2	Q8WWQ8	0.17	8.57x10 <sup>-08</sup>	276.988
Corticosteroid-binding globulin	P08185	0.17	9.70x10 <sup>-08</sup>	45.141
Kallikrein-14	Q9P0G3	0.17	1.01x10 <sup>-07</sup>	29.122
Advanced glycosylation end product-specific receptor, soluble	Q15109	-0.17	1.02x10 <sup>-07</sup>	42.803
Fibroblast growth factor 9	P31371	0.17	1.04x10 <sup>-07</sup>	23.441

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Rab GDP dissociation inhibitor beta	P50395	0.17	1.04x10 <sup>-07</sup>	50.663
Interleukin-4	P05112	0.17	1.13x10 <sup>-07</sup>	17.492
Natural cytotoxicity triggering receptor 3	O14931	-0.17	1.15x10 <sup>-07</sup>	21.593
GTP-binding nuclear protein Ran	P62826	0.17	1.23x10 <sup>-07</sup>	24.423
C-C motif chemokine 3-like 1	P16619	-0.17	1.37x10 <sup>-07</sup>	10.161
Kunitz-type protease inhibitor 2	O43291	-0.17	1.39x10 <sup>-07</sup>	28.228
Fetuin-B	Q9UGM5	0.17	1.96x10 <sup>-07</sup>	42.055
Galectin-3-binding protein	Q08380	0.17	2.13x10 <sup>-07</sup>	65.331
Seprase	Q12884	0.17	2.16x10 <sup>-07</sup>	87.713
Complement component C9	P02748	-0.17	2.25x10 <sup>-07</sup>	63.173
Eotaxin	P51671	-0.17	2.36 x10 <sup>-07</sup>	10.732
C-X-C motif chemokine 13	O43927	-0.17	2.67x10 <sup>-07</sup>	12.664
Insulin-like growth factor-binding protein 5	P24593	-0.17	3.06x10 <sup>-07</sup>	30.570
dCTP pyrophosphatase 1	Q9H773	-0.17	3.38x10 <sup>-07</sup>	18.681
Renin	P00797	-0.17	3.39x10 <sup>-07</sup>	45.057
Interleukin-27	Q8NEV9 Q14213	-0.16	3.97x10 <sup>-07</sup>	27.493
UMP-CMP kinase	P30085	0.16	4.13x10 <sup>-07</sup>	22.222
C-X-C motif chemokine 10	P02778	-0.16	4.52x10 <sup>-07</sup>	10.881
Mammaglobin-B	O75556	0.16	5.01x10 <sup>-07</sup>	10.884
Serine/threonine-protein kinase Chk1	O14757	0.16	5.05x10 <sup>-07</sup>	54.434
DNA topoisomerase 1	P11387	0.16	5.06x10 <sup>-07</sup>	90.726
Prostaglandin G/H synthase 2	P35354	0.16	5.20x10 <sup>-07</sup>	68.996
Cyclin-dependent kinase 2:Cyclin-A2 complex	P24941 P20248	0.16	5.31x10 <sup>-07</sup>	33.930

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Heat shock 70 kDa protein 1A/1B	P08107	-0.16	5.46x10 <sup>-07</sup>	70.052
Peptidyl-prolyl cis-trans isomerase D	Q08752	0.16	5.64x10 <sup>-07</sup>	40.764
C-C motif chemokine 7	P80098	-0.16	6.47x10 <sup>-07</sup>	11.200
Proto-oncogene tyrosine-protein kinase Src	P12931	0.16	6.75x10 <sup>-07</sup>	59.835
Cytoskeleton-associated protein 2	Q8WWK9	0.16	6.83x10 <sup>-07</sup>	76.897
Muellerian-inhibiting factor	P03971	0.16	7.04x10 <sup>-07</sup>	59.195
Interleukin-37	Q9NZH6	0.16	7.17x10 <sup>-07</sup>	24.126
Brain natriuretic peptide 32	P16860	-0.16	7.75x10 <sup>-07</sup>	14.726
Polymeric immunoglobulin receptor	P01833	0.16	8.71x10 <sup>-07</sup>	83.284
Plasminogen activator inhibitor 1	P05121	0.16	9.10x10 <sup>-07</sup>	45.060
Fibroblast growth factor 8 isoform B	P55075	0.16	9.30x10 <sup>-07</sup>	26.525
Tyrosine-protein kinase BTK	Q06187	0.16	9.64x10 <sup>-07</sup>	76.281
Vascular cell adhesion protein 1	P19320	-0.16	9.90x10 <sup>-07</sup>	81.276
COMM domain-containing protein 7	Q86VX2	0.16	1.02x10 <sup>-06</sup>	22.540
Coagulation Factor V	P12259	0.16	1.22x10 <sup>-06</sup>	251.703
Tryptase beta-2	P20231	-0.16	1.24x10 <sup>-06</sup>	30.515
Small glutamine-rich tetratricopeptide repeat-containing protein alpha	O43765	0.16	1.31x10 <sup>-06</sup>	34.063
Stromal cell-derived factor 1	P48061	-0.16	1.34x10 <sup>-06</sup>	10.666
Prolactin receptor	P16471	-0.16	1.40x10 <sup>-06</sup>	69.506
Antithrombin-III	P01008	0.16	1.41x10 <sup>-06</sup>	52.602
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1	P19174	0.16	1.55x10 <sup>-06</sup>	148.532



<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Interleukin-12	P29459, P29460	0.16	1.73x10 <sup>-06</sup>	24.874
Lymphocyte activation gene 3 protein	P18627	-0.16	1.81x10 <sup>-06</sup>	57.449
Heterogeneous nuclear ribonucleoprotein Q	O60506	0.15	1.99x10 <sup>-06</sup>	69.603
Transcription factor IIIB 90 kDa subunit	Q92994	0.15	2.02x10 <sup>-06</sup>	73.840
Calcineurin subunit B type 1	P63098	0.15	2.12x10 <sup>-06</sup>	19.300
Interferon gamma	P01579	0.15	2.21x10 <sup>-06</sup>	19.348
Matrix metalloproteinase-9	P14780	0.15	2.36x10 <sup>-06</sup>	78.458
C-C motif chemokine 5	P13501	0.15	2.64x10 <sup>-06</sup>	9.990
Kynureninase	Q16719	0.15	2.70x10 <sup>-06</sup>	52.325
Contactin-4	Q8I WV2	0.15	2.87x10 <sup>-06</sup>	113.454
Serine/threonine-protein kinase 16	O75716	0.15	2.93x10 <sup>-06</sup>	34.656
CD5 antigen-like	O43866	-0.15	2.98x10 <sup>-06</sup>	38.088
Tumor necrosis factor ligand superfamily member 11	O14788	0.15	3.03x10 <sup>-06</sup>	35.478
Arginase-1	P05089	0.15	3.14x10 <sup>-06</sup>	34.735
Neutral ceramidase	Q9NR71	0.15	3.55x10 <sup>-06</sup>	85.516
Nucleoside diphosphate kinase B	P22392	0.15	3.71x10 <sup>-06</sup>	17.298
Cardiotrophin-1	Q16619	-0.15	3.78x10 <sup>-06</sup>	21.227
Interleukin-13 receptor subunit alpha-1	P78552	-0.15	3.85x10 <sup>-06</sup>	48.760
Tyrosine-protein kinase receptor Tie-1, soluble	P35590	0.15	3.87x10 <sup>-06</sup>	125.090
Bone sialoprotein 2	P21815	-0.15	4.03x10 <sup>-06</sup>	35.148
beta-adrenergic receptor kinase 1	P25098	0.15	4.03x10 <sup>-06</sup>	79.574
Copine-1	Q99829	0.15	4.08x10 <sup>-06</sup>	59.059

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Tyrosine-protein phosphatase non-receptor type 11	Q06124	-0.15	4.27x10 <sup>-06</sup>	68.436
RNA-binding protein 39	Q14498	-0.15	4.45x10 <sup>-06</sup>	59.380
Kininogen-1	P01042	0.15	4.66x10 <sup>-06</sup>	71.957
Prostate-specific antigen	P07288	-0.15	4.81x10 <sup>-06</sup>	28.741
Cytokine receptor-like factor 2	Q9HC73	0.15	5.20x10 <sup>-06</sup>	42.013
Mitogen-activated protein kinase 14	Q16539	0.15	5.27x10 <sup>-06</sup>	41.293
Extracellular matrix protein 1	Q16610	0.15	5.69x10 <sup>-06</sup>	60.674
Casein kinase II 2-alpha:2-beta heterotetramer	P68400 P67870	0.15	6.07x10 <sup>-06</sup>	45.144
Protein FAM107B	Q9H098	0.15	6.17x10 <sup>-06</sup>	15.558
Calpastatin	P20810	0.15	6.67x10 <sup>-06</sup>	76.573
Tyrosine-protein kinase CSK	P41240	0.15	6.67x10 <sup>-06</sup>	50.704
Endothelial cell-specific molecule 1	Q9NQ30	-0.15	6.79x10 <sup>-06</sup>	20.095
Heat shock protein HSP 90-alpha/beta	P07900 P08238	0.15	6.81x10 <sup>-06</sup>	84.660
Complement C1s subcomponent	P09871	0.15	7.05x10 <sup>-06</sup>	76.684
Cyclin-dependent kinase 5:Cyclin-dependent kinase 5 activator 1 complex	Q00535 Q15078	0.15	7.23x10 <sup>-06</sup>	33.304
Glutamate carboxypeptidase 2	Q04609	0.15	8.15x10 <sup>-06</sup>	84.331
Mitochondrial import inner membrane translocase subunit TIM14	Q96DA6	0.14	8.51x10 <sup>-06</sup>	12.499
Angiopoietin-2	O15123	-0.14	9.37x10 <sup>-06</sup>	56.919
Complement component C6	P13671	0.14	1.13x10 <sup>-05</sup>	104.786
High mobility group protein B1	P09429	0.14	1.14x10 <sup>-05</sup>	24.894
Importin subunit beta-1	Q14974	0.14	1.16x10 <sup>-05</sup>	97.170
Ubiquitin-conjugating enzyme E2 N	P61088	0.14	1.20x10 <sup>-05</sup>	17.138

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Calpain I	P07384 P04632	0.14	1.22x10 <sup>-05</sup>	81.890
Dual specificity mitogen-activated protein kinase kinase 1	Q02750	-0.14	1.33x10 <sup>-05</sup>	43.439
Tumor necrosis factor receptor superfamily member 17	Q02223	-0.14	1.37x10 <sup>-05</sup>	20.165
Artemin	Q5T4W7	0.14	1.42x10 <sup>-05</sup>	22.878
Amphiregulin	P15514	0.14	1.46x10 <sup>-05</sup>	27.895
Macrophage migration inhibitory factor	P14174	-0.14	1.59x10 <sup>-05</sup>	12.476
Serotransferrin	P02787	0.14	1.62x10 <sup>-05</sup>	77.064
Death-associated protein kinase 2	Q9UIK4	-0.14	1.63x10 <sup>-05</sup>	42.898
Cyclin-dependent kinase 1:G2/mitotic-specific cyclin-B1 complex	P06493 P14635	0.14	1.65x10 <sup>-05</sup>	34.095
Properdin	P27918	0.14	1.70x10 <sup>-05</sup>	51.276
C-C motif chemokine 24	O00175	0.14	1.71x10 <sup>-05</sup>	13.134
Tyrosine-protein kinase ZAP-70	P43403	0.14	1.90x10 <sup>-05</sup>	69.872
CD70 antigen	P32970	-0.14	2.03x10 <sup>-05</sup>	21.118
Chromobox protein homolog 5	P45973	0.14	2.07x10 <sup>-05</sup>	22.225
BDNF/NT-3 growth factors receptor	Q16620	0.14	2.19x10 <sup>-05</sup>	91.999
cAMP-specific 3',5'-cyclic phosphodiesterase 4D	Q08499	0.14	2.27x10 <sup>-05</sup>	91.115
Phospholipase A2	P04054	-0.14	2.27x10 <sup>-05</sup>	16.360
Methionine aminopeptidase 1	P53582	0.14	2.28x10 <sup>-05</sup>	43.215
Insulin-degrading enzyme	P14735	0.14	2.28x10 <sup>-05</sup>	117.968
S-formylglutathione hydrolase	P10768	0.14	2.55x10 <sup>-05</sup>	31.463
Macrophage colony-stimulating factor 1	P09603	-0.14	2.75x10 <sup>-05</sup>	60.179

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Protein NOV homolog	P48745	-0.14	2.88x10 <sup>-05</sup>	39.162
Keratin, type I cytoskeletal 18	P05783	-0.14	3.07x10 <sup>-05</sup>	48.058
Thyroxine-Binding Globulin	P05543	0.14	3.18x10 <sup>-05</sup>	46.325
Calcium/calmodulin-dependent protein kinase type II subunit delta	Q13557	0.14	3.34x10 <sup>-05</sup>	56.369
Leucine-rich repeats and immunoglobulin-like domains protein 3	Q6UXM1	0.13	3.42x10 <sup>-05</sup>	123.434
TATA-box-binding protein	P20226	0.13	3.43x10 <sup>-05</sup>	37.698
Kallikrein-5	Q9Y337	0.13	3.44x10 <sup>-05</sup>	32.020
Protein kinase C beta type (splice variant beta-II)	P05771	0.13	3.72x10 <sup>-05</sup>	76.869
PSA:alpha-1-antichymotrypsin complex	P07288, P01011	-0.13	4.06x10 <sup>-05</sup>	28.741
Calcium/calmodulin-dependent protein kinase type 1	Q14012	0.13	4.15x10 <sup>-05</sup>	41.337
Programmed cell death 1 ligand 1	Q9NZQ7	-0.13	4.20x10 <sup>-05</sup>	33.275
Platelet-derived growth factor subunit B	P01127	0.13	4.81x10 <sup>-05</sup>	27.283
Annexin A6	P08133	0.13	4.88x10 <sup>-05</sup>	75.873
von Willebrand factor	P04275	-0.13	5.62x10 <sup>-05</sup>	309.265
DNA repair protein RAD51 homolog 1	Q06609	0.13	5.65x10 <sup>-05</sup>	36.966
40S ribosomal protein S3	P23396	0.13	5.85x10 <sup>-05</sup>	26.688
Proteasome activator complex subunit 3	P61289	0.13	5.90x10 <sup>-05</sup>	29.506
Fibroblast growth factor 4	P08620	0.13	5.93x10 <sup>-05</sup>	22.048
Glycogen synthase kinase-3 alpha/beta	P49840 P49841	0.13	5.99x10 <sup>-05</sup>	50.981
Bone morphogenetic protein 7	P18075	-0.13	6.14x10 <sup>-05</sup>	49.313
Angiopoietin-1	Q15389	-0.13	6.18x10 <sup>-05</sup>	57.513

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Semaphorin-3E	O15041	-0.13	6.22x10 <sup>-05</sup>	89.228
Baculoviral IAP repeat-containing protein 5	O15392	0.13	6.27x10 <sup>-05</sup>	16.389
Tyrosine-protein kinase Lyn	P07948	0.13	6.64x10 <sup>-05</sup>	58.574
Semaphorin-3A	Q14563	0.13	6.68x10 <sup>-05</sup>	88.889
Peroxiredoxin-1	Q06830	0.13	6.72x10 <sup>-05</sup>	22.110
Phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN	P60484	-0.13	6.82x10 <sup>-05</sup>	47.166
Oxidized low-density lipoprotein receptor 1	P78380	-0.13	6.85x10 <sup>-05</sup>	30.959
Neuropilin-1	O14786	-0.13	6.98x10 <sup>-05</sup>	103.134
GDNF family receptor alpha-1	P56159	-0.13	7.15x10 <sup>-05</sup>	51.456
Estrogen receptor	P03372	0.13	7.70x10 <sup>-05</sup>	66.216
Galectin-2	P05162	-0.13	7.81x10 <sup>-05</sup>	14.644
Arylsulfatase B	P15848	0.13	7.94x10 <sup>-05</sup>	59.687
Retinoblastoma-associated protein	P06400	0.13	8.08x10 <sup>-05</sup>	106.159
Carbonic anhydrase 1	P00915	0.13	8.77x10 <sup>-05</sup>	28.870
Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform	P48736	0.13	8.91x10 <sup>-05</sup>	126.454
DnaJ homolog subfamily B member 1	P25685	0.13	9.04x10 <sup>-05</sup>	38.044
Thyroid peroxidase	P07202	0.13	9.39x10 <sup>-05</sup>	102.963
CD97 antigen	P48960	0.13	9.91x10 <sup>-05</sup>	91.869
Macrophage scavenger receptor types I and II	P21757	0.13	9.98x10 <sup>-05</sup>	49.762
Intercellular adhesion molecule 3	P32942	0.13	0.000102	59.541
Angiopoietin-related protein 3	Q9Y5C1	0.13	0.000107	53.637

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Proteasome activator complex subunit 1	Q06323	0.13	0.000120	28.723
Anterior gradient protein 2 homolog	O95994	0.13	0.000120	19.979
Pyridoxal phosphate phosphatase	Q96GD0	0.13	0.000121	31.698
Chitotriosidase-1	Q13231	-0.12	0.000128	51.681
Hepatocyte growth factor receptor	P08581	0.12	0.000130	1.390
Intercellular adhesion molecule 2	P13598	0.12	0.000130	30.654
Lactoperoxidase	P22079	0.12	0.000132	80.288
Leptin receptor	P48357	0.12	0.000133	132.494
Apoptosis regulator Bcl-2	P10415	0.12	0.000134	26.266
Heparan-sulfate 6-O-sulfotransferase 1	O60243	0.12	0.000141	48.226
Opioid-binding protein/cell adhesion molecule	Q14982	0.12	0.000146	38.008
Hepatocyte growth factor-like protein	P26927	0.12	0.000147	80.320
Cadherin-5	P33151	-0.12	0.000150	87.528
GTPase KRas	P01116	0.12	0.000157	21.656
Vascular endothelial growth factor A, isoform 121	P15692	0.12	0.000162	27.042
Ephrin-B3	Q15768	-0.12	0.000162	35.835
Cation-independent mannose-6-phosphate receptor	P11717	0.12	0.000163	274.375
Interleukin-1 receptor type 1	P14778	-0.12	0.000167	65.402
TGF-beta receptor type-2	P37173	0.12	0.000180	64.568
Tumor necrosis factor ligand superfamily member 12	O43508	0.12	0.000180	27.216
Protein jagged-1	P78504	-0.12	0.000181	133.799
Tyrosine-protein kinase Lck	P06239	0.12	0.000184	58.001

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Peptidoglycan recognition protein 1	O75594	-0.12	0.000184	21.731
Collagen alpha-1(XXIII) chain	Q86Y22	0.12	0.000191	51.944
3-phosphoinositide-dependent protein kinase 1	O15530	0.12	0.000193	63.152
Neural cell adhesion molecule L1	P32004	0.12	0.000197	140.003
Thyroglobulin	P01266	0.12	0.000202	304.790
Ubiquitin+1, truncated mutation for UbB	P62979	-0.12	0.000202	17.965
R-spondin-2	Q6UXX9	0.12	0.000204	28.315
Protein kinase C iota type	P41743	0.12	0.000216	68.262
Ficolin-1	O00602	-0.12	0.000217	35.078
High affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A	O76083	-0.12	0.000226	68.493
Peroxiredoxin-6	P30041	0.12	0.000231	25.035
Lymphatic vessel endothelial hyaluronic acid receptor 1	Q9Y5Y7	-0.12	0.000251	35.213
Interleukin-17A	Q16552	0.12	0.000261	17.504
C-C motif chemokine 21	O00585	0.12	0.000262	14.646
Adenylosuccinate lyase	P30566	0.12	0.000271	54.889
Growth arrest-specific protein 1	P54826	-0.12	0.000275	35.693
Immunoglobulin D	P01880	0.12	0.000276	42.353
Mitogen-activated protein kinase kinase kinase 7:TGF-beta-activated kinase 1 and MAP3K7-binding protein 1 fusion	O43318 Q15750	0.12	0.000278	67.196
Complement component C7	P10643	-0.12	0.000280	93.518
Calcium/calmodulin-dependent protein kinase type II subunit alpha	Q9UQM7	0.12	0.000280	54.088

Protein	UniProt ID	Spearman rho	p-value	Molecular Weight (kDa)
AMP Kinase (alpha2beta2gamma1)	P54646 O43741 P54619	0.12	0.000281	62.320
Superoxide dismutase [Cu-Zn]	P00441	0.12	0.000302	15.936
Growth/differentiation factor 11	O95390	0.12	0.000314	45.091
interleukin-17 receptor B	Q9NRM6	-0.12	0.000323	55.885
Catalase	P04040	0.12	0.000330	59.756
Fibroblast growth factor 16	O43320	0.12	0.000354	23.759
Complement component C8	P07357,P07358,P07360	0.12	0.000354	65.163
Tyrosine-protein kinase Lyn, isoform B	P07948	0.12	0.000376	58.574
Fibroblast growth factor 23	Q9GZV9	-0.12	0.000377	27.954
Cytosolic non-specific dipeptidase	Q96KP4	0.12	0.000386	52.878
C-type lectin domain family 1 member B	Q9P126	-0.12	0.000393	26.596
NAD-dependent protein deacetylase sirtuin-2	Q8IXJ6	0.12	0.000405	43.182
Ras GTPase-activating protein 1	P20936	0.12	0.000408	116.403
Proteasome subunit alpha type-6	P60900	0.12	0.000408	27.399
Dual specificity tyrosine-phosphorylation-regulated kinase 3	O43781	0.11	0.000435	65.714
Fibrinogen gamma chain	P02679	-0.11	0.000443	51.512
Calcium/calmodulin-dependent protein kinase kinase 1	Q8N5S9	0.11	0.000445	55.735
Baculoviral IAP repeat-containing protein 7 Isoform beta	Q96CA5	0.11	0.000458	32.798
Cadherin-6	P55285	0.11	0.000465	88.309
Platelet glycoprotein Ib alpha chain	P07359	-0.11	0.000480	71.540



<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Cathepsin B	P07858	-0.11	0.000487	37.822
Importin subunit alpha-1	P52292	-0.11	0.000495	57.862
C-X-C motif chemokine 6	P80162	-0.11	0.000520	11.897
Vacuolar protein sorting-associated protein VTA1 homolog	Q9NP79	0.11	0.000541	33.879
Protein kinase C alpha type	P17252	0.11	0.000577	76.750
Receptor-type tyrosine-protein kinase FLT3	P36888	0.11	0.000586	112.903
Cytochrome c	P99999	0.11	0.000587	11.749
Asialoglycoprotein receptor 1	P07306	-0.11	0.000630	33.186
Ectonucleoside triphosphate diphosphohydrolase 1	P49961	0.11	0.000636	57.965
Serine/threonine-protein kinase TBK1	Q9UHD2	0.11	0.000663	83.642
Inhibin beta A chain	P08476	-0.11	0.000675	47.442
Decorin	P07585	0.11	0.000729	39.747
Mitochondrial glutamate carrier 2	Q9H1K4	0.11	0.000743	33.849
Serine/threonine-protein kinase receptor R3	P37023	0.11	0.000762	56.124
Calreticulin	P27797	-0.11	0.000773	48.142
Fibroblast growth factor 18	O76093	0.11	0.000788	23.989
Sphingosine kinase 1	Q9NYA1	0.11	0.000793	42.518
Tumor necrosis factor receptor superfamily member 13C	Q96RJ3	0.11	0.000793	18.864
Oncostatin-M	P13725	0.11	0.000818	28.484
GRB2-related adapter protein 2	O75791	0.11	0.000827	24.382
Interleukin-1 Receptor accessory protein	Q9NPH3	0.11	0.000841	65.418
Alpha-soluble NSF attachment protein	P54920	0.11	0.000852	33.233

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
3-hydroxyacyl-CoA dehydrogenase type-2	Q99714	0.11	0.000866	25.984
Leucine-rich repeat transmembrane neuronal protein 1	Q86UE6	0.11	0.000904	58.641
Proprotein convertase subtilisin/kexin type 9	Q8NBP7	0.11	0.000955	74.286
Protein E7_HP18	P06788	0.11	0.00096	11.995
Pulmonary surfactant-associated protein D	P35247	0.11	0.00106	37.728
Ribosome maturation protein SBDS	Q9Y3A5	0.11	0.00109	28.764
Carbonic anhydrase 6	P23280	0.11	0.00111	35.367
Ubiquitin-conjugating enzyme E2 L3	P68036	0.11	0.00114	17.862
Heterogeneous nuclear ribonucleoproteins A2/B1	P22626	-0.11	0.00117	37.430
GDNF family receptor alpha-2	O00451	-0.11	0.00118	51.544
Interleukin-3 receptor subunit alpha	P26951	0.11	0.00121	43.330
Transforming growth factor-beta-induced protein ig-h3	Q15582	0.1	0.00129	74.681
Macrophage-stimulating protein receptor	Q04912	0.1	0.00129	152.241
Histone acetyltransferase KAT6A	Q92794	0.1	0.00133	225.028
Kremen protein 2	Q8NCW0	0.1	0.00135	48.849
Leukotriene A-4 hydrolase	P09960	-0.1	0.00138	69.285
Low affinity immunoglobulin gamma Fc region receptor III-B	O75015	-0.1	0.00140	26.216
Interferon alpha-2	P01563	0.1	0.00153	21.550
Insulin-like growth factor-binding protein 7	Q16270	0.1	0.00155	29.130
Metalloproteinase inhibitor 2	P16035	0.1	0.00158	24.399

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Kallistatin	P29622	0.1	0.00165	48.542
C-X-C motif chemokine 16	Q9H2A7	-0.1	0.00168	27.579
Interleukin-20	Q9NYY1	0.1	0.00170	20.072
Cytokine receptor-like factor 1:Cardiotrophin-like cytokine factor 1 Complex	O75462 Q9UBD9	-0.1	0.00171	46.302
Toll-like receptor 4:Lymphocyte antigen 96 complex	O00206 Q9Y6Y9	0.1	0.00176	95.680
Endoplasmic reticulum aminopeptidase 1	Q9NZ08	0.1	0.00178	107.235
C-C motif chemokine 28	Q9NRJ3	-0.1	0.00181	14.280
3-hydroxy-3-methylglutaryl-coenzyme A reductase	P04035	0.1	0.00183	97.476
C-C motif chemokine 25	O15444	0.1	0.00189	16.609
Bone morphogenetic protein receptor type-1A	P36894	-0.1	0.00193	60.198
Alpha-(1,3)-fucosyltransferase 5	Q11128	-0.1	0.00193	43.008
Complement C5b-C6 complex	P01031,P13671	0.1	0.00209	188.305
Serum albumin	P02768	-0.1	0.00209	69.367
Killer cell immunoglobulin-like receptor 3DL2	P43630	0.1	0.00209	50.230
cAMP-regulated phosphoprotein 19	P56211	0.1	0.00212	12.323
A disintegrin and metalloproteinase with thrombospondin motifs 4	O75173	0.1	0.00212	90.197
Ribosomal protein S6 kinase alpha-3	P51812	0.1	0.00212	83.736
Tropomyosin alpha-1 chain	P09493	0.1	0.00215	32.709
Cytoplasmic tyrosine-protein kinase BMX	P51813	0.1	0.00227	78.011
Creatine kinase B-type	P12277	-0.1	0.00229	42.644

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Transforming growth factor beta-3	P10600	0.1	0.00231	47.328
[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial	Q15118	0.1	0.00242	49.244
Protein FAM107A	O95990	0.1	0.00249	17.455
Tropomyosin beta chain	P07951	0.1	0.00254	32.851
T-lymphocyte surface antigen Ly-9	Q9HBG7	-0.1	0.00271	72.139
Collectin-12	Q5KU26	0.1	0.00275	81.515
Calcium-dependent phospholipase A2	P39877	0.1	0.00280	15.674
Cyclin-dependent kinase inhibitor 1B	P46527	0.1	0.00284	22.073
cGMP-specific 3',5'-cyclic phosphodiesterase	O76074	0.1	0.00300	99.985
OCIA domain-containing protein 1	Q9NX40	-0.1	0.00306	27.626
Breast cancer anti-estrogen resistance protein 3	O75815	0.1	0.00310	92.566
Platelet-derived growth factor subunit A	P04085	0.1	0.00317	24.043
Calcium/calmodulin-dependent protein kinase type II subunit beta	Q13554	0.1	0.00332	72.678
Interleukin-22	Q9GZX6	-0.1	0.00334	20.011
Neural cell adhesion molecule L1-like protein	O00533	0.1	0.00338	135.071
Growth/differentiation factor 9	O60383	0.1	0.00339	51.444
Fibroblast growth factor 10	O15520	0.1	0.00340	23.436
Tyrosine-protein kinase receptor TYRO3	Q06418	-0.09	0.00363	96.905
SLAM family member 6	Q96DU3	-0.09	0.00363	37.345
Syntaxin-1A	Q16623	0.09	0.00371	33.023

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Cadherin-15	P55291	0.09	0.00378	88.916
Baculoviral IAP repeat-containing protein 3	Q13489	0.09	0.00390	68.372
Interleukin-18 receptor accessory protein	O95256	0.09	0.00397	68.310
S-phase kinase-associated protein 1	P63208	0.09	0.00413	18.658
Secretin	P09683	-0.09	0.00441	13.016
Granzyme B	P10144	0.09	0.00464	27.716
Prokineticin-1	P58294	0.09	0.00468	11.715
Heparin cofactor 2	P05546	0.09	0.00482	57.071
Caspase-3	P42574	0.09	0.00546	31.608
ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2	Q10588	0.09	0.00554	35.724
Abelson tyrosine-protein kinase 2	P42684	0.09	0.00557	128.343
C-type mannose receptor 2	Q9UBG0	0.09	0.00558	166.674
Ectodysplasin-A, secreted form	Q92838	0.09	0.00563	41.294
Alpha-1-antitrypsin	P01009	-0.09	0.00593	46.737
Mitogen-activated protein kinase 13	O15264	0.09	0.00601	42.090
Galectin-8	O00214	0.09	0.00607	35.808
Contactin-5	O94779	0.09	0.00625	120.686
Neuronal cell adhesion molecule	Q92823	-0.09	0.00634	14.890
Tumor necrosis factor ligand superfamily member 9	P41273	0.09	0.00651	26.625
Protein Wnt-7a	O00755	0.09	0.00661	39.005
CD40 ligand	P29965	0.09	0.00673	29.274
alpha-S1-casein	P47710	0.09	0.00680	21.671
Glucokinase regulatory protein	Q14397	-0.09	0.00716	68.685

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Fibroblast growth factor 2	P09038	0.09	0.00720	30.770
Serine/threonine-protein kinase MRCK beta	Q9Y5S2	0.09	0.00781	194.315
T-lymphocyte activation antigen CD86	P42081	0.09	0.00836	37.682
Interleukin-1 alpha	P01583	-0.09	0.00850	30.607
Ectonucleoside triphosphate diphosphohydrolase 3	O75355	0.09	0.00865	59.105
NT-3 growth factor receptor	Q16288	-0.09	0.00880	94.428
CD226 antigen	Q15762	0.09	0.00900	38.614
Phospholipase A2, membrane associated	P14555	-0.08	0.00929	16.083
Methionine aminopeptidase 2	P50579	0.08	0.00933	52.892
Receptor tyrosine-protein kinase erbB-2	P04626	0.08	0.00964	137.910
Cathepsin D	P07339	0.08	0.00969	44.552
Tumor necrosis factor receptor superfamily member 8	P28908	-0.08	0.00991	63.747
Plasmin	P00747	0.08	0.0101	90.569
Lipopolysaccharide-binding protein	P18428	-0.08	0.0101	53.384
Group 10 secretory phospholipase A2	O15496	0.08	0.0105	18.153
Ciliary Neurotrophic Factor	P26441	0.08	0.0106	22.931
Lysosome membrane protein 2	Q14108	0.08	0.0108	54.290
Matrilin-3	O15232	0.08	0.0109	52.817
Annexin A2	P07355	-0.08	0.0111	38.604
Osteomodulin	Q99983	-0.08	0.0111	49.492
Killer cell lectin-like receptor subfamily F member 1	Q9NZS2	0.08	0.0116	26.666
Tumor necrosis factor ligand superfamily member 18	Q9UNG2	0.08	0.0116	22.724

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Mesothelin	Q13421	0.08	0.0120	68.986
Fibroblast growth factor receptor 4	P22455	0.08	0.0125	87.954
Lysosomal protective protein	P10619	0.08	0.0126	54.466
72 kDa type IV collagenase	P08253	0.08	0.0126	73.882
Neurotrophin-3	P20783	0.08	0.0133	29.355
Interleukin-13	P35225	0.08	0.0135	15.816
AMP Kinase (alpha1beta1gamma1)	Q13131 Q9Y478 P54619	0.08	0.0138	64.009
Granzyme H	P20718	0.08	0.0138	27.315
Somatostatin-28	P61278	0.08	0.0140	12.736
Kinesin-like protein KIF23	Q02241	0.08	0.0142	110.059
Bone morphogenetic protein 6	P22004	-0.08	0.0144	57.226
Serine/threonine-protein kinase Chk2	O96017	0.08	0.0145	60.915
Persephin	O60542	-0.08	0.0146	16.600
Leptin	P41159	-0.08	0.0148	18.641
Interleukin-7 receptor subunit alpha	P16871	0.08	0.0150	51.581
Discoidin domain-containing receptor 2	Q16832	-0.08	0.0151	96.736
Prefoldin subunit 5	Q99471	-0.08	0.0153	17.328
Apolipoprotein E (isoform E3)	P02649	0.08	0.0153	36.154
Apolipoprotein E (isoform E2)	P02649	0.08	0.0157	36.154
Interleukin-17B	Q9UHF5	0.08	0.0158	20.437
Tyrosine-protein kinase Fgr	P09769	0.08	0.0159	59.479
Fibroblast growth factor 1	P05230	0.08	0.0160	17.460
Glutathione S-transferase A3	Q16772	0.08	0.0166	25.302
C-C motif chemokine 13	Q99616	0.08	0.0169	10.986

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Dual specificity protein phosphatase 3	P51452	0.08	0.0170	20.478
Proliferating cell nuclear antigen	P12004	-0.08	0.0172	28.769
L-Selectin	P14151	0.08	0.0173	42.187
C-C motif chemokine 17	Q92583	-0.08	0.0174	10.507
Carboxypeptidase B2	Q96IY4	0.08	0.0175	48.424
Cysteine-rich secretory protein 3	P54108	0.08	0.0175	27.630
Kallikrein-4	Q9Y5K2	0.08	0.0175	27.032
Coactosin-like protein	Q14019	-0.08	0.0177	15.945
Angiotensin-converting enzyme 2	Q9BYF1	0.08	0.0180	92.463
C-C motif chemokine 20	P78556	0.08	0.0183	10.762
Protein kinase C theta type	Q04759	0.08	0.0192	81.865
AT-rich interactive domain-containing protein 3A	Q99856	0.08	0.0194	62.889
Activated Protein C	P04070	-0.08	0.0207	52.071
Macrophage colony-stimulating factor 1 receptor	P07333	-0.08	0.0207	107.984
Fibroblast growth factor 6	P10767	0.08	0.0211	22.905
Prolactin	P01236	-0.08	0.0214	25.876
Eukaryotic initiation factor 4A-III	P38919	0.08	0.0216	46.871
Cell surface glycoprotein CD200 receptor 1	Q8TD46	0.08	0.0216	36.620
Carboxypeptidase E	P16870	0.07	0.0220	53.151
Interleukin-27 receptor subunit alpha	Q6UWB1	0.07	0.0220	69.474
A disintegrin and metalloproteinase with thrombospondin motifs 1	Q9UHI8	0.07	0.0220	105.358
Thymidylate synthase	P04818	-0.07	0.0225	35.716



<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Macrophage mannose receptor 1	P22897	-0.07	0.0232	166.012
C-C motif chemokine 8	P80075	-0.07	0.0232	11.246
Serum paraoxonase/arylesterase 1	P27169	0.07	0.0252	39.731
Transmembrane glycoprotein NMB	Q14956	-0.07	0.0252	63.923
P-Selectin	P16109	0.07	0.0257	90.834
Estradiol 17-beta-dehydrogenase 1	P14061	0.07	0.0260	34.950
Interferon lambda-1	Q8IU54	0.07	0.0262	21.898
Tyrosine-protein phosphatase non-receptor type 2	P17706	0.07	0.0263	48.473
Interstitial collagenase	P03956	-0.07	0.0266	54.007
Platelet-activating factor acetylhydrolase	Q13093	-0.07	0.0270	50.077
Tumor necrosis factor receptor superfamily member 3	P36941	0.07	0.0277	46.709
Scavenger receptor class F member 2	Q96GP6	0.07	0.0278	92.479
C3a anaphylatoxin des Arginine	P01024	0.07	0.0282	187.148
Elongation factor 1-beta	P24534	0.07	0.0284	24.764
Tissue-type plasminogen activator	P00750	0.07	0.0284	62.917
Leukemia inhibitory factor receptor	P42702	-0.07	0.0303	123.743
Complement C3b	P01024	0.07	0.0316	187.148
Cytotoxic and regulatory T-cell molecule	O95727	0.07	0.0324	44.641
alpha-L-iduronidase	P35475	0.07	0.0327	72.670
Tryptase gamma	Q9NRR2	0.07	0.0330	33.815
Luteinizing hormone	P01215, P01229	-0.07	0.0331	13.075

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Leucine carboxyl methyltransferase 1	Q9UIC8	0.07	0.0334	38.379
MAP kinase-activated protein kinase 2	P49137	0.07	0.0342	45.568
Aromatic-L-amino-acid decarboxylase	P20711	0.07	0.0342	53.926
Scavenger receptor cysteine-rich type 1 protein M130	Q86VB7	0.07	0.0343	125.451
Neurotrophin-4	P34130	0.07	0.0343	22.427
Pituitary adenylate cyclase-activating polypeptide 38	P18509	0.07	0.0357	18.835
MHC class I polypeptide-related sequence B	Q29980	-0.07	0.0361	42.646
Cystatin-S	P01036	-0.07	0.0361	16.214
Fibroblast growth factor 12	P61328	0.07	0.0365	27.399
Neutrophil collagenase	P22894	0.07	0.0367	53.412
Granulocyte-macrophage colony-stimulating factor	P04141	-0.07	0.0369	16.295
beta-nerve growth factor	P01138	-0.07	0.0374	26.959
SPARC-like protein 1	Q14515	-0.07	0.0378	75.208
Cystatin-F	O76096	-0.07	0.0380	16.454
Interleukin-34	Q6ZMJ4	0.07	0.0384	27.482
Tyrosine-protein kinase JAK2	O60674	0.07	0.0385	130.674
C-X-C motif chemokine 11	O14625	-0.07	0.0386	10.365
Bcl-2-related protein A1	Q16548	0.07	0.0390	20.132
C-C motif chemokine 2	P13500	0.07	0.0395	11.025
Interleukin-22 receptor subunit alpha-2	Q969J5	0.07	0.0399	30.550
Bcl-2-like protein 1	Q07817	0.07	0.0405	26.049
Tumor necrosis factor receptor superfamily member 18	Q9Y5U5	0.07	0.0407	26.000

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Low affinity immunoglobulin gamma Fc region receptor II-a/b	P12318 P31994	-0.07	0.0407	35.001
Toll-like receptor 2	O60603	-0.07	0.0414	89.838
Ligand-dependent nuclear receptor corepressor-like protein	Q8N3X6	0.07	0.0416	66.964
3-hydroxyisobutyrate dehydrogenase, mitochondrial	P31937	0.07	0.0416	35.329
Receptor tyrosine-protein kinase erbB-4	Q15303	0.07	0.0422	146.808
Secreted frizzled-related protein 3	Q92765	-0.07	0.0422	36.254
Tumor necrosis factor receptor superfamily member 10A	O00220	0.07	0.0426	50.089
Hsp90 co-chaperone Cdc37	Q16543	-0.07	0.0435	44.468
Thymidine kinase, cytosolic	P04183	0.07	0.0435	25.469
Matrix metalloproteinase-17	Q9ULZ9	0.07	0.0442	66.653
Cathepsin E	P14091	0.07	0.0442	42.794
Carbonic anhydrase 7	P43166	0.07	0.0447	29.658
Insulin-like growth factor I	P05019	-0.07	0.0453	21.841
Mitogen-activated protein kinase 1	P28482	0.07	0.0455	41.390
Complement C5	P01031	0.06	0.0470	188.305
Plasma protease C1 inhibitor	P05155	0.06	0.0480	55.154
Glypican-2	Q8N158	0.06	0.0489	62.830
Platelet glycoprotein 4	P16671	0.06	0.0510	53.053
Persulfide dioxygenase ETHE1, mitochondrial	O95571	0.06	0.0519	27.873
Roundabout homolog 3	Q96MS0	0.06	0.0521	148.209
Interleukin-10	P22301	0.06	0.0522	20.517
ATP-dependent RNA helicase DDX19B	Q9UMR2	0.06	0.0528	53.927

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Enteropeptidase	P98073	0.06	0.0540	112.935
Amyloid beta A4 protein	P05067	-0.06	0.0555	86.943
Proteasome subunit alpha type-1	P25786	0.06	0.0561	29.556
Bone morphogenetic protein receptor type-2	Q13873	-0.06	0.0563	115.201
Angiotensin-1 receptor, soluble	Q02763	0.06	0.0570	125.830
40S ribosomal protein S7	P62081	0.06	0.0576	22.127
Protein disulfide-isomerase	P07237	0.06	0.0576	57.116
NKG2D ligand 1	Q9BZM6	0.06	0.0581	27.997
Arylsulfatase A	P15289	0.06	0.0583	53.588
Dynactin subunit 2	Q13561	0.06	0.0597	44.231
Human Chorionic Gonadotropin	P01215,P01233	-0.06	0.0613	13.075
Acidic leucine-rich nuclear phosphoprotein 32 family member B	Q92688	-0.06	0.0622	28.788
cGMP-inhibited 3',5'-cyclic phosphodiesterase A	Q14432	0.06	0.0633	124.979
Sex hormone-binding globulin	P04278	-0.06	0.0658	43.779
Protein jagged-2	Q9Y219	0.06	0.0692	133.367
Interleukin-23	P29460, Q9NPF7	0.06	0.0697	37.169
E3 ubiquitin-protein ligase Mdm2	Q00987	0.06	0.0698	55.233
Immunoglobulin alpha Fc receptor	P24071	0.06	0.0701	32.265
Cadherin-1	P12830	0.06	0.0702	97.456
Interleukin-12 receptor subunit beta-1	P42701	-0.06	0.0712	73.109
Tenascin	P24821	0.06	0.0718	240.853
Lactadherin	Q08431	-0.06	0.0733	43.123

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Fibronectin Fragment 4	P02751	0.06	0.0739	262.625
Roundabout homolog 2	Q9HCK4	0.06	0.0758	151.200
Serum amyloid A-1 protein	P0DJI8	-0.06	0.0759	13.532
Focal adhesion kinase 1	Q05397	0.06	0.0778	119.233
Interleukin-17D	Q8TAD2	0.06	0.0799	21.893
Kunitz-type protease inhibitor 1	O43278	0.06	0.0801	58.398
Proprotein convertase subtilisin/kexin type 7	Q16549	0.06	0.0808	86.247
Vasoactive Intestinal Peptide	P01282	0.06	0.0809	19.169
Coagulation factor IXab	P00740	0.06	0.0810	51.778
L-lactate dehydrogenase B chain	P07195	-0.06	0.0816	36.638
ICOS ligand	O75144	0.06	0.0817	33.349
Disintegrin and metalloproteinase domain-containing protein 9	Q13443	-0.06	0.0819	90.556
Complement C2	P06681	0.06	0.0828	83.268
Seizure 6-like protein 2	Q6UXD5	0.06	0.0862	97.560
60 kDa heat shock protein, mitochondrial	P10809	0.06	0.0867	61.055
Tyrosine-protein kinase Tec	P42680	0.06	0.0870	73.581
Lymphocyte antigen 86	O95711	-0.06	0.0885	17.906
Interleukin-24	Q13007	0.06	0.0890	23.825
Interleukin-11 receptor subunit alpha	Q14626	-0.06	0.0892	45.222
Interleukin-6	P05231	-0.06	0.0894	23.718
Fibroblast growth factor 8 isoform A	P55075	0.06	0.0912	26.525
Fms-related tyrosine kinase 3 ligand	P49771	0.06	0.0915	26.416
Fibronectin	P02751	0.05	0.0950	262.625

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Iduronate 2-sulfatase	P22304	0.05	0.0969	61.873
Insulin receptor	P06213	-0.05	0.0969	156.333
Epiregulin	O14944	0.05	0.0973	19.044
Interleukin-6 receptor subunit beta	P40189	0.05	0.0979	103.537
Hepcidin	P81172	-0.05	0.102	9.408
Brother of CDO	Q9BWV1	0.05	0.102	121.509
Thioredoxin domain-containing protein 12	O95881	0.05	0.103	19.206
Ubiquitin carboxyl-terminal hydrolase isozyme L1	P09936	0.05	0.104	24.824
Myeloid cell surface antigen CD33	P20138	-0.05	0.105	39.825
C-type lectin domain family 7 member A	Q9BXN2	-0.05	0.106	27.627
Protein Rev_HV2BE	P18093	0.05	0.106	11.792
Galectin-4	P56470	0.05	0.107	35.941
Cytotoxic T-lymphocyte protein 4	P16410	0.05	0.111	24.656
Nuclear receptor subfamily 1 group D member 1	P20393	0.05	0.112	66.805
VPS10 domain-containing receptor SorCS2	Q96PQ0	0.05	0.113	128.152
Inducible T-cell costimulator	Q9Y6W8	0.05	0.113	22.625
Interleukin-3	P08700	0.05	0.113	17.233
Complement C3d fragment	P01024	0.05	0.114	187.148
NKG2D ligand 2	Q9BZM5	0.05	0.115	27.368
Erythropoietin	P01588	-0.05	0.115	21.307
Ephrin type-A receptor 10	Q5JZY3	-0.05	0.116	109.716
Histone H2A.z	P0C0S5	-0.05	0.116	13.553
Desert hedgehog protein N-product	O43323	0.05	0.122	43.577

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Immunoglobulin G	P01857	-0.05	0.122	36.106
Caspase-2	P42575	0.05	0.127	50.685
Killer cell immunoglobulin-like receptor 3DS1	Q14943	0.05	0.128	42.475
CD109 antigen	Q6YHK3	-0.05	0.133	161.689
Interleukin-23 receptor	Q5VWK5	0.05	0.134	71.722
C-C motif chemokine 4-like	Q8NHW4	-0.05	0.134	10.166
Coagulation factor IX	P00740	0.05	0.134	51.778
Gro-beta/gamma	P19876 P19875	0.05	0.134	11.342
Dynein light chain roadblock-type 1	Q9NP97	0.05	0.135	10.922
Protein kinase C delta type	Q05655	-0.05	0.136	77.505
Methyl-CpG-binding domain protein 4	O95243	0.05	0.137	66.051
Kallikrein-12	Q9UKR0	0.05	0.139	26.734
Dynein light chain 1, cytoplasmic	P63167	0.05	0.139	10.366
C-C motif chemokine 22	O00626	0.05	0.141	10.625
Interleukin-12 receptor subunit beta-2	Q99665	-0.05	0.142	97.135
Corticotropin	P01189	-0.05	0.143	29.424
Carbohydrate sulfotransferase 6	Q9GZX3	0.05	0.145	44.099
Proteasome subunit alpha type-2	P25787	-0.05	0.148	25.899
Midkine	P21741	-0.05	0.150	15.585
Interleukin-7	P13232	0.05	0.150	20.187
A disintegrin and metalloproteinase with thrombospondin motifs 15	Q8TE58	-0.05	0.151	103.287
GDNF family receptor alpha-3	O60609	0.05	0.153	44.511

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Matrix extracellular phosphoglycoprotein	Q9NQ76	0.05	0.156	58.419
Dual specificity mitogen-activated protein kinase kinase 4	P45985	0.05	0.157	44.288
Complement C4b	P0C0L4 P0C0L5	0.05	0.160	192.785
Low-density lipoprotein receptor-related protein 8	Q14114	-0.05	0.163	105.634
Growth/differentiation factor 2	Q9UK05	0.05	0.166	47.320
Pescadillo homolog	O00541	0.05	0.166	68.003
Haptoglobin	P00738	-0.05	0.168	45.205
WAP, kazal, immunoglobulin, kunitz and NTR domain-containing protein 1	Q96NZ8	0.04	0.170	58.798
Eukaryotic translation initiation factor 5	P55010	-0.04	0.174	49.223
Disintegrin and metalloproteinase domain-containing protein 12	O43184	0.04	0.175	99.542
Hemopexin	P02790	-0.04	0.176	51.676
Neutrophil-activating peptide 2	P02775	0.04	0.177	13.894
Transforming growth factor beta-2	P61812	0.04	0.177	47.748
Interleukin-5 receptor subunit alpha	Q01344	-0.04	0.180	47.685
Interleukin-25	Q9H293	-0.04	0.182	20.330
Parathyroid hormone	P01270	-0.04	0.182	12.861
Calcineurin	Q08209 P63098	-0.04	0.183	58.688
Cytoplasmic protein NCK1	P16333	0.04	0.187	42.864
Serum amyloid P-component	P02743	0.04	0.187	25.387
Histone H1.2	P16403	0.04	0.187	21.365



<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Leucine-rich repeat transmembrane protein FLRT1	Q9NZU1	0.04	0.188	71.358
Interleukin-2	P60568	0.04	0.188	17.628
Interleukin-6 receptor subunit alpha	P08887	-0.04	0.193	51.548
Carbohydrate sulfotransferase 2	Q9Y4C5	0.04	0.195	57.857
Interleukin-17 receptor D	Q8NFM7	0.04	0.196	82.411
Connective tissue growth factor	P29279	0.04	0.199	38.091
Carbonic anhydrase 13	Q8N1Q1	0.04	0.200	29.443
Sialic acid-binding Ig-like lectin 6	O43699	-0.04	0.204	49.913
Granzyme A	P12544	-0.04	0.205	28.999
Interleukin-1 receptor-like 2	Q9HB29	-0.04	0.205	65.405
Spectrin alpha chain, non-erythrocytic 1	Q13813	0.04	0.206	284.539
Matrix metalloproteinase-16	P51512	0.04	0.208	69.521
Histone acetyltransferase type B catalytic subunit	O14929	0.04	0.209	49.513
Interleukin-17 receptor A	Q96F46	0.04	0.209	96.122
Sialoadhesin	Q9BZZ2	-0.04	0.212	182.624
Urokinase-type plasminogen activator	P00749	0.04	0.212	48.507
Homeobox protein NANOG	Q9H9S0	0.04	0.216	34.620
Fibroblast growth factor receptor 2	P21802	0.04	0.217	92.025
Aurora kinase A	O14965	0.04	0.219	45.809
Tumor necrosis factor ligand superfamily member 4	P23510	0.04	0.221	21.050
Vitamin K-dependent protein S	P07225	0.04	0.228	75.123
Interleukin-4 receptor subunit alpha	P24394	0.04	0.229	89.658

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
SLAM family member 7	Q9NQ25	0.04	0.230	37.421
Serine/threonine-protein kinase PAK 6	Q9NQU5	0.04	0.234	74.869
Interleukin-22 receptor subunit alpha-1	Q8N6P7	0.04	0.236	63.077
Homeodomain-interacting protein kinase 3	Q9H422	0.04	0.238	133.743
Tyrosine-protein kinase Fyn	P06241	0.04	0.246	60.762
Brain-derived neurotrophic factor	P23560	0.04	0.247	27.818
Galactoside 3(4)-L-fucosyltransferase	P21217	0.04	0.250	42.117
MAP kinase-activated protein kinase 3	Q16644	0.04	0.254	42.987
Xaa-Pro aminopeptidase 1	Q9NQW7	0.04	0.255	69.918
Dentin matrix acidic phosphoprotein 1	Q13316	-0.04	0.256	55.782
Interleukin-11	P20809	0.04	0.257	21.429
G2/mitotic-specific cyclin-B1	P14635	0.04	0.267	48.337
40S ribosomal protein SA	P08865	-0.04	0.272	32.854
Epithelial discoidin domain-containing receptor 1	Q08345	-0.04	0.273	101.128
Reticulon-4	Q9NQC3	0.04	0.273	129.931
Tumor necrosis factor receptor superfamily member 11A	Q9Y6Q6	0.04	0.273	66.034
Heparin-binding EGF-like growth factor	Q99075	-0.04	0.275	23.067
Integrin alpha-V: beta-5 complex	P06756, P18084	0.04	0.276	116.038
Moesin	P26038	0.03	0.285	67.820
Contactin-2	Q02246	-0.03	0.286	113.393
Follicle stimulating hormone	P01215, P01225	-0.03	0.297	13.075

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Carbonic anhydrase 2	P00918	0.03	0.299	29.246
Interleukin-8	P10145	0.03	0.300	11.098
Intercellular adhesion molecule 5	Q9UMF0	-0.03	0.305	97.116
Complement C4	P0C0L4, P0C0L5	0.03	0.305	192.785
Thymic stromal lymphopoietin	Q969D9	-0.03	0.306	18.141
Protein-glutamine gamma-glutamyltransferase E	Q08188	-0.03	0.311	76.632
cAMP-dependent protein kinase catalytic subunit alpha	P17612	0.03	0.311	40.590
C-reactive protein	P02741	-0.03	0.313	25.039
C-C motif chemokine 19	Q99731	-0.03	0.313	10.993
Tumor necrosis factor	P01375	0.03	0.322	25.644
Angiotensinogen	P01019	0.03	0.325	53.154
Complement C1r subcomponent	P00736	0.03	0.326	80.119
Natural cytotoxicity triggering receptor 2	O95944	-0.03	0.337	30.677
Endoglin	P17813	-0.03	0.341	70.578
Immunoglobulin M	P01871	-0.03	0.343	49.440
Tumor necrosis factor-inducible gene 6 protein	P98066	0.03	0.345	31.203
Wnt inhibitory factor 1	Q9Y5W5	-0.03	0.346	41.528
Interleukin-10 receptor subunit beta	Q08334	-0.03	0.348	36.995
Tyrosine-protein phosphatase non-receptor type 6	P29350	-0.03	0.350	67.561
Lymphotoxin alpha1:beta2	P01374, Q06643	0.03	0.353	22.297
Tumor necrosis factor receptor superfamily member 6B	O95407	-0.03	0.355	32.680
Fc receptor-like protein 3	Q96P31	0.03	0.356	80.856

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Kallikrein-7	P49862	0.03	0.358	27.525
Ribosomal protein S6 kinase alpha-5	O75582	-0.03	0.358	89.865
Histone-lysine N-methyltransferase EHMT2	Q96KQ7	0.03	0.374	132.370
Azurocidin	P20160	0.03	0.375	26.886
Collagen alpha-1(VIII) chain	P27658	0.03	0.381	73.364
Leukocyte immunoglobulin-like receptor subfamily B member 1	Q8NHL6	0.03	0.385	70.819
Alpha-1-antichymotrypsin	P01011	-0.03	0.386	47.651
Killer cell immunoglobulin-like receptor 2DL4	Q99706	0.03	0.390	41.487
Tyrosine-protein kinase Fer	P16591	0.03	0.392	94.638
Protein-tyrosine kinase 6	Q13882	0.03	0.401	51.834
Transforming growth factor beta-1	P01137	0.03	0.406	44.341
Tyrosine-protein kinase HCK	P08631	0.03	0.407	59.600
Growth-regulated alpha protein	P09341	0.03	0.410	11.301
Mitogen-activated protein kinase 3	P27361	0.03	0.411	43.136
Matrix metalloproteinase-14	P50281	-0.03	0.413	65.894
Interleukin-18 receptor 1	Q13478	0.03	0.416	62.304
Interferon gamma receptor 1	P15260	-0.03	0.417	54.405
EGF-like module-containing mucin-like hormone receptor-like 2	Q9UHX3	-0.03	0.426	90.472
BMP-binding endothelial regulator protein	Q8N8U9	-0.03	0.427	75.997
NKG2D ligand 3	Q9BZM4	0.03	0.432	27.949
Gremlin-1	O60565	0.03	0.435	20.697
Protein E7_HP16	P03129	-0.03	0.436	11.022

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Myeloperoxidase	P05164	-0.03	0.437	83.869
Inter-alpha-trypsin inhibitor heavy chain H4	Q14624	-0.03	0.439	103.357
T-lymphocyte activation antigen CD80	P33681	0.03	0.442	33.048
Collagenase 3	P45452	-0.02	0.447	53.820
Heme oxygenase 2	P30519	-0.02	0.448	36.033
Allograft inflammatory factor 1	P55008	0.02	0.451	16.703
Interferon lambda-2	Q8IZJ0	0.02	0.457	22.288
Membrane frizzled-related protein	Q9BY79	0.02	0.458	62.212
Carbonic anhydrase 9	Q16790	0.02	0.461	49.698
Mediator of RNA polymerase II transcription subunit 1	Q15648	-0.02	0.462	168.478
Group IIE secretory phospholipase A2	Q9NZK7	0.02	0.464	15.989
Glypican-5	P78333	0.02	0.466	63.707
Myeloblastin	P24158	0.02	0.468	27.807
Small nuclear ribonucleoprotein F	P62306	0.02	0.474	9.725
Trypsin-3	P35030	0.02	0.479	32.529
Biglycan	P21810	-0.02	0.484	41.654
Leukocyte immunoglobulin-like receptor subfamily B member 2	Q8N423	0.02	0.488	65.039
Glia-derived nexin	P07093	0.02	0.488	44.002
Epidermal growth factor receptor substrate 15-like 1	Q9UBC2	-0.02	0.492	94.255
Sialic acid-binding Ig-like lectin 9	Q9Y336	0.02	0.494	50.082
Connective tissue-activating peptide III	P02775	0.02	0.499	13.894
Caspase-10	Q92851	-0.02	0.503	58.951

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Teratocarcinoma-derived growth factor 1	P13385	-0.02	0.505	21.169
Insulin-like growth factor 1 receptor	P08069	-0.02	0.517	154.793
Tumor-associated calcium signal transducer 2	P09758	0.02	0.518	35.709
Granulysin	P22749	0.02	0.531	16.374
Aggrecan core protein	P16112	-0.02	0.539	261.329
Tumor necrosis factor ligand superfamily member 8	P32971	-0.02	0.539	26.017
CD166 antigen	Q13740	0.02	0.547	65.102
Neurogenic locus notch homolog protein 2	Q04721	-0.02	0.547	265.405
Complement factor H-related protein 5	Q9BXR6	-0.02	0.549	64.419
Ephrin type-A receptor 3	P29320	-0.02	0.555	110.131
Nidogen-1	P14543	-0.02	0.555	136.377
Alkaline phosphatase, tissue-nonspecific isozyme	P05186	0.02	0.559	57.305
Tumor necrosis factor ligand superfamily member 13B	Q9Y275	0.02	0.559	31.223
Immunoglobulin E	P01854	0.02	0.563	47.019
High affinity cAMP-specific 3',5'-cyclic phosphodiesterase 7A	Q13946	0.02	0.565	55.505
Desmocollin-3	Q14574	-0.02	0.566	99.969
Dickkopf-related protein 1	O94907	-0.02	0.570	28.672
FACT complex subunit SSRP1	Q08945	0.02	0.573	81.075
Platelet-derived growth factor C	Q9NRA1	0.02	0.573	39.029
Nidogen-2	Q14112	-0.02	0.575	151.254
Megakaryocyte-associated tyrosine-protein kinase	P42679	0.02	0.575	56.469

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Hyaluronan and proteoglycan link protein 1	P10915	0.02	0.575	40.166
Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit alpha isoform:Phosphatidylinositol 3-kinase regulatory subunit alpha complex	P42336 P27986	0.02	0.576	124.284
MHC class I polypeptide-related sequence A	Q29983	-0.02	0.578	42.915
Heterogeneous nuclear ribonucleoprotein A/B	Q99729	0.02	0.582	36.225
Dipeptidyl peptidase 1	P53634	0.02	0.587	51.854
Nicotinamide phosphoribosyltransferase	P43490	-0.02	0.590	55.521
Anti-Muellerian hormone type-2 receptor	Q16671	-0.02	0.597	62.750
Pituitary adenylate cyclase-activating polypeptide 27	P18509	0.02	0.598	18.835
Peptidyl-prolyl cis-trans isomerase E	Q9UNP9	-0.02	0.598	33.341
Erythropoietin receptor	P19235	0.02	0.598	55.065
Granulins	P28799	0.02	0.603	63.544
Hepatocyte growth factor	P14210	0.02	0.621	83.134
Lamin-B1	P20700	0.02	0.622	66.408
Lactotransferrin	P02788	0.02	0.625	78.182
Platelet-derived growth factor receptor beta	P09619	-0.02	0.633	123.968
Angiopietin-4	Q9Y264	-0.02	0.643	56.849
Junctional adhesion molecule-like	Q86YT9	0.02	0.645	44.339
Fibronectin Fragment 3	P02751	-0.01	0.650	262.625
Tyrosine-protein kinase ABL1	P00519	0.01	0.654	122.873
Fibroblast growth factor receptor 3	P22607	0.01	0.655	87.710

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Interleukin-1 receptor-like 1	Q01638	0.01	0.669	63.358
Phosphoglycerate kinase 1	P00558	-0.01	0.671	44.615
Leucine-rich repeat transmembrane neuronal protein 3	Q86VH5	-0.01	0.674	65.896
Neutrophil elastase	P08246	0.01	0.675	28.518
Hepatocyte growth factor activator	Q04756	0.01	0.676	70.682
Activin receptor type-1B	P36896	0.01	0.679	56.807
Membrane metallo-endopeptidase-like 1	Q495T6	0.01	0.681	89.367
Tumor necrosis factor ligand superfamily member 6, soluble form	P48023	0.01	0.693	31.485
Protein kinase C zeta type	Q05513	-0.01	0.694	67.660
C-type lectin domain family 4 member K	Q9UJ71	-0.01	0.701	36.725
Casein kinase II 2-alpha':2-beta heterotetramer	P19784 P67870	0.01	0.702	41.213
Histidine triad nucleotide-binding protein 1	P49773	0.01	0.715	13.802
Serine/threonine-protein kinase PLK1	P53350	-0.01	0.715	68.255
Kallikrein-13	Q9UKR3	-0.01	0.720	30.570
Brevican core protein	Q96GW7	-0.01	0.721	99.118
SUMO-conjugating enzyme UBC9	P63279	0.01	0.729	18.007
Tumor necrosis factor ligand superfamily member 14	O43557	-0.01	0.739	26.350
Cathepsin S	P25774	0.01	0.744	37.496
Eukaryotic translation initiation factor 5A-1	P63241	0.01	0.752	16.832
Thrombopoietin Receptor	P40238	-0.01	0.752	71.245



<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Bactericidal permeability-increasing protein	P17213	0.01	0.752	53.900
N-acetyl-D-glucosamine kinase	Q9UJ70	0.01	0.752	37.376
26S proteasome non-ATPase regulatory subunit 7	P51665	-0.01	0.757	37.025
CD209 antigen	Q9NNX6	0.01	0.762	45.775
Granulocyte colony-stimulating factor receptor	Q99062	-0.01	0.770	92.156
Histone deacetylase 8	Q9BY41	-0.01	0.773	41.758
Tissue factor pathway inhibitor	P10646	0.01	0.774	35.015
Neural cell adhesion molecule 1, 120 kDa isoform	P13591	-0.01	0.777	94.574
Inosine-5'-monophosphate dehydrogenase 1	P20839	-0.01	0.785	55.406
Lymphotactin	P47992	-0.01	0.785	12.517
Immunoglobulin G	P01857	-0.01	0.789	36.106
Peroxiredoxin-5, mitochondrial	P30044	0.01	0.790	22.086
Cathepsin G	P08311	-0.01	0.799	28.837
Heterogeneous nuclear ribonucleoprotein K	P61978	0.01	0.805	50.976
Desmoglein-2	Q14126	0.01	0.807	122.294
Chloride intracellular channel protein 1	O00299	0.01	0.819	26.923
Stem Cell Growth Factor-alpha	Q9Y240	-0.01	0.823	35.695
Endothelin-converting enzyme 1	P42892	0.01	0.824	87.164
Lymphotoxin-alpha	P01374	0.01	0.826	22.297
Desmoglein-1	Q02413	-0.01	0.832	113.748
X-linked interleukin-1 receptor accessory protein-like 2	Q9NP60	-0.01	0.833	78.670
Kallikrein-6	Q92876	0.01	0.837	26.856

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Mitogen-activated protein kinase 8	P45983	-0.01	0.837	48.296
Fibrinogen	P02671 P02675 P02679	-0.01	0.838	94.973
Microtubule-associated protein tau	P10636	-0.01	0.848	78.928
Glial fibrillary acidic protein	P14136	-0.01	0.848	49.880
Interleukin-2 receptor subunit alpha	P01589	-0.01	0.852	30.819
Carbohydrate sulfotransferase 15	Q7LFX5	0.01	0.852	64.926
Sphingosine kinase 2	Q9NRA0	-0.01	0.869	69.217
Tumor necrosis factor receptor superfamily member 13B	O14836	-0.01	0.871	31.816
C-C motif chemokine 1	P22362	0.01	0.872	10.992
Insulin	P01308	-0.01	0.873	11.981
Coagulation Factor VII	P08709	0	0.892	51.594
Low molecular weight phosphotyrosine protein phosphatase	P24666	0	0.898	18.042
N-acyl ethanolamine-hydrolyzing acid amidase	Q02083	0	0.898	40.066
Fibroblast growth factor 5	P12034	0	0.899	29.551
X-ray repair cross-complementing protein 6	P12956	0	0.902	69.843
Serine/threonine-protein kinase pim-1	P11309	0	0.902	45.412
Cofilin-1	P23528	0	0.905	18.502
High affinity immunoglobulin gamma Fc receptor I	P12314	0	0.909	42.632
Eukaryotic translation initiation factor 4E-binding protein 2	Q13542	0	0.911	12.939
Glucose-6-phosphate isomerase	P06744	0	0.913	63.147

<b>Protein</b>	<b>UniProt ID</b>	<b>Spearman rho</b>	<b>p-value</b>	<b>Molecular Weight (kDa)</b>
Integrin alpha-I: beta-1 complex	P56199, P05556	0	0.914	130.848
Tumor necrosis factor receptor superfamily member 25	Q93038	0	0.915	45.385
Placenta growth factor	P49763	0	0.921	24.789
Contactin-1	Q12860	0	0.938	113.320
Inhibin beta A chain:Inhibin beta B chain heterodimer	P08476 P09529	0	0.939	47.442
Sonic hedgehog protein	Q15465	0	0.940	49.607
MAP kinase-activated protein kinase 5	Q8IW41	0	0.940	54.220
Stromelysin-2	P09238	0	0.943	54.151
Semaphorin-6A	Q9H2E6	0	0.944	114.395
Sorting nexin-4	O95219	0	0.945	51.909
Apolipoprotein B	P04114	0	0.946	515.605
Mannose-binding protein C	P11226	0	0.958	26.144
Tumor necrosis factor receptor superfamily member 12A	Q9NP84	0	0.960	13.911
High affinity nerve growth factor receptor	P04629	0	0.963	87.497
Protein lin-7 homolog B	Q9HAP6	0	0.964	22.896
Heat shock cognate 71 kDa protein	P11142	0	0.969	70.898
Stem Cell Growth Factor-beta	Q9Y240	0	0.981	35.695
Fibroblast growth factor 17	O60258	0	0.985	24.891
Cadherin-12	P55289	0	0.998	88.332

Protein	UniProt ID	HR	p-value	Bonferroni corrected p-value	HR corrected for eGFR	p-value (HR corrected for eGFR)	p-value (HR corrected for eGFR and Bonferroni corrected)
Metalloproteinase inhibitor 1	P01033	1.34	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.28	2.11x10 <sup>-13</sup>	2.22x10 <sup>-10</sup>
Insulin-like growth factor-binding protein 2	P18065	1.57	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.41	6.92x10 <sup>-11</sup>	7.30x10 <sup>-08</sup>
Angiopoietin-2	O15123	1.66	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.52	0	0
Cystatin-C	P01034	1.48	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.49	2.22x10 <sup>-06</sup>	0.00234
Ephrin-A4	P52798	1.43	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.25	0.000372	0.392
Cadherin-3	P22223	0.67	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	0.74	3.76x10 <sup>-09</sup>	3.96x10 <sup>-06</sup>
Tumor necrosis factor receptor superfamily member 1A	P19438	1.23	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.13	0.00177	1
Epidermal growth factor receptor	P00533	0.59	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	0.65	5.66x10 <sup>-15</sup>	5.97x10 <sup>-12</sup>
Matrilysin	P09237	1.52	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.37	1.16x10 <sup>-11</sup>	1.23x10 <sup>-08</sup>
Complement component C7	P10643	1.46	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.46	0	0
C-C motif chemokine 14	Q16627	1.54	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.33	2.80x10 <sup>-06</sup>	0.00295
Neuroblastoma suppressor of tumorigenicity 1	P41271	1.43	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.28	0.000461	0.4857
Growth hormone receptor	P10912	0.62	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	0.68	7.88x10 <sup>-15</sup>	8.31x10 <sup>-12</sup>
Alpha-2-antiplasmin	P08697	0.64	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	0.7	1.87x10 <sup>-12</sup>	1.97x10 <sup>-09</sup>
Tumor necrosis factor receptor superfamily member 27	Q9HAV5	1.26	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.17	1.51x10 <sup>-05</sup>	0.0159
Tumor necrosis factor receptor superfamily member 1B	P20333	1.56	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.41	9.41x10 <sup>-09</sup>	9.92x10 <sup>-06</sup>
Thrombospondin-2	P35442	1.53	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.47	0	0
Follistatin-related protein 3	O95633	1.55	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.4	6.14x10 <sup>-08</sup>	6.48x10 <sup>-05</sup>
Beta-2-microglobulin	P61769	1.53	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.5	1.77x10 <sup>-09</sup>	1.87x10 <sup>-06</sup>
Beta-Ala-His dipeptidase	Q96KN2	0.69	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	0.72	2.78x10 <sup>-15</sup>	2.93x10 <sup>-12</sup>
Cathepsin H	P09668	1.52	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.45	2.95x10 <sup>-08</sup>	3.11x10 <sup>-05</sup>
Spondin-1	Q9HCB6	1.4	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.33	3.35x10 <sup>-12</sup>	3.53x10 <sup>-09</sup>
Macrophage metalloelastase	P39900	1.65	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.5	8.88x10 <sup>-16</sup>	9.36x10 <sup>-13</sup>
Ephrin type-A receptor 2	P29317	1.42	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.26	3.77x10 <sup>-06</sup>	0.00397
Adapter molecule crk	P46108	1.37	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.17	0.007316	1
Tumor necrosis factor receptor superfamily member 19L	Q969Z4	1.45	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.26	0.000289	0.305
Scavenger receptor class F member 1	Q14162	1.38	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.2	0.000298	0.314
Hepatitis A virus cellular receptor 2	Q8TDQ0	1.59	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.42	1.77x10 <sup>-10</sup>	1.86x10 <sup>-07</sup>
Delta-like protein 1	O00548	1.31	<2.2x10 <sup>-16</sup>	<2.2x10 <sup>-16</sup>	1.21	6.03x10 <sup>-07</sup>	0.000635
Interleukin-18-binding protein	O95998	1.49	1.11x10 <sup>-16</sup>	1.17x10 <sup>-13</sup>	1.35	9.84x10 <sup>-09</sup>	1.04x10 <sup>-05</sup>
Macrophage-capping protein	P40121	1.35	2.22x10 <sup>-16</sup>	2.34x10 <sup>-13</sup>	1.22	7.91x10 <sup>-06</sup>	0.00834
Netrin receptor UNC5C	O95185	1.43	2.22x10 <sup>-16</sup>	2.34x10 <sup>-13</sup>	1.23	0.000264	0.278
Brain-specific serine protease 4	Q9GZN4	1.42	3.33x10 <sup>-16</sup>	3.51x10 <sup>-13</sup>	1.3	2.66x10 <sup>-08</sup>	2.80x10 <sup>-05</sup>
C-C motif chemokine 18	P55774	1.46	4.44x10 <sup>-16</sup>	4.68x10 <sup>-13</sup>	1.35	1.27x10 <sup>-09</sup>	1.34x10 <sup>-06</sup>
Chordin-like protein 1	Q9BU40	1.47	5.55x10 <sup>-16</sup>	5.85x10 <sup>-13</sup>	1.31	1.33x10 <sup>-07</sup>	0.000140

Protein	UniProt ID	HR	p-value	Bonferroni corrected p-value	HR corrected for eGFR	p-value (HR corrected for eGFR)	p-value (HR corrected for eGFR and Bonferroni corrected)
Ephrin type-B receptor 2	P29323	1.49	5.55x10 <sup>-16</sup>	5.85x10 <sup>-13</sup>	1.33	4.61x10 <sup>-08</sup>	4.85x10 <sup>-05</sup>
Endostatin	P39060	1.5	6.66x10 <sup>-16</sup>	7.02x10 <sup>-13</sup>	1.26	0.000147	0.155
SLAM family member 5	Q9UIB8	1.29	1.24x10 <sup>-14</sup>	1.31x10 <sup>-11</sup>	1.23	1.59x10 <sup>-07</sup>	0.000167
Vitamin K-dependent protein C	P04070	0.74	1.44x10 <sup>-14</sup>	1.52x10 <sup>-11</sup>	0.76	1.06x10 <sup>-10</sup>	1.12x10 <sup>-07</sup>
Cell adhesion molecule-related/down-regulated by oncogenes	Q4KMG0	0.7	1.91x10 <sup>-14</sup>	2.01x10 <sup>-11</sup>	0.78	9.85x10 <sup>-07</sup>	0.00104
Bone morphogenetic protein 1	P13497	0.7	2.63x10 <sup>-14</sup>	2.77x10 <sup>-11</sup>	0.78	8.03x10 <sup>-07</sup>	0.000847
Ephrin-A5	P52803	1.36	3.03x10 <sup>-14</sup>	3.19x10 <sup>-11</sup>	1.1	0.113	1
Endothelial cell-selective adhesion molecule	Q96AP7	1.36	6.36x10 <sup>-14</sup>	6.71x10 <sup>-11</sup>	1.04	0.521	1
Protein jagged-1	P78504	1.42	9.56x10 <sup>-14</sup>	1.01x10 <sup>-10</sup>	1.36	1.54x10 <sup>-10</sup>	1.62x10 <sup>-07</sup>
PSA:alpha-1-antichymotrypsin complex	P07288, P01011	1.38	1.15x10 <sup>-13</sup>	1.21x10 <sup>-10</sup>	1.3	7.97x10 <sup>-09</sup>	8.40x10 <sup>-06</sup>
Proto-oncogene tyrosine-protein kinase receptor Ret	P07949	0.65	1.20x10 <sup>-13</sup>	1.27x10 <sup>-10</sup>	0.74	1.36x10 <sup>-07</sup>	0.000143
Platelet-activating factor acetylhydrolase IB subunit beta	P68402	1.29	2.41x10 <sup>-13</sup>	2.54x10 <sup>-10</sup>	1.13	0.0105	1
Creatine kinase M-type:Creatine kinase B-type heterodimer	P12277 P06732	0.68	2.80x10 <sup>-13</sup>	2.95x10 <sup>-10</sup>	0.75	1.38x10 <sup>-07</sup>	0.000146
Complement component C9	P02748	1.47	3.94x10 <sup>-13</sup>	4.16x10 <sup>-10</sup>	1.39	7.28x10 <sup>-10</sup>	7.67x10 <sup>-07</sup>
Dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A	Q9HCR9	0.67	4.20x10 <sup>-13</sup>	4.43x10 <sup>-10</sup>	0.77	3.75x10 <sup>-06</sup>	0.00396
Trefoil factor 3	Q07654	1.3	7.64x10 <sup>-13</sup>	8.05x10 <sup>-10</sup>	1.11	0.0539	1
Urokinase plasminogen activator surface receptor	Q03405	1.28	1.87x10 <sup>-12</sup>	1.97x10 <sup>-09</sup>	1.21	1.23x10 <sup>-05</sup>	0.0129
Tissue Factor	P13726	1.22	2.74x10 <sup>-12</sup>	2.89x10 <sup>-09</sup>	1.15	0.000159	0.167
Tumor necrosis factor ligand superfamily member 15	O95150	1.27	2.88x10 <sup>-12</sup>	3.03x10 <sup>-09</sup>	1.13	0.00479	1
Troponin I, cardiac muscle	P19429	1.26	3.06x10 <sup>-12</sup>	3.23x10 <sup>-09</sup>	1.26	6.00x10 <sup>-11</sup>	6.33x10 <sup>-08</sup>
Glutathione S-transferase P	P09211	1.35	5.50x10 <sup>-12</sup>	5.80x10 <sup>-09</sup>	1.15	0.00686	1
Neuroigin-4, X-linked	Q8NOW4	1.28	7.06x10 <sup>-12</sup>	7.44x10 <sup>-09</sup>	1.18	5.16x10 <sup>-05</sup>	0.0544
Angiostatin	P00747	0.72	9.43x10 <sup>-12</sup>	9.94x10 <sup>-09</sup>	0.81	3.51x10 <sup>-05</sup>	0.0370
Vascular endothelial growth factor A	P15692	1.38	1.55x10 <sup>-11</sup>	1.64x10 <sup>-08</sup>	1.23	5.05x10 <sup>-05</sup>	0.0532
Creatine kinase M-type	P06732	0.69	1.83x10 <sup>-11</sup>	1.93x10 <sup>-08</sup>	0.74	9.15x10 <sup>-08</sup>	9.64x10 <sup>-05</sup>
Elafin	P19957	1.34	1.86x10 <sup>-11</sup>	1.96x10 <sup>-08</sup>	1.13	0.0215	1
Fibroblast growth factor 7	P21781	1.24	2.58x10 <sup>-11</sup>	2.72x10 <sup>-08</sup>	1.2	5.70x10 <sup>-07</sup>	0.000601
Vascular endothelial growth factor receptor 2	P35968	0.73	2.84x10 <sup>-11</sup>	2.99x10 <sup>-08</sup>	0.81	2.50x10 <sup>-05</sup>	0.0264
Receptor tyrosine-protein kinase erbB-3	P21860	0.71	3.57x10 <sup>-11</sup>	3.77x10 <sup>-08</sup>	0.81	0.000223	0.2355
C-X-C motif chemokine 13	O43927	1.28	3.70x10 <sup>-11</sup>	3.90x10 <sup>-08</sup>	1.24	4.05x10 <sup>-08</sup>	4.27x10 <sup>-05</sup>
Plasma kallikrein	P03952	0.75	4.33x10 <sup>-11</sup>	4.57x10 <sup>-08</sup>	0.8	7.56x10 <sup>-07</sup>	0.000796
Stanniocalcin-1	P52823	1.33	5.88x10 <sup>-11</sup>	6.20x10 <sup>-08</sup>	1.21	4.73x10 <sup>-05</sup>	0.0498
Kallikrein-11	Q9UBX7	1.3	6.26x10 <sup>-11</sup>	6.60x10 <sup>-08</sup>	1.11	0.0415	1

Protein	UniProt ID	HR	p-value	Bonferroni corrected p-value	HR corrected for eGFR	p-value (HR corrected for eGFR)	p-value (HR corrected for eGFR and Bonferroni corrected)
Periostin	Q15063	1.38	6.61x10 <sup>-11</sup>	6.97x10 <sup>-08</sup>	1.28	1.04x10 <sup>-06</sup>	0.00110
Insulin-like growth factor-binding protein 6	P24592	1.26	1.14x10 <sup>-10</sup>	1.20x10 <sup>-07</sup>	0.92	0.237	1
Angiopoietin-related protein 4	Q9BY76	1.26	1.80x10 <sup>-10</sup>	1.89x10 <sup>-07</sup>	1.23	8.20x10 <sup>-08</sup>	8.64x10 <sup>-05</sup>
Pancreatic hormone	P01298	1.32	1.94x10 <sup>-10</sup>	2.04x10 <sup>-07</sup>	1.19	0.000248	0.261
Heat shock 70 kDa protein 1A/1B	P08107	1.33	4.37x10 <sup>-10</sup>	4.60x10 <sup>-07</sup>	1.28	1.60x10 <sup>-07</sup>	0.000168
Fatty acid-binding protein, heart	P05413	1.26	4.50x10 <sup>-10</sup>	4.75x10 <sup>-07</sup>	1.09	0.0923	1
Antileukoproteinase	P03973	1.32	5.57x10 <sup>-10</sup>	5.87x10 <sup>-07</sup>	1.15	0.00724	1
Low affinity immunoglobulin gamma Fc region receptor III-B	O75015	1.33	8.93x10 <sup>-10</sup>	9.42x10 <sup>-07</sup>	1.3	1.85x10 <sup>-08</sup>	1.95x10 <sup>-05</sup>
Tumor necrosis factor receptor superfamily member 21	O75509	1.34	1.07x10 <sup>-09</sup>	1.13x10 <sup>-06</sup>	1.11	0.0744	1
Coiled-coil domain-containing protein 80	Q76M96	1.33	1.11x10 <sup>-09</sup>	1.17x10 <sup>-06</sup>	1.17	0.00254	1
15-hydroxyprostaglandin dehydrogenase [NAD(+)]	P15428	0.72	1.15x10 <sup>-09</sup>	1.21x10 <sup>-06</sup>	0.79	6.43x10 <sup>-06</sup>	0.00678
A disintegrin and metalloproteinase with thrombospondin motifs 13	Q76LX8	0.77	1.22x10 <sup>-09</sup>	1.29x10 <sup>-06</sup>	0.87	0.00553	1
Lymphocyte activation gene 3 protein	P18627	1.34	1.30x10 <sup>-09</sup>	1.37x10 <sup>-06</sup>	1.28	5.88x10 <sup>-07</sup>	0.000619
Kallistatin	P29622	0.76	1.73x10 <sup>-09</sup>	1.83x10 <sup>-06</sup>	0.8	1.90x10 <sup>-06</sup>	0.00200
Stromelysin-1	P08254	1.33	1.74x10 <sup>-09</sup>	1.84x10 <sup>-06</sup>	1.19	0.000275	0.290
Interleukin-15 receptor subunit alpha	Q13261	1.19	1.81x10 <sup>-09</sup>	1.91x10 <sup>-06</sup>	1.09	0.0238	1
Afamin	P43652	0.8	1.89x10 <sup>-09</sup>	1.99x10 <sup>-06</sup>	0.87	0.00162	1
Cystatin-D	P28325	1.31	1.95x10 <sup>-09</sup>	2.05x10 <sup>-06</sup>	1.09	0.103	1
CD48 antigen	P09326	1.28	2.01x10 <sup>-09</sup>	2.12x10 <sup>-06</sup>	1.19	7.78x10 <sup>-05</sup>	0.082
Interleukin-1 receptor-like 1	Q01638	1.3	2.28x10 <sup>-09</sup>	2.40x10 <sup>-06</sup>	1.28	3.10x10 <sup>-08</sup>	3.27x10 <sup>-05</sup>
Cerebral dopamine neurotrophic factor	Q49AH0	1.31	2.37x10 <sup>-09</sup>	2.50x10 <sup>-06</sup>	1	0.965	1
Growth/differentiation factor 11	O95390	0.71	2.46x10 <sup>-09</sup>	2.59x10 <sup>-06</sup>	0.74	1.06x10 <sup>-07</sup>	0.000112
Brain natriuretic peptide 32	P16860	1.21	3.13x10 <sup>-09</sup>	3.30x10 <sup>-06</sup>	1.19	1.64x10 <sup>-07</sup>	0.000173
Cathepsin Z	Q9UBR2	1.3	3.51x10 <sup>-09</sup>	3.70x10 <sup>-06</sup>	1.18	0.000799	0.842
Neurexophilin-1	P58417	0.75	4.00x10 <sup>-09</sup>	4.21x10 <sup>-06</sup>	0.82	0.000218	0.230
C-type lectin domain family 4 member M	Q9H2X3	0.76	4.37x10 <sup>-09</sup>	4.61x10 <sup>-06</sup>	0.86	0.00177	1
Prothrombin	P00734	0.79	4.41x10 <sup>-09</sup>	4.65x10 <sup>-06</sup>	0.84	6.03x10 <sup>-05</sup>	0.0636
Platelet glycoprotein VI	Q9HCN6	1.31	4.68x10 <sup>-09</sup>	4.93x10 <sup>-06</sup>	1.13	0.0145	1
Immunoglobulin G	P01857	1.32	4.89x10 <sup>-09</sup>	5.16x10 <sup>-06</sup>	1.33	8.11x10 <sup>-09</sup>	8.55x10 <sup>-06</sup>
Layilin	Q6UX15	1.25	5.16x10 <sup>-09</sup>	5.44x10 <sup>-06</sup>	0.99	0.837	1
Coagulation factor Xa	P00742	0.79	6.57x10 <sup>-09</sup>	6.92x10 <sup>-06</sup>	0.82	2.71x10 <sup>-06</sup>	0.00285
C-C motif chemokine 23	P55773	1.3	6.65x10 <sup>-09</sup>	7.00x10 <sup>-06</sup>	1.12	0.0285	1
Tyrosine-protein kinase Yes	P07947	1.26	7.33x10 <sup>-09</sup>	7.72x10 <sup>-06</sup>	1.21	8.05x10 <sup>-06</sup>	0.00848

Protein	UniProt ID	HR	p-value	Bonferroni corrected p-value	HR corrected for eGFR	p-value (HR corrected for eGFR)	p-value (HR corrected for eGFR and Bonferroni corrected)
Cathepsin L2	O60911	0.75	7.94x10 <sup>-09</sup>	8.36x10 <sup>-06</sup>	0.88	0.0170	1
Ficolin-3	O75636	0.78	7.96x10 <sup>-09</sup>	8.38x10 <sup>-06</sup>	0.85	0.000369	0.389
Dickkopf-like protein 1	Q9UK85	0.74	8.48x10 <sup>-09</sup>	8.94x10 <sup>-06</sup>	0.81	9.78x10 <sup>-05</sup>	0.103
Midkine	P21741	1.23	9.16x10 <sup>-09</sup>	9.66x10 <sup>-06</sup>	1.21	4.29x10 <sup>-07</sup>	0.000452
Interleukin-17 receptor C	Q8NAC3	1.22	9.74x10 <sup>-09</sup>	1.03x10 <sup>-05</sup>	1.1	0.0343	1
Phospholipase A2, membrane associated	P14555	1.27	9.86x10 <sup>-09</sup>	1.04x10 <sup>-05</sup>	1.23	2.10x10 <sup>-06</sup>	0.00221
Alpha-2-HS-glycoprotein	P02765	0.77	1.56x10 <sup>-08</sup>	1.65x10 <sup>-05</sup>	0.85	0.000885	0.933
Ephrin type-B receptor 6	O15197	1.24	1.66x10 <sup>-08</sup>	1.75x10 <sup>-05</sup>	1	0.990	1
Insulin-like growth factor-binding protein 1	P08833	1.29	2.24x10 <sup>-08</sup>	2.36x10 <sup>-05</sup>	1.23	1.16x10 <sup>-05</sup>	0.0122
Serine protease HTRA2, mitochondrial	O43464	1.27	2.75x10 <sup>-08</sup>	2.90x10 <sup>-05</sup>	1.16	0.00229	1
Ck-beta-8-1	P55773	1.34	3.18x10 <sup>-08</sup>	3.35x10 <sup>-05</sup>	1.15	0.0145	1
Renin	P00797	1.28	3.24x10 <sup>-08</sup>	3.41x10 <sup>-05</sup>	1.24	1.52x10 <sup>-06</sup>	0.00160
Resistin	Q9HD89	1.28	3.56x10 <sup>-08</sup>	3.75x10 <sup>-05</sup>	1.06	0.30305	1
Tyrosine-protein kinase transmembrane receptor ROR1	Q01973	1.23	4.40x10 <sup>-08</sup>	4.63x10 <sup>-05</sup>	1.08	0.149	1
Tumor necrosis factor receptor superfamily member 9	Q07011	1.18	7.87x10 <sup>-08</sup>	8.30x10 <sup>-05</sup>	1.1	0.0129	1
Pappalysin-1	Q13219	1.28	8.52x10 <sup>-08</sup>	8.98x10 <sup>-05</sup>	1.13	0.0146	1
Bone sialoprotein 2	P21815	1.26	9.63x10 <sup>-08</sup>	1.01x10 <sup>-04</sup>	1.14	0.00485	1
SHC-transforming protein 1	P29353	1.22	1.26x10 <sup>-07</sup>	1.33x10 <sup>-04</sup>	1.08	0.0939	1
Neuropilin-1	O14786	1.21	1.32x10 <sup>-07</sup>	1.39x10 <sup>-04</sup>	1.19	4.05x10 <sup>-06</sup>	0.00427
Fibroblast growth factor 23	Q9GZV9	1.18	1.62x10 <sup>-07</sup>	1.70x10 <sup>-04</sup>	1.1	0.00536	1
Fibroblast growth factor 20	Q9NP95	0.74	2.03x10 <sup>-07</sup>	2.14x10 <sup>-04</sup>	0.9	0.0768	1
Superoxide dismutase [Mn], mitochondrial	P04179	0.77	2.07x10 <sup>-07</sup>	2.18x10 <sup>-04</sup>	0.88	0.0158	1
Interleukin-8	P10145	1.18	3.26x10 <sup>-07</sup>	3.43x10 <sup>-04</sup>	1.2	2.70x10 <sup>-08</sup>	2.85x10 <sup>-05</sup>
Nidogen-1	P14543	1.27	3.75x10 <sup>-07</sup>	3.95x10 <sup>-04</sup>	1.23	4.03x10 <sup>-06</sup>	0.00425
Seprase	Q12884	0.73	4.21x10 <sup>-07</sup>	4.44x10 <sup>-04</sup>	0.79	0.000102	0.108
Tumor necrosis factor receptor superfamily member 19	Q9NS68	1.17	4.51x10 <sup>-07</sup>	4.75x10 <sup>-04</sup>	1.03	0.471	1
Oxidized low-density lipoprotein receptor 1	P78380	1.24	5.23x10 <sup>-07</sup>	5.51x10 <sup>-04</sup>	1.23	2.03x10 <sup>-06</sup>	0.00214
Cytochrome P450 3A4	P08684	0.78	5.78x10 <sup>-07</sup>	6.09x10 <sup>-04</sup>	0.84	0.000540	0.569
Tenascin	P24821	1.26	6.31x10 <sup>-07</sup>	6.66x10 <sup>-04</sup>	1.32	2.55x10 <sup>-09</sup>	2.69x10 <sup>-06</sup>
Malate dehydrogenase, cytoplasmic	P40925	0.79	6.41x10 <sup>-07</sup>	6.76x10 <sup>-04</sup>	0.88	0.00776	1
Insulin-like growth factor-binding protein 7	Q16270	1.26	6.67x10 <sup>-07</sup>	7.03x10 <sup>-04</sup>	1.33	1.06x10 <sup>-09</sup>	1.11x10 <sup>-06</sup>
Muellerian-inhibiting factor	P03971	0.83	7.84x10 <sup>-07</sup>	8.27x10 <sup>-04</sup>	0.88	0.00451	1
BDNF/NT-3 growth factors receptor	Q16620	0.77	8.22x10 <sup>-07</sup>	8.66x10 <sup>-04</sup>	0.86	0.00450	1
Stromal cell-derived factor 1	P48061	1.26	8.71x10 <sup>-07</sup>	9.18x10 <sup>-04</sup>	1.22	5.91x10 <sup>-05</sup>	0.0623

Protein	UniProt ID	HR	p-value	Bonferroni corrected p-value	HR corrected for eGFR	p-value (HR corrected for eGFR)	p-value (HR corrected for eGFR and Bonferroni corrected)
Complement factor D	P00746	1.17	8.91x10 <sup>-07</sup>	9.39x10 <sup>-04</sup>	1.06	0.229	1
Ectonucleoside triphosphate diphosphohydrolase 5	O75356	0.79	9.33x10 <sup>-07</sup>	9.84x10 <sup>-04</sup>	0.85	0.000929	0.979
Carbonic anhydrase 3	P07451	1.25	9.48x10 <sup>-07</sup>	9.99x10 <sup>-04</sup>	1.09	0.0952	1
C-C motif chemokine 7	P80098	1.22	1.05x10 <sup>-06</sup>	1.10x10 <sup>-03</sup>	1.15	0.00125	1
Tumor necrosis factor ligand superfamily member 12	O43508	0.72	1.09x10 <sup>-06</sup>	1.14x10 <sup>-03</sup>	0.78	0.000134	0.142
cGMP-dependent 3',5'-cyclic phosphodiesterase	O00408	0.78	1.23x10 <sup>-06</sup>	1.29x10 <sup>-03</sup>	0.86	0.00303	1
Alpha-(1,3)-fucosyltransferase 5	Q11128	1.27	1.53x10 <sup>-06</sup>	1.61x10 <sup>-03</sup>	1.23	3.43x10 <sup>-05</sup>	0.0362
Plasminogen	P00747	0.79	1.64x10 <sup>-06</sup>	1.73x10 <sup>-03</sup>	0.85	0.00151	1
Neurogenic locus notch homolog protein 1	P46531	0.81	1.78x10 <sup>-06</sup>	1.88x10 <sup>-03</sup>	0.87	0.00225	1
Matrilin-2	O00339	1.25	1.98x10 <sup>-06</sup>	2.09x10 <sup>-03</sup>	1.03	0.510	1
Tyrosine-protein phosphatase non-receptor type 1	P18031	0.76	2.28x10 <sup>-06</sup>	2.41x10 <sup>-03</sup>	0.83	0.00149	1
C-X-C motif chemokine 10	P02778	1.23	2.33x10 <sup>-06</sup>	2.46x10 <sup>-03</sup>	1.21	2.59x10 <sup>-05</sup>	0.0273
Heparin cofactor 2	P05546	0.81	2.50x10 <sup>-06</sup>	2.64x10 <sup>-03</sup>	0.85	0.000310	0.326
Neurogenic locus notch homolog protein 3	Q9UM47	1.2	2.52x10 <sup>-06</sup>	2.66x10 <sup>-03</sup>	1.13	0.00582	1
Lipopolysaccharide-binding protein	P18428	1.27	2.56x10 <sup>-06</sup>	2.70x10 <sup>-03</sup>	1.23	5.02x10 <sup>-05</sup>	0.0529
Testican-1	Q08629	0.79	2.74x10 <sup>-06</sup>	2.89x10 <sup>-03</sup>	0.85	0.00197	1
Interleukin-1 receptor type 1	P14778	1.26	2.94x10 <sup>-06</sup>	3.10x10 <sup>-03</sup>	1.18	0.000661	0.696
C-C motif chemokine 3	P10147	1.17	3.03x10 <sup>-06</sup>	3.19x10 <sup>-03</sup>	1.1	0.0131	1
Tumor necrosis factor ligand superfamily member 8	P32971	1.21	3.11x10 <sup>-06</sup>	3.27x10 <sup>-03</sup>	1.22	7.46x10 <sup>-07</sup>	0.000787
Antithrombin-III	P01008	0.83	3.44x10 <sup>-06</sup>	3.62x10 <sup>-03</sup>	0.87	0.00130	1
6-phosphogluconate dehydrogenase, decarboxylating	P52209	0.8	3.44x10 <sup>-06</sup>	3.63x10 <sup>-03</sup>	0.92	0.0690	1
Alcohol dehydrogenase [NADP(+)]	P14550	1.24	3.45x10 <sup>-06</sup>	3.63x10 <sup>-03</sup>	1.13	0.0128	1
Opioid-binding protein/cell adhesion molecule	Q14982	0.79	3.68x10 <sup>-06</sup>	3.88x10 <sup>-03</sup>	0.81	5.88x10 <sup>-05</sup>	0.0620
Intercellular adhesion molecule 5	Q9UMF0	1.21	3.99x10 <sup>-06</sup>	4.21x10 <sup>-03</sup>	1.23	3.65x10 <sup>-07</sup>	0.000385
Cystatin-SA	P09228	1.24	4.61x10 <sup>-06</sup>	4.86x10 <sup>-03</sup>	1.01	0.831	1
Aminoacylase-1	Q03154	0.79	5.02x10 <sup>-06</sup>	5.29x10 <sup>-03</sup>	0.9	0.0468	1
Ficolin-2	Q15485	0.83	5.10x10 <sup>-06</sup>	5.37x10 <sup>-03</sup>	0.89	0.00662	1
Insulin-like growth factor 1 receptor	P08069	1.25	5.17x10 <sup>-06</sup>	5.45x10 <sup>-03</sup>	1.23	1.51x10 <sup>-05</sup>	0.0159
Serine/threonine-protein kinase 17B	O94768	0.79	5.45x10 <sup>-06</sup>	5.75x10 <sup>-03</sup>	0.88	0.0156	1
T-lymphocyte surface antigen Ly-9	Q9HBG7	1.24	6.00x10 <sup>-06</sup>	6.32x10 <sup>-03</sup>	1.19	0.000390	0.412
Programmed cell death 1 ligand 1	Q9NZQ7	1.19	6.04x10 <sup>-06</sup>	6.36x10 <sup>-03</sup>	1.15	0.000847	0.893
Carbonic anhydrase 6	P23280	0.81	6.89x10 <sup>-06</sup>	7.26x10 <sup>-03</sup>	0.84	0.000192	0.203



Protein	UniProt ID	HR	p-value	Bonferroni corrected p-value	HR corrected for eGFR	p-value (HR corrected for eGFR)	p-value (HR corrected for eGFR and Bonferroni corrected)
Junctional adhesion molecule B	P57087	1.18	7.15x10 <sup>-06</sup>	7.54x10 <sup>-03</sup>	0.93	0.221	1
Dual specificity mitogen-activated protein kinase kinase 4	P45985	0.82	7.19x10 <sup>-06</sup>	7.58x10 <sup>-03</sup>	0.84	0.000168	0.177
gp41 C34 peptide, HIV	Q70626	1.2	7.41x10 <sup>-06</sup>	7.81x10 <sup>-03</sup>	1.08	0.119	1
Plasminogen activator inhibitor 1	P05121	0.8	7.54x10 <sup>-06</sup>	7.95x10 <sup>-03</sup>	0.88	0.00669	1
Transmembrane glycoprotein NMB	Q14956	1.22	8.40x10 <sup>-06</sup>	8.85x10 <sup>-03</sup>	1.18	0.000189	0.199
N-acetyl-D-glucosamine kinase	Q9UJ70	1.23	9.26x10 <sup>-06</sup>	9.76x10 <sup>-03</sup>	1.31	3.54x10 <sup>-09</sup>	3.73x10 <sup>-06</sup>
Low affinity immunoglobulin gamma Fc region receptor II-a/b	P12318 P31994	1.23	1.04x10 <sup>-05</sup>	1.09x10 <sup>-02</sup>	1.22	4.20x10 <sup>-05</sup>	0.0443
C-C motif chemokine 4-like	Q8NHW4	1.21	1.18x10 <sup>-05</sup>	1.24x10 <sup>-02</sup>	1.19	8.30x10 <sup>-05</sup>	0.0875
Cathepsin B	P07858	1.22	1.27x10 <sup>-05</sup>	1.33x10 <sup>-02</sup>	1.2	3.76x10 <sup>-05</sup>	0.0396
Kunitz-type protease inhibitor 2	O43291	1.17	1.31x10 <sup>-05</sup>	1.38x10 <sup>-02</sup>	1.1	0.0282	1
CD5 antigen-like	O43866	1.21	1.52x10 <sup>-05</sup>	1.60x10 <sup>-02</sup>	1.15	0.00110	1
Vascular endothelial growth factor C	P49767	1.15	1.74x10 <sup>-05</sup>	1.83x10 <sup>-02</sup>	1.08	0.0383	1
Endothelin-converting enzyme 1	P42892	0.82	1.79x10 <sup>-05</sup>	1.89x10 <sup>-02</sup>	0.83	8.83x10 <sup>-05</sup>	0.0931
dCTP pyrophosphatase 1	Q9H773	1.24	1.80x10 <sup>-05</sup>	1.90x10 <sup>-02</sup>	1.18	0.000937	0.988
Fibrinogen gamma chain	P02679	1.23	1.81x10 <sup>-05</sup>	1.90x10 <sup>-02</sup>	1.19	0.000237	0.250
Mannose-binding protein C	P11226	1.23	2.01x10 <sup>-05</sup>	2.12x10 <sup>-02</sup>	1.22	6.49x10 <sup>-05</sup>	0.0684
Complement component 1 Q subcomponent-binding protein, mitochondrial	Q07021	0.72	2.33x10 <sup>-05</sup>	2.45x10 <sup>-02</sup>	0.85	0.0247	1
Mammaglobin-B	O75556	0.79	2.33x10 <sup>-05</sup>	2.46x10 <sup>-02</sup>	0.86	0.00616	1
Neutral ceramidase	Q9NR71	0.82	2.34x10 <sup>-05</sup>	2.46x10 <sup>-02</sup>	0.88	0.00999	1
von Willebrand factor	P04275	1.22	2.44x10 <sup>-05</sup>	2.57x10 <sup>-02</sup>	1.18	0.000592	0.624
Dual specificity mitogen-activated protein kinase kinase 2	P36507	1.22	2.61x10 <sup>-05</sup>	2.75x10 <sup>-02</sup>	0.99	0.907	1
Calcium/calmodulin-dependent protein kinase type 1	Q14012	0.82	2.64x10 <sup>-05</sup>	2.78x10 <sup>-02</sup>	0.84	0.000198	0.209
Inosine-5'-monophosphate dehydrogenase 2	P12268	0.79	2.94x10 <sup>-05</sup>	3.09x10 <sup>-02</sup>	0.86	0.00667	1
Carboxypeptidase B2	Q96IY4	0.82	3.06x10 <sup>-05</sup>	3.22x10 <sup>-02</sup>	0.87	0.00291	1
Retinoic acid receptor responder protein 2	Q99969	1.21	3.61x10 <sup>-05</sup>	3.81x10 <sup>-02</sup>	1.01	0.815	1
Endothelial monocyte-activating polypeptide 2	Q12904	0.82	3.82x10 <sup>-05</sup>	4.02x10 <sup>-02</sup>	0.89	0.0202	1
C-C motif chemokine 28	Q9NRJ3	1.21	4.03x10 <sup>-05</sup>	4.25x10 <sup>-02</sup>	1.17	0.000951	1
Cell adhesion molecule 1	Q9BY67	1.2	4.09x10 <sup>-05</sup>	4.31x10 <sup>-02</sup>	1.12	0.0193	1
Macrophage mannose receptor 1	P22897	1.22	4.44x10 <sup>-05</sup>	4.68x10 <sup>-02</sup>	1.21	3.15x10 <sup>-05</sup>	0.0332

Below: Proteins that become prognostic of cardiovascular risk only after correction for eGFR

Protein	UniProt ID	HR	p-value	Bonferroni corrected p-value	HR corrected for eGFR	p-value (corrected for eGFR)	p-value (HR corrected for eGFR and Bonferroni corrected)
Scavenger receptor cysteine-rich type 1 protein M130	Q86VB7	1.17	6.93x10 <sup>-04</sup>	7.30x10 <sup>-01</sup>	1.25	4.13x10 <sup>-06</sup>	4.35x10 <sup>-03</sup>
Insulin-like growth factor I	P05019	0.83	2.94x10 <sup>-04</sup>	3.10x10 <sup>-01</sup>	0.79	7.50x10 <sup>-06</sup>	7.90x10 <sup>-03</sup>
P-Selectin	P16109	1.2	1.46x10 <sup>-04</sup>	1.54x10 <sup>-01</sup>	1.22	1.26x10 <sup>-05</sup>	1.33x10 <sup>-02</sup>
Hemojuvelin	Q6ZVN8	0.92	9.25x10 <sup>-02</sup>	1	0.82	2.57x10 <sup>-05</sup>	2.71x10 <sup>-02</sup>
Interleukin-6 receptor subunit beta	P40189	1.17	1.09x10 <sup>-03</sup>	1	1.22	3.56x10 <sup>-05</sup>	3.75x10 <sup>-02</sup>
Sialic acid-binding Ig-like lectin 7	Q9Y286	1.1	2.77x10 <sup>-02</sup>	1	1.19	4.64x10 <sup>-05</sup>	4.89x10 <sup>-02</sup>
Interleukin-18 receptor 1	Q13478	1.2	8.83x10 <sup>-05</sup>	9.31x10 <sup>-02</sup>	1.21	4.67x10 <sup>-05</sup>	4.92x10 <sup>-02</sup>
Neurexin-1-beta	P58400	1.05	3.06x10 <sup>-01</sup>	1	0.81	2.99x10 <sup>-04</sup>	3.15x10 <sup>-01</sup>
Melanoma-derived growth regulatory protein	Q16674	0.99	8.48x10 <sup>-01</sup>	1	0.82	1.48x10 <sup>-04</sup>	1.56x10 <sup>-01</sup>
Lysosomal protective protein	P10619	1.15	2.44x10 <sup>-03</sup>	1	1.2	4.87x10 <sup>-05</sup>	5.13x10 <sup>-02</sup>
Gelsolin	P06396	0.93	1.02x10 <sup>-01</sup>	1	0.83	5.14x10 <sup>-05</sup>	5.42x10 <sup>-02</sup>
Cystatin-M	Q15828	1.13	8.01x10 <sup>-03</sup>	1	0.85	4.24x10 <sup>-03</sup>	1.00x10 <sup>+00</sup>

Table S3. Shown at the top of this supplemental table are 196 proteins associated with cardiovascular risk in the Heart and Soul cohort with unadjusted hazard ratios (HR) that were significant at Bonferroni corrected p-value < 0.05 (correction was based on all 1054 proteins measured). Also shown are HRs and their p-values after correction for eGFR. Also shown in the bottom portion of this supplemental table are 12 proteins that become prognostic of cardiovascular risk only after correction for eGFR

**Table S4. Spearman rho correlations and p-values for the 100 proteins with the strongest rho coefficients in the Heart and Soul cohort, shown with rho correlations and p-values for the same proteins reported in the Lund cohort (98 of 100 proteins which were measured in both cohorts are shown in the Table). (Lund cohort data: DOI: 10.1002/prca.201700067)**

Protein	UniProt ID	Heart and Soul rho	Heart and Soul p-value	Lund rho	Lund p-value
Cystatin-C	P01034	-0.74	1.12x10 <sup>-163</sup>	-0.85	3.86x10 <sup>-101</sup>
Insulin-like growth factor-binding protein 6	P24592	-0.7	2.86x10 <sup>-138</sup>	-0.81	7.00x10 <sup>-86</sup>
Tumor necrosis factor receptor superfamily member 1A	P19438	-0.65	2.51x10 <sup>-114</sup>	-0.6	8.65x10 <sup>-37</sup>
Neuroblastoma suppressor of tumorigenicity 1	P41271	-0.64	2.29x10 <sup>-109</sup>	-0.79	9.95x10 <sup>-79</sup>
Beta-2-microglobulin	P61769	-0.63	1.11x10 <sup>-102</sup>	-0.76	6.18x10 <sup>-69</sup>
Tumor necrosis factor receptor superfamily member 19L	Q969Z4	-0.62	1.01x10 <sup>-100</sup>	-0.56	4.44x10 <sup>-32</sup>
Cathepsin H	P09668	-0.61	1.51x10 <sup>-95</sup>	-0.31	2.16x10 <sup>-09</sup>
Follistatin-related protein 3	O95633	-0.58	7.07x10 <sup>-87</sup>	-0.79	1.78x10 <sup>-78</sup>
Endothelial cell-selective adhesion molecule	Q96AP7	-0.58	4.98x10 <sup>-86</sup>	-0.54	1.76x10 <sup>-28</sup>
Adapter molecule crk	P46108	-0.58	2.86x10 <sup>-85</sup>	-0.44	2.20x10 <sup>-18</sup>
Cerebral dopamine neurotrophic factor	Q49AH0	-0.57	3.10x10 <sup>-81</sup>	-0.71	4.68x10 <sup>-56</sup>
RGM domain family member B	Q6NW40	-0.54	1.43x10 <sup>-73</sup>	-0.51	2.44x10 <sup>-25</sup>
Ephrin-A5	P52803	-0.53	3.39x10 <sup>-70</sup>	-0.74	1.65x10 <sup>-64</sup>
Trefoil factor 3	Q07654	-0.53	6.07x10 <sup>-69</sup>	-0.76	2.12x10 <sup>-70</sup>
Tumor necrosis factor receptor superfamily member 27	Q9HAV5	-0.53	1.33x10 <sup>-67</sup>	-0.27	1.56x10 <sup>-07</sup>
Endostatin	P39060	-0.52	1.03x10 <sup>-66</sup>	-0.75	1.09x10 <sup>-66</sup>
Ephrin-A4	P52798	-0.52	3.27x10 <sup>-66</sup>	-0.6	2.71x10 <sup>-36</sup>
Netrin receptor UNC5C	O95185	-0.51	1.43x10 <sup>-64</sup>	-0.69	1.36x10 <sup>-53</sup>
Ephrin type-B receptor 6	O15197	-0.51	3.98x10 <sup>-64</sup>	-0.61	4.16x10 <sup>-38</sup>
Tumor necrosis factor receptor superfamily member 1B	P20333	-0.51	1.40x10 <sup>-63</sup>	-0.29	1.19x10 <sup>-08</sup>
Glutathione S-transferase P	P09211	-0.51	5.89x10 <sup>-62</sup>	-0.25	1.33x10 <sup>-06</sup>
C-C motif chemokine 14	Q16627	-0.5	3.76x10 <sup>-61</sup>	-0.65	1.70x10 <sup>-45</sup>
Macrophage-capping protein	P40121	-0.5	6.26x10 <sup>-61</sup>	-0.24	2.49x10 <sup>-06</sup>
Junctional adhesion molecule B	P57087	-0.5	2.76x10 <sup>-59</sup>	0.09	9.19x10 <sup>-02</sup>
Layilin	Q6UX15	-0.49	1.56x10 <sup>-57</sup>	-0.22	2.78x10 <sup>-05</sup>
Ephrin type-A receptor 2	P29317	-0.49	2.11x10 <sup>-57</sup>	-0.63	8.37x10 <sup>-42</sup>
Tyrosine-protein kinase transmembrane receptor ROR1	Q01973	-0.48	2.10x10 <sup>-56</sup>	-0.51	3.67x10 <sup>-25</sup>
Scavenger receptor class F member 1	Q14162	-0.47	1.69x10 <sup>-53</sup>	-0.12	2.40x10 <sup>-02</sup>
Fatty acid-binding protein, heart	P05413	-0.47	2.37x10 <sup>-52</sup>	-0.5	1.08x10 <sup>-24</sup>
Testican-2	Q92563	0.46	2.58x10 <sup>-51</sup>	0.42	6.64x10 <sup>-17</sup>
Netrin receptor UNC5D	Q6UXZ4	-0.46	3.25x10 <sup>-49</sup>	-0.55	1.22x10 <sup>-29</sup>

<b>Protein</b>	<b>UniProt ID</b>	<b>Heart and Soul rho</b>	<b>Heart and Soul p-value</b>	<b>Lund rho</b>	<b>Lund p-value</b>
Myoglobin	P02144	-0.45	4.71x10 <sup>-49</sup>	-0.42	1.17x10 <sup>-16</sup>
Tumor necrosis factor receptor superfamily member 19	Q9NS68	-0.45	3.70x10 <sup>-47</sup>	-0.57	1.93x10 <sup>-32</sup>
Elafin	P19957	-0.45	6.13x10 <sup>-47</sup>	-0.69	1.48x10 <sup>-52</sup>
Epidermal growth factor receptor	P00533	0.44	1.96x10 <sup>-46</sup>	0.25	1.70x10 <sup>-06</sup>
Interleukin-15 receptor subunit alpha	Q13261	-0.44	8.60x10 <sup>-46</sup>	-0.24	4.38x10 <sup>-06</sup>
Receptor tyrosine-protein kinase erbB-3	P21860	0.43	4.03x10 <sup>-44</sup>	0.1	5.10x10 <sup>-02</sup>
Metalloproteinase inhibitor 1	P01033	-0.43	4.76x10 <sup>-44</sup>	-0.25	8.89x10 <sup>-07</sup>
Antileukoproteinase	P03973	-0.43	1.81x10 <sup>-42</sup>	-0.64	9.83x10 <sup>-44</sup>
Cystatin-M	Q15828	-0.42	3.97x10 <sup>-41</sup>	-0.65	8.24x10 <sup>-45</sup>
Cathepsin L2	O60911	0.42	1.66x10 <sup>-40</sup>	0.31	2.83x10 <sup>-09</sup>
Chordin-like protein 1	Q9BU40	-0.41	7.30x10 <sup>-40</sup>	-0.46	9.84x10 <sup>-21</sup>
Complement factor D	P00746	-0.41	8.38x10 <sup>-40</sup>	-0.08	1.31x10 <sup>-01</sup>
Coiled-coil domain-containing protein 80	Q76M96	-0.41	9.08x10 <sup>-40</sup>	-0.45	6.62x10 <sup>-20</sup>
Delta-like protein 1	O00548	-0.41	1.12x10 <sup>-39</sup>	-0.4	4.42x10 <sup>-15</sup>
Complement decay-accelerating factor	P08174	-0.41	2.69x10 <sup>-39</sup>	-0.64	7.85x10 <sup>-43</sup>
Hepatitis A virus cellular receptor 2	Q8TDQ0	-0.41	1.35x10 <sup>-38</sup>	-0.52	9.77x10 <sup>-27</sup>
Alpha-2-antiplasmin	P08697	0.41	1.42x10 <sup>-38</sup>	0.22	3.01x10 <sup>-05</sup>
Tumor necrosis factor ligand superfamily member 15	O95150	-0.4	3.90x10 <sup>-38</sup>	-0.47	3.16x10 <sup>-21</sup>
Neurexin-1-beta	P58400	-0.4	4.40x10 <sup>-38</sup>	-0.32	2.99x10 <sup>-10</sup>
Tumor necrosis factor receptor superfamily member 21	O75509	-0.4	1.62x10 <sup>-37</sup>	-0.53	3.75x10 <sup>-28</sup>
Ck-beta-8-1	P55773	-0.4	1.80x10 <sup>-36</sup>	-0.34	2.43x10 <sup>-11</sup>
Neurexin-3-beta	Q9HDB5	-0.39	5.94x10 <sup>-36</sup>	-0.57	2.06x10 <sup>-33</sup>
Cystatin-SA	P09228	-0.38	2.99x10 <sup>-34</sup>	-0.53	9.21x10 <sup>-28</sup>
Bone morphogenetic protein 1	P13497	0.38	6.44x10 <sup>-34</sup>	0.1	6.40x10 <sup>-02</sup>
Kallikrein-11	Q9UBX7	-0.38	6.96x10 <sup>-34</sup>	-0.39	5.05x10 <sup>-15</sup>
Platelet-activating factor acetylhydrolase IB subunit beta	P68402	-0.38	1.05x10 <sup>-33</sup>	-0.26	3.55x10 <sup>-07</sup>
C-C motif chemokine 23	P55773	-0.38	1.05x10 <sup>-33</sup>	-0.35	9.05x10 <sup>-12</sup>
Macrophage metalloelastase	P39900	-0.38	1.22x10 <sup>-33</sup>	-0.27	2.53x10 <sup>-07</sup>
Endoplasmic reticulum resident protein 29	P30040	-0.38	1.61x10 <sup>-33</sup>	-0.52	4.72x10 <sup>-26</sup>
SLIT and NTRK-like protein 5	O94991	-0.38	4.63x10 <sup>-33</sup>	-0.35	1.00x10 <sup>-11</sup>
Transforming growth factor beta receptor type 3	Q03167	-0.38	7.66x10 <sup>-33</sup>	-0.6	5.17x10 <sup>-37</sup>
Insulin-like growth factor-binding protein 2	P18065	-0.37	2.00x10 <sup>-32</sup>	-0.48	1.42x10 <sup>-22</sup>
Vascular endothelial growth factor receptor 2	P35968	0.37	1.48x10 <sup>-31</sup>	0.16	1.92x10 <sup>-03</sup>

Protein	UniProt ID	Heart and Soul rho	Heart and Soul p-value	Lund rho	Lund p-value
Dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A	Q9HCR9	0.37	2.03x10 <sup>-31</sup>	0.21	5.51x10 <sup>-05</sup>
Matrilysin	P09237	-0.37	4.55x10 <sup>-31</sup>	-0.56	2.10x10 <sup>-31</sup>
Dual specificity mitogen-activated protein kinase kinase 2	P36507	-0.36	1.00x10 <sup>-30</sup>	-0.37	3.46x10 <sup>-13</sup>
Retinoic acid receptor responder protein 2	Q99969	-0.36	1.12x10 <sup>-30</sup>	-0.38	3.83x10 <sup>-14</sup>
Cell adhesion molecule 3	Q8N126	-0.36	1.70x10 <sup>-30</sup>	-0.27	2.78x10 <sup>-07</sup>
A disintegrin and metalloproteinase with thrombospondin motifs 13	Q76LX8	0.36	5.02x10 <sup>-30</sup>	0.2	9.67x10 <sup>-05</sup>
Pappalysin-1	Q13219	-0.36	8.10x10 <sup>-30</sup>	-0.37	2.29x10 <sup>-13</sup>
Resistin	Q9HD89	-0.36	9.52x10 <sup>-30</sup>	-0.32	2.59x10 <sup>-10</sup>
Tissue Factor	P13726	-0.36	1.18x10 <sup>-29</sup>	-0.48	1.81x10 <sup>-22</sup>
Cystatin-D	P28325	-0.36	1.91x10 <sup>-29</sup>	-0.48	5.92x10 <sup>-22</sup>
Cell adhesion molecule-related/down-regulated by oncogenes	Q4KMG0	0.35	5.31x10 <sup>-29</sup>	0.18	4.18x10 <sup>-04</sup>
Interleukin-17 receptor C	Q8NAC3	-0.35	1.30x10 <sup>-28</sup>	-0.38	6.16x10 <sup>-14</sup>
Cystatin-SN	P01037	-0.35	4.37x10 <sup>-28</sup>	-0.49	1.48x10 <sup>-23</sup>
Carbonic anhydrase 3	P07451	-0.35	6.17x10 <sup>-28</sup>	-0.48	9.33x10 <sup>-23</sup>
Kallikrein-8	O60259	-0.35	8.80x10 <sup>-28</sup>	-0.46	1.92x10 <sup>-20</sup>
Fibroblast growth factor 20	Q9NP95	0.35	1.17x10 <sup>-27</sup>	0.16	1.87x10 <sup>-03</sup>
Melanoma-derived growth regulatory protein	Q16674	-0.34	2.30x10 <sup>-26</sup>	-0.32	6.53x10 <sup>-10</sup>
Ciliary neurotrophic factor receptor subunit alpha	P26992	-0.33	5.32x10 <sup>-26</sup>	-0.64	5.07x10 <sup>-44</sup>
Urokinase plasminogen activator surface receptor	Q03405	-0.33	1.17x10 <sup>-25</sup>	-0.33	1.46x10 <sup>-10</sup>
Tumor necrosis factor receptor superfamily member EDAR	Q9UNE0	-0.33	3.60x10 <sup>-25</sup>	0.02	7.15x10 <sup>-01</sup>
Interleukin-19	Q9UHD0	0.33	5.40x10 <sup>-25</sup>	-0.11	4.34x10 <sup>-02</sup>
Interleukin-16	Q14005	-0.33	1.23x10 <sup>-24</sup>	-0.03	6.22x10 <sup>-01</sup>
Tumor necrosis factor receptor superfamily member 9	Q07011	-0.33	1.29x10 <sup>-24</sup>	-0.21	7.15x10 <sup>-05</sup>
Angiostatin	P00747	0.32	5.15x10 <sup>-24</sup>	0.01	9.12x10 <sup>-01</sup>
Vascular endothelial growth factor A	P15692	-0.32	1.72x10 <sup>-23</sup>	-0.35	9.34x10 <sup>-12</sup>
Matrilin-2	O00339	-0.32	2.73x10 <sup>-23</sup>	-0.59	1.81x10 <sup>-35</sup>
NudC domain-containing protein 3	Q8IVD9	-0.31	7.58x10 <sup>-23</sup>	-0.09	8.73x10 <sup>-02</sup>
Pancreatic hormone	P01298	-0.31	1.44x10 <sup>-22</sup>	-0.31	2.71x10 <sup>-09</sup>
6-phosphogluconate dehydrogenase, decarboxylating	P52209	0.31	1.86x10 <sup>-22</sup>	0.21	4.50x10 <sup>-05</sup>
SHC-transforming protein 1	P29353	-0.31	2.68x10 <sup>-22</sup>	0.01	8.98x10 <sup>-01</sup>
Proto-oncogene tyrosine-protein kinase receptor Ret	P07949	0.31	2.80x10 <sup>-22</sup>	0.18	6.59x10 <sup>-04</sup>
OX-2 membrane glycoprotein	P41217	-0.31	3.21x10 <sup>-22</sup>	-0.04	4.68x10 <sup>-01</sup>

<b>Protein</b>	<b>UniProt ID</b>	<b>Heart and Soul rho</b>	<b>Heart and Soul p-value</b>	<b>Lund rho</b>	<b>Lund p-value</b>
Ephrin type-A receptor 1	P21709	-0.31	$8.34 \times 10^{-22}$	-0.51	$4.20 \times 10^{-25}$
Agouti-related protein	O00253	-0.31	$1.16 \times 10^{-21}$	-0.28	$4.68 \times 10^{-08}$

**Table S5. Eighty-four proteins associated with cardiovascular risk in the Heart and Soul cohort, in participants with eGFR  $\geq$  60 ml/min/1.73m<sup>2</sup> (non-CKD patients).**

Protein	UniProt ID	HR	p-value	Bonferroni corrected p-value
Thrombospondin-2	P35442	1.62	$<2.2 \times 10^{-16}$	$<2.2 \times 10^{-16}$
Macrophage metalloelastase	P39900	1.58	$4.22 \times 10^{-15}$	$4.45 \times 10^{-12}$
Epidermal growth factor receptor	P00533	0.63	$4.87 \times 10^{-14}$	$5.14 \times 10^{-11}$
Beta-Ala-His dipeptidase	Q96KN2	0.7	$2.26 \times 10^{-13}$	$2.38 \times 10^{-10}$
Angiopoietin-2	O15123	1.52	$3.00 \times 10^{-13}$	$3.16 \times 10^{-10}$
Complement component C7	P10643	1.43	$3.19 \times 10^{-13}$	$3.36 \times 10^{-10}$
Spondin-1	Q9HCB6	1.46	$8.46 \times 10^{-13}$	$8.91 \times 10^{-10}$
Matrilysin	P09237	1.48	$3.30 \times 10^{-12}$	$3.47 \times 10^{-09}$
Growth hormone receptor	P10912	0.66	$4.56 \times 10^{-12}$	$4.81 \times 10^{-09}$
Beta-2-microglobulin	P61769	1.46	$4.67 \times 10^{-12}$	$4.92 \times 10^{-09}$
Cathepsin H	P09668	1.48	$7.45 \times 10^{-12}$	$7.85 \times 10^{-09}$
Alpha-2-antiplasmin	P08697	0.68	$2.46 \times 10^{-11}$	$2.59 \times 10^{-08}$
Tumor necrosis factor receptor superfamily member 1B	P20333	1.46	$6.12 \times 10^{-11}$	$6.45 \times 10^{-08}$
Hepatitis A virus cellular receptor 2	Q8TDQ0	1.46	$7.50 \times 10^{-11}$	$7.90 \times 10^{-08}$
Follistatin-related protein 3	O95633	1.48	$7.65 \times 10^{-11}$	$8.06 \times 10^{-08}$
Brain-specific serine protease 4	Q9GZN4	1.4	$1.72 \times 10^{-10}$	$1.81 \times 10^{-07}$
Delta-like protein 1	O00548	1.36	$1.90 \times 10^{-10}$	$2.01 \times 10^{-07}$
Metalloproteinase inhibitor 1	P01033	1.26	$1.92 \times 10^{-10}$	$2.02 \times 10^{-07}$
Insulin-like growth factor-binding protein 2	P18065	1.47	$2.54 \times 10^{-10}$	$2.68 \times 10^{-07}$
Interleukin-18-binding protein	O95998	1.46	$2.96 \times 10^{-10}$	$3.12 \times 10^{-07}$
Ephrin type-B receptor 2	P29323	1.46	$4.51 \times 10^{-10}$	$4.75 \times 10^{-07}$
Vitamin K-dependent protein C	P04070	0.73	$5.39 \times 10^{-10}$	$5.68 \times 10^{-07}$

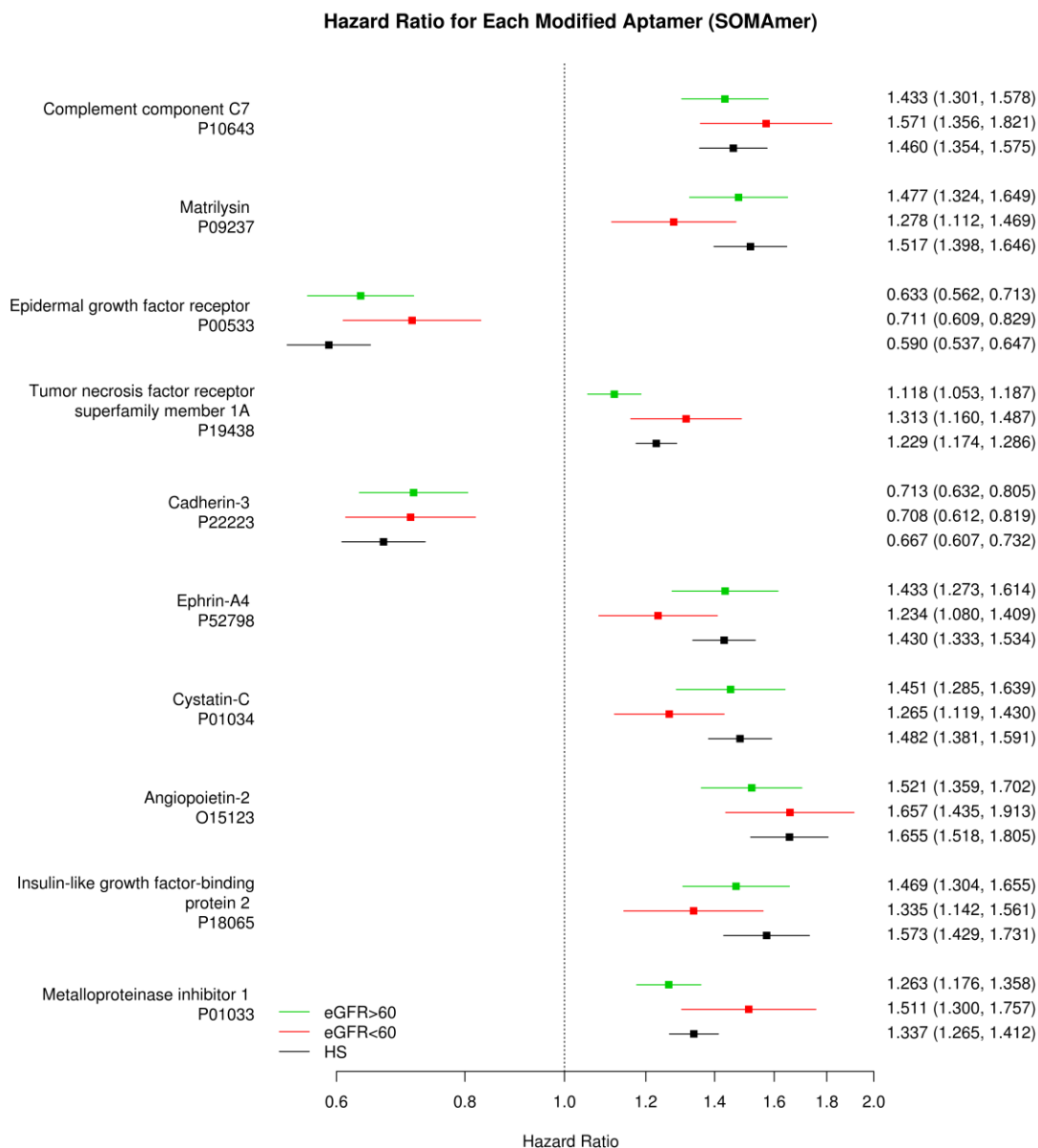
<b>Protein</b>	<b>UniProt ID</b>	<b>HR</b>	<b>p-value</b>	<b>Bonferroni corrected p-value</b>
Protein jagged-1	P78504	1.43	1.71x10 <sup>-09</sup>	1.81x10 <sup>-06</sup>
Cystatin-C	P01034	1.45	2.02x10 <sup>-09</sup>	2.13x10 <sup>-06</sup>
Ephrin type-A receptor 2	P29317	1.37	2.23x10 <sup>-09</sup>	2.35x10 <sup>-06</sup>
Ephrin-A4	P52798	1.43	2.80x10 <sup>-09</sup>	2.95x10 <sup>-06</sup>
Neuroblastoma suppressor of tumorigenicity 1	P41271	1.37	4.73x10 <sup>-09</sup>	4.99x10 <sup>-06</sup>
Interleukin-1 receptor-like 1	Q01638	1.36	2.08x10 <sup>-08</sup>	2.20x10 <sup>-05</sup>
Midkine	P21741	1.26	3.21x10 <sup>-08</sup>	3.38x10 <sup>-05</sup>
Cadherin-3	P22223	0.71	4.87x10 <sup>-08</sup>	5.13x10 <sup>-05</sup>
Angiopoietin-related protein 4	Q9BY76	1.28	5.57x10 <sup>-08</sup>	5.87x10 <sup>-05</sup>
Scavenger receptor class F member 1	Q14162	1.28	6.09x10 <sup>-08</sup>	6.42x10 <sup>-05</sup>
Insulin-like growth factor-binding protein 7	Q16270	1.36	6.76x10 <sup>-08</sup>	7.13x10 <sup>-05</sup>
Creatine kinase M-type:Creatine kinase B-type heterodimer	P12277 P06732	0.7	8.24x10 <sup>-08</sup>	8.68x10 <sup>-05</sup>
Immunoglobulin G	P01857	1.38	9.07x10 <sup>-08</sup>	9.56x10 <sup>-05</sup>
Creatine kinase M-type	P06732	0.69	9.89x10 <sup>-08</sup>	1.04x10 <sup>-04</sup>
C-X-C motif chemokine 13	O43927	1.27	1.55x10 <sup>-07</sup>	1.64x10 <sup>-04</sup>
Complement component C9	P02748	1.42	1.78x10 <sup>-07</sup>	1.88x10 <sup>-04</sup>
Stanniocalcin-1	P52823	1.34	1.87x10 <sup>-07</sup>	1.97x10 <sup>-04</sup>
SLAM family member 5	Q9UIB8	1.24	2.82x10 <sup>-07</sup>	2.97x10 <sup>-04</sup>
C-C motif chemokine 18	P55774	1.35	3.15x10 <sup>-07</sup>	3.32x10 <sup>-04</sup>
Tumor necrosis factor receptor superfamily member 19L	Q969Z4	1.32	3.81x10 <sup>-07</sup>	4.01x10 <sup>-04</sup>
Troponin I, cardiac muscle	P19429	1.24	5.15x10 <sup>-07</sup>	5.43x10 <sup>-04</sup>
Heat shock 70 kDa protein 1A/1B	P08107	1.32	8.43x10 <sup>-07</sup>	8.88x10 <sup>-04</sup>
Chordin-like protein 1	Q9BU40	1.34	9.40x10 <sup>-07</sup>	9.90x10 <sup>-04</sup>
Netrin receptor UNC5C	O95185	1.32	1.09x10 <sup>-06</sup>	1.15x10 <sup>-03</sup>



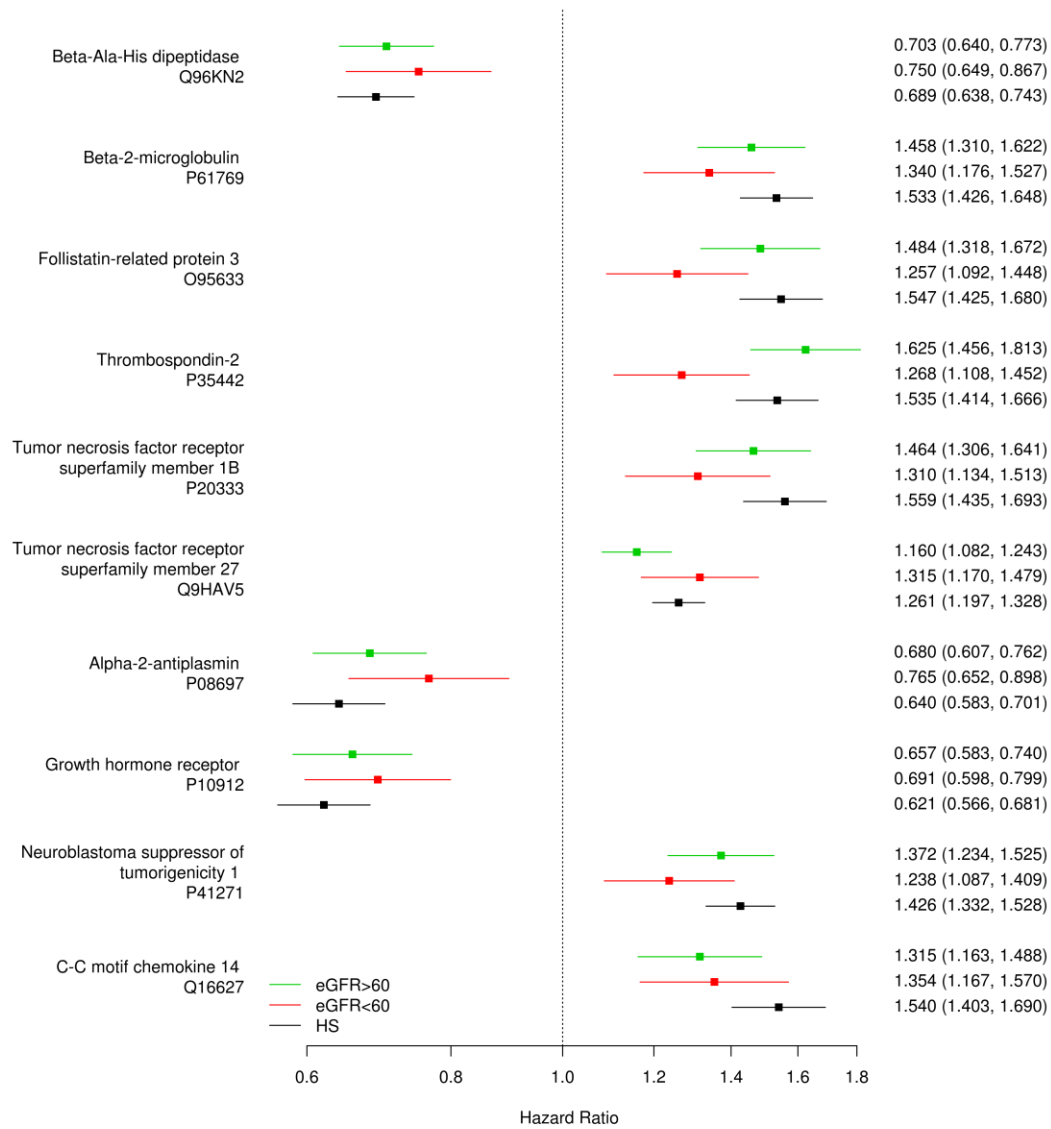
Protein	UniProt ID	HR	p-value	Bonferroni corrected p-value
Low affinity immunoglobulin gamma Fc region receptor III-B	O75015	1.32	1.12x10 <sup>-06</sup>	1.18x10 <sup>-03</sup>
Tenascin	P24821	1.34	1.14x10 <sup>-06</sup>	1.20x10 <sup>-03</sup>
Vascular endothelial growth factor A	P15692	1.34	1.28x10 <sup>-06</sup>	1.35x10 <sup>-03</sup>
Growth/differentiation factor 11	O95390	0.69	1.76x10 <sup>-06</sup>	1.85x10 <sup>-03</sup>
Alpha-1-antichymotrypsin complex	P07288, P01011	1.3	2.42x10 <sup>-06</sup>	2.55x10 <sup>-03</sup>
Tissue Factor	P13726	1.19	2.56x10 <sup>-06</sup>	2.70x10 <sup>-03</sup>
Periostin	Q15063	1.33	3.73x10 <sup>-06</sup>	3.93x10 <sup>-03</sup>
Coagulation factor Xa	P00742	0.79	3.88x10 <sup>-06</sup>	4.09x10 <sup>-03</sup>
N-acetyl-D-glucosamine kinase	Q9UJ70	1.31	4.24x10 <sup>-06</sup>	4.47x10 <sup>-03</sup>
Macrophage-capping protein	P40121	1.23	4.49x10 <sup>-06</sup>	4.73x10 <sup>-03</sup>
Bone morphogenetic protein 1	P13497	0.77	4.49x10 <sup>-06</sup>	4.73x10 <sup>-03</sup>
Kallistatin	P29622	0.77	5.95x10 <sup>-06</sup>	6.27x10 <sup>-03</sup>
Lymphocyte activation gene 3 protein	P18627	1.31	6.80x10 <sup>-06</sup>	7.16x10 <sup>-03</sup>
Urokinase plasminogen activator surface receptor	Q03405	1.22	6.86x10 <sup>-06</sup>	7.23x10 <sup>-03</sup>
Programmed cell death 1 ligand 1	Q9NZQ7	1.25	7.83x10 <sup>-06</sup>	8.25x10 <sup>-03</sup>
Neuroigin-4, X-linked	Q8N0W4	1.23	8.18x10 <sup>-06</sup>	8.62x10 <sup>-03</sup>
C-C motif chemokine 4-like	Q8NHW4	1.27	8.55x10 <sup>-06</sup>	9.01x10 <sup>-03</sup>
Prothrombin	P00734	0.8	1.02x10 <sup>-05</sup>	1.08x10 <sup>-02</sup>
Cell adhesion molecule-related/down-regulated by oncogenes	Q4KMG0	0.77	1.08x10 <sup>-05</sup>	1.14x10 <sup>-02</sup>
Kallikrein-7	P49862	0.75	1.11x10 <sup>-05</sup>	1.17x10 <sup>-02</sup>
Fibroblast growth factor 20	Q9NP95	0.73	1.31x10 <sup>-05</sup>	1.38x10 <sup>-02</sup>

<b>Protein</b>	<b>UniProt ID</b>	<b>HR</b>	<b>p-value</b>	<b>Bonferroni corrected p-value</b>
C-C motif chemokine 14	Q16627	1.32	1.36x10 <sup>-05</sup>	1.44x10 <sup>-02</sup>
Leucine-rich repeat transmembrane protein FLRT1	Q9NZU1	0.67	1.59x10 <sup>-05</sup>	1.68x10 <sup>-02</sup>
Granzyme A	P12544	1.28	1.71x10 <sup>-05</sup>	1.80x10 <sup>-02</sup>
Proto-oncogene tyrosine-protein kinase receptor Ret	P07949	0.74	1.97x10 <sup>-05</sup>	2.07x10 <sup>-02</sup>
Neuropilin-1	O14786	1.21	2.02x10 <sup>-05</sup>	2.13x10 <sup>-02</sup>
P-Selectin	P16109	1.29	2.38x10 <sup>-05</sup>	2.51x10 <sup>-02</sup>
Plasma kallikrein	P03952	0.79	2.53x10 <sup>-05</sup>	2.67x10 <sup>-02</sup>
Angiostatin	P00747	0.77	2.80x10 <sup>-05</sup>	2.95x10 <sup>-02</sup>
Tumor necrosis factor receptor superfamily member 27	Q9HAV5	1.16	2.81x10 <sup>-05</sup>	2.96x10 <sup>-02</sup>
Insulin-like growth factor 1 receptor	P08069	1.3	2.84x10 <sup>-05</sup>	2.99x10 <sup>-02</sup>
Intercellular adhesion molecule 5	Q9UMF0	1.23	2.96x10 <sup>-05</sup>	3.11x10 <sup>-02</sup>
Brain natriuretic peptide 32	P16860	1.18	3.03x10 <sup>-05</sup>	3.20x10 <sup>-02</sup>
Lipopolysaccharide-binding protein	P18428	1.3	3.40x10 <sup>-05</sup>	3.59x10 <sup>-02</sup>
Alpha-(1,3)-fucosyltransferase 5	Q11128	1.3	3.69x10 <sup>-05</sup>	3.89x10 <sup>-02</sup>
Interleukin-8	P10145	1.18	3.74x10 <sup>-05</sup>	3.94x10 <sup>-02</sup>
Phospholipase A2, membrane associated	P14555	1.24	3.82x10 <sup>-05</sup>	4.02x10 <sup>-02</sup>
Renin	P00797	1.26	4.15x10 <sup>-05</sup>	4.37x10 <sup>-02</sup>

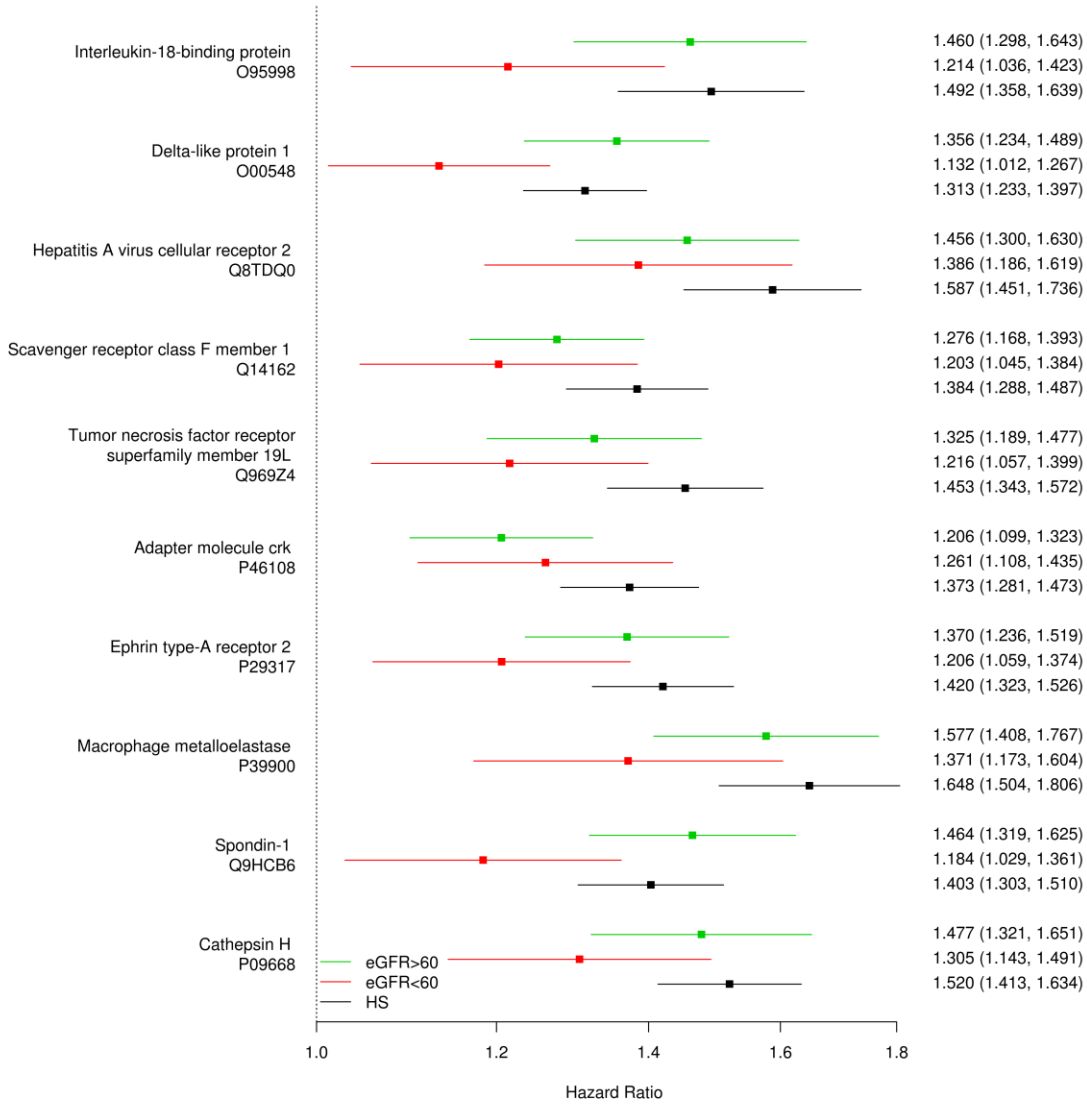
**Figure S1. Hazard ratios and confidence intervals for proteins prognostic of cardiovascular risk in the settings of eGFR<60 ml/min/1.73m<sup>2</sup>, eGFR≥60 ml/min/1.73m<sup>2</sup> and for all participants in Heart and Soul, regardless of eGFR (HS).**



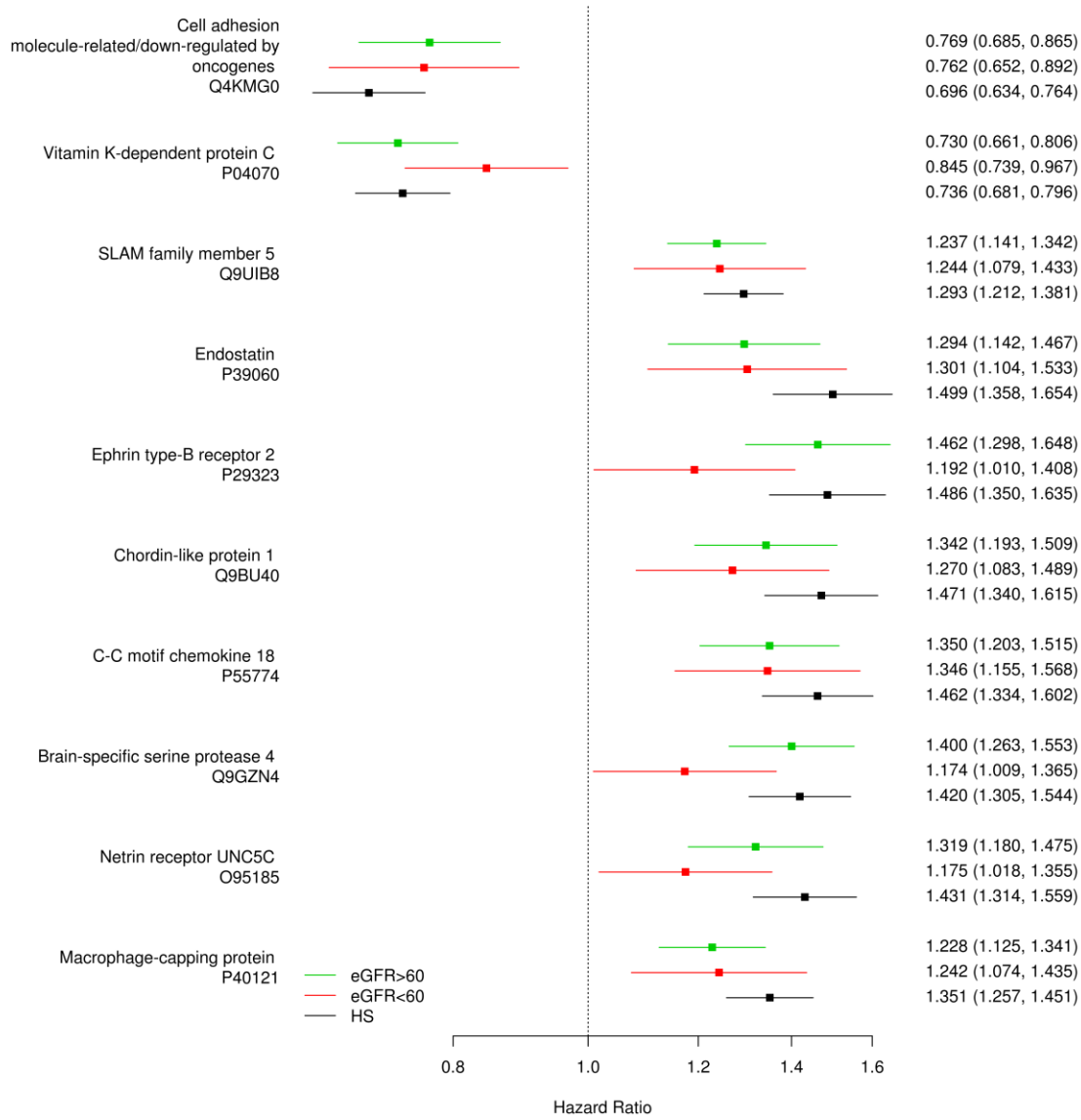
### Hazard Ratio for Each Modified Aptamer (SOMAmer)



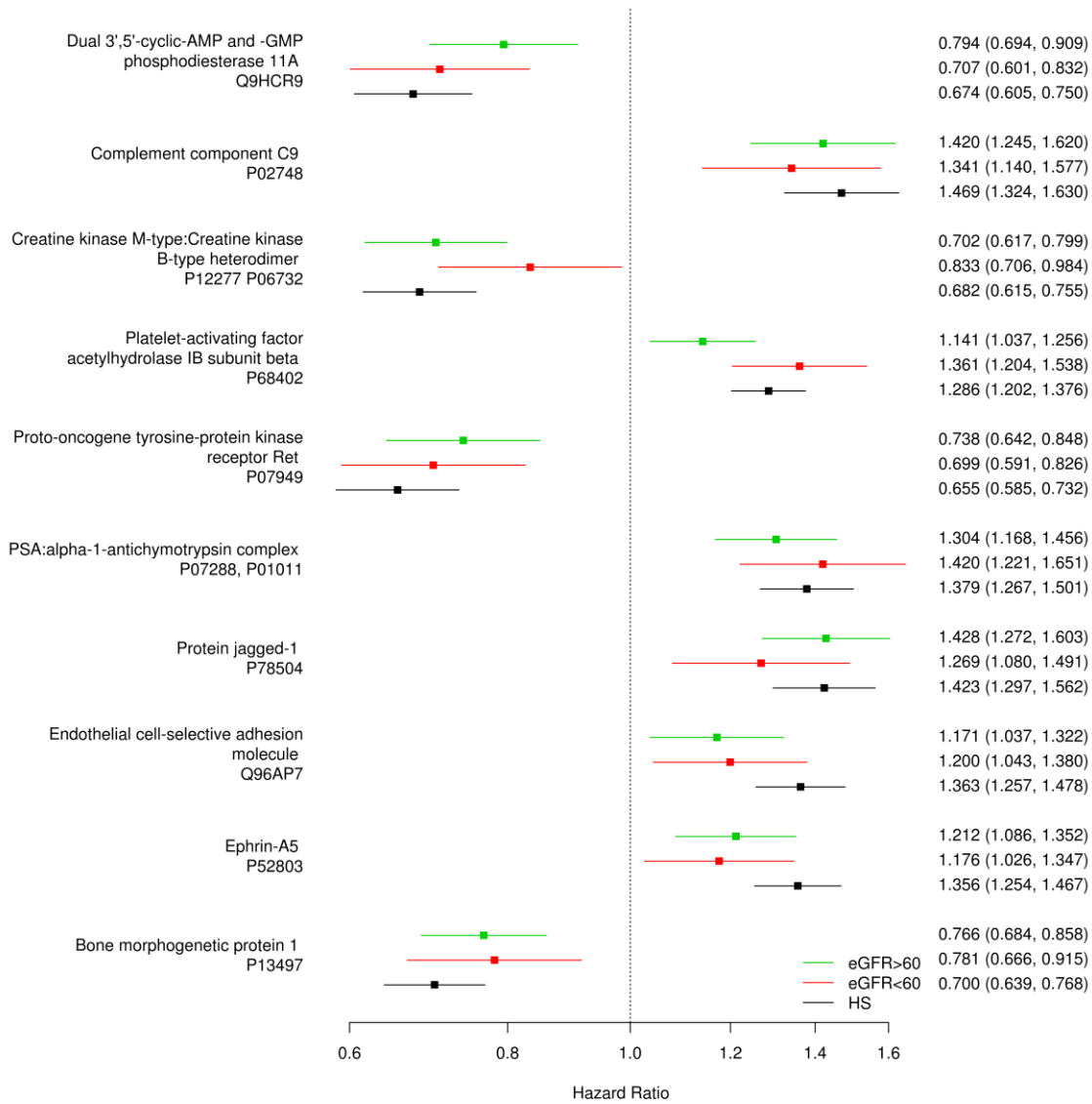
### Hazard Ratio for Each Modified Aptamer (SOMAmer)



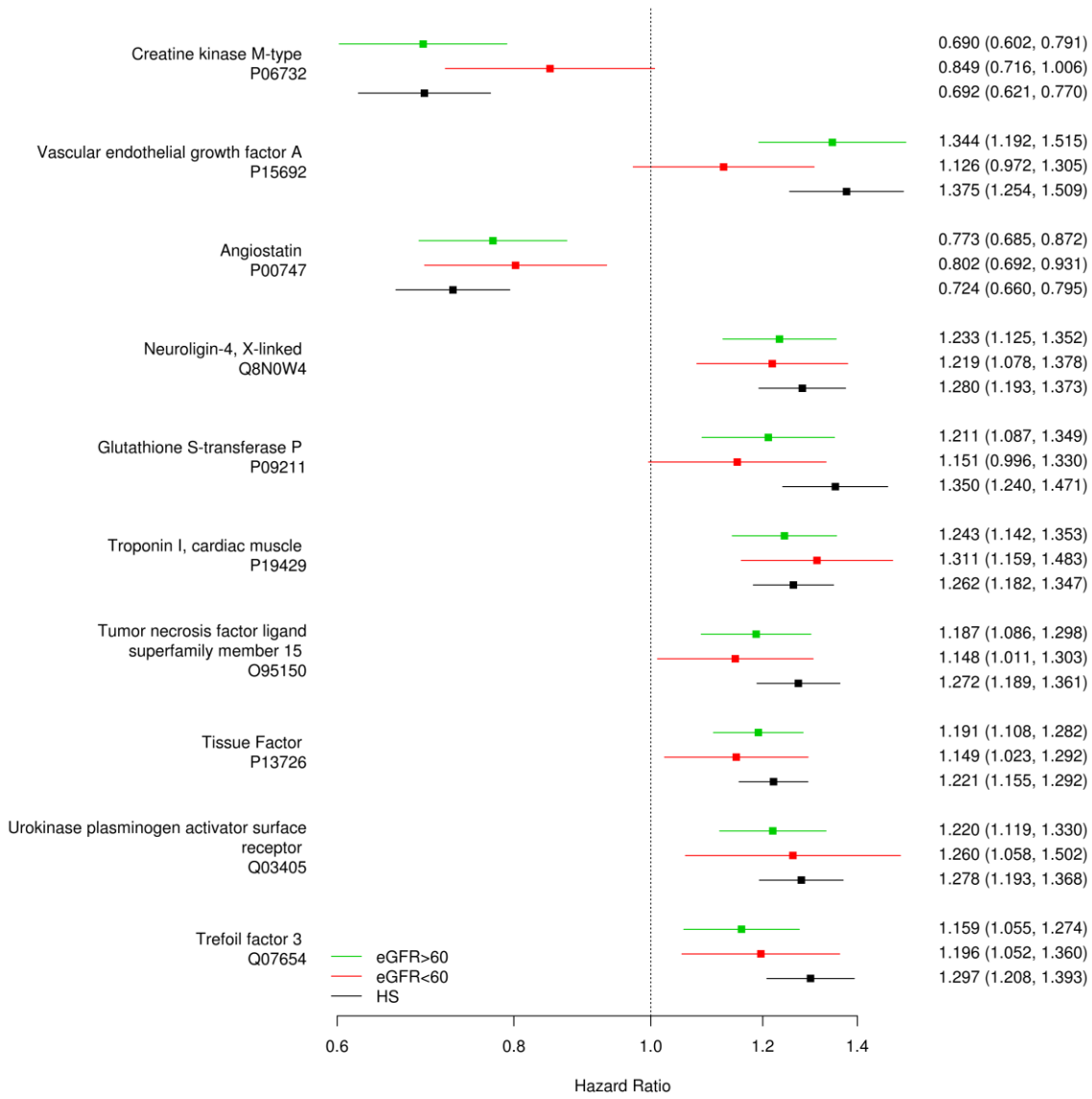
### Hazard Ratio for Each Modified Aptamer (SOMAmer)



### Hazard Ratio for Each Modified Aptamer (SOMAmer)

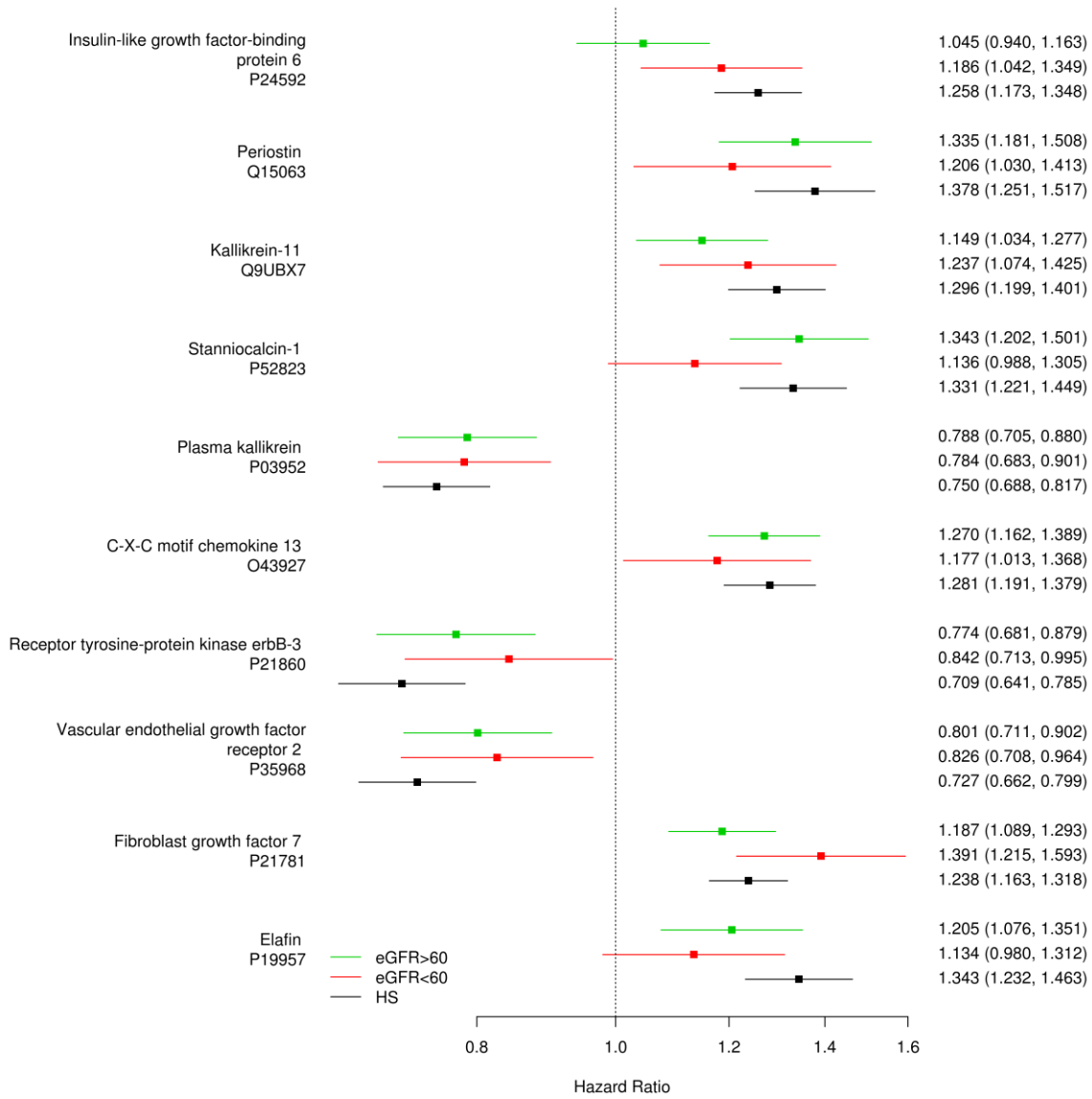


### Hazard Ratio for Each Modified Aptamer (SOMAmer)

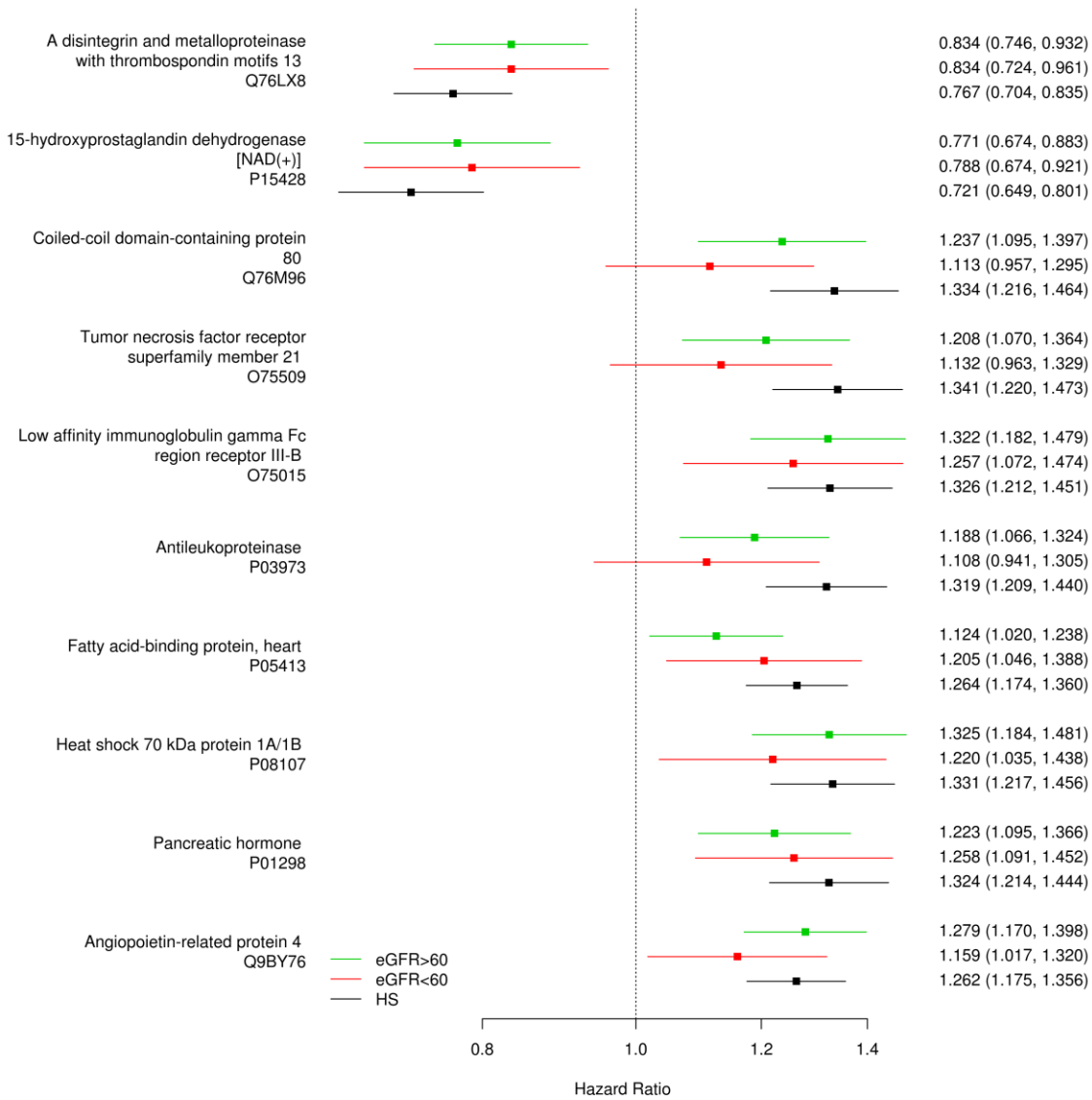




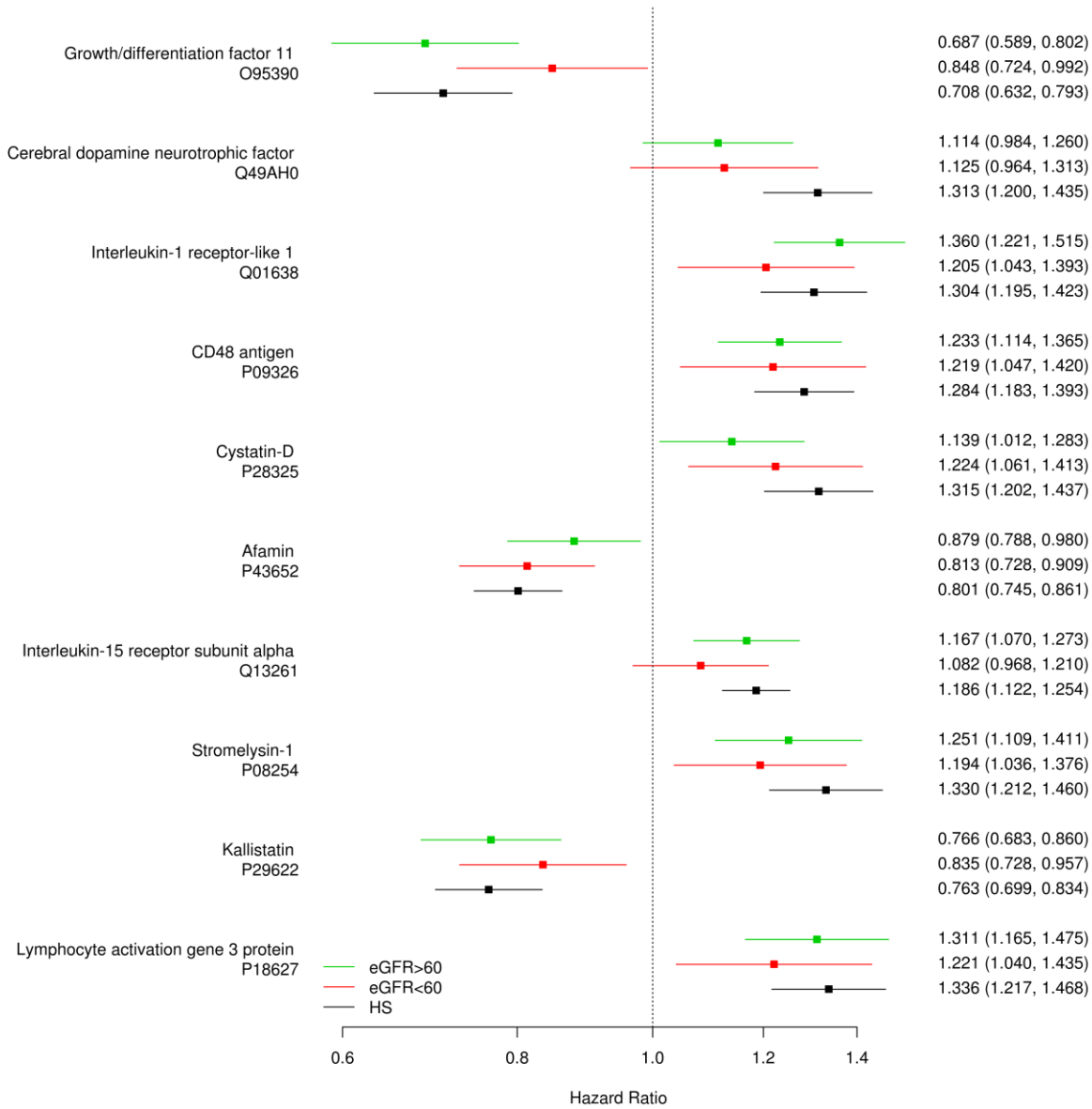
### Hazard Ratio for Each Modified Aptamer (SOMAmer)



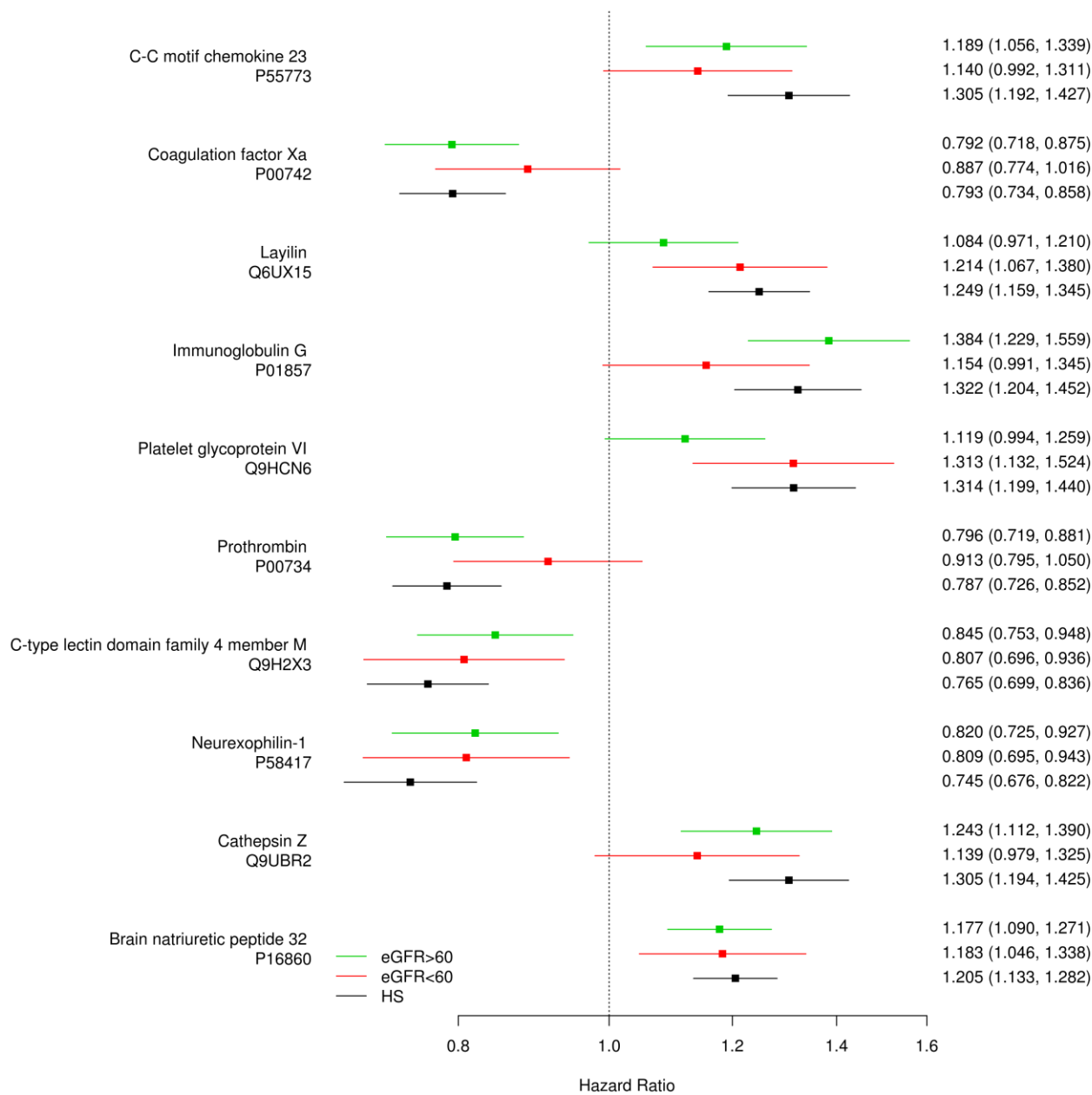
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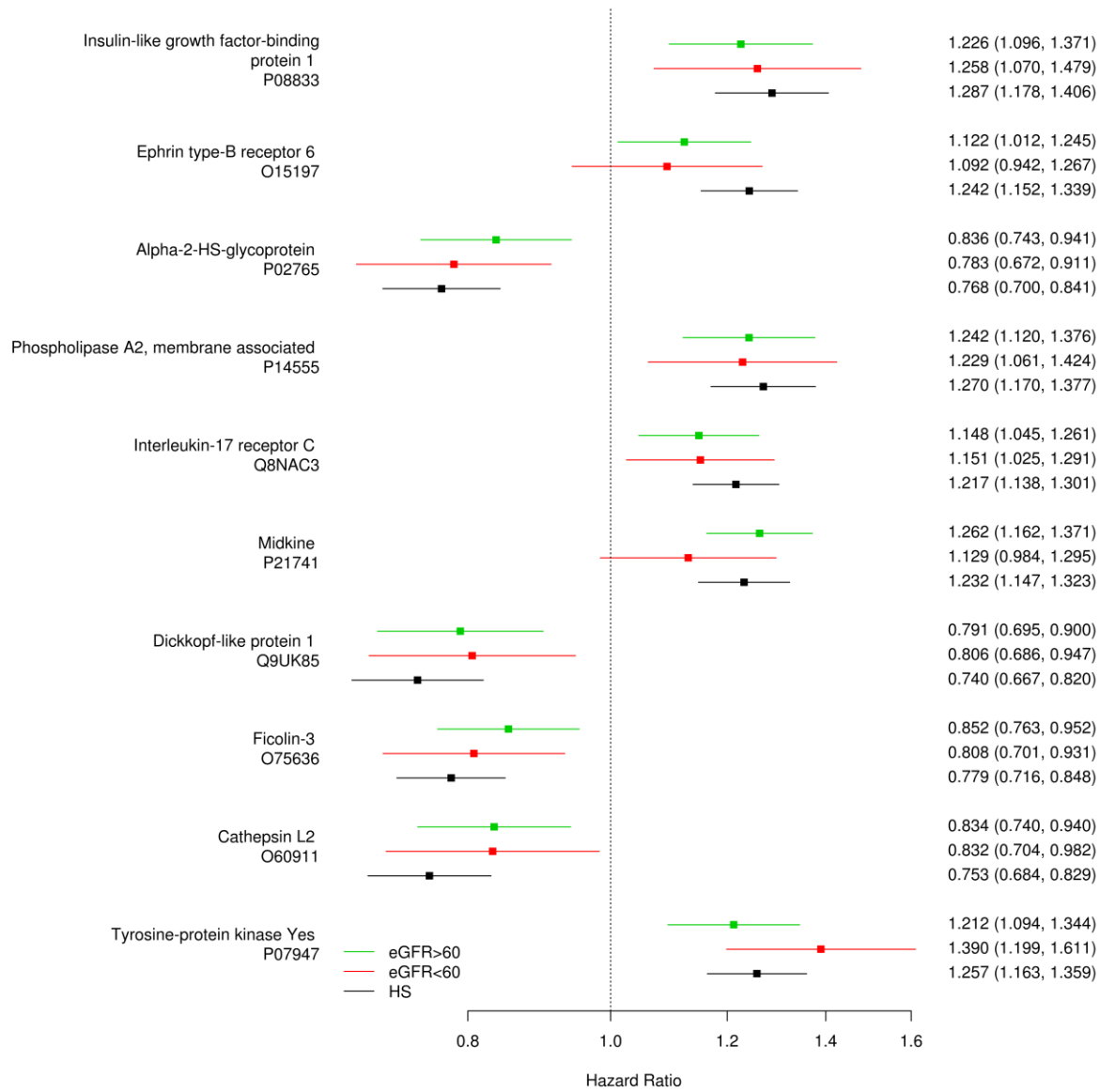
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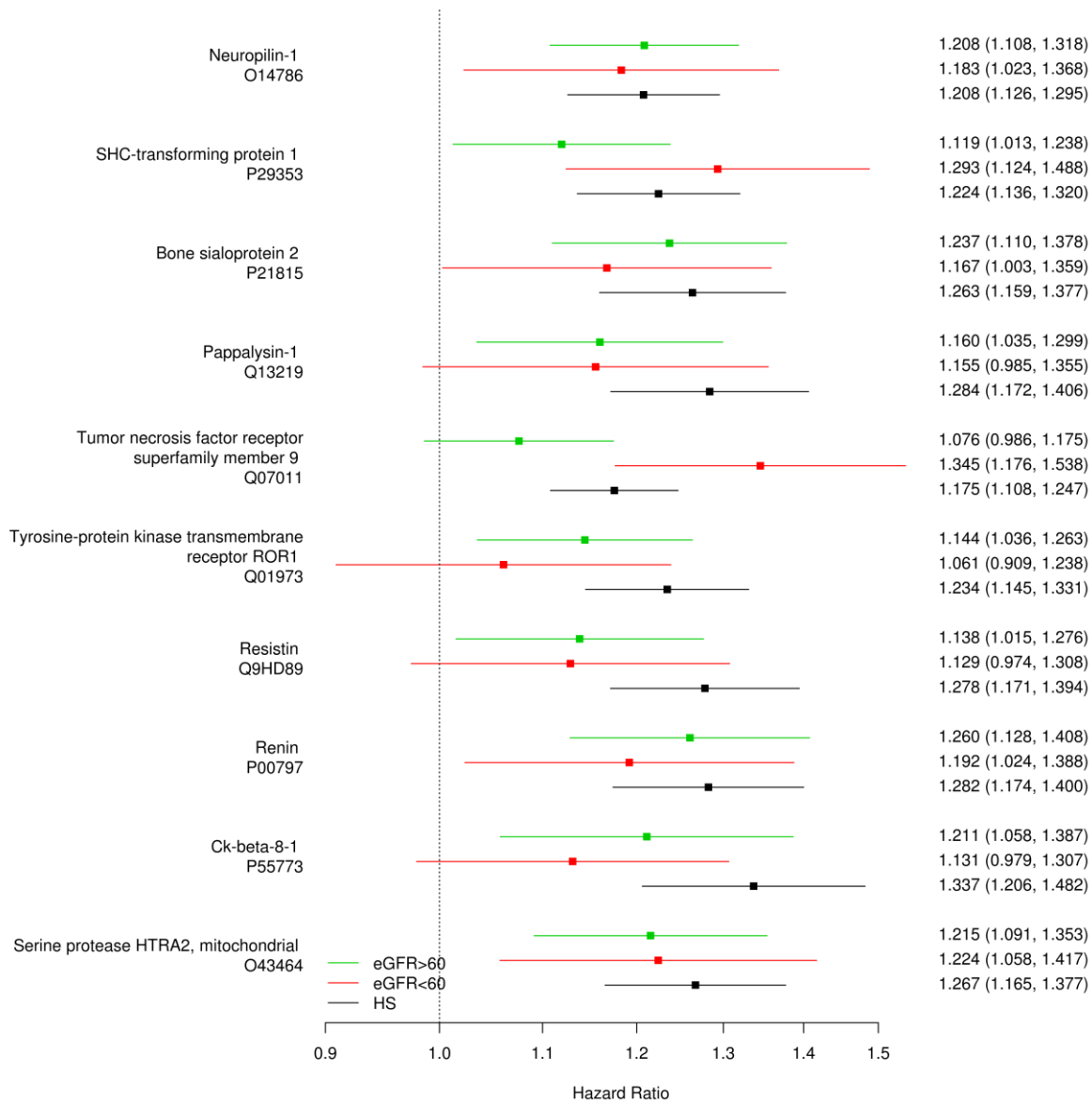
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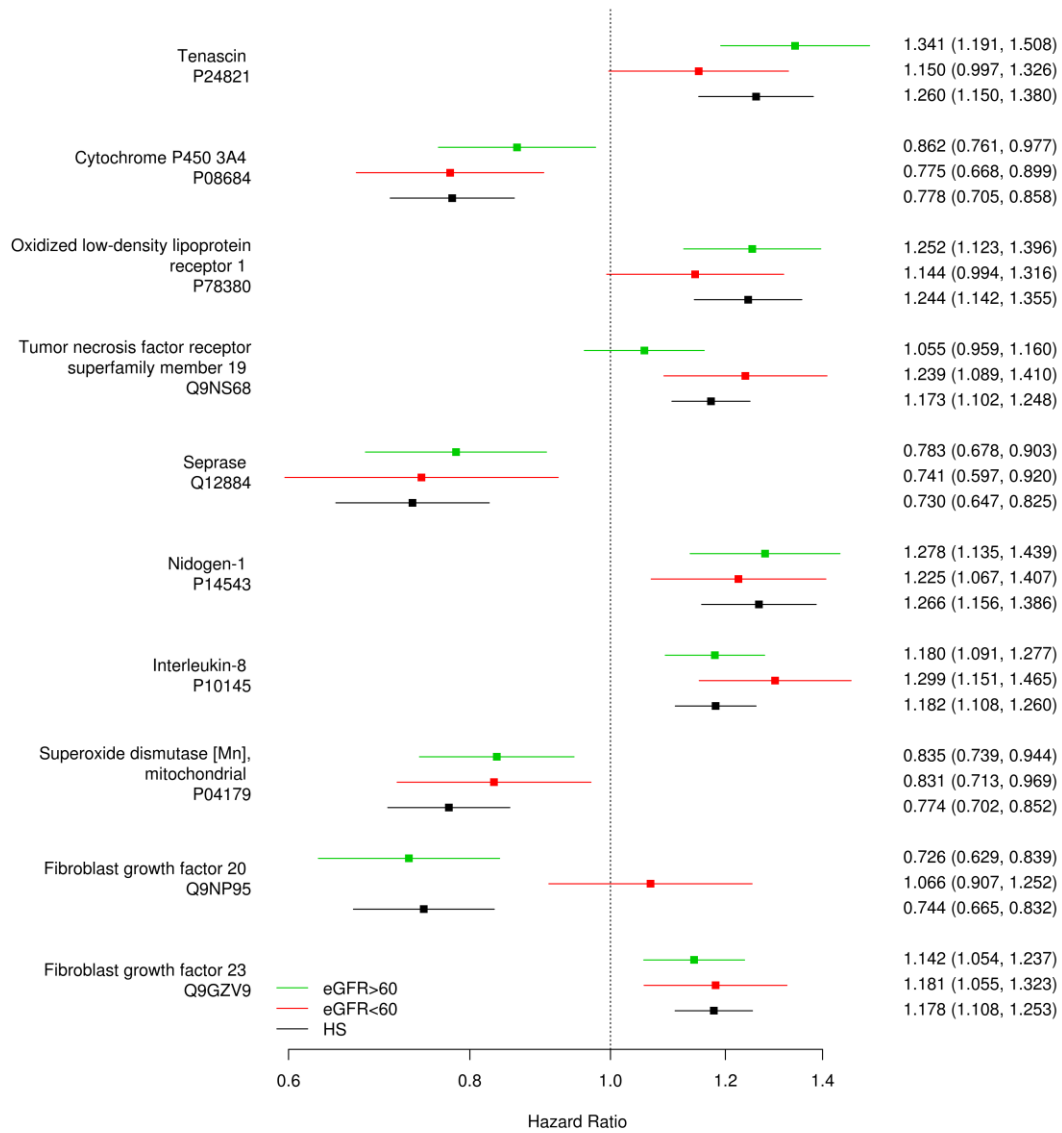
### Hazard Ratio for Each Modified Aptamer (SOMAmer)



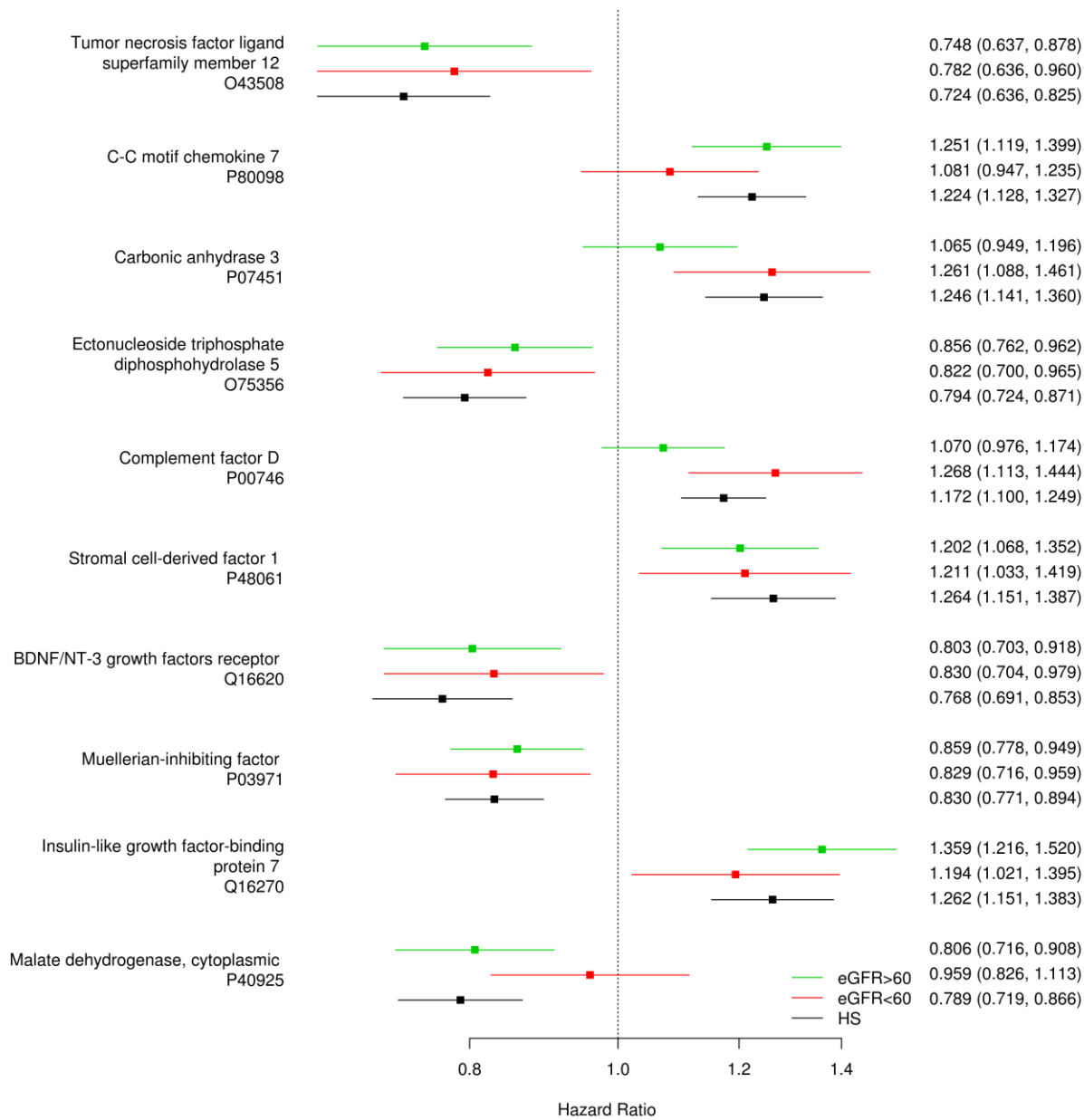
### Hazard Ratio for Each Modified Aptamer (SOMAmer)



### Hazard Ratio for Each Modified Aptamer (SOMAmer)

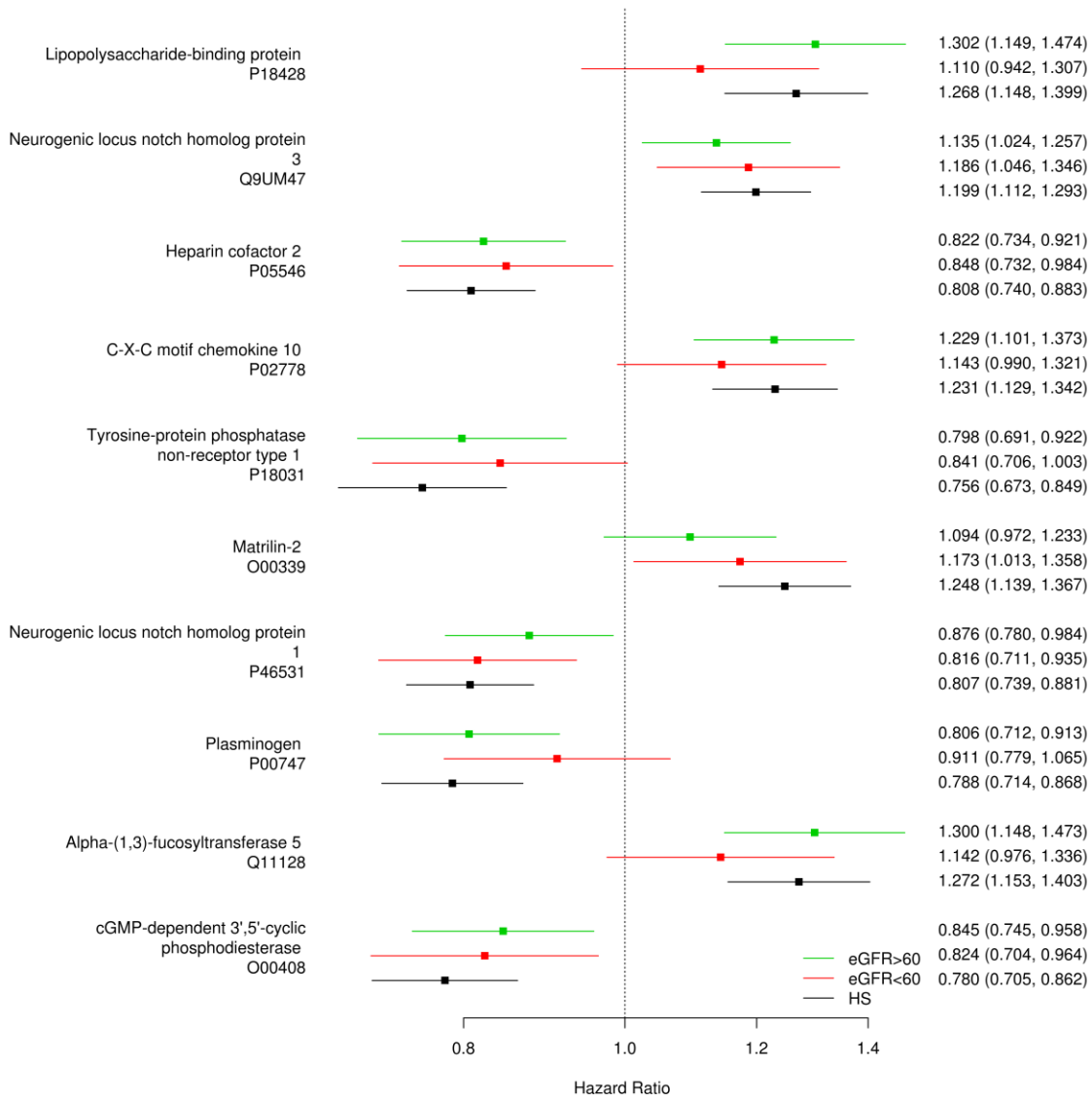


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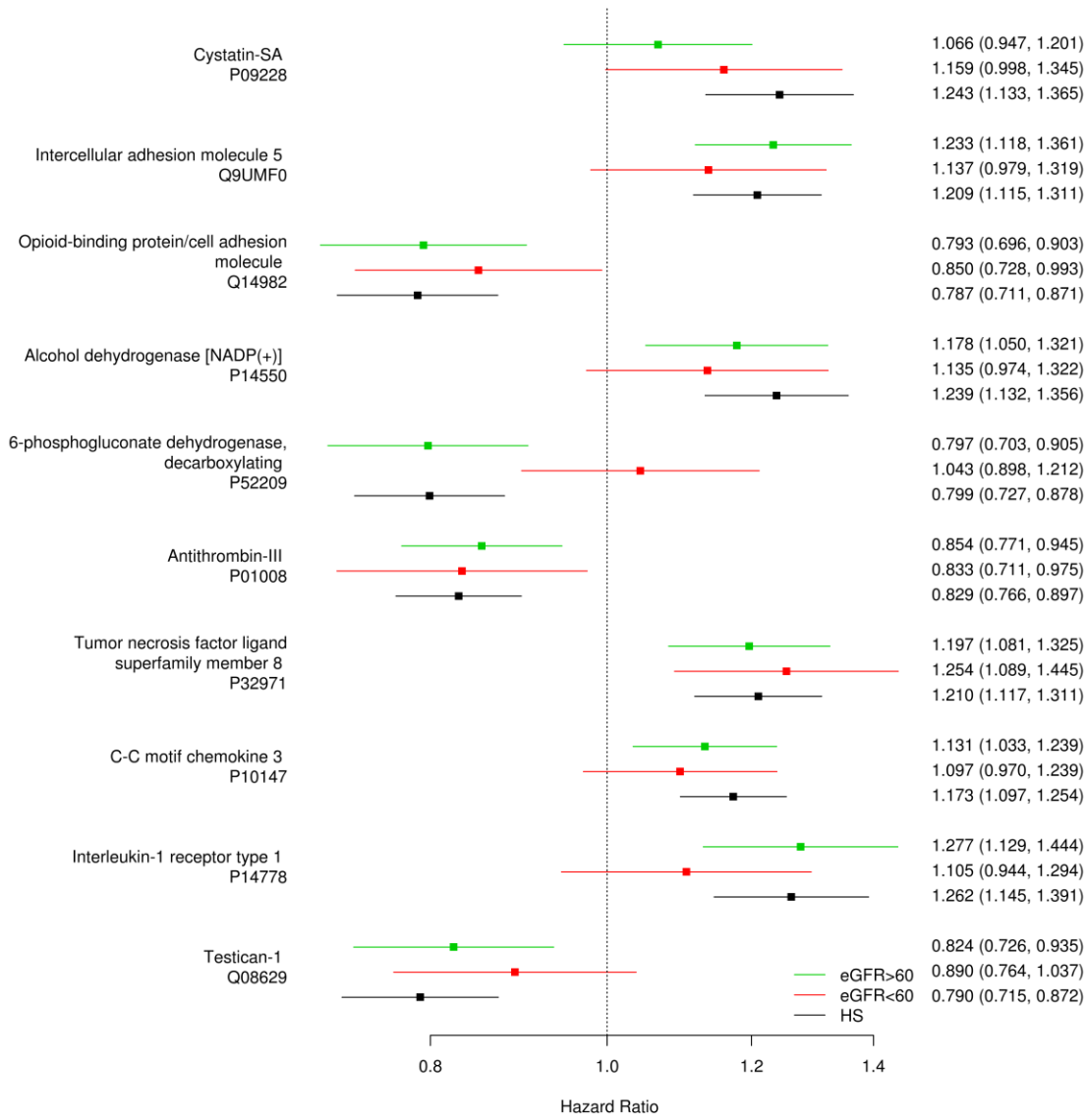




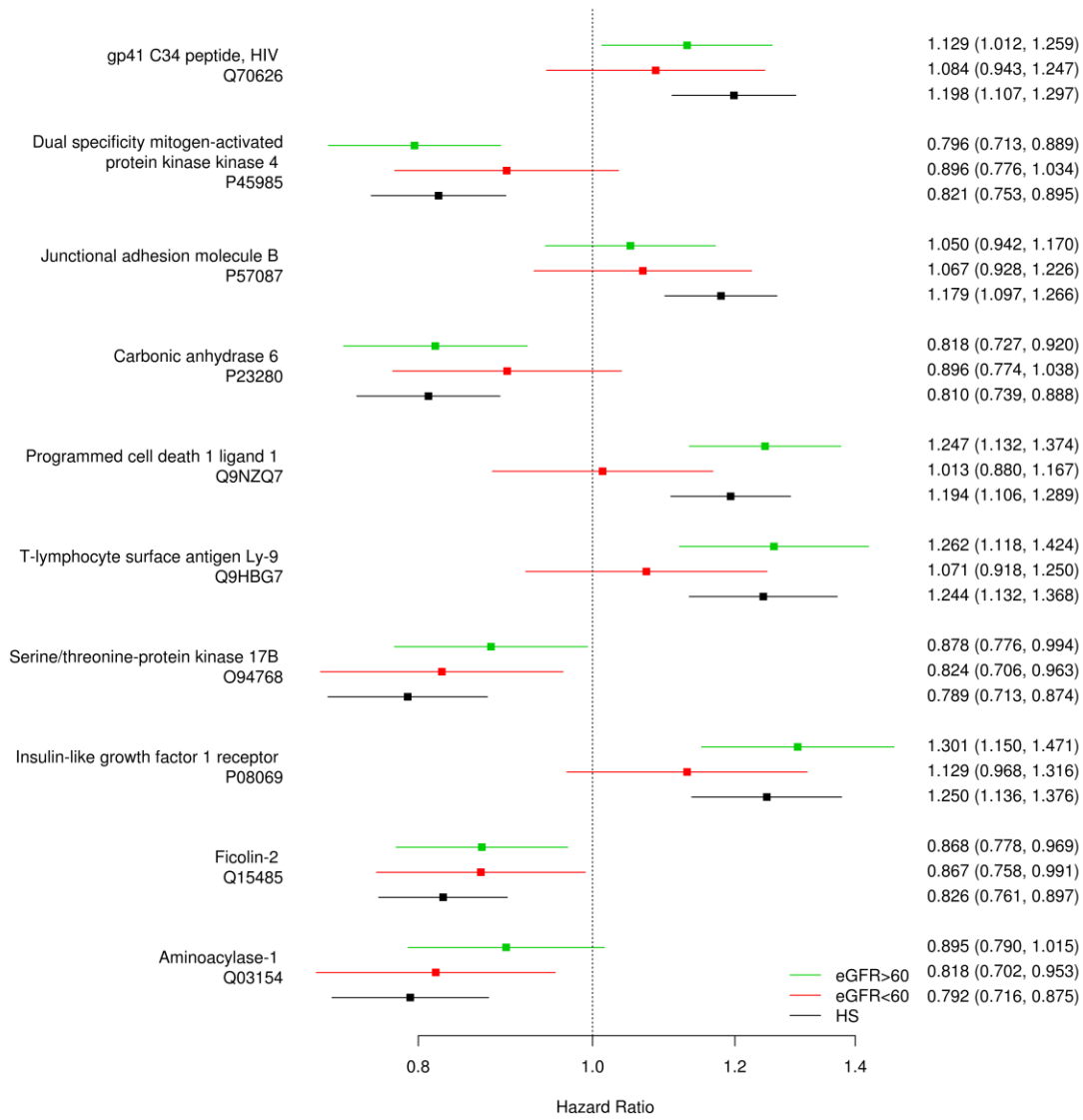
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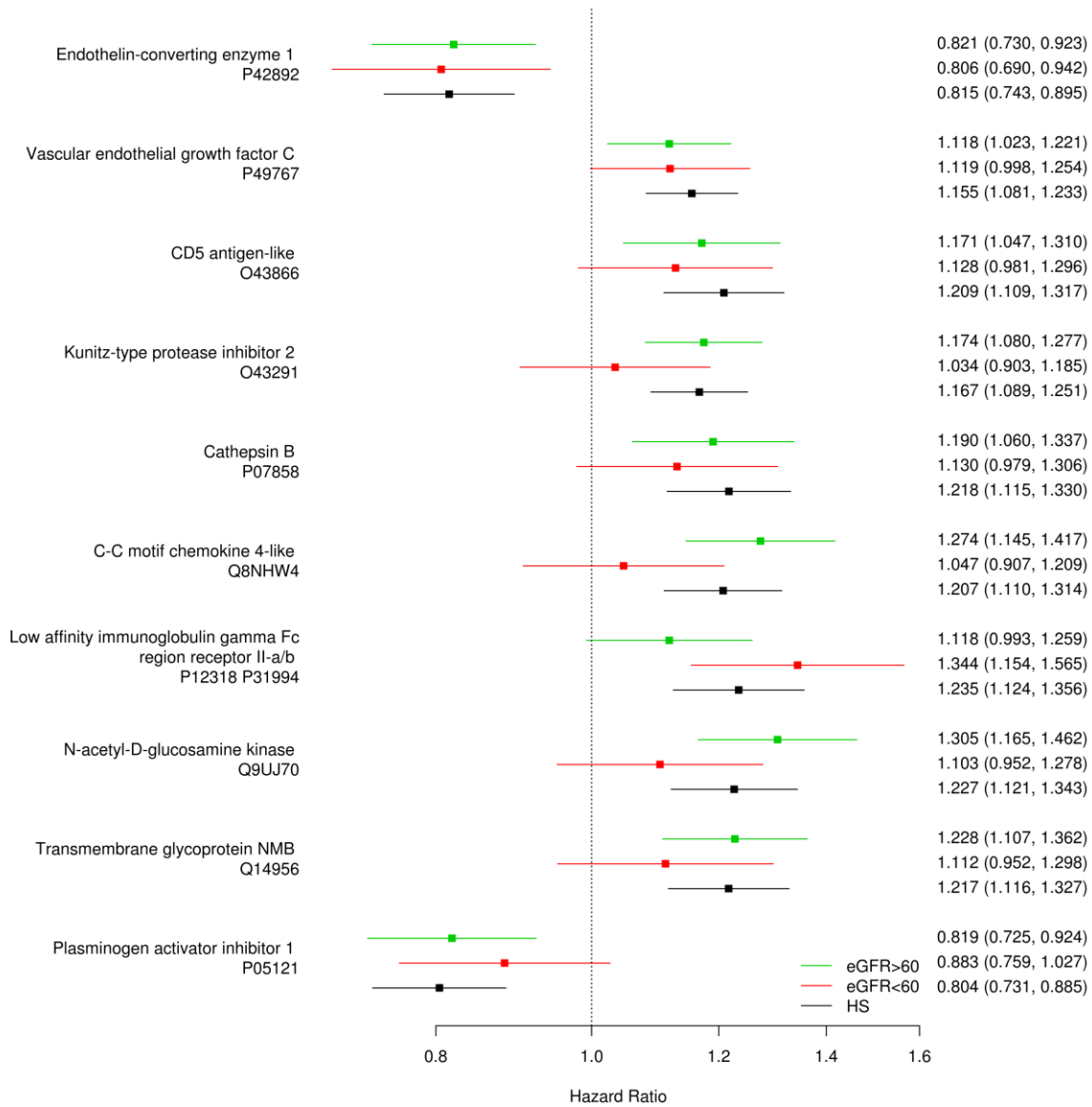
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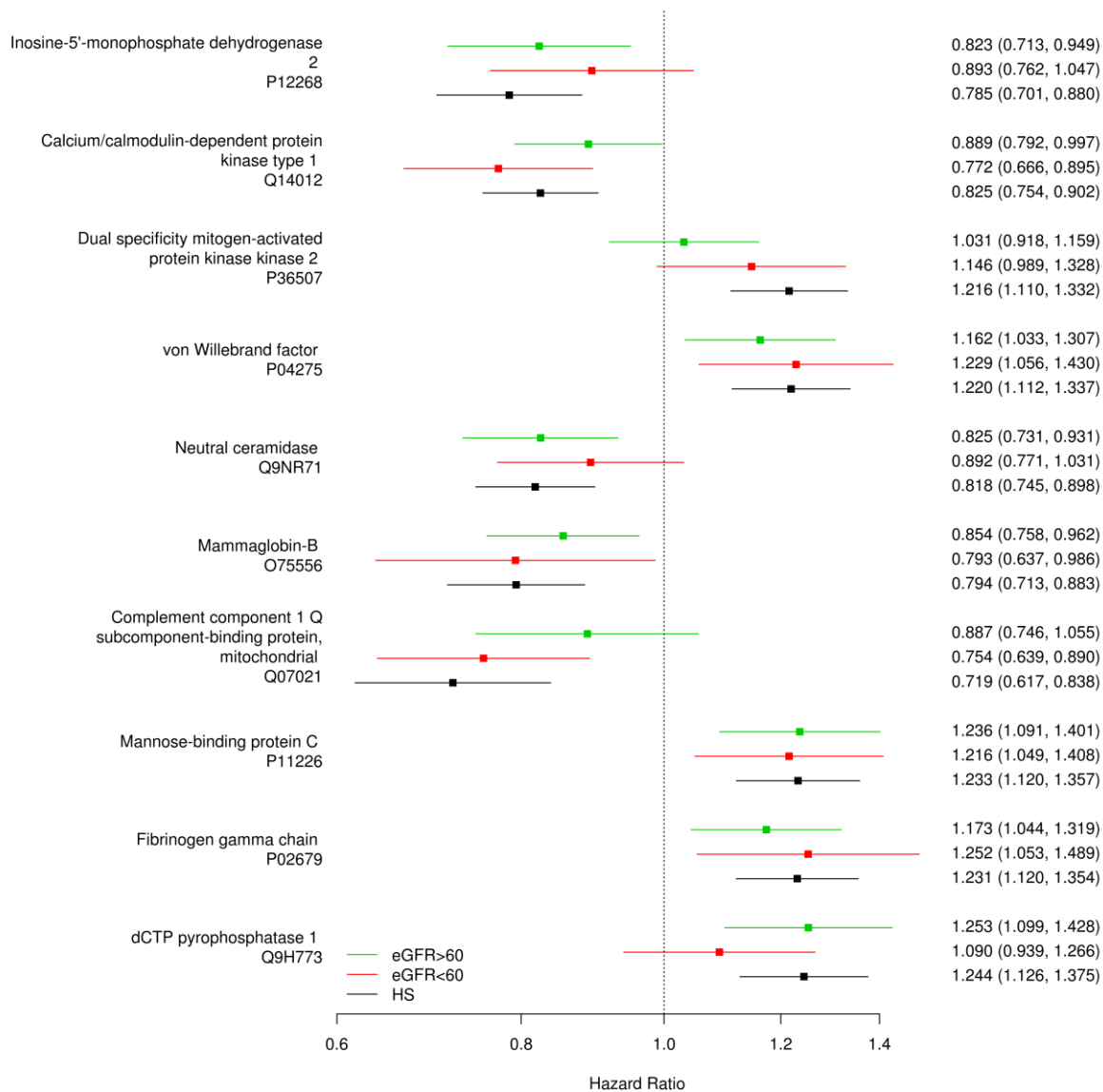
### Hazard Ratio for Each Modified Aptamer (SOMAmer)



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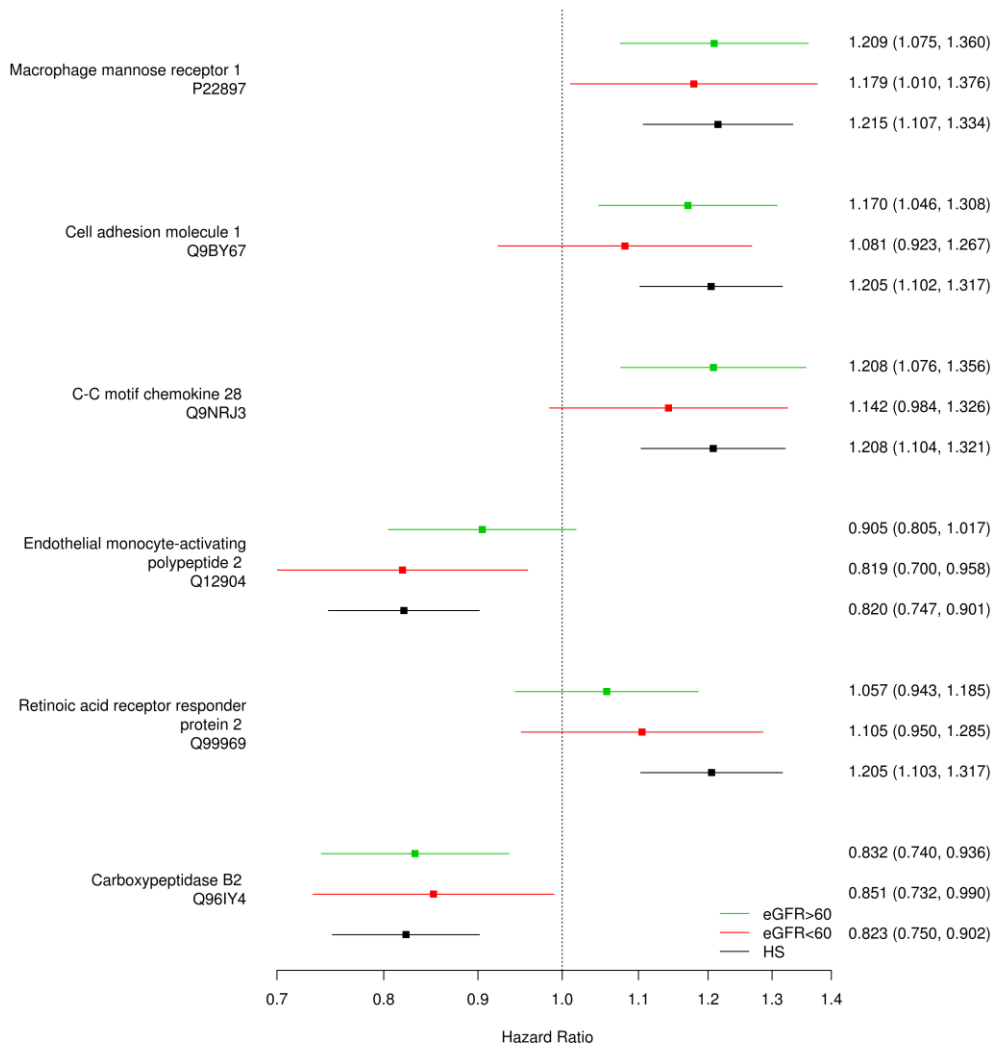


Figure S2. Spearman rho coefficients among the top 100 proteins in the Heart and Soul cohort, which were also measured in the Lund cohort (shown are 98 of 100 proteins that were measured in both cohorts).

