#### Supplement 2. Multivariate Regression Analysis with Cardiovascular Proteins as Dependents and CCS as Outcome (vs Control Group) Adjusted for Age and Sex.

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| **Protein** | **β-coefficient** | **SE** | **P-value** | **CI (min) 95** | **CI (max) 95** |
| LEP | 0.378 | 0.081 | 8.2e-06 | 0.218 | 0.538 |
| KIM1 | 0.307 | 0.093 | 1.3e-03 | 0.123 | 0.491 |
| MERTK | 0.230 | 0.096 | 1.9e-02 | 0.039 | 0.421 |
| PSGL1 | 0.224 | 0.096 | 2.2e-02 | 0.034 | 0.415 |
| DCN | -0.223 | 0.096 | 2.2e-02 | -0.412 | -0.033 |
| AMBP | 0.200 | 0.097 | 4.2e-02 | 0.008 | 0.393 |
| PTX3 | -0.190 | 0.095 | 4.7e-02 | -0.378 | -0.003 |
| HAOX1 | 0.191 | 0.097 | 5.1e-02 | -0.001 | 0.384 |
| THBS2 | -0.191 | 0.098 | 5.3e-02 | -0.385 | 0.003 |
| GT | -0.167 | 0.095 | 8.2e-02 | -0.356 | 0.021 |
| IL6 | 0.170 | 0.097 | 8.2e-02 | -0.022 | 0.362 |
| BMP6 | -0.163 | 0.098 | 9.9e-02 | -0.358 | 0.031 |
| FABP2 | -0.153 | 0.096 | 1.1e-01 | -0.344 | 0.037 |
| MMP7 | 0.150 | 0.095 | 1.2e-01 | -0.038 | 0.339 |
| HSP27 | -0.152 | 0.098 | 1.2e-01 | -0.346 | 0.041 |
| MARCO | 0.152 | 0.098 | 1.3e-01 | -0.043 | 0.346 |
| PAPPA | -0.139 | 0.091 | 1.3e-01 | -0.320 | 0.041 |
| SRC | -0.149 | 0.098 | 1.3e-01 | -0.343 | 0.045 |
| IL4RA | 0.147 | 0.097 | 1.3e-01 | -0.045 | 0.339 |
| LOX1 | 0.146 | 0.098 | 1.4e-01 | -0.047 | 0.340 |
| CCL3 | 0.144 | 0.098 | 1.5e-01 | -0.051 | 0.338 |
| PRSS8 | 0.144 | 0.098 | 1.5e-01 | -0.051 | 0.339 |
| ADAMTS13 | 0.142 | 0.098 | 1.5e-01 | -0.053 | 0.336 |
| IL17D | -0.139 | 0.099 | 1.6e-01 | -0.334 | 0.057 |
| TGM2 | 0.134 | 0.099 | 1.8e-01 | -0.061 | 0.330 |
| HO1 | -0.130 | 0.097 | 1.8e-01 | -0.323 | 0.063 |
| STK4 | -0.127 | 0.098 | 2.0e-01 | -0.320 | 0.067 |
| PAR1 | -0.125 | 0.097 | 2.0e-01 | -0.318 | 0.067 |
| CD40L | -0.123 | 0.097 | 2.1e-01 | -0.316 | 0.070 |
| GDF2 | 0.117 | 0.096 | 2.3e-01 | -0.074 | 0.308 |
| CXCL1 | -0.112 | 0.099 | 2.6e-01 | -0.308 | 0.084 |
| Gal9 | 0.109 | 0.098 | 2.7e-01 | -0.084 | 0.303 |
| PARP1 | 0.109 | 0.098 | 2.7e-01 | -0.086 | 0.305 |
| CCL17 | -0.108 | 0.098 | 2.7e-01 | -0.302 | 0.087 |
| IL1ra | 0.106 | 0.097 | 2.7e-01 | -0.085 | 0.298 |
| TNFRSF10A | 0.104 | 0.096 | 2.8e-01 | -0.086 | 0.294 |
| DECR1 | -0.105 | 0.098 | 2.8e-01 | -0.299 | 0.088 |
| XCL1 | 0.101 | 0.097 | 3.0e-01 | -0.091 | 0.293 |
| ADM | 0.100 | 0.097 | 3.1e-01 | -0.092 | 0.291 |
| VEGFD | -0.094 | 0.092 | 3.1e-01 | -0.275 | 0.088 |
| HBEGF | -0.091 | 0.098 | 3.5e-01 | -0.285 | 0.103 |
| IL16 | 0.092 | 0.099 | 3.5e-01 | -0.104 | 0.288 |
| LPL | -0.078 | 0.091 | 3.9e-01 | -0.257 | 0.102 |
| ITGB1BP2 | -0.080 | 0.097 | 4.1e-01 | -0.274 | 0.113 |
| PDL2 | -0.080 | 0.099 | 4.2e-01 | -0.276 | 0.116 |
| TNFRSF13B | -0.078 | 0.097 | 4.2e-01 | -0.269 | 0.114 |
| REN | 0.077 | 0.096 | 4.2e-01 | -0.114 | 0.268 |
| SLAMF7 | -0.077 | 0.097 | 4.3e-01 | -0.270 | 0.116 |
| FGF23 | 0.072 | 0.096 | 4.6e-01 | -0.119 | 0.262 |
| CD84 | -0.072 | 0.098 | 4.6e-01 | -0.268 | 0.123 |
| SCF | -0.072 | 0.098 | 4.7e-01 | -0.267 | 0.123 |
| hOSCAR | 0.072 | 0.098 | 4.7e-01 | -0.123 | 0.267 |
| ACE2 | 0.066 | 0.094 | 4.8e-01 | -0.120 | 0.253 |
| GIF | 0.069 | 0.099 | 4.9e-01 | -0.127 | 0.265 |
| SPON2 | -0.068 | 0.098 | 4.9e-01 | -0.263 | 0.127 |
| RAGE | 0.067 | 0.098 | 5.0e-01 | -0.128 | 0.262 |
| PIgR | 0.063 | 0.099 | 5.3e-01 | -0.134 | 0.260 |
| TF | 0.055 | 0.099 | 5.8e-01 | -0.142 | 0.251 |
| FGF21 | 0.054 | 0.099 | 5.9e-01 | -0.142 | 0.250 |
| TNFRSF11A | 0.051 | 0.098 | 6.1e-01 | -0.143 | 0.245 |
| BOC | -0.049 | 0.096 | 6.1e-01 | -0.241 | 0.142 |
| IL18 | 0.049 | 0.099 | 6.2e-01 | -0.148 | 0.246 |
| NEMO | -0.047 | 0.099 | 6.4e-01 | -0.243 | 0.150 |
| Dkk1 | -0.047 | 0.098 | 6.4e-01 | -0.242 | 0.149 |
| GLO1 | 0.046 | 0.099 | 6.4e-01 | -0.150 | 0.243 |
| CA5A | 0.044 | 0.099 | 6.6e-01 | -0.153 | 0.242 |
| TRAILR2 | -0.043 | 0.098 | 6.6e-01 | -0.238 | 0.152 |
| GH | -0.043 | 0.099 | 6.7e-01 | -0.238 | 0.153 |
| IDUA | -0.041 | 0.095 | 6.7e-01 | -0.231 | 0.148 |
| SOD2 | -0.042 | 0.098 | 6.7e-01 | -0.236 | 0.153 |
| IL27 | -0.042 | 0.099 | 6.8e-01 | -0.239 | 0.156 |
| SERPINA12 | -0.037 | 0.093 | 6.9e-01 | -0.222 | 0.148 |
| PRSS27 | -0.038 | 0.098 | 7.0e-01 | -0.233 | 0.157 |
| PGF | -0.034 | 0.099 | 7.3e-01 | -0.231 | 0.162 |
| MMP12 | 0.032 | 0.099 | 7.4e-01 | -0.164 | 0.229 |
| CTRC | -0.031 | 0.098 | 7.5e-01 | -0.226 | 0.163 |
| ANG1 | 0.031 | 0.098 | 7.5e-01 | -0.164 | 0.226 |
| VSIG2 | 0.031 | 0.099 | 7.6e-01 | -0.166 | 0.228 |
| CD4 | -0.027 | 0.095 | 7.9e-01 | -0.222 | 0.168 |
| CEACAM8 | -0.027 | 0.098 | 8.0e-01 | -0.223 | 0.171 |
| CTSL1 | -0.026 | 0.099 | 8.1e-01 | -0.217 | 0.170 |
| TM | -0.023 | 0.097 | 8.1e-01 | -0.219 | 0.172 |
| FS | -0.023 | 0.099 | 8.3e-01 | -0.173 | 0.214 |
| SORT1 | 0.021 | 0.097 | 8.4e-01 | -0.216 | 0.177 |
| IL1RL2 | -0.020 | 0.099 | 8.6e-01 | -0.215 | 0.179 |
| PDGFsubunitB | -0.018 | 0.099 | 8.9e-01 | -0.209 | 0.182 |
| TIE2 | -0.014 | 0.099 | 9.2e-01 | -0.207 | 0.187 |
| THPO | -0.010 | 0.099 | 9.4e-01 | -0.203 | 0.189 |
| AGRP | -0.007 | 0.099 | 9.4e-01 | -0.183 | 0.196 |
| PRELP | 0.007 | 0.096 | 9.7e-01 | -0.199 | 0.193 |
| IgGFcreceptorIIb | -0.003 | 0.099 | 9.8e-01 | -0.198 | 0.193 |

**Supplement 2**. Cardiovascular proteins analyzed in childhood cancer survivors (CCS( and controls. Linear regression, CCS vs controls adjusted for age and sex. β-coefficients are two-sided. **Abbreviations:** LEP – leptin, KIM1 – kidney injury molecule-1, MERTK - MER proto-oncogene, PSGL1 - selectin P ligand, DCN – decorin, AMBP - alpha-1-microglobulin/bikunin precursor, PTX3 – Pentraxin-related protein PTX3, HAOX1 - Hydroxyacid oxidase 1, THBS2 - Thrombospondin-2, GT - Gastrotropin, IL6 - interleukin-6, BMP6 - Bone morphogenetic protein 6, FABP2 - Fatty acid-binding protein, intestinal, MMP7 - Matrix metalloproteinase-7, HSP27 - Heat shock 27 kDa protein, MARCO - Macrophage receptor MARCO, PAPPA - Pappalysin-1, SRC - Proto-oncogene tyrosine-protein kinase Src, IL4RA - Interleukin-4 receptor subunit alpha, LOX1 – Lectin-like oxidized LDL receptor 1, CCL3 - C-C motif chemokine 3, PRSS8 - Prostasin, ADAMTS13 - A disintegrin and metalloproteinase with thrombospondin motifs 13, IL17D - Interleukin-17D, TGM2 - Protein-glutamine gammaglutamyltransferase 2, HO1 - Heme oxygenase 1, STK4 - Serine/threonine-protein kinase 4, PAR1 - Proteinase-activated receptor 1, CD40L - CD40 ligand, GDF2 - Growth/differentiation factor 2, CXCL1 - C-X-C motif chemokine 1, Gal9 - Galectin-9, PARP1 - Poly [ADP-ribose] polymerase 1, CCL17 - C-C motif chemokine 17, IL1ra - Interleukin-1 receptor antagonist protein, TNFRSF10A - Tumor necrosis factor receptor superfamily member 10A, DECR1 - mitochondrial 2,4-dienoyl-CoA reductase, XCL1 - Lymphotactin, ADM – pro-adrenomedullin, VEGFD - Vascular endothelial growth factor D, HBEGF - Proheparin-binding EGF-like growth factor, IL16 - Pro-interleukin-16, LPL - Lipoprotein lipase, ITGB1BP2 - Melusin, PDL2 - Programmed cell death 1 ligand 2, TVFRSF13B - Tumor necrosis factor receptor superfamily member 13B, REN - Renin, SLAMF7 - SLAM family member 7, FGF23 - Fibroblast growth factor 23, CD84 - SLAM family member 5, SCF - Stem cell factor, hOSCAR - Osteoclast-associated immunoglobulin like receptor, ACE2 - Angiotensin-converting enzyme 2, GIF - Gastric intrinsic factor, SPON2 - Spondin-2, RAGE - Receptor for advanced glycosylation end products, PIgR - Polymeric immunoglobulin receptor, TF - Tissue factor, FGF21 - Fibroblast growth factor 21, TVFRSF11A - Tumor necrosis factor receptor superfamily member 11A, BOC - Brother of CDO, IL18 - Interleukin-18, NEMO - F-kappa-B essential modulator, Dkk1 - Dickkopf-related protein 1, GLO1 - Lactoylglutathione lyase, CA5A – mitochondrial carbonic anhydrase 5A, TRAILR2 - TNF-related apoptosis-inducing ligand receptor 2, GH - Growth hormone, IDUA - Alpha-L-iduronidase, SOD2 - mitochondrial Superoxide dismutase [Mn], IL27 - Interleukin-27, SERPINA12 - Serpin A12, PRSS27 - Serine protease 27, PGF - Placenta growth factor, MMP12 - Matrix metalloproteinase-12, CTRC - Chymotrypsin C, ANG1 - Angiopoietin-1, VSIG2 - V-set and immunoglobulin domain containing protein 2, CD4 - T-cell surface glycoprotein CD4, CEACAM8 - Carcinoembryonic antigen-related cell adhesion molecule 8, CTSL1 - Cathepsin L1, TM - Thrombomodulin, FS - Follistatin, SORT1 - Sortilin, IL1RL2 - Interleukin-1 receptor-like 2, PDGF subunit B - Platelet-derived growth factor subunit B, TIE2 - Angiopoietin-1 receptor, THPO - Thrombopoietin, AGRP - Agouti-related protein, PRELP - Prolargin, IgGFcreceptorIIb - Low affinity immunoglobulin gamma Fc region receptor II-b