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| **Supplemental Digital Content 4.** Table 3.Candidate plasma biomarkers that changed ≥ 2-fold. (*n*=6). |
| **Protein levels that changed in both diesel and B75-exposed subjects** |
| **UniProt Acession** | **Protein** | **Fold -D, -B75** |
| Q86XX4\_HUMAN | Isoform 2 of Extracellular matrix protein FRAS1 | 6.0, 4.0 |
| FSTL1\_HUMAN | Follistatin-related protein 1 | 5.0, 4.3 |
| P24821\_HUMAN | Isoform 4 of Tenascin | 3.0, 3.0 |
| P55058\_HUMAN | Isoform 3 of Phospholipid transfer protein | 2.8, 2.0 |
| ENPL\_HUMAN | Endoplasmin (HSP90B1) | 0.5, 0.4 |
| P06744\_HUMAN | Isoform 2 of Glucose-6-phosphate isomerase  | 0.4, 0.1 |
| Q13201\_HUMAN | Multimerin-1 | 0.2, 0.4 |
| BLVRB\_HUMAN | Flavin reductase (NADPH)  | 0.2, 0.4 |
| P40925\_HUMAN | Isoform 3 of Malate dehydrogenase, cytoplasmic  | 0.1, 0.5 |
| **Protein levels that changed unique to diesel-exposed subjects** |  |
| LAMA5\_HUMAN | Laminin subunit alpha-5  | INF |
| P35556\_HUMAN | Fibrillin-2  | 2.7 |
| Q92954\_HUMAN | Isoform C of Proteoglycan 4  | 2.5 |
| RNAS1\_HUMAN | Ribonuclease pancreatic | 2.3 |
| E9PL22\_HUMAN | Hypoxia up-regulated protein 1 | 2 |
| F13A\_HUMAN | Coagulation factor XIII A chain | 0.5 |
| LRP1B\_HUMAN | Low-density lipoprotein receptor-related protein 1B  | 0.4 |
| PNPH\_HUMAN | Purine nucleoside phosphorylase  | 0.4 |
| O43493\_HUMAN | Isoform 4 of Trans-Golgi network integral membrane protein 2  | 0.3 |
| P04075\_HUMAN | Isoform 2 of Fructose-bisphosphate aldolase A  | 0.3 |
| P10599-2\_HUMAN | Isoform 2 of Thioredoxin  | 0.3 |
| Q9NS15\_HUMAN | Latent-transforming growth factor beta-binding protein 3  | 0 |
| **Protein levels that changed unique to B75-exposed subjects** |  |
| Q8NBP7\_HUMAN | Proprotein convertase subtilisin/kexin type 9  | 6.5 |
| FBN3\_HUMAN | Fibrillin-3  | 2.7 |
| C1QR1\_HUMAN | Complement component C1q receptor | 2.6 |
| LAMB2\_HUMAN | Laminin subunit beta-2  | 2.5 |
| Q15303\_HUMAN | Isoform JM-B CYT-1 of Receptor tyrosine-protein kinase erbB-4  | 2.3 |
| Q9BWP8-6\_HUMAN | Isoform 6 of Collectin-11  | 0.5 |
| LRP2\_HUMAN | Low-density lipoprotein receptor-related protein 2  | 0.4 |
| O43149\_HUMAN | Zinc finger ZZ-type and EF-hand domain-containing protein 1  | 0.4 |
| MEGF9\_HUMAN | Multiple epidermal growth factor-like domains protein 9  | 0.4 |
| KV121\_HUMAN | Ig kappa chain V-I region Ni  | 0.4 |
| P20023\_HUMAN | Isoform D of Complement receptor type 2  | 0.2 |
| D, diesel. Data are presented as fold-change from baseline using total spectral counts.  |