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| **Supplemental Digital Content 3.** Table 2.Candidate sputum biomarkers that changed ≥ 2-fold (*n*=6). |
| **Protein levels that changed in both diesel and B75-exposed subjects** |
| **UniProt Acession** | **Protein** | **Fold-D, -B75** |
| C9J0K6\_ HUMAN | Sorcin  | 3.0, 3.7 |
| HCLS1\_ HUMAN | Hematopoietic lineage cell-specific protein  | 3.0, 2.8 |
| Q6P452\_ HUMAN | Annexin (ANXA4) | 0.5, 0.5 |
| O95436\_ HUMAN | Sodium-dependent phosphate transport protein 2B | 0.4, 0.4 |
| Q02487\_ HUMAN | Desmocollin-2  | 0.3, 0.3 |
| G5EA09\_ HUMAN | Syndecan binding protein (Syntenin), isoform CRA\_a  | 0.3, 0.4 |
| DPP4\_ HUMAN | Dipeptidyl peptidase 4 | 0.2, 0.2 |
| KAD1\_ HUMAN | Adenylate kinase isoenzyme 1  | 0.1, 0.3 |
| **Protein levels that changed unique to diesel-exposed subjects** |
| MMP8\_ HUMAN | Neutrophil collagenase (MMP-8) | 2.9 |
| APOB\_ HUMAN | Apolipoprotein B-100 | 2.1 |
| KV121\_ HUMAN | Ig kappa chain V-I region Ni  | 2.1 |
| O60506-2\_ HUMAN | Isoform 2 of Heterogeneous nuclear ribonucleoprotein Q  | 0.5 |
| B8ZZA1\_ HUMAN | Thymosin alpha-1 | 0.5 |
| Q13510-2\_ HUMAN | Isoform 2 of Acid ceramidase  | 0.4 |
| ELAF\_ HUMAN | Elafin  | 0.4 |
| O75223\_ HUMAN | Gamma-glutamylcyclotransferase | 0.4 |
| CATH\_ HUMAN | Pro-cathepsin H  | 0.4 |
| DPP2\_ HUMAN | Dipeptidyl peptidase 2  | 0.4 |
| PRTN3\_ HUMAN | Myeloblastin | 0.4 |
| LYAG\_ HUMAN | Lysosomal alpha-glucosidase | 0.4 |
| O75369-2\_ HUMAN | Isoform 2 of Filamin-B | 0.3 |
| UE2NL\_ HUMAN | Putative ubiquitin-conjugating enzyme E2 N-like  | 0.3 |
| NAPSA\_ HUMAN | Napsin-A  | 0.3 |
| SIL1\_ HUMAN | Nucleotide exchange factor SIL1 | 0.2 |
| COTL1\_ HUMAN | Coactosin-like protein  | 0.2 |
| K7ELT5\_ HUMAN | Tubulin-folding cofactor B  | 0.0 |
| **Protein levels that changed unique to B75-exposed subjects** |
| GROA\_ HUMAN | Growth-regulated alpha protein (GRO-α) | 3.0 |
| LEG1\_ HUMAN | Galectin-1  | 2.5 |
| E9PAV3\_ HUMAN | Nascent polypeptide-associated complex subunit alpha | 2.5 |
| O14791-2\_HUMAN | Isoform 2 of Apolipoprotein L1 | 2.5 |
| PROL1\_ HUMAN | Proline-rich protein 1 | 2.4 |
| P49788\_ HUMAN | Retinoic acid receptor responder protein 1 | 2.3 |
| Q5HY54\_ HUMAN | Filamin-A  | 2.0 |
| HV322\_ HUMAN | Ig heavy chain V-III region GAR  | 2.0 |
| BLVRB\_ HUMAN | Flavin reductase (NADPH) (BLVRB) | 2.0 |
| PPIB\_ HUMAN | Peptidyl-prolyl cis-trans isomerase B | 0.5 |
| G3XAD8\_ HUMAN | Stress-induced-phosphoprotein 1 | 0.5 |
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| **UniProt Acession** | **Protein** | **Fold-D, -B75** |
| NAMPT\_ HUMAN | Nicotinamide phosphoribosyltransferase  | 0.5 |
| LV104\_ HUMAN | Ig lambda chain V-I region NIG-64  | 0.4 |
| CADH1\_ HUMAN | Cadherin-1 (E-Cadherin) | 0.2 |
| H0YFH3\_ HUMAN | Complement C1r subcomponent  | 0.1 |
| D, diesel. Data are presented as fold-change from baseline using total spectral counts. |