**Supplemental Digital Content 4, Table 2**. Associations between chemistry screen analytes with Factors LP/Lean.

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|  | **Β ± SE** | **p-value** | **q-value** |
| Sodium | -0.4 ± 0.4 | 0.35 | 0.52 |
| Potassium | -0.6 ± 2.5 | 0.82 | 0.67 |
| Chloride | -0.2 ± 0.2 | 0.39 | 0.53 |
| Alkaline Phosphatase | 0.1 ± 0.1 | 0.40 | 0.53 |
| Serum Glutamate Pyruvate Transaminase | -0.2 ± 0.2 | 0.22 | 0.51 |
| Serum Glutamate Oxaloacetate Transaminase | -0.1 ± 0.2 | 0.67 | 0.62 |
| Lactate Dehydrogenase | 0.0 ± 0.0 | 0.38 | 0.53 |
| Creatinine Kinase | 0.0 ± 0.0 | 0.56 | 0.60 |
| Albumin | 7.9 ± 2.8 | 0.007 | 0.15 |
| Globulin | 1.0 ± 2.5 | 0.70 | 0.63 |
| Total Bilirubin | 3.3 ± 3.0 | 0.27 | 0.52 |
| Phosphorus | 0.2 ± 1.9 | 0.92 | 0.69 |
| Calcium | 6.2 ± 2.2 | 0.007 | 0.15 |
| Blood Urea Nitrogen | 0.4 ± 0.2 | 0.07 | 0.45 |
| Magnesium | 18.4 ± 4.6 | 0.0002 | 0.01 |
| Triglycerides | 0.0 ± 0.0 | 0.91 | 0.69 |

Sex-adjusted associations between chemistry screen analytes with LP/Lean are shown with parameter estimates and standard errors (β ± SE), in order of significance (p-value) and, with false discovery rates (q-values).