**Supplementary File 6.**

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| --- | --- | --- | --- | --- |
| **Variable** | **Estimate** | **Std. Error** | **t value** | **Pr (>Chisq)** |
| Protein | 5.598 | 0.752 | 7.443 | < 0.001\*\*\* |
| Protein2 | -0.137 | 0.018 | -7.523 | < 0.001\*\*\* |
| Carbohydrate | -0.253 | 0.129 | -1.956 | < 0.001\*\*\* |
| Cholesterol | 218.625 | 27.209 | 8.035 | < 0.001\*\*\* |
| Cholesterol2 | -343.733 | 35.242 | -9.754 | < 0.001\*\*\* |
| Protein: cholesterol | 6.239 | 2.189 | 2.850 | 0.004\*\* |
| Protein2: cholesterol | -0.104 | 0.053 | -1.950 | 0.051 |
| Carbohydrate: cholesterol | -5.427 | 1.106 | -4.905 | < 0.001\*\*\* |
| Carbohydrate: cholesterol2 | 7.000 | 1.722 | 4.066 | < 0.001\*\*\* |