**Supplementary File 7.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **Estimate** | **Std. Error** | **t value** | **Pr (>Chisq)** |
| P:C | 2.226 | 2.348 | 0.948 | < 0.001 \*\*\* |
| Cholesterol  | 69.478 | 22.638 | 3.069 | < 0.001 \*\*\* |
| Cholesterol2 | -90.500 | 35.178  | -2.573 | < 0.001 \*\*\* |
| P:C : Cholesterol  | 115.538 | 19.991 | 5.779 | < 0.001 \*\*\* |
| P:C : Cholesterol2 | -135.520 | 31.095 | -4.358 | < 0.001 \*\*\* |