

| Predictor variables | Model 0 (M0) | | Model 1 (M1) | | Final Model (MF) | |
|---------------------|--------------|------------|--------------|-------------------|------------------|-------------------|
| | Beta | P | Beta | P | Beta | P |
| rs9117727 | 0.131 | 6.61E-13 | 0.097 | 1.02E-07 | 0.090 | 5.90E-11 |
| Age (Years) | 0.337 | < 2.00E-16 | 0.317 | < 2.00E-16 | 0.101 | 3.52E-12 |
| Sex (Male) | 0.023 | 0.209 | 0.020 | 2.55E-01 | 0.160 | 0.242 |
| Weight (Kg) | - | - | - | - | 0.646 | < 2.00E-16 |
| PC1 | - | - | -0.149 | 9.25E-16 | -0.104 | 1.28E-13 |
| PC2 | - | - | 0.100 | 2.37E-08 | 0.046 | 0.001 |
| PC3 | - | - | -0.010 | 5.84E-01 | -0.038 | 0.005 |
| PC4 | - | - | 0.029 | 0.101 | 0.005 | 0.717 |
| PC5 | - | - | -0.025 | 0.162 | 0.007 | 0.586 |
| PC6 | - | - | -0.027 | 0.135 | -0.034 | 0.013 |
| PC7 | - | - | -0.004 | 0.801 | -0.001 | 0.936 |
| PC8 | - | - | 0.025 | 0.162 | 0.024 | 0.075 |
| PC9 | - | - | 0.033 | 0.065 | 0.033 | 0.015 |
| PC10 | - | - | -0.012 | 0.516 | 0.007 | 0.621 |
| PC11 | - | - | -0.008 | 0.648 | -0.010 | 0.466 |
| PC12 | - | - | -0.017 | 0.345 | -0.010 | 0.468 |
| PC13 | - | - | 0.027 | 0.127 | 0.022 | 0.1 |
| PC14 | - | - | -0.018 | 0.313 | -0.007 | 0.605 |
| PC15 | - | - | 0.025 | 0.163 | 0.020 | 0.143 |
| PC16 | - | - | 0.000 | 0.99 | -0.020 | 0.134 |
| PC17 | - | - | 0.001 | 0.954 | 0.004 | 0.762 |
| PC18 | - | - | 0.001 | 0.966 | -0.019 | 0.164 |
| PC19 | - | - | -0.007 | 0.691 | 0.002 | 0.891 |
| PC20 | - | - | -0.007 | 0.692 | -0.001 | 0.954 |