**SUPPLEMENTARY TABLE 5A**. Logistic regression for DA+ vs. AW, with SNP x SNP interactions and main effects, adjusted for age, smoking and length of exposure, HDI exposures only

|  |  |  |
| --- | --- | --- |
|  |  | P-values |
| SNP 1 | SNP 2 | SNP 1 | SNP 2 | SNP 1 × SNP 2 |
| NAT1rs11777998 | NAT1rs13253389 | 0.975 | 0.976 | 0.973 |
|  | NAT1rs4298522 | 0.891 | 0.964 | 0.636 |
|  | NAT1rs4921580 | 0.703 | 0.844 | 0.479 |
|  | NAT1rs4921880 | 0.546 | 0.444 | 1.000 |
|  | NAT1rs7003890 | 0.973 | 0.972 | 0.973 |
|  | NAT1rs7017402 | 0.845 | 0.804 | 0.856 |
|  | NAT1rs8190837 | 0.249 | 0.117 | 0.215 |
|  | NAT1rs8190845 | 0.836 | 0.975 | 0..810 |
|  | NAT1rs9325827 | 0.771 | 0.828 | 0.471 |
|  | NAT2rs13277605 | 0.778 | 0.344 | 0.778 |
|  | NAT2rs1801280 | 0.463 | 0.263 | 0.458 |
|  | NAT2rs1961456 | 0.884 | 0.656 | 0.724 |
|  | NAT2rs2410556 | 0.992 | 0.002 | 0.713 |
|  | NAT2rs4271002 | 0.231 | 0.003 | **0.013** |
|  | NAT2rs4646246 | 0.663 | 0.635 | 0.394 |
|  | NAT2rs1799930 | 0.995 | 0.685 | 0.859 |
|  | NAT2rs1799931 | 0.980 | 0.982 | 0.979 |
| NAT1rs13253389 | NAT1rs4298522 | 0.549 | 0.680 | 0.999 |
|  | NAT1rs4921580 | 0.684 | 0.782 | 1.000 |
|  | NAT1rs4921880 | 0.614 | 0.781 | 0.869 |
|  | NAT1rs7003890 | 0.534 | 0.484 | 0.990 |
|  | NAT1rs7017402 | 0.972 | 0.971 | 0.970 |
|  | NAT1rs8190837 | 0.684 | 0.412 | 0.918 |
|  | NAT1rs8190845 | 0.405 | 0.949 | 0.519 |
|  | NAT1rs9325827 | 0.912 | 0.707 | 0.646 |
|  | NAT2rs13277605 | 0.886 | 0.260 | 0.512 |
|  | NAT2rs1801280 | 0.500 | 0.416 | 0.533 |
|  | NAT2rs1961456 | 0.639 | 0.649 | 0.583 |
|  | NAT2rs2410556 | 0.454 | <0.001 | 0.692 |
|  | NAT2rs4271002 | 0.142 | <0.001 | **0.024** |
|  | NAT2rs4646246 | 0.811 | 0.647 | 0.619 |
|  | NAT2rs1799930 | 0.721 | 0.703 | 0.740 |
|  | NAT2rs1799931 | 0.971 | 0.973 | 0.969 |
| NAT1rs4298522 | NAT1rs4921580 | 0.826 | 0.702 | 0.989 |
|  | NAT1rs4921880 | 0.646 | 0.574 | 0.990 |
|  | NAT1rs7003890 | 0.552 | 0.359 | 0.287 |
|  | NAT1rs7017402 | 0.713 | 0.786 | 0.998 |
|  | NAT1rs8190837 | 0.239 | 0.234 | 0.273 |
|  | NAT1rs8190845 | 0.279 | 0.874 | 0.196 |
|  | NAT1rs9325827 | 0.785 | 0.782 | 0.792 |
|  | NAT2rs13277605 | 0.718 | 0.311 | 0.803 |
|  | NAT2rs1801280 | 0.798 | 0.422 | 0.532 |
|  | NAT2rs1961456 | 0.564 | 0.658 | 0.444 |
|  | NAT2rs2410556 | 0.432 | <0.001 | 0.505 |
|  | NAT2rs4271002 | 0.652 | <0.001 | 0.192 |
|  | NAT2rs4646246 | 0.519 | 0.537 | 0.571 |
|  | NAT2rs1799930 | 0.760 | 0.711 | 0.671 |
|  | NAT2rs1799931 | 0.981 | 0.981 | 0.982 |
| NAT1rs4921580 | NAT1rs4921880 | 0.648 | 0.663 | 0.939 |
|  | NAT1rs7003890 | 0.644 | 0.543 | 0.845 |
|  | NAT1rs7017402 | 0.407 | 0.547 | 0.462 |
|  | NAT1rs8190837 | 0.567 | 0.655 | 0.706 |
|  | NAT1rs8190845 | 0.342 | 0.499 | 0.358 |
|  | NAT1rs9325827 | 0.991 | 0.882 | 0.545 |
|  | NAT2rs13277605 | 0.751 | 0.384 | 0.868 |
|  | NAT2rs1801280 | 0.293 | 0.979 | 0.142 |
|  | NAT2rs1961456 | 0.709 | 0.846 | 0.647 |
|  | NAT2rs2410556 | 0.834 | <0.001 | 0.695 |
|  | NAT2rs4271002 | 0.960 | 0.004 | 0.204 |
|  | NAT2rs4646246 | 0.563 | 0.688 | 0.779 |
|  | NAT2rs1799930 | 0.890 | 0.630 | 0.085 |
|  | NAT2rs1799931 | 0.981 | 0.982 | 0.980 |
| NAT1rs4921880 | NAT1rs7003890 | 0.968 | 0.968 | 0.970 |
|  | NAT1rs7017402 | 0.643 | 0.909 | 0.968 |
|  | NAT1rs8190837 | 0.558 | 0.658 | 0.462 |
|  | NAT1rs8190845 | 0.907 | 0.906 | 0.610 |
|  | NAT1rs9325827 | 0.855 | 0.856 | 0.635 |
|  | NAT2rs13277605 | 0.454 | 0.363 | 0.416 |
|  | NAT2rs1801280 | 0.699 | 0.502 | 0.933 |
|  | NAT2rs1961456 | 0.577 | 0.865 | 0.748 |
|  | NAT2rs2410556 | 0.363 | <0.001 | 0.900 |
|  | NAT2rs4271002 | 0.021 | <0.001 | 0.167 |
|  | NAT2rs4646246 | 0.727 | 0.811 | 0.748 |
|  | NAT2rs1799930 | 0.575 | 0.859 | 0.839 |
|  | NAT2rs1799931 | 0.968 | 0.648 | 0.969 |
| NAT1rs7003890 | NAT1rs7017402 | 0.974 | 0.975 | 0.976 |
|  | NAT1rs8190837 | 0.498 | 0.572 | 0.510 |
|  | NAT1rs8190845 | 0.520 | 0.554 | 0.562 |
|  | NAT1rs9325827 | 0.501 | 0.739 | 0.874 |
|  | NAT2rs13277605 | 0.820 | 0.480 | 0.176 |
|  | NAT2rs1801280 | 0.382 | 0.447 | 0.889 |
|  | NAT2rs1961456 | 0.237 | 0.185 | 0.196 |
|  | NAT2rs2410556 | 0.307 | 0.068 | 0.723 |
|  | NAT2rs4271002 | 0.452 | 0.005 | 0.392 |
|  | NAT2rs4646246 | 0.301 | 0.540 | 0.333 |
|  | NAT2rs1799930 | 0.865 | 0.334 | 0.166 |
|  | NAT2rs1799931 | 0.981 | 0.982 | 0.983 |
| NAT1rs7017402 | NAT1rs8190837 | 0.510 | 0.198 | 0.392 |
|  | NAT1rs8190845 | 0.654 | 0.815 | 0.258 |
|  | NAT1rs9325827 | 0.918 | 0.960 | 0.268 |
|  | NAT2rs13277605 | 0.815 | 0.292 | 0.775 |
|  | NAT2rs1801280 | 0.258 | 0.102 | 0.108 |
|  | NAT2rs1961456 | 0.859 | 0.550 | 0.377 |
|  | NAT2rs2410556 | 0.882 | <0.001 | 0.674 |
|  | NAT2rs4271002 | 0.181 | 0.001 | 0.235 |
|  | NAT2rs4646246 | 0.653 | 0.849 | 0.483 |
|  | NAT2rs1799930 | 0.730 | 0.526 | 0.493 |
|  | NAT2rs1799931 | 0.969 | 0.973 | 0.969 |
| NAT1rs8190837 | NAT1rs8190845 | 0.189 | 0.327 | 1.000 |
|  | NAT1rs9325827 | 0.196 | 0.548 | 0.370 |
|  | NAT2rs13277605 | 0.213 | 0.825 | 0.449 |
|  | NAT2rs1801280 | 0.729 | 0.775 | 0.293 |
|  | NAT2rs1961456 | 0.325 | 0.785 | 0.573 |
|  | NAT2rs2410556 | 0.360 | 0.004 | 0.469 |
|  | NAT2rs4271002 | 0.977 | 0.964 | 0.971 |
|  | NAT2rs4646246 | 0.534 | 0.913 | 0.653 |
|  | NAT2rs1799930 | 0.356 | 1.000 | 0.805 |
|  | NAT2rs1799931 | 0.364 | 0.900 | 1.000 |
| NAT1rs8190845 | NAT1rs9325827 | 0.996 | 0.973 | 0.788 |
|  | NAT2rs13277605 | 0.783 | 0.255 | 0.561 |
|  | NAT2rs1801280 | 0.925 | 0.491 | 0.940 |
|  | NAT2rs1961456 | 0.919 | 0.801 | 0.993 |
|  | NAT2rs2410556 | 0.810 | 0.001 | 0.256 |
|  | NAT2rs4271002 | 0.977 | 0.971 | 0.976 |
|  | NAT2rs4646246 | 0.619 | 0.852 | 0.426 |
|  | NAT2rs1799930 | 0.605 | 0.388 | 0.346 |
|  | NAT2rs1799931 | 0.864 | 0.857 | 1.000 |
| NAT1rs9325827 | NAT2rs13277605 | 0.984 | 0.441 | 0.616 |
|  | NAT2rs1801280 | 0.911 | 0.296 | 0.442 |
|  | NAT2rs1961456 | 0.664 | 0.634 | 0.548 |
|  | NAT2rs2410556 | 0.493 | 0.002 | 0.487 |
|  | NAT2rs4271002 | 0.223 | <0.001 | 0.259 |
|  | NAT2rs4646246 | 0.779 | 0.699 | 0.868 |
|  | NAT2rs1799930 | 0.652 | 0.566 | 0.581 |
|  | NAT2rs1799931 | 0.746 | 0.827 | 1.000 |
| NAT2rs13277605 | NAT2rs1801280 | 0.460 | 0.556 | 1.000 |
|  | NAT2rs1961456 | 0.317 | 0.756 | 0.518 |
|  | NAT2rs2410556 | 0.979 | 0.973 | 0.980 |
|  | NAT2rs4271002 | 0.254 | 0.006 | 0.315 |
|  | NAT2rs4646246 | 0.284 | 0.396 | 0.933 |
|  | NAT2rs1799930 | 0.394 | 0.746 | 0.714 |
|  | NAT2rs1799931 | 0.966 | 0.980 | 0.968 |
| NAT2rs1801280 | NAT2rs1961456 | 0.977 | 0.978 | 0.979 |
|  | NAT2rs2410556 | 0.783 | 0.004 | 0.693 |
|  | NAT2rs4271002 | 0.967 | 0.956 | 0.961 |
|  | NAT2rs4646246 | 0.996 | 0.968 | 0.539 |
|  | NAT2rs1799930 | 0.488 | 0.981 | 1.000 |
|  | NAT2rs1799931 | 0.436 | 0.927 | 1.000 |
| NAT2rs1961456 | NAT2rs2410556 | 0.441 | <0.001 | 0.275 |
|  | NAT2rs4271002 | 0.970 | 0.965 | 0.968 |
|  | NAT2rs4646246 | 0.975 | 0.976 | 0.971 |
|  | NAT2rs1799930 | 0.570 | 0.561 | 0.652 |
|  | NAT2rs1799931 | 0.777 | 0.936 | 1.000 |
| NAT2rs2410556 | NAT2rs4271002 | 0.002 | 0.001 | **0.003** |
|  | NAT2rs4646246 | <0.001 | 0.030 | 0.070 |
|  | NAT2rs1799930 | <0.001 | 0.805 | 0.506 |
|  | NAT2rs1799931 | 0.949 | 0.996 | 0.956 |
| NAT2rs4271002 | NAT2rs4646246 | <0.001 | 0.430 | 0.836 |
|  | NAT2rs1799930 | <0.001 | 0.551 | 0.102 |
|  | NAT2rs1799931 | <0.001 | 0.329 | 1.000 |
| NAT2rs4646246 | NAT2rs1799930 | 0.703 | 0.767 | 0.888 |
|  | NAT2rs1799931 | 0.980 | 0.981 | 0.979 |
| NAT2rs1799930 | NAT2rs1799931 | 0.691 | 0.823 | 1.000 |

**Bold** indicates interaction p-value is less than 0.05.

**SUPPLEMENTARY TABLE 5B**. Logistic regression for DA+ vs. DA-, with SNP x SNP interactions and main effects, adjusted for age, smoking, type of exposure and length of exposure

|  |  |  |
| --- | --- | --- |
|  |  | P-values |
| SNP 1 | SNP 2 | SNP 1 | SNP 2 | SNP 1 × SNP 2 |
| NAT1rs11777998 | NAT1rs13253389 | 0.806 | 0.866 | 0.665 |
|  | NAT1rs4298522 | 0.452 | 0.324 | 0.796 |
|  | NAT1rs4921580 | 0.478 | 0.988 | 0.751 |
|  | NAT1rs4921880 | 0.981 | 0.980 | 0.981 |
|  | NAT1rs7003890 | 0.294 | 0.289 | 1.000 |
|  | NAT1rs7017402 | 0.562 | 0.883 | 0.930 |
|  | NAT1rs8190837 | 0.572 | 0.294 | 0.872 |
|  | NAT1rs8190845 | 0.709 | 0.977 | 0.918 |
|  | NAT1rs9325827 | 0.389 | 0.626 | 0.916 |
|  | NAT2rs13277605 | 0.242 | 0.232 | 0.181 |
|  | NAT2rs1801280 | 0.841 | 0.554 | 0.487 |
|  | NAT2rs1961456 | 0.295 | 0.102 | 0.710 |
|  | NAT2rs2410556 | 0.319 | 0.029 | 0.895 |
|  | NAT2rs4271002 | 0.838 | 0.033 | 0.970 |
|  | NAT2rs4646246 | 0.582 | 0.265 | 0.903 |
|  | NAT2rs1799930 | 0.375 | 0.958 | 0.208 |
|  | NAT2rs1799931 | 0.385 | 0.273 | 0.583 |
| NAT1rs13253389 | NAT1rs4298522 | 0.850 | 0.158 | 0.698 |
|  | NAT1rs4921580 | 0.900 | 0.670 | 1.000 |
|  | NAT1rs4921880 | 0.665 | 0.288 | 0.769 |
|  | NAT1rs7003890 | 0.669 | 0.414 | 0.434 |
|  | NAT1rs7017402 | 0.679 | 0.510 | 1.000 |
|  | NAT1rs8190837 | 0.425 | 0.241 | 0.252 |
|  | NAT1rs8190845 | 0.521 | 0.786 | 0.323 |
|  | NAT1rs9325827 | 0.822 | 0.794 | 0.759 |
|  | NAT2rs13277605 | 0.964 | 0.072 | 0.930 |
|  | NAT2rs1801280 | 0.875 | 0.178 | 0.868 |
|  | NAT2rs1961456 | 0.948 | 0.079 | 0.353 |
|  | NAT2rs2410556 | 0.866 | 0.016 | 0.226 |
|  | NAT2rs4271002 | 0.979 | 0.002 | 0.508 |
|  | NAT2rs4646246 | 0.693 | 0.069 | 0.166 |
|  | NAT2rs1799930 | 0.850 | 0.226 | 0.760 |
|  | NAT2rs1799931 | 0.978 | 0.976 | 0.978 |
| NAT1rs4298522 | NAT1rs4921580 | 0.056 | 0.210 | 0.251 |
|  | NAT1rs4921880 | 0.195 | 0.411 | 0.370 |
|  | NAT1rs7003890 | 0.144 | 0.661 | 0.409 |
|  | NAT1rs7017402 | 0.545 | 0.768 | 0.628 |
|  | NAT1rs8190837 | 0.444 | 0.212 | 0.807 |
|  | NAT1rs8190845 | 0.396 | 0.993 | 0.522 |
|  | NAT1rs9325827 | 0.336 | 0.738 | 0.909 |
|  | NAT2rs13277605 | 0.363 | 0.132 | 0.995 |
|  | NAT2rs1801280 | 0.423 | 0.388 | 0.501 |
|  | NAT2rs1961456 | 0.162 | 0.271 | 0.526 |
|  | NAT2rs2410556 | 0.280 | 0.013 | 0.792 |
|  | NAT2rs4271002 | 0.099 | 0.001 | 0.645 |
|  | NAT2rs4646246 | 0.038 | 0.151 | 0.111 |
|  | NAT2rs1799930 | 0.149 | 0.369 | 0.486 |
|  | NAT2rs1799931 | 0.972 | 0.248 | 0.561 |
| NAT1rs4921580 | NAT1rs4921880 | 0.734 | 0.309 | 0.589 |
|  | NAT1rs7003890 | 0.535 | 0.642 | 0.555 |
|  | NAT1rs7017402 | 0.601 | 0.844 | 0.668 |
|  | NAT1rs8190837 | 0.341 | 0.518 | 0.310 |
|  | NAT1rs8190845 | 0.541 | 0.895 | 0.584 |
|  | NAT1rs9325827 | 0.445 | 0.514 | 0.465 |
|  | NAT2rs13277605 | 0.769 | 0.119 | 0.862 |
|  | NAT2rs1801280 | 0.355 | 0.758 | 0.151 |
|  | NAT2rs1961456 | 0.863 | 0.436 | 0.376 |
|  | NAT2rs2410556 | 0.860 | 0.013 | 0.611 |
|  | NAT2rs4271002 | 0.840 | 0.033 | 0.299 |
|  | NAT2rs4646246 | 0.843 | 0.435 | 0.252 |
|  | NAT2rs1799930 | 0.789 | 0.636 | 0.381 |
|  | NAT2rs1799931 | 0.324 | 0.406 | 0.229 |
| NAT1rs4921880 | NAT1rs7003890 | 0.969 | 0.969 | 0.971 |
|  | NAT1rs7017402 | 0.622 | 0.956 | 0.825 |
|  | NAT1rs8190837 | 0.225 | 0.996 | 0.222 |
|  | NAT1rs8190845 | 0.693 | 0.996 | 0.683 |
|  | NAT1rs9325827 | 0.400 | 0.757 | 0.818 |
|  | NAT2rs13277605 | 0.378 | 0.075 | 0.771 |
|  | NAT2rs1801280 | 0.812 | 0.345 | 0.364 |
|  | NAT2rs1961456 | 0.334 | 0.126 | 0.542 |
|  | NAT2rs2410556 | 0.777 | 0.006 | 0.269 |
|  | NAT2rs4271002 | 0.609 | 0.002 | 0.242 |
|  | NAT2rs4646246 | 0.336 | 0.155 | 0.492 |
|  | NAT2rs1799930 | 0.438 | 0.507 | 0.201 |
|  | NAT2rs1799931 | 0.607 | 0.259 | 0.864 |
| NAT1rs7003890 | NAT1rs7017402 | 0.977 | 0.976 | 0.975 |
|  | NAT1rs8190837 | 0.899 | 0.888 | 0.515 |
|  | NAT1rs8190845 | 0.877 | 0.904 | 0.808 |
|  | NAT1rs9325827 | 0.990 | 0.257 | 0.178 |
|  | NAT2rs13277605 | 0.310 | 0.849 | 0.228 |
|  | NAT2rs1801280 | 0.615 | 0.599 | 0.874 |
|  | NAT2rs1961456 | 0.472 | 0.729 | 0.621 |
|  | NAT2rs2410556 | 0.245 | 0.839 | 0.135 |
|  | NAT2rs4271002 | 0.206 | 0.115 | 0.742 |
|  | NAT2rs4646246 | 0.217 | 0.908 | 0.229 |
|  | NAT2rs1799930 | 0.420 | 0.503 | 0.994 |
|  | NAT2rs1799931 | 0.969 | 0.966 | 0.968 |
| NAT1rs7017402 | NAT1rs8190837 | 0.668 | 0.267 | 0.821 |
|  | NAT1rs8190845 | 0.454 | 0.531 | 0.444 |
|  | NAT1rs9325827 | 0.522 | 0.589 | 0.643 |
|  | NAT2rs13277605 | 0.507 | 0.398 | 0.262 |
|  | NAT2rs1801280 | 0.927 | 0.426 | 0.715 |
|  | NAT2rs1961456 | 0.761 | 0.227 | 0.805 |
|  | NAT2rs2410556 | 0.690 | 0.018 | 0.728 |
|  | NAT2rs4271002 | 0.682 | 0.018 | 0.871 |
|  | NAT2rs4646246 | 0.869 | 0.330 | 0.817 |
|  | NAT2rs1799930 | 0.934 | 0.328 | 0.887 |
|  | NAT2rs1799931 | 0.835 | 0.308 | 0.966 |
| NAT1rs8190837 | NAT1rs8190845 | 0.052 | 0.173 | 1.000 |
|  | NAT1rs9325827 | 0.268 | 0.700 | 0.699 |
|  | NAT2rs13277605 | 0.543 | 0.019 | 0.107 |
|  | NAT2rs1801280 | 0.337 | 0.734 | 0.523 |
|  | NAT2rs1961456 | 0.075 | 0.433 | 0.078 |
|  | NAT2rs2410556 | 0.475 | 0.014 | 0.235 |
|  | NAT2rs4271002 | 0.710 | 0.003 | 0.060 |
|  | NAT2rs4646246 | 0.962 | 0.970 | 0.966 |
|  | NAT2rs1799930 | 0.159 | 0.093 | 0.254 |
|  | NAT2rs1799931 | 0.975 | 0.981 | 0.977 |
| NAT1rs8190845 | NAT1rs9325827 | 0.856 | 0.794 | 0.741 |
|  | NAT2rs13277605 | 0.323 | 0.007 | **0.018** |
|  | NAT2rs1801280 | 0.991 | 0.273 | 0.928 |
|  | NAT2rs1961456 | 0.842 | 0.358 | 0.528 |
|  | NAT2rs2410556 | 0.354 | 0.004 | 0.083 |
|  | NAT2rs4271002 | 0.302 | 0.002 | 0.084 |
|  | NAT2rs4646246 | 0.772 | 0.393 | 0.484 |
|  | NAT2rs1799930 | 0.821 | 0.079 | 0.202 |
|  | NAT2rs1799931 | 0.476 | 0.559 | 0.447 |
| NAT1rs9325827 | NAT2rs13277605 | 0.520 | 0.287 | 0.172 |
|  | NAT2rs1801280 | 0.749 | 0.396 | 0.576 |
|  | NAT2rs1961456 | 0.996 | 0.212 | 0.550 |
|  | NAT2rs2410556 | 0.804 | 0.042 | 0.588 |
|  | NAT2rs4271002 | 0.682 | 0.025 | 0.554 |
|  | NAT2rs4646246 | 0.909 | 0.206 | 0.755 |
|  | NAT2rs1799930 | 0.979 | 0.418 | 0.614 |
|  | NAT2rs1799931 | 0.918 | 0.326 | 0.895 |
| NAT2rs13277605 | NAT2rs1801280 | 0.161 | 0.440 | 1.000 |
|  | NAT2rs1961456 | 0.138 | 0.691 | 0.452 |
|  | NAT2rs2410556 | 0.299 | 0.062 | 0.694 |
|  | NAT2rs4271002 | 0.044 | 0.005 | 0.919 |
|  | NAT2rs4646246 | 0.161 | 0.286 | 0.785 |
|  | NAT2rs1799930 | 0.156 | 0.548 | 0.738 |
|  | NAT2rs1799931 | 0.974 | 0.975 | 0.976 |
| NAT2rs1801280 | NAT2rs1961456 | 0.538 | 0.609 | 0.796 |
|  | NAT2rs2410556 | 0.680 | 0.018 | 0.420 |
|  | NAT2rs4271002 | 0.263 | 0.001 | 0.153 |
|  | NAT2rs4646246 | 0.414 | 0.561 | 0.750 |
|  | NAT2rs1799930 | 0.476 | 0.502 | 1.000 |
|  | NAT2rs1799931 | 0.269 | 0.330 | 1.000 |
| NAT2rs1961456 | NAT2rs2410556 | 0.258 | 0.015 | 0.694 |
|  | NAT2rs4271002 | 0.046 | <0.001 | 0.543 |
|  | NAT2rs4646246 | 0.533 | 0.483 | 1.000 |
|  | NAT2rs1799930 | 0.047 | 0.120 | 0.440 |
|  | NAT2rs1799931 | 0.981 | 0.978 | 0.979 |
| NAT2rs2410556 | NAT2rs4271002 | 0.140 | 0.031 | 0.911 |
|  | NAT2rs4646246 | 0.022 | 0.160 | 0.711 |
|  | NAT2rs1799930 | 0.016 | 0.528 | 0.274 |
|  | NAT2rs1799931 | 0.562 | 0.366 | 0.604 |
| NAT2rs4271002 | NAT2rs4646246 | 0.006 | 0.163 | 0.853 |
|  | NAT2rs1799930 | 0.005 | 0.576 | 0.226 |
|  | NAT2rs1799931 | 0.978 | 0.978 | 0.982 |
| NAT2rs4646246 | NAT2rs1799930 | 0.062 | 0.103 | 0.498 |
|  | NAT2rs1799931 | 0.968 | 0.967 | 0.970 |
| NAT2rs1799930 | NAT2rs1799931 | 0.969 | 0.971 | 0.970 |

**Bold** indicates interaction p-value is less than 0.05.