|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Supplementary Table 5. Suggestive SNPs (P < 1×10-5) related to LTPA-EE identified in the Stage 1 GWAS for WHI-EA.** | | | | | | | | |
| SNP | CHR | BP | Effect allele | Ref. allele | MAF | β | S.E. | *P* value |
| 1:116077473 | 1 | 10690867 | C | T | 0.0520 | 1.03 | 0.22 | 2.07E-06 |
| 1:221484368 | 1 | 116077473 | C | T | 0.2939 | 0.31 | 0.07 | 7.76E-06 |
| 1:221484832 | 1 | 221484368 | C | T | 0.2920 | 0.31 | 0.07 | 8.20E-06 |
| 2:116345450 | 2 | 221484832 | T | C | 0.0156 | 1.63 | 0.35 | 2.42E-06 |
| 2:116721937 | 2 | 221492597 | G | T | 0.0112 | 1.95 | 0.40 | 1.08E-06 |
| 2:116722424 | 2 | 221493742 | C | T | 0.0132 | 1.62 | 0.37 | 8.69E-06 |
| 2:116723323 | 2 | 20619570 | C | T | 0.0110 | 1.99 | 0.41 | 8.49E-07 |
| 3:116925379 | 3 | 35009754 | T | C | 0.0193 | 1.35 | 0.29 | 3.01E-06 |
| 3:116940255 | 3 | 35010522 | C | T | 0.0193 | 1.40 | 0.29 | 1.88E-06 |
| 3:116956800 | 3 | 35011156 | G | A | 0.0196 | 1.38 | 0.29 | 1.98E-06 |
| 3:160840399 | 3 | 35013022 | G | C | 0.0216 | 1.29 | 0.28 | 5.13E-06 |
| 4:55968820 | 4 | 35013033 | G | A | 0.0215 | 1.15 | 0.26 | 6.72E-06 |
| 4:76318587 | 4 | 35015699 | T | G | 0.0215 | 1.61 | 0.36 | 6.59E-06 |
| 5:4962990 | 5 | 116345450 | T | C | 0.0283 | 1.08 | 0.23 | 2.60E-06 |
| 5:4978602 | 5 | 116721937 | G | A | 0.0282 | 1.06 | 0.23 | 3.51E-06 |
| 5:4980416 | 5 | 116722424 | T | A | 0.0280 | 1.02 | 0.23 | 7.85E-06 |
| 5:4997984 | 5 | 116723323 | A | G | 0.0290 | 1.05 | 0.23 | 4.42E-06 |
| 5:19162149 | 5 | 35282418 | C | T | 0.4689 | -0.31 | 0.07 | 6.86E-06 |
| 5:36281670 | 5 | 35519988 | A | G | 0.0354 | 1.04 | 0.23 | 8.27E-06 |
| 5:36325941 | 5 | 35525246 | C | T | 0.0690 | 0.72 | 0.16 | 4.64E-06 |
| 5:171499997 | 5 | 35526157 | A | G | 0.2622 | 0.36 | 0.08 | 4.89E-06 |
| 6:28311413 | 6 | 35698595 | C | T | 0.0198 | 1.22 | 0.26 | 1.66E-06 |
| 6:75914430 | 6 | 35698824 | T | C | 0.0251 | 1.13 | 0.26 | 9.30E-06 |
| 6:84344670 | 6 | 35699830 | G | C | 0.2532 | -0.34 | 0.07 | 5.07E-06 |
| 6:122866719 | 6 | 35700045 | C | G | 0.1331 | 0.41 | 0.09 | 7.09E-06 |
| 6:122924637 | 6 | 35701796 | T | C | 0.1349 | 0.41 | 0.09 | 4.50E-06 |
| 6:122928230 | 6 | 35702088 | A | T | 0.1349 | 0.41 | 0.09 | 4.91E-06 |
| 6:122929257 | 6 | 35702670 | T | G | 0.1348 | 0.41 | 0.09 | 5.09E-06 |
| 6:122935161 | 6 | 35704453 | G | A | 0.1349 | 0.41 | 0.09 | 5.30E-06 |
| 6:122939074 | 6 | 35710876 | T | C | 0.1004 | 0.47 | 0.10 | 4.65E-06 |
| 6:152421130 | 6 | 35718680 | T | C | 0.4730 | 0.28 | 0.06 | 9.59E-06 |
| 6:152453094 | 6 | 76713265 | A | G | 0.4556 | -0.28 | 0.06 | 8.85E-06 |
| 6:152453559 | 6 | 116925379 | C | G | 0.4553 | -0.28 | 0.06 | 9.19E-06 |
| 6:152453562 | 6 | 116940255 | A | G | 0.4552 | -0.28 | 0.06 | 9.06E-06 |
| 6:161721254 | 6 | 116956800 | G | A | 0.2088 | -0.38 | 0.08 | 6.96E-06 |
| 6:161723115 | 6 | 154117930 | C | T | 0.1497 | -0.68 | 0.14 | 1.31E-06 |
| 10:16393902 | 10 | 160840399 | C | A | 0.0975 | 0.49 | 0.11 | 7.71E-06 |
| 10:16394189 | 10 | 183547000 | T | C | 0.0984 | 0.50 | 0.11 | 4.33E-06 |
| 10:16395329 | 10 | 183605669 | C | T | 0.0950 | 0.51 | 0.11 | 4.32E-06 |
| 10:16396964 | 10 | 183605684 | C | T | 0.0911 | 0.53 | 0.11 | 1.77E-06 |
| 10:132648267 | 10 | 183625056 | A | G | 0.0974 | 0.52 | 0.11 | 1.92E-06 |
| 11:88192403 | 11 | 4358226 | A | G | 0.0133 | 1.37 | 0.30 | 4.79E-06 |
| 11:88244718 | 11 | 76318587 | C | G | 0.0118 | 1.49 | 0.33 | 5.44E-06 |
| 12:80398472 | 12 | 176388736 | G | T | 0.0732 | 0.55 | 0.12 | 8.99E-06 |
| 12:108796723 | 12 | 4962990 | A | C | 0.1024 | 0.82 | 0.18 | 3.96E-06 |
| 14:49663643 | 14 | 4978602 | G | A | 0.2090 | 0.36 | 0.08 | 4.25E-06 |
| 14:49680753 | 14 | 4980416 | G | A | 0.2108 | 0.34 | 0.08 | 8.40E-06 |
| 14:49680890 | 14 | 4996764 | C | T | 0.2107 | 0.34 | 0.08 | 8.36E-06 |
| 14:49682834 | 14 | 4997984 | G | T | 0.2106 | 0.34 | 0.08 | 8.59E-06 |
| 14:49682885 | 14 | 19162149 | G | A | 0.2106 | 0.34 | 0.08 | 8.61E-06 |
| 14:49683983 | 14 | 36281670 | A | G | 0.2106 | 0.34 | 0.08 | 8.72E-06 |
| 14:62360872 | 14 | 36325941 | A | G | 0.3186 | 0.30 | 0.07 | 8.27E-06 |
| 14:62383395 | 14 | 28311413 | G | A | 0.4139 | 0.28 | 0.06 | 9.86E-06 |
| 14:66695117 | 14 | 75914430 | G | A | 0.0328 | 0.83 | 0.18 | 3.82E-06 |
| 14:66695127 | 14 | 76800120 | G | A | 0.0328 | 0.83 | 0.18 | 3.82E-06 |
| 14:66699452 | 14 | 84344670 | A | G | 0.0333 | 0.80 | 0.18 | 6.26E-06 |
| 14:66702856 | 14 | 122764157 | G | T | 0.0330 | 0.82 | 0.18 | 3.67E-06 |
| 14:66703569 | 14 | 122832878 | A | C | 0.0498 | 0.65 | 0.15 | 8.79E-06 |
| 14:66703954 | 14 | 122862704 | T | C | 0.0330 | 0.82 | 0.18 | 3.63E-06 |
| 14:66704482 | 14 | 122866719 | G | C | 0.0330 | 0.82 | 0.18 | 3.63E-06 |
| 14:66705455 | 14 | 122880297 | G | A | 0.0330 | 0.82 | 0.18 | 3.64E-06 |
| 14:66705765 | 14 | 122880797 | A | G | 0.0330 | 0.82 | 0.18 | 3.64E-06 |
| 14:66706057 | 14 | 122884699 | A | G | 0.0330 | 0.82 | 0.18 | 3.65E-06 |
| 14:66706470 | 14 | 122885389 | T | C | 0.0330 | 0.82 | 0.18 | 3.65E-06 |
| 14:66707109 | 14 | 122886387 | G | T | 0.0323 | 0.84 | 0.18 | 2.56E-06 |
| 14:66707134 | 14 | 122887288 | T | G | 0.0323 | 0.84 | 0.18 | 2.57E-06 |
| 14:66707190 | 14 | 122896350 | A | G | 0.0323 | 0.84 | 0.18 | 2.57E-06 |
| 14:66708299 | 14 | 122896428 | A | G | 0.0323 | 0.84 | 0.18 | 2.60E-06 |
| 14:66708529 | 14 | 122897280 | A | G | 0.0323 | 0.84 | 0.18 | 2.62E-06 |
| 14:66710103 | 14 | 122897549 | A | G | 0.0490 | 0.66 | 0.15 | 9.35E-06 |
| 14:66710163 | 14 | 122900328 | G | C | 0.0490 | 0.66 | 0.15 | 9.39E-06 |
| 14:66711083 | 14 | 122900950 | G | A | 0.0490 | 0.66 | 0.15 | 9.64E-06 |
| 14:66712342 | 14 | 122924637 | T | C | 0.0327 | 0.87 | 0.18 | 1.47E-06 |
| 14:66713318 | 14 | 122928230 | T | C | 0.0488 | 0.67 | 0.15 | 6.70E-06 |
| 14:66715872 | 14 | 122929257 | T | G | 0.0267 | 0.90 | 0.20 | 6.54E-06 |
| 14:66715902 | 14 | 122935161 | G | A | 0.0322 | 0.85 | 0.18 | 2.02E-06 |
| 14:66716159 | 14 | 122939074 | G | C | 0.0322 | 0.85 | 0.18 | 2.04E-06 |
| 14:66716988 | 14 | 135037038 | C | T | 0.0186 | 1.07 | 0.24 | 9.16E-06 |
| 14:66717299 | 14 | 146754346 | G | A | 0.0323 | 0.85 | 0.18 | 2.34E-06 |
| 14:66722620 | 14 | 152421130 | G | C | 0.0323 | 0.84 | 0.18 | 2.78E-06 |
| 14:66722825 | 14 | 152453094 | C | T | 0.0268 | 0.89 | 0.20 | 6.90E-06 |
| 14:66743398 | 14 | 152453559 | A | G | 0.0330 | 0.81 | 0.18 | 4.96E-06 |
| 14:66755047 | 14 | 152453562 | G | A | 0.0341 | 0.79 | 0.18 | 5.29E-06 |
| 14:66756575 | 14 | 152456475 | T | C | 0.0335 | 0.80 | 0.18 | 5.30E-06 |
| 14:66757582 | 14 | 161721254 | G | A | 0.0335 | 0.80 | 0.18 | 5.27E-06 |
| 14:66759916 | 14 | 161723115 | C | T | 0.0335 | 0.81 | 0.18 | 4.92E-06 |
| 14:66760001 | 14 | 7367464 | T | C | 0.0331 | 0.81 | 0.18 | 4.62E-06 |
| 14:66761706 | 14 | 7367803 | C | T | 0.0342 | 0.80 | 0.18 | 4.94E-06 |
| 14:66764704 | 14 | 7370463 | A | G | 0.0342 | 0.81 | 0.18 | 4.07E-06 |
| 14:66768382 | 14 | 7372132 | T | A | 0.0333 | 0.82 | 0.18 | 3.46E-06 |
| 14:66770288 | 14 | 7381347 | T | C | 0.0342 | 0.81 | 0.18 | 3.85E-06 |
| 14:66771507 | 14 | 7383456 | T | A | 0.0343 | 0.80 | 0.18 | 4.67E-06 |
| 14:66772581 | 14 | 7385061 | G | A | 0.0344 | 0.80 | 0.18 | 4.81E-06 |
| 14:66773349 | 14 | 7394243 | C | A | 0.0343 | 0.80 | 0.18 | 4.62E-06 |
| 14:66776709 | 14 | 7395613 | G | A | 0.0342 | 0.80 | 0.18 | 4.50E-06 |
| 14:66777191 | 14 | 7399024 | C | G | 0.0342 | 0.80 | 0.18 | 4.50E-06 |
| 14:66777795 | 14 | 7399049 | T | C | 0.0342 | 0.80 | 0.18 | 4.47E-06 |
| 14:66778072 | 14 | 7403312 | G | A | 0.0342 | 0.80 | 0.18 | 4.49E-06 |
| 14:66783566 | 14 | 7406611 | C | T | 0.0342 | 0.80 | 0.18 | 4.28E-06 |
| 14:66786359 | 14 | 7409051 | G | A | 0.0342 | 0.80 | 0.18 | 4.22E-06 |
| 14:66787702 | 14 | 7409322 | A | T | 0.0343 | 0.80 | 0.18 | 4.20E-06 |
| 14:66790520 | 14 | 7409529 | T | C | 0.0342 | 0.80 | 0.18 | 3.97E-06 |
| 14:66791137 | 14 | 7411902 | C | A | 0.0342 | 0.80 | 0.18 | 3.99E-06 |
| 14:66793354 | 14 | 7412073 | T | C | 0.0234 | 1.01 | 0.22 | 3.81E-06 |
| 14:66797739 | 14 | 35671386 | G | A | 0.0234 | 1.01 | 0.22 | 3.77E-06 |
| 14:66800074 | 14 | 3053992 | A | G | 0.0342 | 0.81 | 0.18 | 3.82E-06 |
| 14:66800242 | 14 | 3054382 | A | T | 0.0343 | 0.81 | 0.18 | 3.80E-06 |
| 14:66800426 | 14 | 6034335 | A | C | 0.0342 | 0.81 | 0.18 | 3.80E-06 |
| 14:66802512 | 14 | 6035553 | T | C | 0.0339 | 0.82 | 0.18 | 3.25E-06 |
| 14:66803685 | 14 | 92837798 | G | T | 0.0342 | 0.82 | 0.18 | 3.08E-06 |
| 14:66814324 | 14 | 92841005 | C | T | 0.0344 | 0.83 | 0.18 | 2.27E-06 |
| 14:66814570 | 14 | 99271554 | T | C | 0.0347 | 0.82 | 0.17 | 2.60E-06 |
| 14:66815342 | 14 | 139749799 | C | T | 0.0347 | 0.82 | 0.17 | 2.59E-06 |
| 14:66817392 | 14 | 95427993 | C | G | 0.0348 | 0.81 | 0.17 | 2.81E-06 |
| 14:66818259 | 14 | 95461111 | C | G | 0.0348 | 0.81 | 0.17 | 2.76E-06 |
| 14:66818707 | 14 | 16393902 | G | C | 0.0348 | 0.81 | 0.17 | 2.73E-06 |
| 14:66819564 | 14 | 16394189 | G | A | 0.0353 | 0.81 | 0.17 | 3.23E-06 |
| 14:66833851 | 14 | 16395329 | C | G | 0.0341 | 0.79 | 0.18 | 6.51E-06 |
| 14:66855987 | 14 | 16396964 | G | A | 0.0334 | 0.87 | 0.18 | 8.60E-07 |
| 14:66862874 | 14 | 23358620 | C | T | 0.0341 | 0.79 | 0.18 | 5.89E-06 |
| 14:66870741 | 14 | 132648267 | T | A | 0.0337 | 0.82 | 0.18 | 2.98E-06 |
| 14:66873029 | 14 | 132650127 | T | C | 0.0341 | 0.79 | 0.18 | 5.89E-06 |
| 14:66882835 | 14 | 132658286 | C | T | 0.0245 | 0.95 | 0.21 | 6.98E-06 |
| 14:66893018 | 14 | 42306253 | C | T | 0.0245 | 0.95 | 0.21 | 6.85E-06 |
| 14:66934703 | 14 | 59855385 | G | A | 0.0288 | 0.87 | 0.19 | 4.92E-06 |
| 14:66963624 | 14 | 88089467 | C | T | 0.0183 | 1.10 | 0.25 | 7.82E-06 |
| 14:66981212 | 14 | 88192403 | A | G | 0.0238 | 0.97 | 0.22 | 5.96E-06 |
| 14:66991877 | 14 | 88244718 | T | A | 0.0339 | 0.81 | 0.18 | 5.06E-06 |
| 14:66991888 | 14 | 44739393 | T | A | 0.0339 | 0.81 | 0.18 | 5.05E-06 |
| 14:66994701 | 14 | 69439208 | T | C | 0.0343 | 0.80 | 0.18 | 5.69E-06 |
| 14:67001972 | 14 | 69439211 | C | T | 0.0452 | 0.69 | 0.15 | 5.72E-06 |
| 14:67003873 | 14 | 69443664 | T | C | 0.0453 | 0.70 | 0.15 | 4.78E-06 |
| 14:67004966 | 14 | 69445179 | T | A | 0.0350 | 0.77 | 0.18 | 9.65E-06 |
| 14:67015285 | 14 | 69446109 | G | A | 0.0459 | 0.71 | 0.15 | 4.30E-06 |
| 14:67015642 | 14 | 69446334 | A | T | 0.0355 | 0.78 | 0.18 | 8.20E-06 |
| 14:67018683 | 14 | 93058768 | T | C | 0.0461 | 0.71 | 0.15 | 4.40E-06 |
| 14:67024964 | 14 | 93058946 | A | G | 0.0467 | 0.71 | 0.15 | 3.80E-06 |
| 14:67030895 | 14 | 108796723 | G | A | 0.0472 | 0.70 | 0.15 | 4.77E-06 |
| 14:67037349 | 14 | 133737119 | C | A | 0.0473 | 0.70 | 0.15 | 4.61E-06 |
| 14:67039145 | 14 | 133765058 | T | A | 0.0465 | 0.73 | 0.16 | 2.58E-06 |
| 14:67040320 | 14 | 58771889 | G | A | 0.0476 | 0.70 | 0.15 | 4.85E-06 |
| 14:67040327 | 14 | 58813871 | A | G | 0.0476 | 0.71 | 0.15 | 4.37E-06 |
| 14:67048088 | 14 | 60213099 | C | A | 0.0472 | 0.70 | 0.15 | 4.66E-06 |
| 14:67052356 | 14 | 49663643 | C | T | 0.0370 | 0.81 | 0.18 | 3.89E-06 |
| 14:67063401 | 14 | 49680753 | G | A | 0.0473 | 0.70 | 0.15 | 4.84E-06 |
| 14:67067838 | 14 | 49680890 | G | T | 0.0473 | 0.70 | 0.15 | 4.87E-06 |
| 14:67070319 | 14 | 49682834 | T | C | 0.0361 | 0.80 | 0.18 | 6.06E-06 |
| 14:67074375 | 14 | 49682885 | T | C | 0.0471 | 0.70 | 0.15 | 4.93E-06 |
| 14:67075665 | 14 | 49683983 | C | T | 0.0355 | 0.82 | 0.18 | 3.39E-06 |
| 14:67082389 | 14 | 49695107 | A | G | 0.0360 | 0.81 | 0.18 | 4.33E-06 |
| 14:67086940 | 14 | 62360872 | G | A | 0.0474 | 0.68 | 0.15 | 6.39E-06 |
| 14:67095935 | 14 | 62383395 | A | G | 0.0470 | 0.68 | 0.15 | 6.23E-06 |
| 14:67097272 | 14 | 66695117 | C | T | 0.0471 | 0.68 | 0.15 | 6.68E-06 |
| 14:67097538 | 14 | 66695127 | G | C | 0.0362 | 0.78 | 0.17 | 8.15E-06 |
| 14:67102383 | 14 | 66699452 | C | T | 0.0469 | 0.68 | 0.15 | 6.29E-06 |
| 14:67105759 | 14 | 66702856 | G | C | 0.0467 | 0.69 | 0.15 | 6.15E-06 |
| 14:67106528 | 14 | 66703954 | T | C | 0.0358 | 0.78 | 0.18 | 7.79E-06 |
| 14:67106634 | 14 | 66704482 | T | C | 0.0475 | 0.69 | 0.15 | 4.91E-06 |
| 14:67107591 | 14 | 66705455 | C | G | 0.0475 | 0.69 | 0.15 | 4.89E-06 |
| 14:67107783 | 14 | 66705765 | C | T | 0.0351 | 0.81 | 0.18 | 4.04E-06 |
| 14:67111197 | 14 | 66706057 | G | A | 0.0357 | 0.78 | 0.18 | 8.48E-06 |
| 14:67113636 | 14 | 66706470 | A | G | 0.0475 | 0.69 | 0.15 | 4.66E-06 |
| 14:67113742 | 14 | 66707109 | G | A | 0.0571 | 0.66 | 0.15 | 6.23E-06 |
| 14:67115671 | 14 | 66707134 | G | T | 0.0472 | 0.69 | 0.15 | 4.72E-06 |
| 14:67116995 | 14 | 66707190 | A | G | 0.0471 | 0.69 | 0.15 | 4.67E-06 |
| 14:67117190 | 14 | 66708299 | C | T | 0.0471 | 0.69 | 0.15 | 4.67E-06 |
| 14:67120432 | 14 | 66708529 | C | A | 0.0469 | 0.69 | 0.15 | 4.56E-06 |
| 14:67125798 | 14 | 66712342 | A | G | 0.0353 | 0.78 | 0.18 | 7.27E-06 |
| 14:67126819 | 14 | 66713318 | T | A | 0.0469 | 0.69 | 0.15 | 4.87E-06 |
| 14:67130346 | 14 | 66715872 | A | T | 0.0463 | 0.72 | 0.15 | 2.52E-06 |
| 14:67130449 | 14 | 66715902 | A | G | 0.0346 | 0.81 | 0.18 | 4.22E-06 |
| 14:67139913 | 14 | 66716159 | C | T | 0.0449 | 0.69 | 0.15 | 7.19E-06 |
| 14:67142113 | 14 | 66716988 | C | T | 0.0449 | 0.69 | 0.15 | 5.24E-06 |
| 14:67148135 | 14 | 66717299 | A | T | 0.0344 | 0.78 | 0.18 | 7.88E-06 |
| 14:67150649 | 14 | 66722620 | G | A | 0.0441 | 0.70 | 0.15 | 5.05E-06 |
| 14:67152244 | 14 | 66722825 | T | C | 0.0341 | 0.80 | 0.18 | 5.24E-06 |
| 14:67156394 | 14 | 66743398 | C | T | 0.0443 | 0.69 | 0.15 | 5.45E-06 |
| 14:67160209 | 14 | 66755047 | C | A | 0.0443 | 0.69 | 0.15 | 5.52E-06 |
| 14:67160780 | 14 | 66756575 | G | A | 0.0443 | 0.69 | 0.15 | 5.49E-06 |
| 14:67165311 | 14 | 66757582 | G | A | 0.0443 | 0.69 | 0.15 | 5.62E-06 |
| 14:67165890 | 14 | 66759916 | G | C | 0.0443 | 0.69 | 0.15 | 5.47E-06 |
| 14:67168568 | 14 | 66760001 | G | C | 0.0443 | 0.69 | 0.15 | 5.68E-06 |
| 14:67173190 | 14 | 66761706 | C | T | 0.0471 | 0.71 | 0.15 | 3.61E-06 |
| 14:67174216 | 14 | 66764704 | G | A | 0.0443 | 0.70 | 0.15 | 4.92E-06 |
| 14:67180542 | 14 | 66768382 | A | G | 0.0436 | 0.69 | 0.16 | 7.04E-06 |
| 14:67187169 | 14 | 66770288 | G | T | 0.0360 | 0.78 | 0.18 | 7.98E-06 |
| 14:67194097 | 14 | 66771507 | T | A | 0.0240 | 0.98 | 0.22 | 5.80E-06 |
| 14:67206082 | 14 | 66772581 | C | T | 0.0436 | 0.72 | 0.15 | 3.21E-06 |
| 14:67206710 | 14 | 66773349 | G | A | 0.0449 | 0.72 | 0.15 | 2.68E-06 |
| 14:67212968 | 14 | 66776709 | G | A | 0.0345 | 0.79 | 0.18 | 6.62E-06 |
| 14:67233306 | 14 | 66777191 | C | T | 0.0442 | 0.72 | 0.15 | 3.03E-06 |
| 14:67240128 | 14 | 66777795 | A | G | 0.0441 | 0.72 | 0.15 | 2.98E-06 |
| 14:67243497 | 14 | 66778072 | A | G | 0.0438 | 0.71 | 0.15 | 3.78E-06 |
| 14:67245588 | 14 | 66783566 | G | A | 0.0441 | 0.72 | 0.15 | 2.96E-06 |
| 14:67246180 | 14 | 66786359 | A | G | 0.0441 | 0.72 | 0.15 | 2.94E-06 |
| 14:67247036 | 14 | 66787702 | T | C | 0.0440 | 0.72 | 0.15 | 2.94E-06 |
| 14:67251723 | 14 | 66790520 | G | T | 0.0440 | 0.72 | 0.15 | 2.80E-06 |
| 14:67261821 | 14 | 66791137 | G | A | 0.0442 | 0.72 | 0.15 | 2.97E-06 |
| 14:67272366 | 14 | 66793354 | T | C | 0.0443 | 0.72 | 0.15 | 2.97E-06 |
| 14:67277310 | 14 | 66797739 | G | A | 0.0349 | 0.84 | 0.18 | 2.02E-06 |
| 14:67277444 | 14 | 66800074 | T | C | 0.0433 | 0.72 | 0.16 | 3.15E-06 |
| 14:67284449 | 14 | 66800242 | C | A | 0.0338 | 0.80 | 0.18 | 5.81E-06 |
| 14:67291186 | 14 | 66800426 | T | C | 0.0427 | 0.73 | 0.16 | 2.87E-06 |
| 14:67293994 | 14 | 66802512 | C | T | 0.0453 | 0.75 | 0.15 | 9.95E-07 |
| 14:67295216 | 14 | 66803685 | C | G | 0.0328 | 0.83 | 0.18 | 3.00E-06 |
| 14:67302214 | 14 | 66814324 | A | G | 0.0464 | 0.78 | 0.15 | 3.08E-07 |
| 14:67312360 | 14 | 66814570 | T | C | 0.0430 | 0.73 | 0.16 | 2.21E-06 |
| 14:67315571 | 14 | 66815342 | A | G | 0.0435 | 0.75 | 0.16 | 1.26E-06 |
| 14:67319524 | 14 | 66817392 | A | G | 0.0333 | 0.86 | 0.18 | 1.50E-06 |
| 14:67332377 | 14 | 66818259 | C | T | 0.0432 | 0.75 | 0.16 | 1.38E-06 |
| 14:67345083 | 14 | 66818707 | C | G | 0.0428 | 0.75 | 0.16 | 1.54E-06 |
| 14:67345626 | 14 | 66819564 | A | G | 0.0328 | 0.83 | 0.18 | 2.88E-06 |
| 14:67346064 | 14 | 66833851 | A | G | 0.0326 | 0.84 | 0.18 | 2.43E-06 |
| 14:67348341 | 14 | 66855987 | C | A | 0.0430 | 0.74 | 0.16 | 2.15E-06 |
| 14:67351019 | 14 | 66862874 | T | C | 0.0430 | 0.73 | 0.16 | 2.20E-06 |
| 14:67352457 | 14 | 66870741 | A | G | 0.0236 | 0.98 | 0.22 | 6.11E-06 |
| 14:67358111 | 14 | 66873029 | G | A | 0.0328 | 0.83 | 0.18 | 2.98E-06 |
| 14:67359304 | 14 | 66882835 | A | C | 0.0332 | 0.80 | 0.18 | 5.35E-06 |
| 14:67361552 | 14 | 66893018 | G | A | 0.0340 | 0.80 | 0.18 | 4.44E-06 |
| 14:67369566 | 14 | 66934703 | G | A | 0.0429 | 0.74 | 0.16 | 1.79E-06 |
| 14:67371504 | 14 | 66963624 | G | A | 0.0429 | 0.74 | 0.16 | 1.79E-06 |
| 14:67372639 | 14 | 66981212 | C | G | 0.0429 | 0.74 | 0.16 | 1.80E-06 |
| 14:67373841 | 14 | 66991877 | T | C | 0.0328 | 0.83 | 0.18 | 2.88E-06 |
| 14:67375007 | 14 | 66991888 | C | T | 0.0429 | 0.74 | 0.16 | 1.80E-06 |
| 14:67384143 | 14 | 66994701 | C | A | 0.0429 | 0.74 | 0.16 | 2.10E-06 |
| 14:67385728 | 14 | 67001972 | T | G | 0.0429 | 0.74 | 0.16 | 2.11E-06 |
| 14:67394762 | 14 | 67003873 | C | T | 0.0332 | 0.81 | 0.18 | 5.09E-06 |
| 14:67409051 | 14 | 67004966 | G | A | 0.0429 | 0.75 | 0.16 | 1.68E-06 |
| 14:67409792 | 14 | 67015285 | C | A | 0.0327 | 0.83 | 0.18 | 2.74E-06 |
| 14:67411748 | 14 | 67015642 | T | C | 0.0426 | 0.74 | 0.16 | 2.19E-06 |
| 14:67411750 | 14 | 67018683 | T | G | 0.0429 | 0.75 | 0.16 | 1.68E-06 |
| 14:67416977 | 14 | 67024964 | C | T | 0.0331 | 0.81 | 0.18 | 5.02E-06 |
| 14:67417083 | 14 | 67030895 | T | C | 0.0331 | 0.81 | 0.18 | 5.02E-06 |
| 14:67419996 | 14 | 67037349 | G | T | 0.0343 | 0.80 | 0.18 | 6.37E-06 |
| 14:67420601 | 14 | 67039145 | A | T | 0.0331 | 0.81 | 0.18 | 5.04E-06 |
| 14:67422523 | 14 | 67040320 | T | C | 0.0329 | 0.82 | 0.18 | 4.60E-06 |
| 14:67426320 | 14 | 67040327 | G | A | 0.0328 | 0.83 | 0.18 | 2.87E-06 |
| 14:67435182 | 14 | 67048088 | A | G | 0.0336 | 0.80 | 0.18 | 5.94E-06 |
| 14:67440356 | 14 | 67052356 | A | G | 0.0428 | 0.75 | 0.16 | 1.68E-06 |
| 14:67461216 | 14 | 67063401 | G | T | 0.0232 | 0.99 | 0.22 | 6.44E-06 |
| 14:67473698 | 14 | 67067838 | C | G | 0.0433 | 0.76 | 0.16 | 1.06E-06 |
| 14:67480761 | 14 | 67070319 | T | C | 0.0430 | 0.74 | 0.16 | 1.95E-06 |
| 14:67481044 | 14 | 67074375 | G | A | 0.0320 | 0.88 | 0.18 | 1.23E-06 |
| 14:67481376 | 14 | 67075665 | C | T | 0.0430 | 0.74 | 0.16 | 1.95E-06 |
| 14:67482563 | 14 | 67082389 | T | A | 0.0430 | 0.74 | 0.16 | 1.95E-06 |
| 14:67482847 | 14 | 67086940 | T | A | 0.0427 | 0.74 | 0.16 | 2.44E-06 |
| 14:67482888 | 14 | 67095613 | T | G | 0.0429 | 0.74 | 0.16 | 2.25E-06 |
| 14:67483521 | 14 | 67095935 | C | T | 0.0428 | 0.73 | 0.16 | 2.80E-06 |
| 14:67484346 | 14 | 67097272 | A | G | 0.0335 | 0.81 | 0.18 | 4.65E-06 |
| 14:67485640 | 14 | 67097538 | G | A | 0.0430 | 0.74 | 0.16 | 1.96E-06 |
| 14:67493586 | 14 | 67102383 | C | T | 0.0373 | 0.79 | 0.18 | 6.43E-06 |
| 14:67501555 | 14 | 67105759 | G | A | 0.0435 | 0.75 | 0.16 | 1.19E-06 |
| 14:67502958 | 14 | 67106528 | A | G | 0.0440 | 0.76 | 0.16 | 1.03E-06 |
| 14:67506653 | 14 | 67106634 | A | C | 0.0434 | 0.75 | 0.16 | 1.18E-06 |
| 14:67510348 | 14 | 67107591 | A | T | 0.0432 | 0.75 | 0.16 | 1.46E-06 |
| 14:67511747 | 14 | 67107783 | A | G | 0.0439 | 0.75 | 0.16 | 1.38E-06 |
| 14:67514736 | 14 | 67111197 | C | T | 0.0436 | 0.75 | 0.16 | 1.20E-06 |
| 14:67515283 | 14 | 67113636 | T | C | 0.0436 | 0.75 | 0.16 | 1.20E-06 |
| 14:67516791 | 14 | 67113742 | G | A | 0.0435 | 0.75 | 0.16 | 1.21E-06 |
| 14:67520016 | 14 | 67115671 | A | G | 0.0240 | 0.99 | 0.22 | 5.04E-06 |
| 14:67521918 | 14 | 67116995 | G | A | 0.0435 | 0.75 | 0.16 | 1.23E-06 |
| 14:67525696 | 14 | 67117190 | T | C | 0.0435 | 0.75 | 0.16 | 1.23E-06 |
| 14:67534401 | 14 | 67120432 | C | T | 0.0480 | 0.71 | 0.15 | 3.30E-06 |
| 14:67537863 | 14 | 67125798 | G | A | 0.0442 | 0.76 | 0.16 | 9.77E-07 |
| 14:67538315 | 14 | 67126819 | G | A | 0.0439 | 0.76 | 0.16 | 1.18E-06 |
| 14:67538948 | 14 | 67130346 | A | G | 0.0444 | 0.75 | 0.16 | 1.24E-06 |
| 14:67542973 | 14 | 67130449 | T | C | 0.0445 | 0.75 | 0.16 | 1.24E-06 |
| 14:67549803 | 14 | 67139913 | A | G | 0.0467 | 0.75 | 0.15 | 9.70E-07 |
| 14:67556042 | 14 | 67142113 | G | A | 0.0249 | 0.95 | 0.21 | 6.54E-06 |
| 14:67556265 | 14 | 67148135 | C | T | 0.0445 | 0.75 | 0.16 | 1.21E-06 |
| 14:67559846 | 14 | 67150649 | T | C | 0.0257 | 0.92 | 0.21 | 8.68E-06 |
| 14:67561321 | 14 | 67152244 | T | C | 0.0446 | 0.75 | 0.16 | 1.24E-06 |
| 14:67565738 | 14 | 67156394 | T | C | 0.0452 | 0.75 | 0.15 | 1.00E-06 |
| 14:67567170 | 14 | 67160209 | A | T | 0.0443 | 0.75 | 0.16 | 1.12E-06 |
| 14:67568611 | 14 | 67160780 | C | T | 0.0455 | 0.73 | 0.16 | 2.60E-06 |
| 14:67593836 | 14 | 67165311 | G | A | 0.0485 | 0.82 | 0.17 | 1.41E-06 |
| 14:67600169 | 14 | 67165890 | G | A | 0.0337 | 0.84 | 0.18 | 1.89E-06 |
| 14:67604368 | 14 | 67168568 | G | C | 0.0435 | 0.76 | 0.15 | 6.96E-07 |
| 14:67604637 | 14 | 67173190 | T | G | 0.0436 | 0.74 | 0.16 | 1.44E-06 |
| 14:67613392 | 14 | 67174216 | G | T | 0.0439 | 0.75 | 0.15 | 1.18E-06 |
| 14:67614107 | 14 | 67180542 | G | A | 0.0439 | 0.75 | 0.15 | 1.18E-06 |
| 14:67616737 | 14 | 67187169 | A | G | 0.0435 | 0.76 | 0.15 | 7.02E-07 |
| 14:67617204 | 14 | 67194097 | T | C | 0.0432 | 0.76 | 0.16 | 1.08E-06 |
| 14:67617954 | 14 | 67206082 | T | A | 0.0435 | 0.76 | 0.15 | 7.04E-07 |
| 14:67622339 | 14 | 67206710 | G | A | 0.0439 | 0.75 | 0.15 | 1.19E-06 |
| 14:67624540 | 14 | 67212968 | G | A | 0.0430 | 0.78 | 0.16 | 5.72E-07 |
| 14:67624583 | 14 | 67233306 | C | T | 0.0436 | 0.76 | 0.15 | 7.06E-07 |
| 14:67632580 | 14 | 67240128 | G | A | 0.0436 | 0.74 | 0.16 | 1.45E-06 |
| 14:67634318 | 14 | 67243497 | T | G | 0.0435 | 0.76 | 0.15 | 7.27E-07 |
| 14:67647050 | 14 | 67245588 | C | G | 0.0253 | 0.94 | 0.21 | 5.28E-06 |
| 14:67652922 | 14 | 67246180 | G | A | 0.0435 | 0.76 | 0.15 | 6.86E-07 |
| 14:67654476 | 14 | 67247036 | T | G | 0.0435 | 0.76 | 0.15 | 6.87E-07 |
| 14:67656715 | 14 | 67251723 | G | A | 0.0436 | 0.77 | 0.16 | 6.57E-07 |
| 14:67676272 | 14 | 67261821 | C | T | 0.0326 | 0.80 | 0.18 | 6.36E-06 |
| 14:67676484 | 14 | 67272366 | G | A | 0.0326 | 0.80 | 0.18 | 6.29E-06 |
| 14:67678943 | 14 | 67277310 | G | T | 0.0326 | 0.80 | 0.18 | 6.21E-06 |
| 14:67681364 | 14 | 67277444 | G | A | 0.0315 | 0.85 | 0.19 | 8.21E-06 |
| 14:67682636 | 14 | 67284449 | C | A | 0.0325 | 0.81 | 0.18 | 5.33E-06 |
| 14:67684731 | 14 | 67291186 | C | T | 0.0326 | 0.80 | 0.18 | 6.40E-06 |
| 14:67688099 | 14 | 67293994 | T | C | 0.0325 | 0.81 | 0.18 | 5.34E-06 |
| 14:67688912 | 14 | 67295216 | A | G | 0.0326 | 0.80 | 0.18 | 6.39E-06 |
| 14:67689120 | 14 | 67302214 | T | C | 0.0325 | 0.81 | 0.18 | 5.34E-06 |
| 14:67689778 | 14 | 67312360 | A | G | 0.0326 | 0.80 | 0.18 | 6.36E-06 |
| 14:67689872 | 14 | 67315571 | A | C | 0.0326 | 0.80 | 0.18 | 6.39E-06 |
| 14:67691720 | 14 | 67319524 | C | T | 0.0326 | 0.80 | 0.18 | 6.39E-06 |
| 14:67691785 | 14 | 67332377 | C | T | 0.0326 | 0.80 | 0.18 | 6.39E-06 |
| 14:67692772 | 14 | 67345083 | G | A | 0.0326 | 0.80 | 0.18 | 6.39E-06 |
| 14:67693325 | 14 | 67345626 | G | A | 0.0325 | 0.81 | 0.18 | 5.37E-06 |
| 14:67693911 | 14 | 67346064 | C | A | 0.0327 | 0.82 | 0.18 | 4.61E-06 |
| 14:67695190 | 14 | 67348341 | G | A | 0.0330 | 0.80 | 0.18 | 5.55E-06 |
| 14:67696333 | 14 | 67351019 | A | G | 0.0330 | 0.79 | 0.18 | 8.90E-06 |
| 14:67696916 | 14 | 67352457 | G | C | 0.0326 | 0.80 | 0.18 | 6.42E-06 |
| 14:67697214 | 14 | 67358111 | A | G | 0.0326 | 0.80 | 0.18 | 6.43E-06 |
| 14:67697889 | 14 | 67359304 | T | G | 0.0326 | 0.80 | 0.18 | 6.44E-06 |
| 14:67698554 | 14 | 67361552 | T | C | 0.0326 | 0.80 | 0.18 | 6.48E-06 |
| 14:67698916 | 14 | 67369288 | A | G | 0.0326 | 0.80 | 0.18 | 6.45E-06 |
| 14:67699205 | 14 | 67369566 | T | G | 0.0325 | 0.81 | 0.18 | 5.36E-06 |
| 14:67700603 | 14 | 67371504 | G | T | 0.0325 | 0.81 | 0.18 | 5.36E-06 |
| 14:67700986 | 14 | 67372639 | G | A | 0.0325 | 0.81 | 0.18 | 5.37E-06 |
| 14:67701834 | 14 | 67373841 | C | T | 0.0325 | 0.81 | 0.18 | 5.43E-06 |
| 14:67702660 | 14 | 67375007 | G | A | 0.0324 | 0.81 | 0.18 | 5.45E-06 |
| 14:67703701 | 14 | 67384143 | G | A | 0.0358 | 0.82 | 0.17 | 2.00E-06 |
| 14:67707622 | 14 | 67385728 | A | T | 0.0328 | 0.81 | 0.18 | 4.45E-06 |
| 14:67708388 | 14 | 67394762 | G | A | 0.0325 | 0.81 | 0.18 | 5.53E-06 |
| 14:67710624 | 14 | 67409051 | T | C | 0.0324 | 0.81 | 0.18 | 5.56E-06 |
| 14:67711174 | 14 | 67409792 | G | T | 0.0324 | 0.81 | 0.18 | 5.58E-06 |
| 14:67712342 | 14 | 67411748 | A | T | 0.0328 | 0.81 | 0.18 | 4.77E-06 |
| 14:67712684 | 14 | 67411750 | A | G | 0.0324 | 0.81 | 0.18 | 5.59E-06 |
| 14:67712998 | 14 | 67416977 | C | T | 0.0324 | 0.81 | 0.18 | 5.58E-06 |
| 14:67713222 | 14 | 67417083 | G | A | 0.0328 | 0.81 | 0.18 | 4.78E-06 |
| 14:67714496 | 14 | 67419996 | A | G | 0.0323 | 0.81 | 0.18 | 5.20E-06 |
| 14:67714759 | 14 | 67420601 | T | G | 0.0324 | 0.81 | 0.18 | 5.61E-06 |
| 14:67715550 | 14 | 67422523 | T | C | 0.0324 | 0.81 | 0.18 | 5.60E-06 |
| 14:67715990 | 14 | 67426320 | T | G | 0.0324 | 0.81 | 0.18 | 5.60E-06 |
| 14:67717276 | 14 | 67435182 | T | C | 0.0324 | 0.81 | 0.18 | 5.62E-06 |
| 14:67717331 | 14 | 67440356 | G | A | 0.0324 | 0.81 | 0.18 | 5.62E-06 |
| 14:67717711 | 14 | 67461216 | A | G | 0.0324 | 0.81 | 0.18 | 5.66E-06 |
| 14:67717971 | 14 | 67473698 | G | A | 0.0324 | 0.81 | 0.18 | 5.62E-06 |
| 14:67718328 | 14 | 67480761 | A | G | 0.0328 | 0.81 | 0.18 | 4.65E-06 |
| 14:67718711 | 14 | 67481044 | C | T | 0.0324 | 0.81 | 0.18 | 5.63E-06 |
| 14:67718728 | 14 | 67481376 | T | C | 0.0324 | 0.81 | 0.18 | 5.65E-06 |
| 14:67718947 | 14 | 67482563 | C | G | 0.0324 | 0.81 | 0.18 | 5.69E-06 |
| 14:67719594 | 14 | 67482847 | A | C | 0.0324 | 0.81 | 0.18 | 5.75E-06 |
| 14:67720478 | 14 | 67482888 | A | G | 0.0325 | 0.80 | 0.18 | 7.51E-06 |
| 14:67720717 | 14 | 67483521 | A | G | 0.0329 | 0.80 | 0.18 | 6.57E-06 |
| 14:67720942 | 14 | 67484346 | C | A | 0.0324 | 0.81 | 0.18 | 6.08E-06 |
| 14:67721221 | 14 | 67485640 | C | T | 0.0325 | 0.80 | 0.18 | 7.81E-06 |
| 14:67721606 | 14 | 67493586 | A | G | 0.0326 | 0.79 | 0.18 | 8.62E-06 |
| 14:67721739 | 14 | 67501555 | G | A | 0.0336 | 0.80 | 0.18 | 7.55E-06 |
| 14:67722432 | 14 | 67502958 | C | G | 0.0325 | 0.79 | 0.18 | 8.27E-06 |
| 14:67722656 | 14 | 67506653 | G | A | 0.0325 | 0.79 | 0.18 | 8.33E-06 |
| 14:67723288 | 14 | 67510348 | G | A | 0.0336 | 0.80 | 0.18 | 7.22E-06 |
| 14:67723777 | 14 | 67511747 | G | A | 0.0329 | 0.79 | 0.18 | 7.41E-06 |
| 14:67724410 | 14 | 67514736 | T | C | 0.0339 | 0.78 | 0.18 | 9.13E-06 |
| 14:67724998 | 14 | 67515283 | T | C | 0.0251 | 0.92 | 0.21 | 8.79E-06 |
| 14:67734876 | 14 | 67516791 | C | A | 0.0322 | 0.80 | 0.18 | 8.63E-06 |
| 14:67763133 | 14 | 67520016 | T | C | 0.0293 | 0.88 | 0.19 | 4.73E-06 |
| 14:67763141 | 14 | 67521918 | T | C | 0.0292 | 0.88 | 0.19 | 5.12E-06 |
| 14:67796184 | 14 | 67525696 | A | C | 0.0319 | 0.81 | 0.18 | 9.10E-06 |
| 14:67820457 | 14 | 67526280 | T | C | 0.0327 | 0.83 | 0.19 | 7.56E-06 |
| 14:67836797 | 14 | 67534401 | G | A | 0.0295 | 0.86 | 0.19 | 7.95E-06 |
| 14:67837891 | 14 | 67537863 | G | A | 0.0356 | 0.79 | 0.17 | 3.89E-06 |
| 14:67862371 | 14 | 67538315 | G | A | 0.0324 | 0.80 | 0.18 | 6.28E-06 |
| 14:103212042 | 14 | 67538948 | T | A | 0.0315 | 1.10 | 0.23 | 9.90E-07 |
| 18:3365084 | 18 | 67542973 | C | T | 0.0127 | 1.31 | 0.29 | 6.39E-06 |
| 19:53415218 | 19 | 67549803 | C | T | 0.4738 | 0.38 | 0.08 | 4.71E-06 |
| 19:53415238 | 19 | 67556042 | T | C | 0.4730 | 0.39 | 0.08 | 1.64E-06 |
| 20:12635935 | 20 | 67556265 | C | A | 0.4436 | 0.29 | 0.07 | 9.86E-06 |
| 22:31313146 | 22 | 67559846 | A | T | 0.0100 | 1.56 | 0.34 | 4.62E-06 |