

| | thresholds | 500 | 1000 | 2000 | 3000 |
|----------|-------------|-------------|-------------|-------------|-------------|
| 5 snps | the 1st Qu. | 5 (90248) | 5 (90746) | 5 (90658) | 5 (90742) |
| | the median. | 5 (60411) | 5 (60506) | 5 (60507) | 5 (60507) |
| | the 3rd Qu. | 4 (30247) | 5 (30252) | 4 (30254) | 5 (30254) |
| 25 snps | the 1st Qu. | 25 (90690) | 25 (90425) | 25 (90721) | 25 (90758) |
| | the median. | 23 (60216) | 20 (60506) | 23 (60507) | 22 (60501) |
| | the 3rd Qu. | 14 (30222) | 15 (30254) | 15 (30254) | 15 (30254) |
| 100 snps | the 1st Qu. | 94 (90273) | 95 (90733) | 94 (90739) | 95 (90729) |
| | the median. | 74 (57564) | 77 (60487) | 79 (60506) | 74 (60427) |
| | the 3rd Qu. | 49 (30225) | 50 (30254) | 51 (30254) | 48 (30254) |
| 300 snps | the 1st Qu. | 273 (87892) | 284 (90661) | 283 (90681) | 277 (90760) |
| | the median | 219 (60479) | 219 (60501) | 219 (60506) | 217 (60494) |
| | the 3rd Qu. | 148 (30253) | 145 (30250) | 141 (30254) | 144 (30254) |

| | threshold | 500 | 1000 | 2000 | 3000 |
|----------|-------------|-------------|-------------|-------------|-------------|
| 5 snps | the 1st Qu. | 5 (90501) | 5 (90755) | 5 (90760) | 5 (90759) |
| | the median | 5 (60343) | 5 (60506) | 5 (60495) | 5 (60505) |
| | the 3rd Qu. | 3 (30239) | 3 (30245) | 3 (30254) | 3 (30254) |
| 25 snps | the 1st Qu. | 25 (89728) | 25 (90755) | 25 (90743) | 25 (90759) |
| | the median | 22 (60046) | 22 (60410) | 22 (60501) | 22 (60485) |
| | the 3rd Qu. | 12 (30253) | 13 (30254) | 13 (30254) | 12 (30254) |
| 100 snps | the 1st Qu. | 96 (90063) | 96 (90757) | 97 (90671) | 97 (90752) |
| | the median. | 86 (60489) | 88 (60458) | 94 (60507) | 90 (60505) |
| | the 3rd Qu. | 56 (30254) | 55 (30240) | 57 (30263) | 57 (30254) |
| 300 snps | the 1st Qu. | 284 (90632) | 291 (90760) | 289 (90742) | 289 (90760) |
| | the median | 233 (60497) | 254 (60497) | 268 (60506) | 264 (60507) |
| | the 3rd Qu. | 165 (30250) | 168 (30252) | 164 (30252) | 166 (60254) |

| | threshold | 500 | 1000 | 2000 | 3000 |
|---|-------------|------------|------------|------------|------------|
| 50 snps (LD-prune) | the 1st Qu. | 49 (90488) | 50 (90595) | 50 (90757) | 50 (90737) |
| | the median | 43 (60450) | 45 (60438) | 45 (60479) | 41 (60491) |
| | the 3rd Qu. | 32 (30254) | 33 (30251) | 33 (30253) | 33 (30254) |
| 50 snps (gene <i>pbpX</i>) | the 1st Qu. | 49 (90589) | 49 (90753) | 49 (90759) | 49 (90756) |
| | the median | 43 (60054) | 45 (60501) | 46 (60507) | 45 (60465) |
| | the 3rd Qu. | 34 (30251) | 32 (30243) | 33 (30254) | 32 (30253) |
| 50 snps (50% gene <i>pbpX</i> , 50% gene <i>penA</i>) | the 1st Qu. | 47 (90733) | 48 (90753) | 48 (90754) | 48 (90750) |
| | the median. | 40 (60495) | 44 (60123) | 43 (60506) | 42 (60490) |
| | the 3rd Qu. | 25 (30158) | 27 (30253) | 27 (30254) | 26 (30254) |
| 50 snps (16 from gene <i>pbpX</i> , 17 from gene <i>penA</i> , 17 from gene <i>penX</i>) | the 1st Qu. | 49 (90720) | 49 (90759) | 49 (90752) | 49 (90757) |
| | the median | 46 (59328) | 47 (60459) | 46 (60471) | 46 (60499) |
| | the 3rd Qu. | 34 (30232) | 34 (30254) | 35 (30254) | 35 (30254) |

| | threshold | $h^2 = 0.1$ | $h^2 = 0.3$ | $h^2 = 0.6$ | $h^2 = 0.9$ |
|---|-------------|-------------|-------------|-------------|-------------|
| 50 snps (gene <i>pbpX</i>) | the 1st Qu. | 44 (90760) | 44 (90760) | 45 (90760) | 44 (90760) |
| | the median | 44 (60507) | 44 (60507) | 44 (60507) | 44 (60507) |
| | the 3rd Qu. | 42 (29977) | 41 (30234) | 42 (30180) | 43 (30254) |
| 50 snps (50% gene <i>pbpX</i> , 50% gene <i>penA</i>) | the 1st Qu. | 44 (90760) | 45 (90760) | 45 (90760) | 45 (90760) |
| | the median. | 43 (60507) | 43 (60507) | 43 (60494) | 43 (60507) |
| | the 3rd Qu. | 42 (30254) | 41 (30254) | 41 (30254) | 41 (30254) |
| 50 snps (16 from gene <i>pbpX</i> , 17 from gene <i>penA</i> , 17 from gene <i>penX</i>) | the 1st Qu. | 49 (90760) | 48 (90760) | 48 (90760) | 48 (60760) |
| | the median | 48 (60507) | 47 (60507) | 47 (60507) | 47 (60506) |
| | the 3rd Qu. | 41 (30254) | 42 (30253) | 42 (30254) | 43 (30254) |