

| Simulation Parameters | | Average Run Time (seconds) | | | | | | |
|-----------------------|------------------|----------------------------|----------|---------|-------|-------|-------|-------|
| SNP-Sets | SNPs per SNP-set | BANN | RSS | PEGASUS | GBJ | SKAT | MAGMA | GSEA |
| 250 | 10 | 12.58 | 13.12 | 2.41 | 2.68 | 2.13 | 0.03 | 2.48 |
| | 20 | 44.32 | 58.21 | 2.13 | 5.18 | 3.82 | 0.08 | 4.68 |
| | 40 | 189.44 | 224.62 | 2.22 | 9.64 | 6.47 | 0.18 | 8.51 |
| 500 | 10 | 48.92 | 59.31 | 5.11 | 5.37 | 5.23 | 0.09 | 5.31 |
| | 20 | 223.14 | 244.07 | 5.02 | 11.26 | 9.22 | 0.21 | 11.12 |
| | 40 | 965.48 | 1026.12 | 5.72 | 27.91 | 14.84 | 0.24 | 20.36 |
| 1000 | 10 | 194.62 | 249.57 | 8.67 | 12.27 | 11.31 | 0.72 | 11.41 |
| | 20 | 1213.19 | 2176.33 | 8.93 | 27.62 | 18.16 | 1.48 | 24.93 |
| | 40 | 6823.31 | 14495.72 | 10.21 | 61.37 | 30.83 | 4.26 | 60.82 |