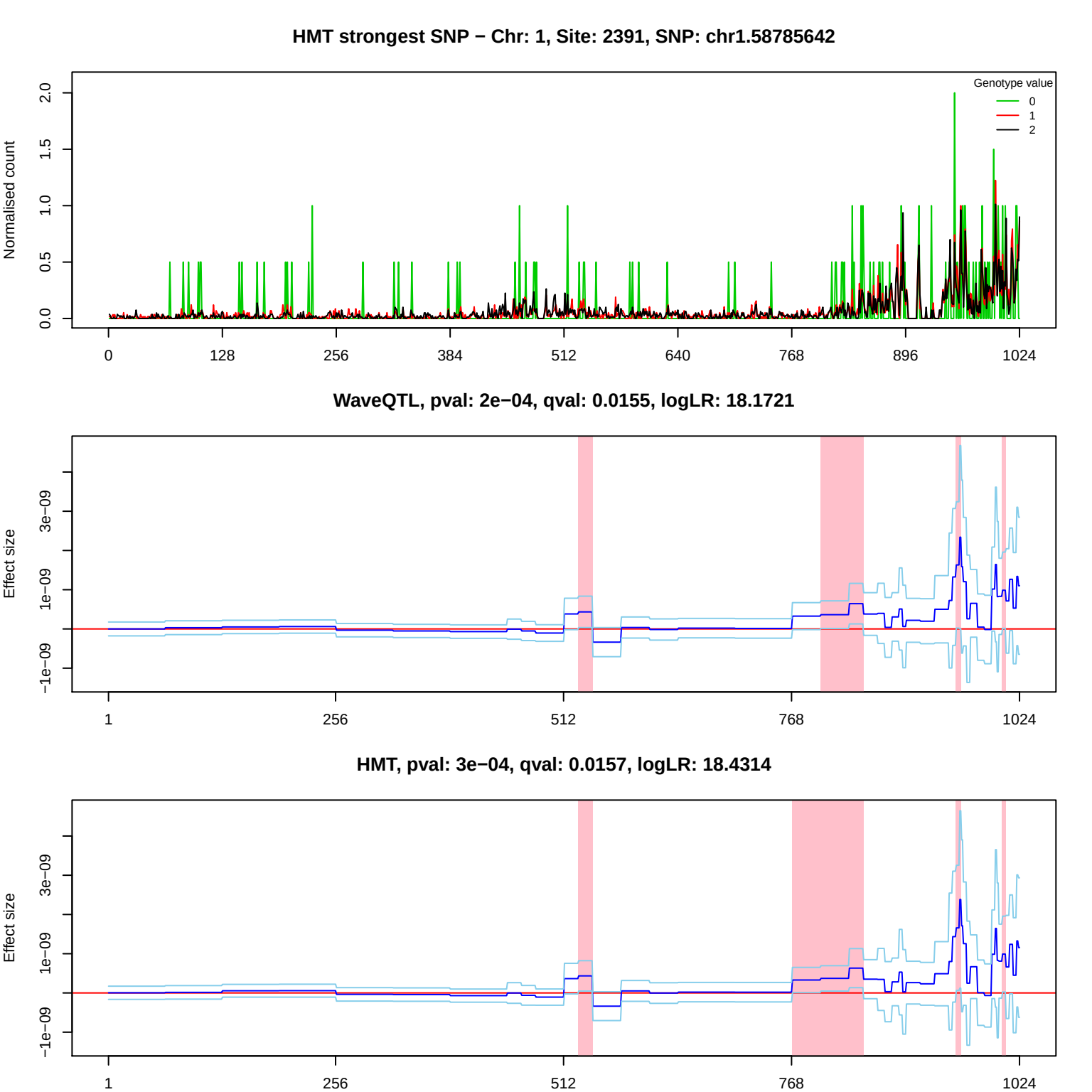
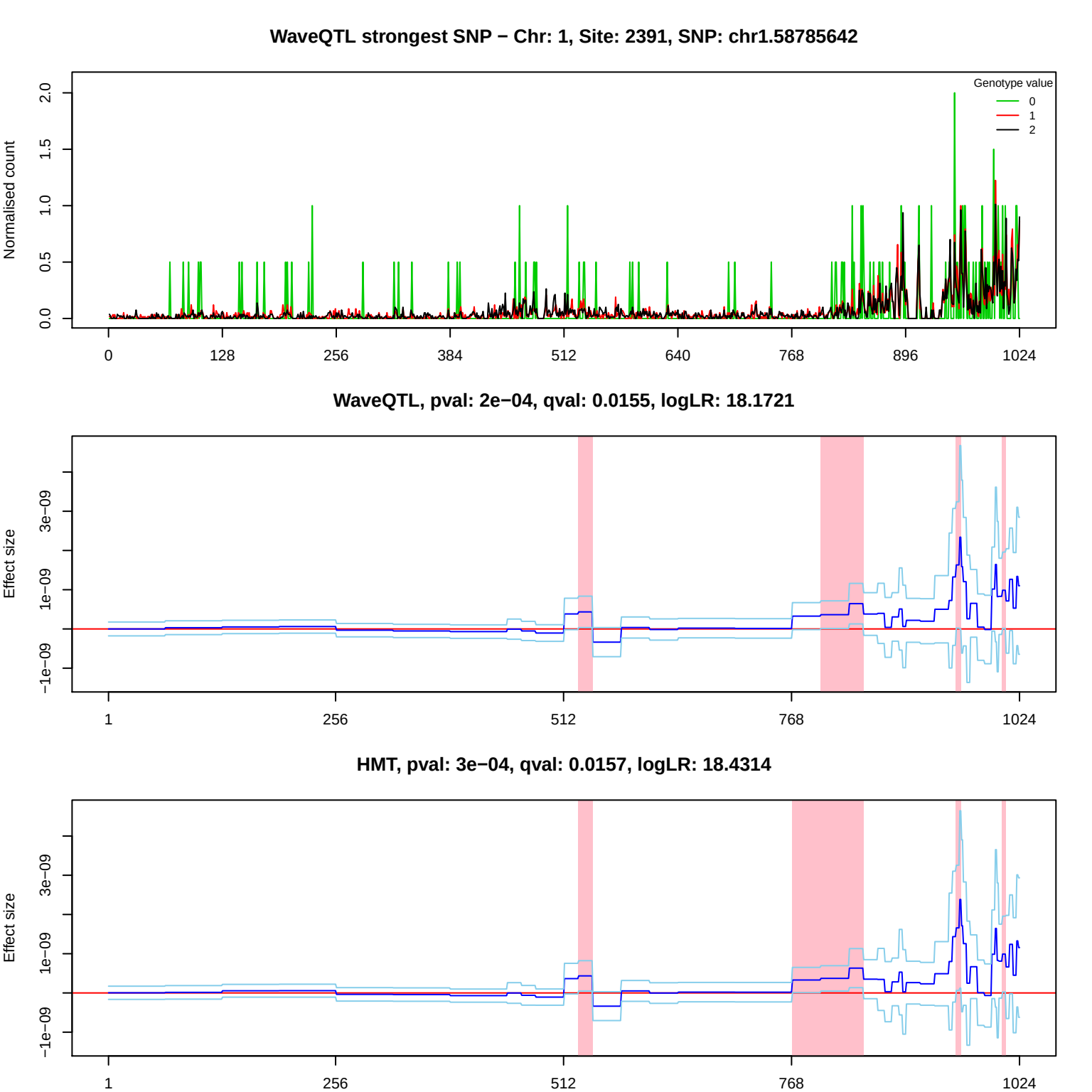
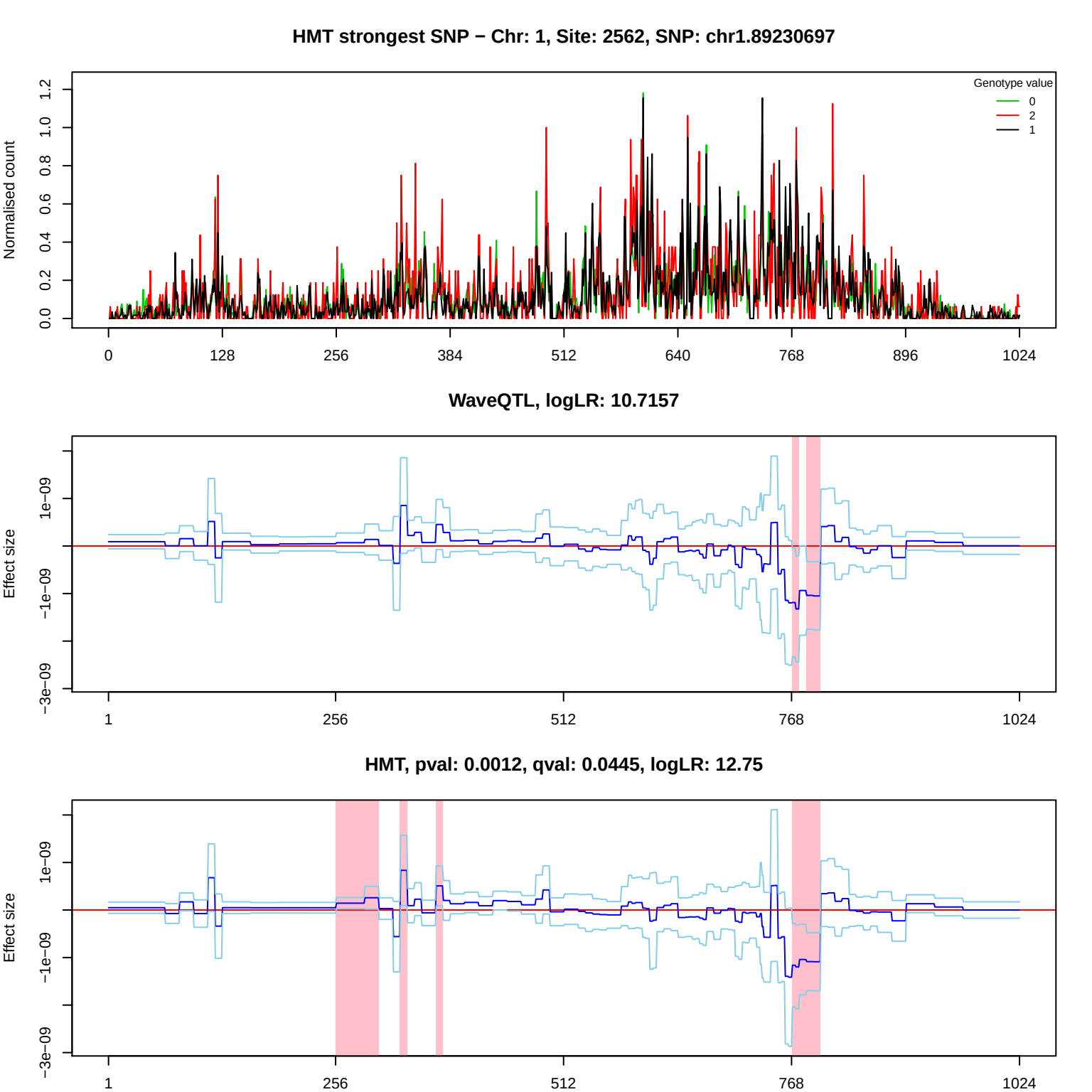
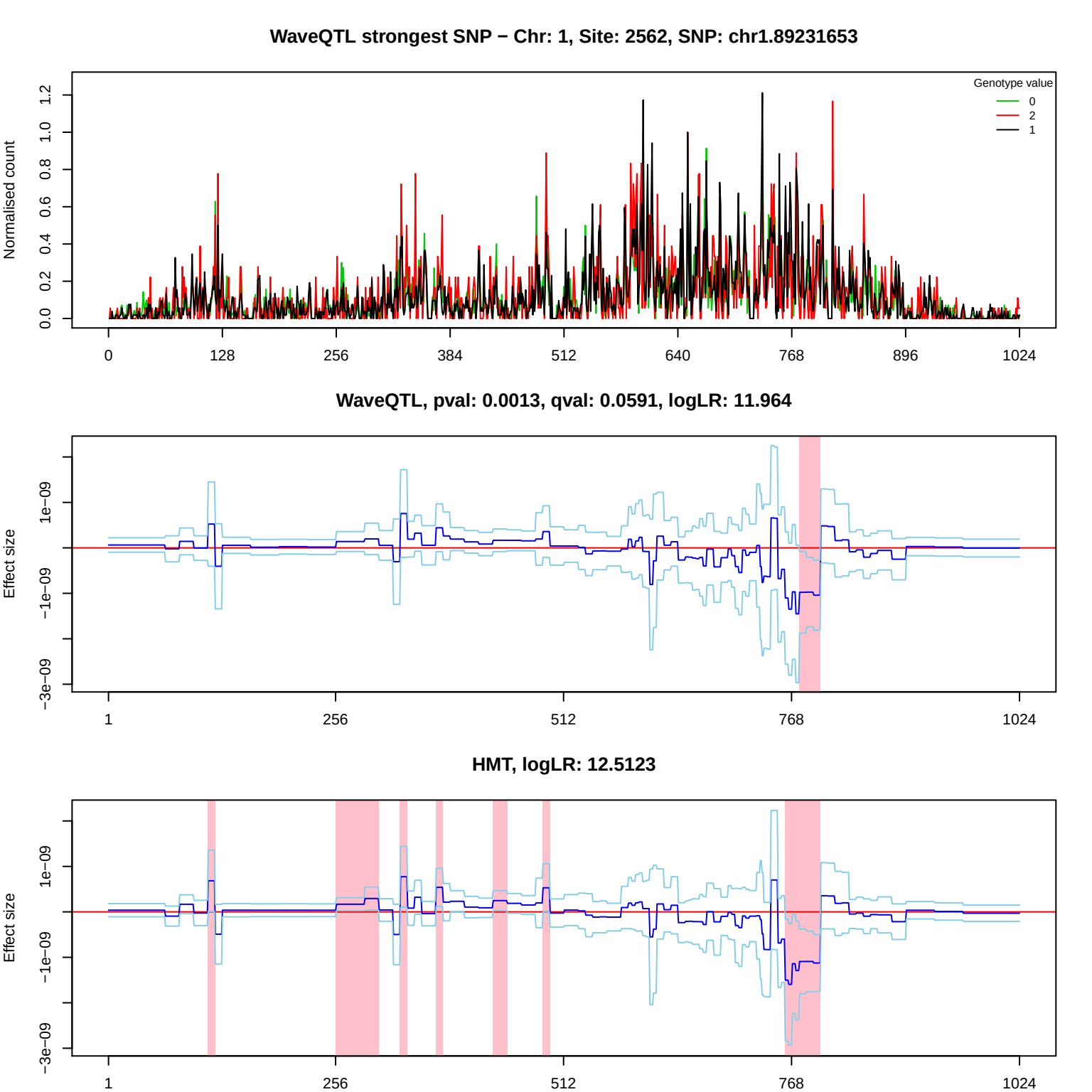
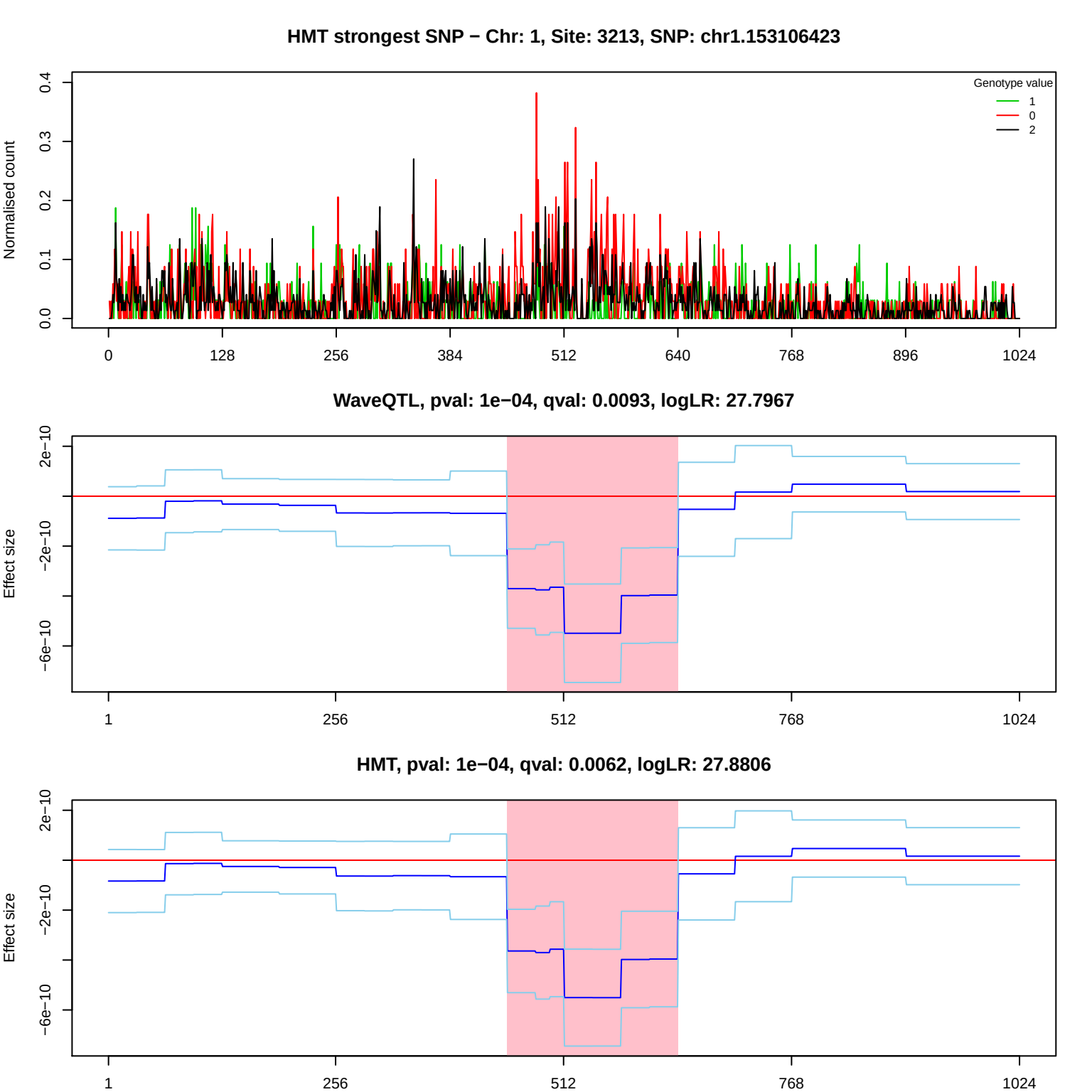
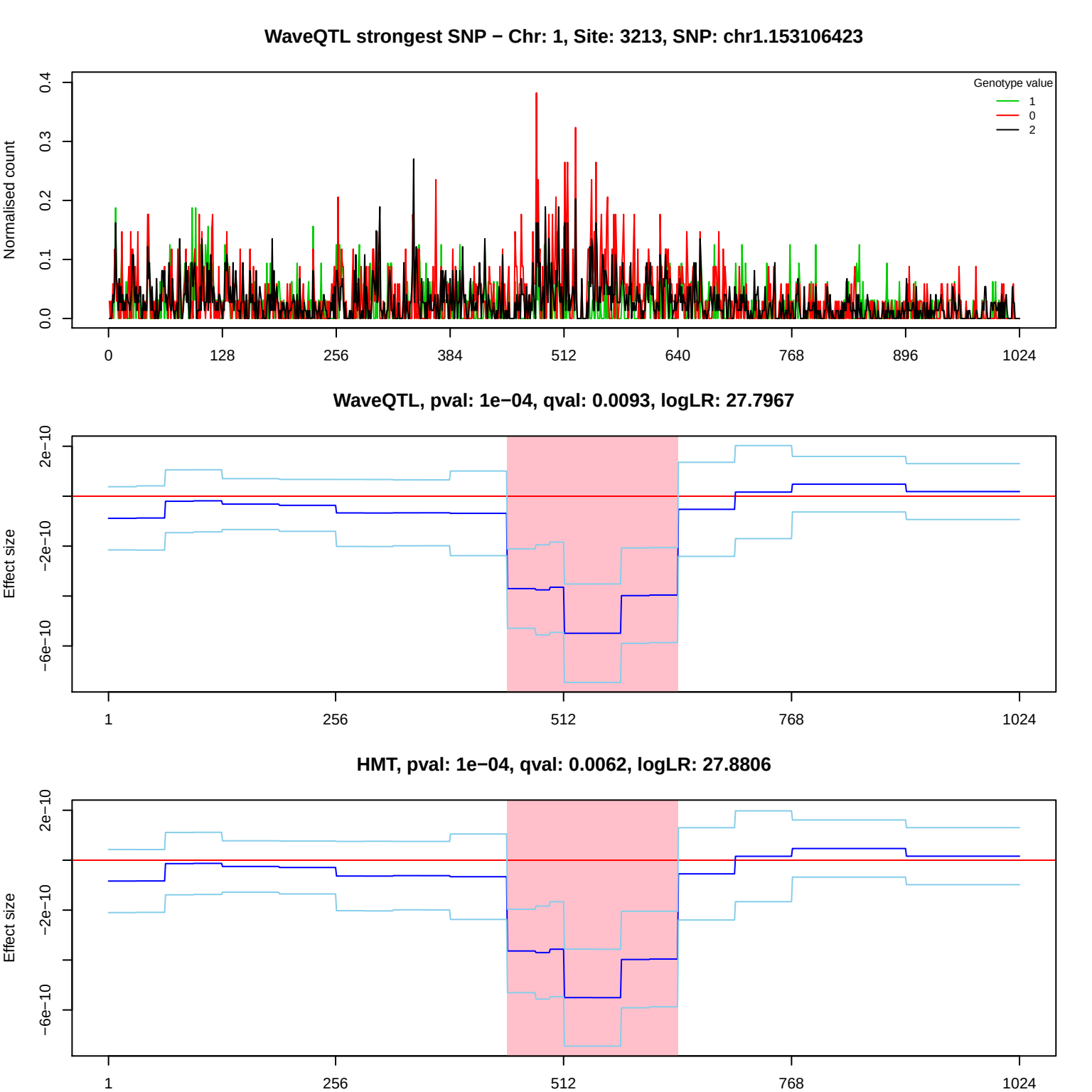

HMT strongest SNP − Chr: 1, Site: 2391, SNP: chr1.58785642
Genotype value
0
1
2
Normalised count
0.0
0.5
1.0
1.5
2.0
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 2e−04, qval: 0.0155, logLR: 18.1721
Effect size
−1e−09
1e−09
3e−09
1
256
512
768
1024
HMT, pval: 3e−04, qval: 0.0157, logLR: 18.4314
Effect size
−1e−09
1e−09
3e−09
1
256
512
768
1024

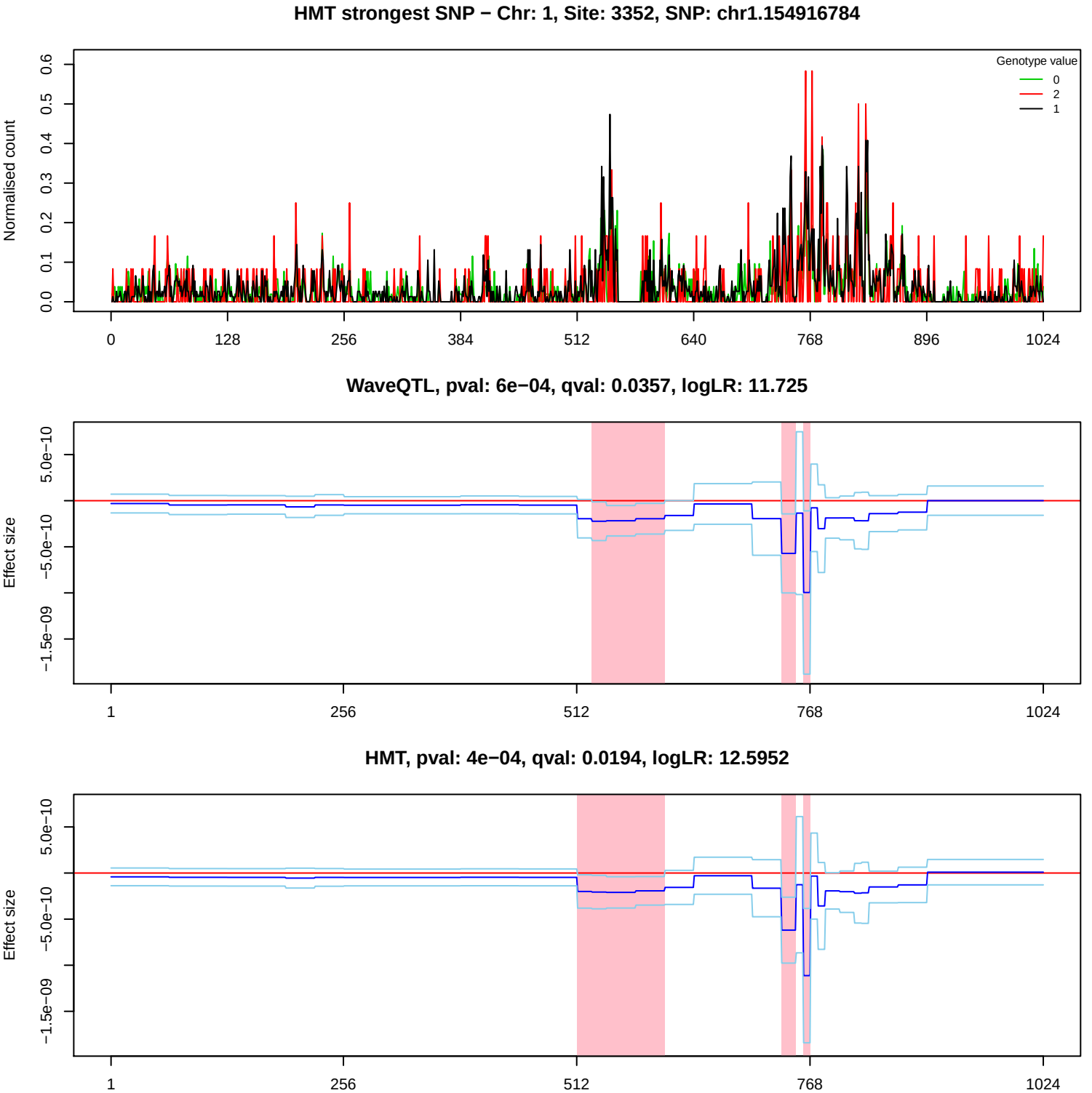

WaveQTL strongest SNP − Chr: 1, Site: 2391, SNP: chr1.58785642
Normalised count
Genotype value
0
1
2
0.0
0.5
1.0
1.5
2.0
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 2e−04, qval: 0.0155, logLR: 18.1721
Effect size
−1e−09
1e−09
3e−09
1
256
512
768
1024
HMT, pval: 3e−04, qval: 0.0157, logLR: 18.4314
Effect size
−1e−09
1e−09
3e−09
1
256
512
768
1024

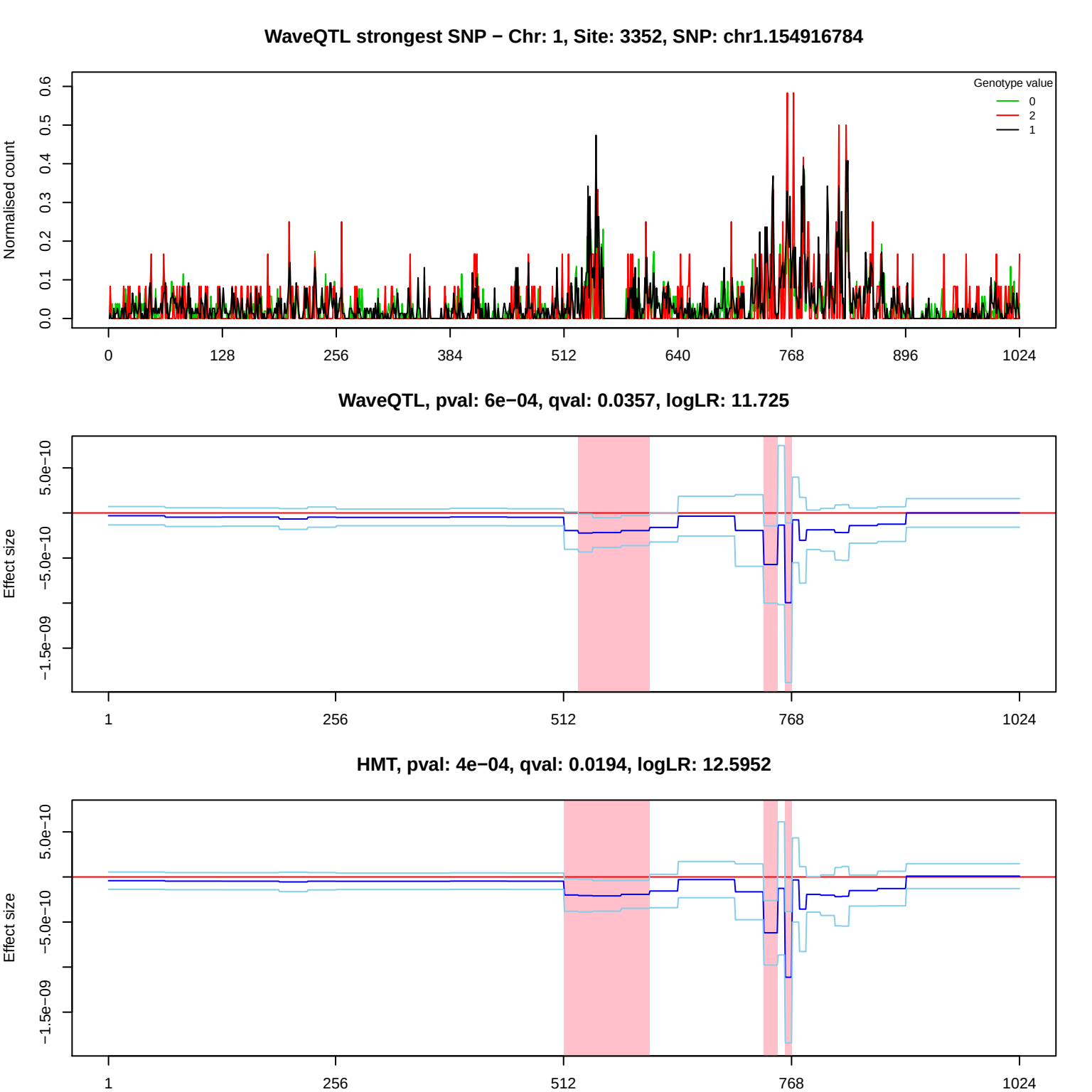

HMT strongest SNP − Chr: 1, Site: 2562, SNP: chr1.89230697
Normalised count
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, logLR: 10.7157
Effect size
−3e−09
−1e−09
1e−09
1
256
512
768
1024
HMT, pval: 0.0012, qval: 0.0445, logLR: 12.75
Effect size
−3e−09
−1e−09
1e−09
1
256
512
768
1024

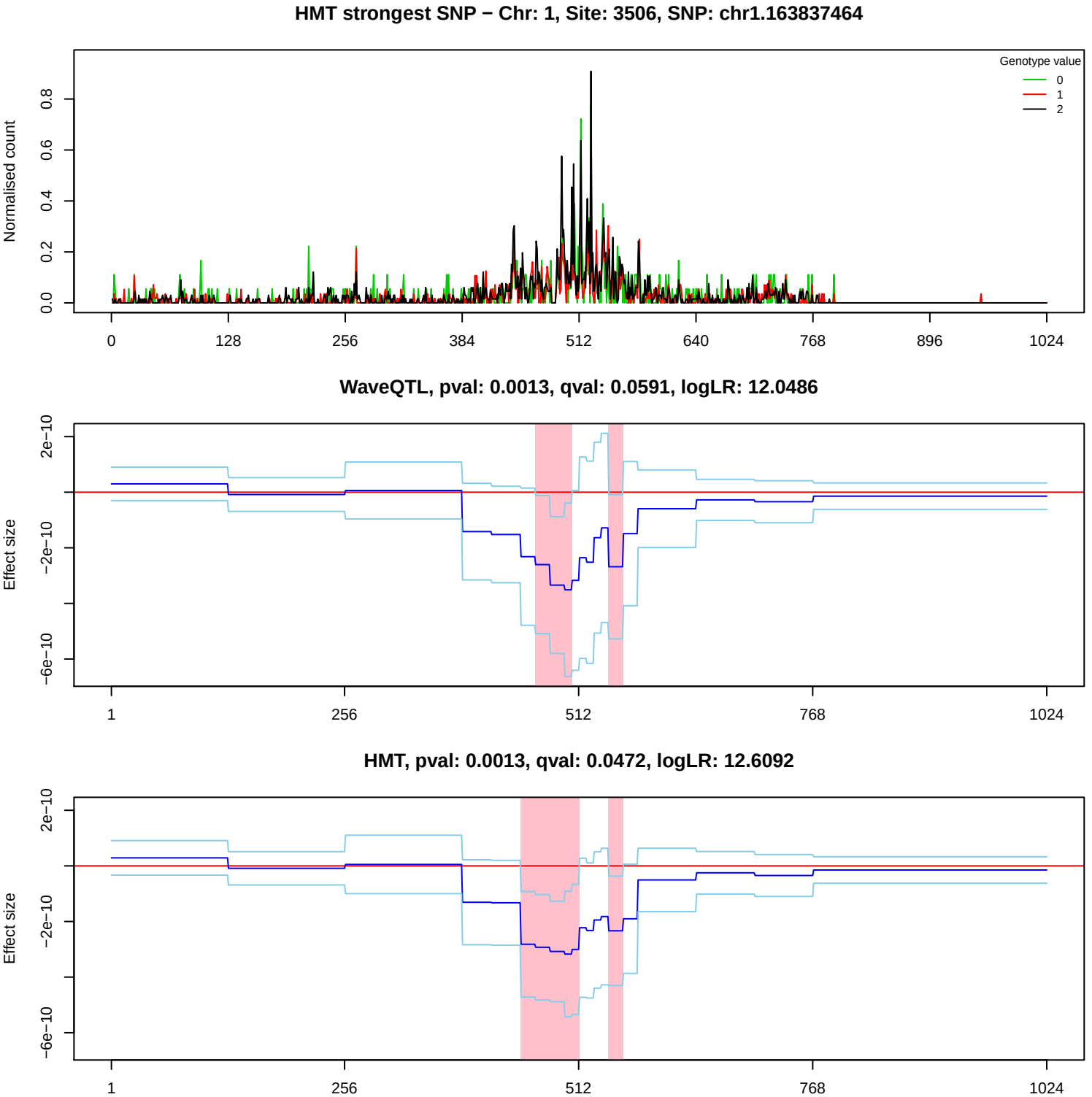

WaveQTL strongest SNP − Chr: 1, Site: 2562, SNP: chr1.89231653
Normalised count
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 0.0013, qval: 0.0591, logLR: 11.964
Effect size
−3e−09
−1e−09
1e−09
1
256
512
768
1024
HMT, logLR: 12.5123
Effect size
−3e−09
−1e−09
1e−09
1
256
512
768
1024

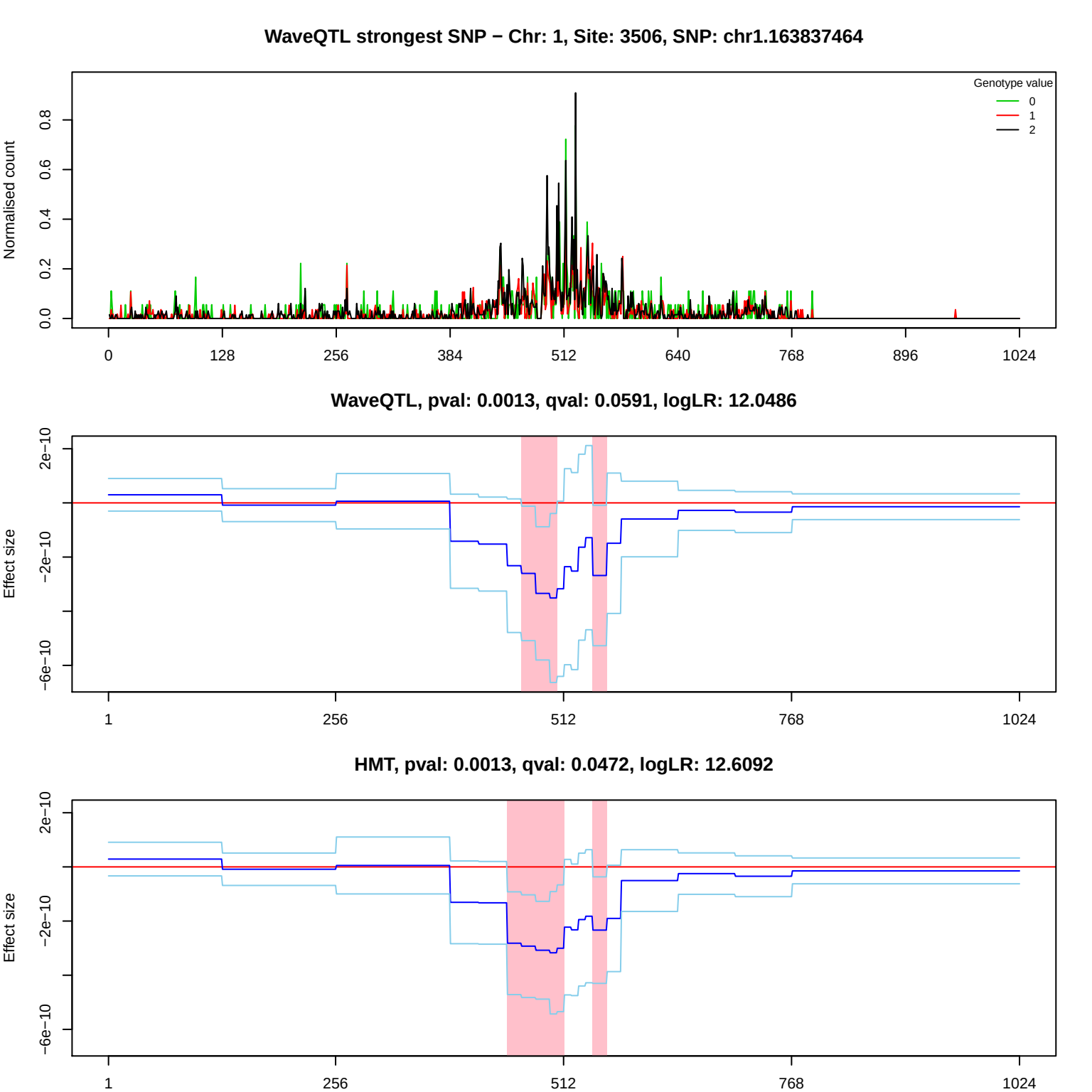

HMT strongest SNP − Chr: 1, Site: 3213, SNP: chr1.153106423
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 27.7967
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 27.8806
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024

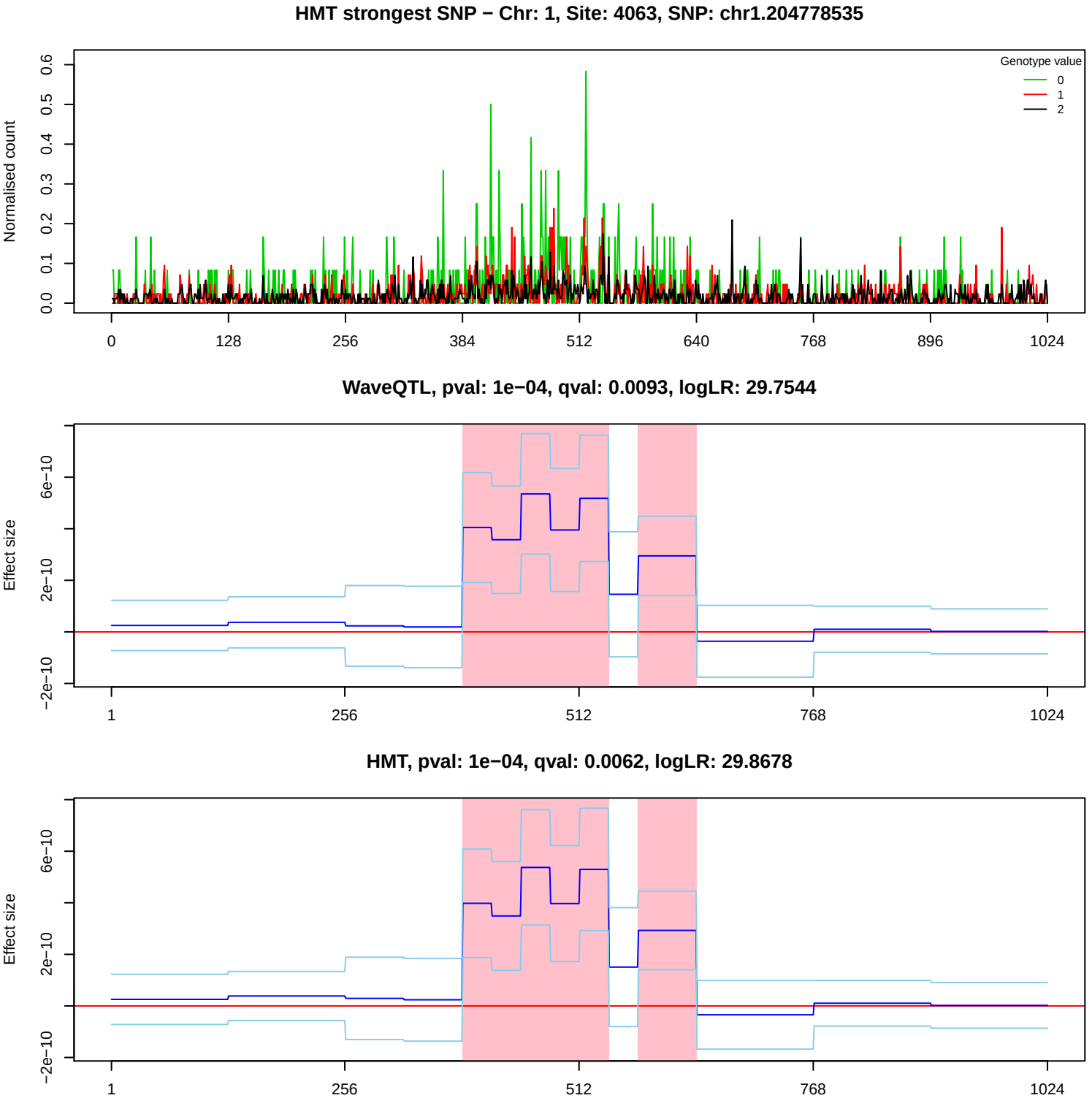

WaveQTL strongest SNP − Chr: 1, Site: 3213, SNP: chr1.153106423
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 27.7967
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 27.8806
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024

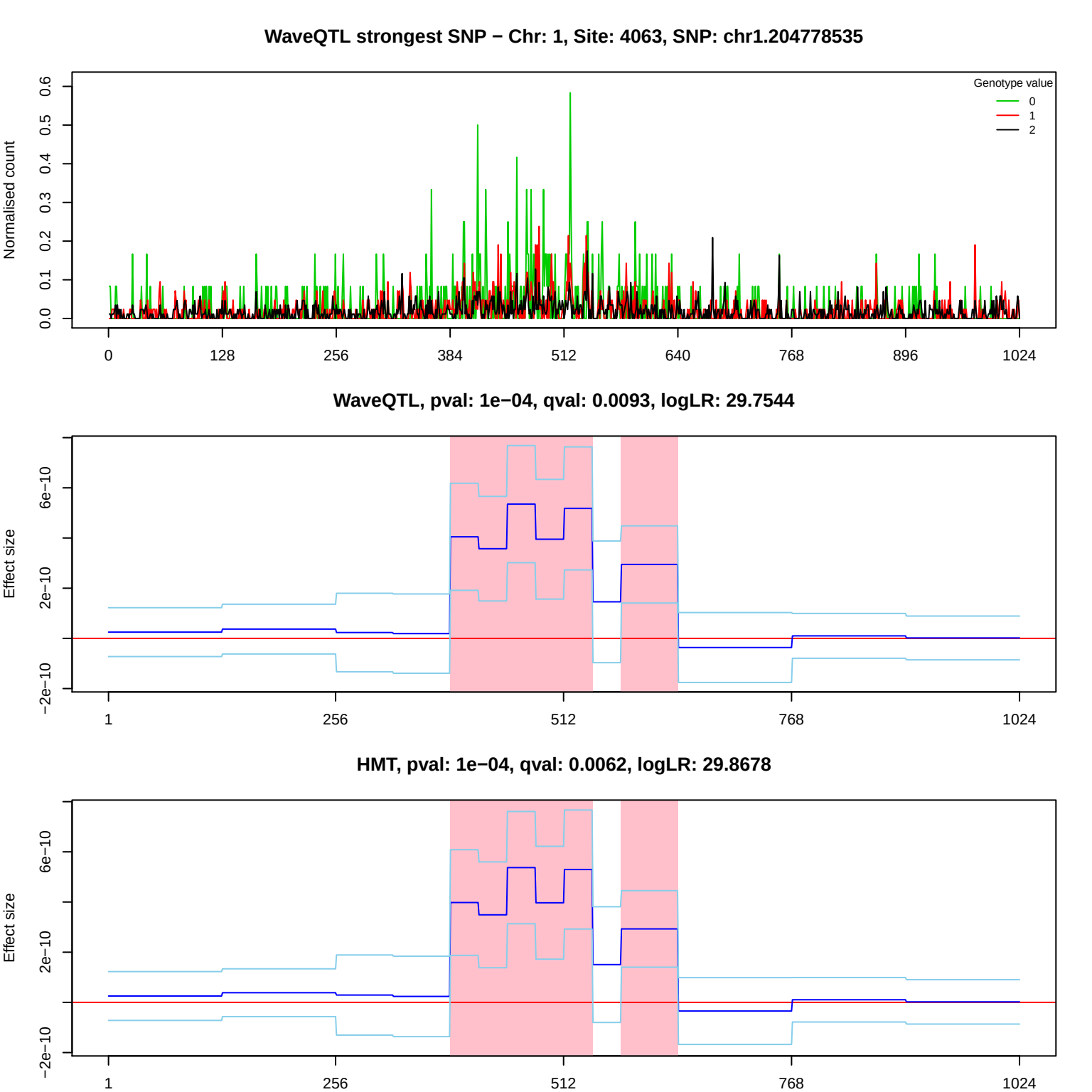

HMT strongest SNP − Chr: 1, Site: 3352, SNP: chr1.154916784
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 6e−04, qval: 0.0357, logLR: 11.725
Effect size
5.0e−10
−5.0e−10
−1.5e−09
1
256
512
768
1024
HMT, pval: 4e−04, qval: 0.0194, logLR: 12.5952
Effect size
5.0e−10
−5.0e−10
−1.5e−09
1
256
512
768
1024

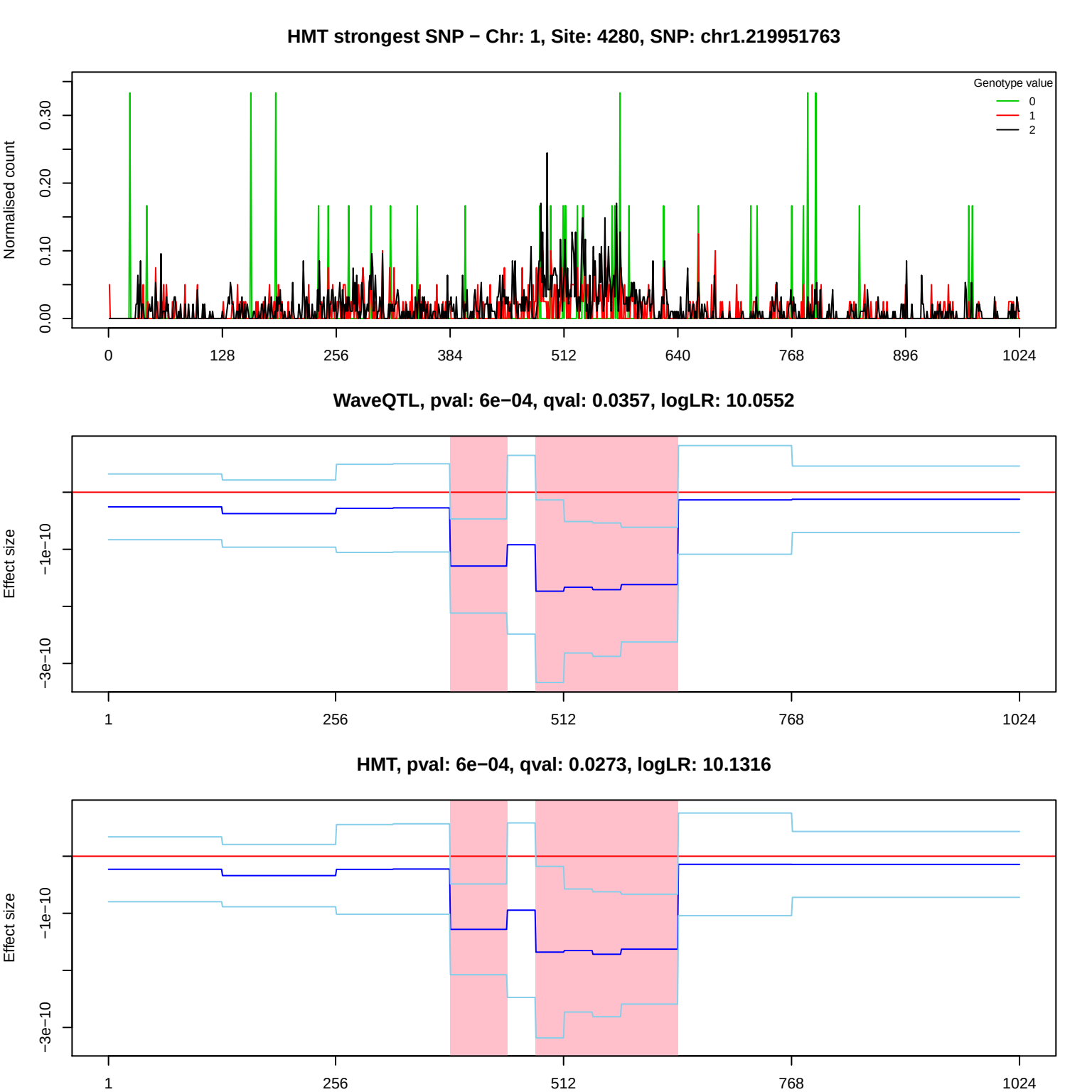

WaveQTL strongest SNP − Chr: 1, Site: 3352, SNP: chr1.154916784
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 6e−04, qval: 0.0357, logLR: 11.725
Effect size
5.0e−10
−5.0e−10
−1.5e−09
1
256
512
768
1024
HMT, pval: 4e−04, qval: 0.0194, logLR: 12.5952
Effect size
5.0e−10
−5.0e−10
−1.5e−09
1
256
512
768
1024

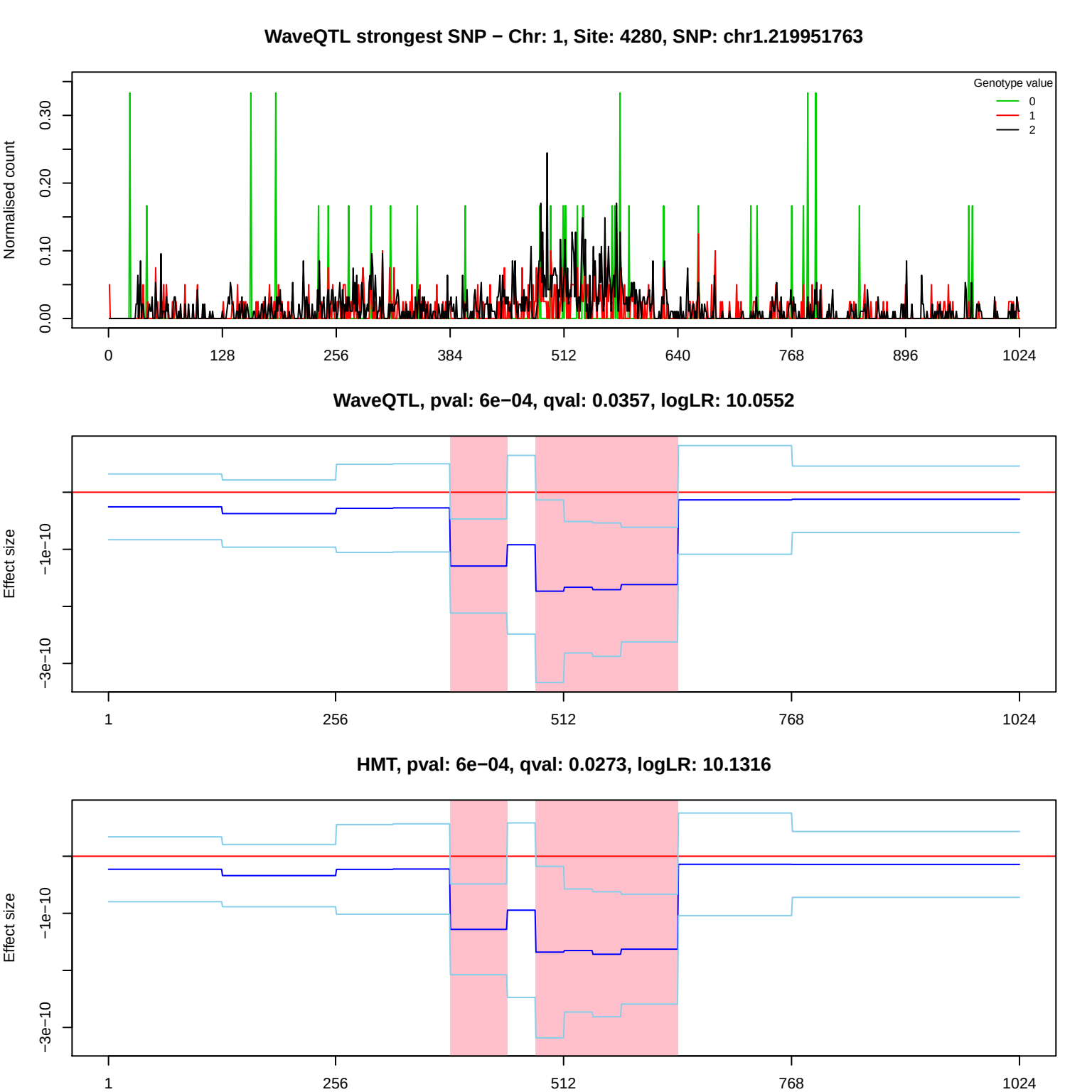

HMT strongest SNP − Chr: 1, Site: 3506, SNP: chr1.163837464
Genotype value
0
1
2
Normalised count
0.0
0.2
0.4
0.6
0.8
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 0.0013, qval: 0.0591, logLR: 12.0486
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024
HMT, pval: 0.0013, qval: 0.0472, logLR: 12.6092
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024

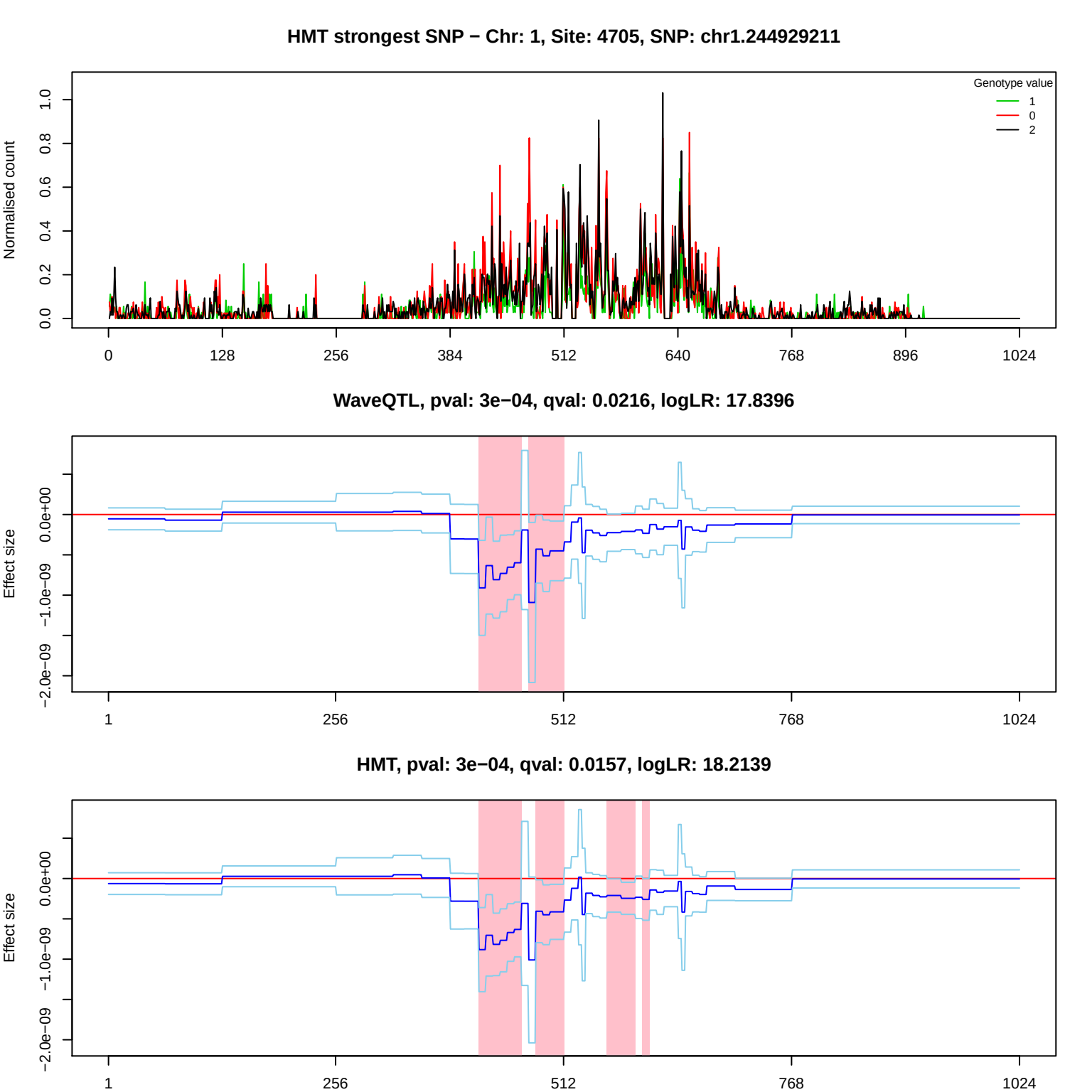

WaveQTL strongest SNP − Chr: 1, Site: 3506, SNP: chr1.163837464
Genotype value
0
1
2
Normalised count
0.0
0.2
0.4
0.6
0.8
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 0.0013, qval: 0.0591, logLR: 12.0486
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024
HMT, pval: 0.0013, qval: 0.0472, logLR: 12.6092
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024

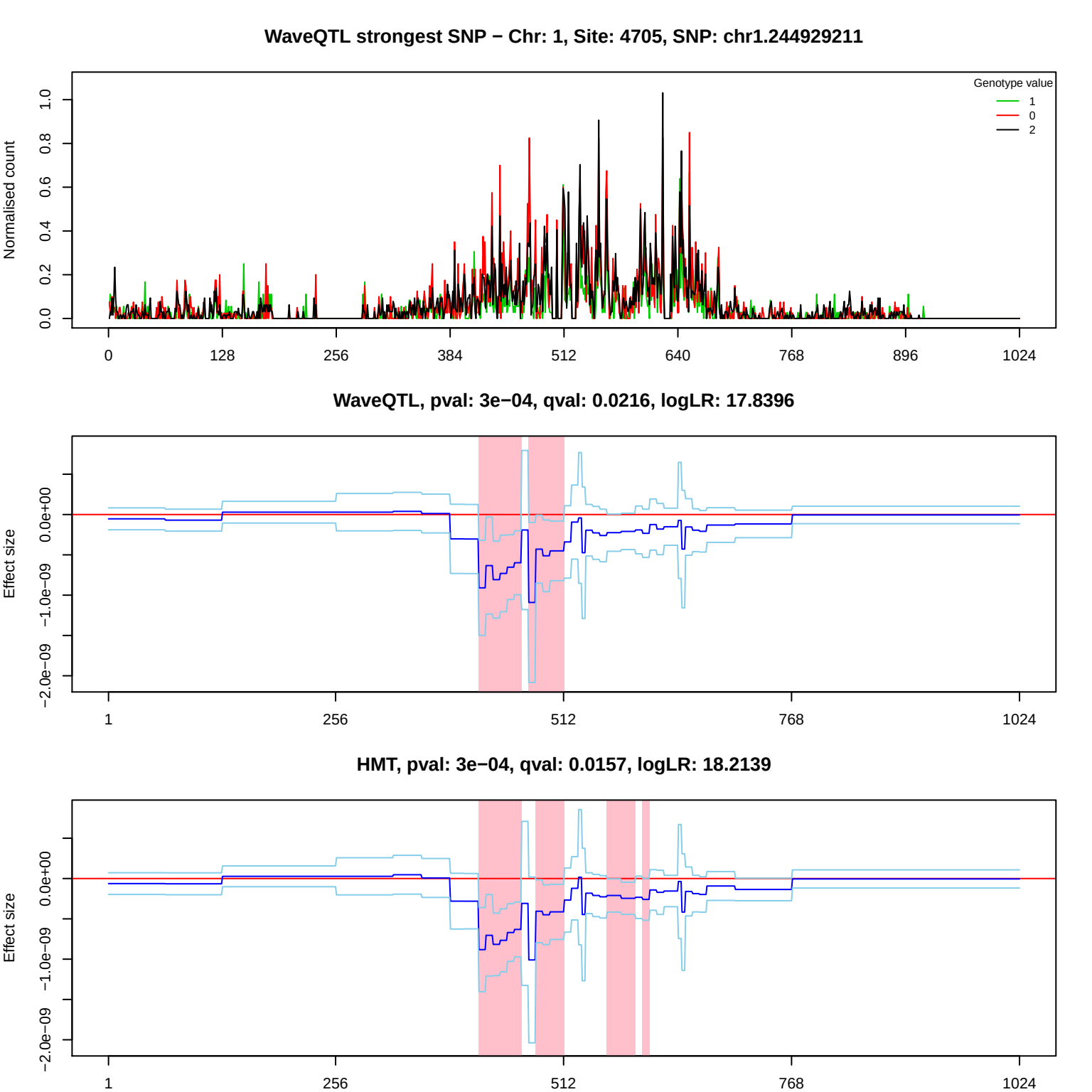

HMT strongest SNP − Chr: 1, Site: 4063, SNP: chr1.204778535
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 29.7544
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 29.8678
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024

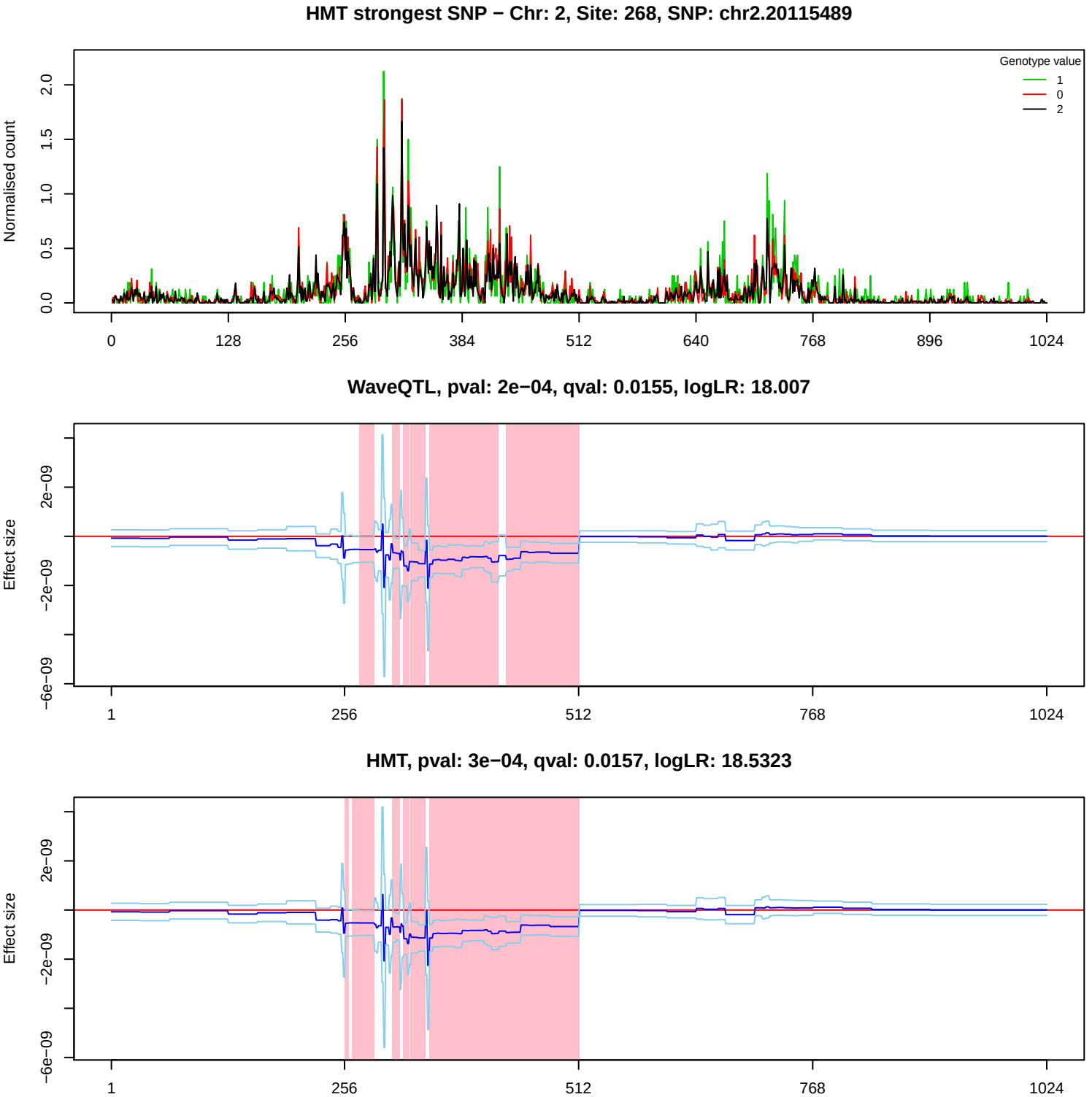

WaveQTL strongest SNP − Chr: 1, Site: 4063, SNP: chr1.204778535
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 29.7544
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 29.8678
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024

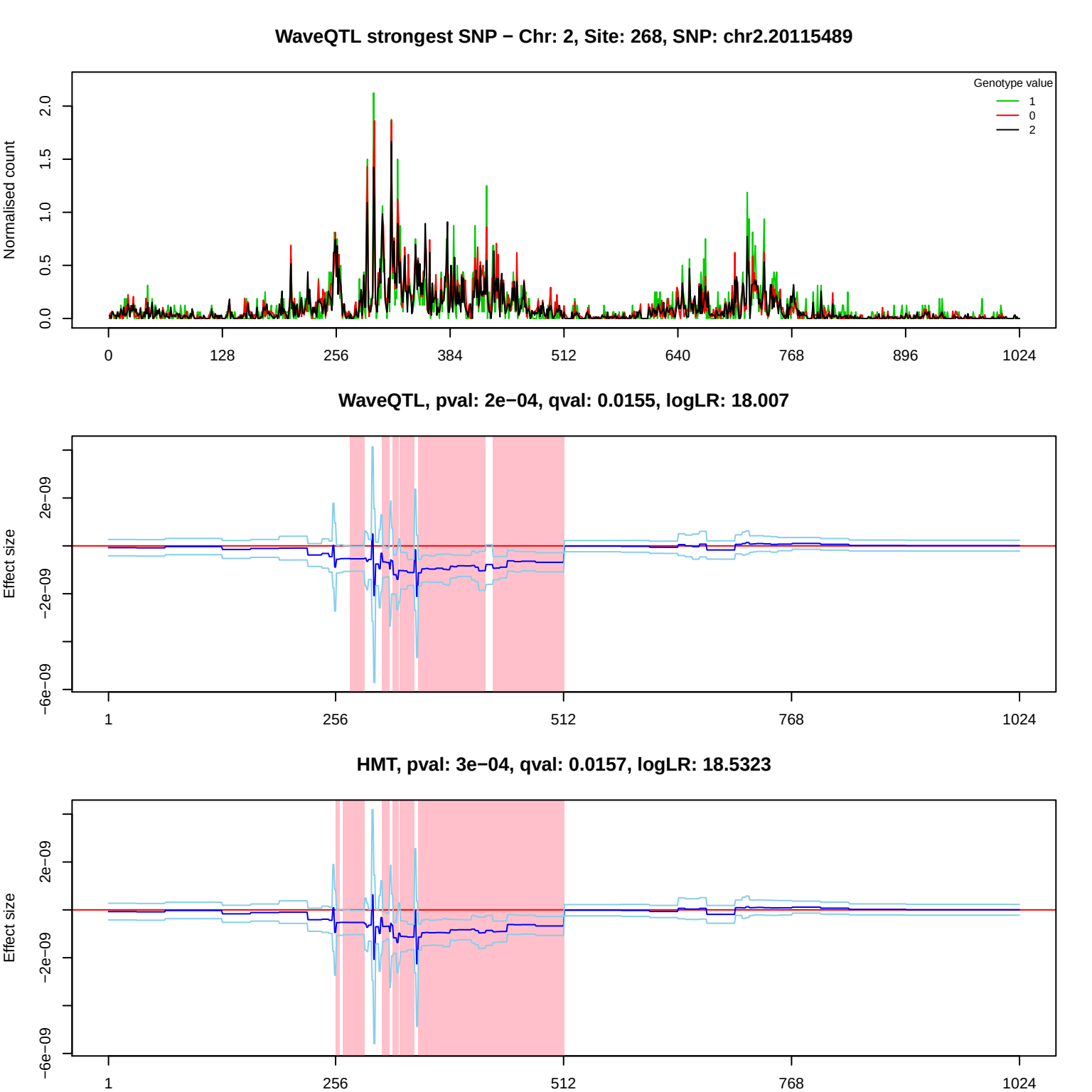

HMT strongest SNP − Chr: 1, Site: 4280, SNP: chr1.219951763
Genotype value
0
1
2
Normalised count
0.00
0.10
0.20
0.30
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 6e−04, qval: 0.0357, logLR: 10.0552
Effect size
−1e−10
−3e−10
1
256
512
768
1024
HMT, pval: 6e−04, qval: 0.0273, logLR: 10.1316
Effect size
−1e−10
−3e−10
1
256
512
768
1024

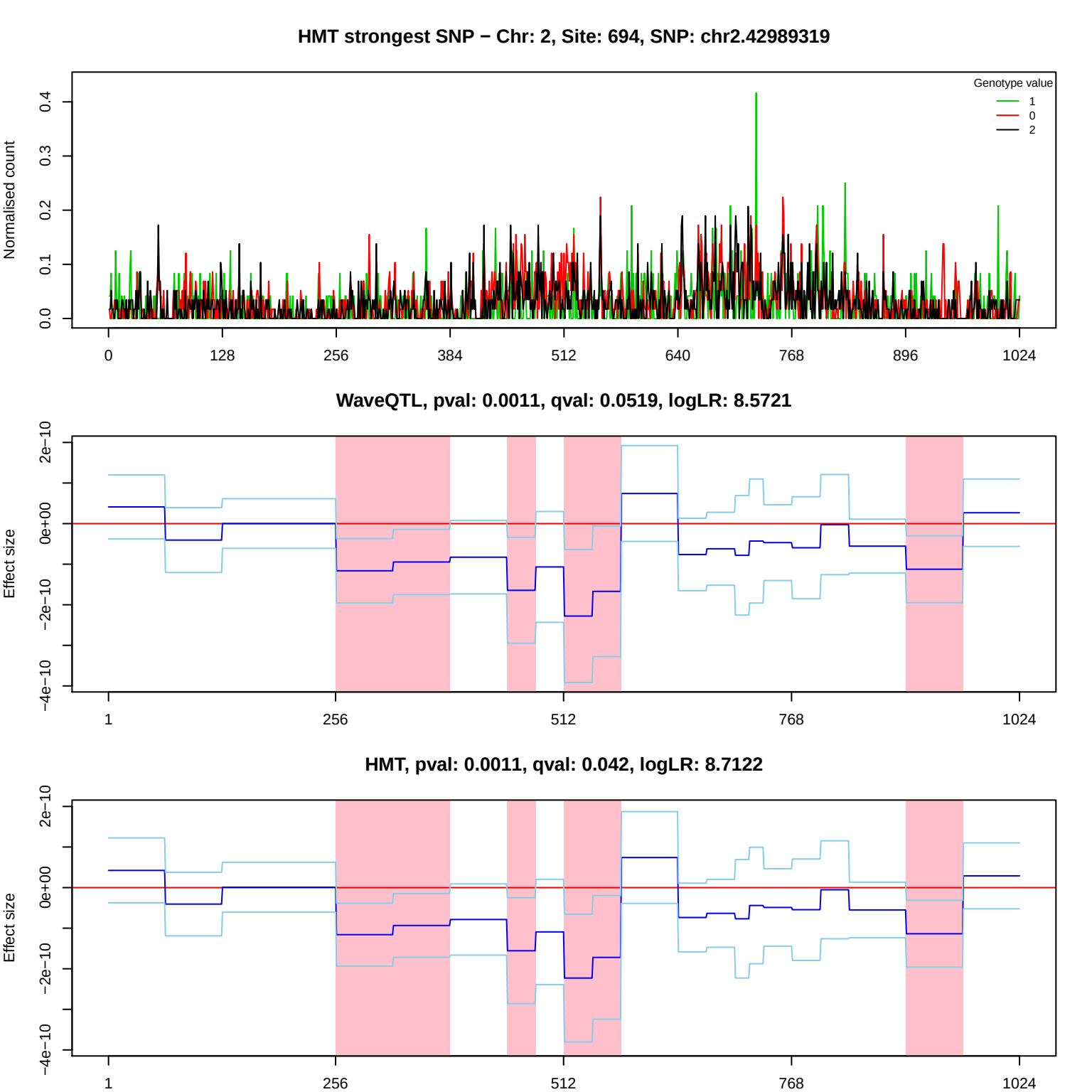

WaveQTL strongest SNP − Chr: 1, Site: 4280, SNP: chr1.219951763
Normalised count
0.00
0.10
0.20
0.30
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 6e−04, qval: 0.0357, logLR: 10.0552
Effect size
−1e−10
−3e−10
1
256
512
768
1024
HMT, pval: 6e−04, qval: 0.0273, logLR: 10.1316
Effect size
−1e−10
−3e−10
1
256
512
768
1024

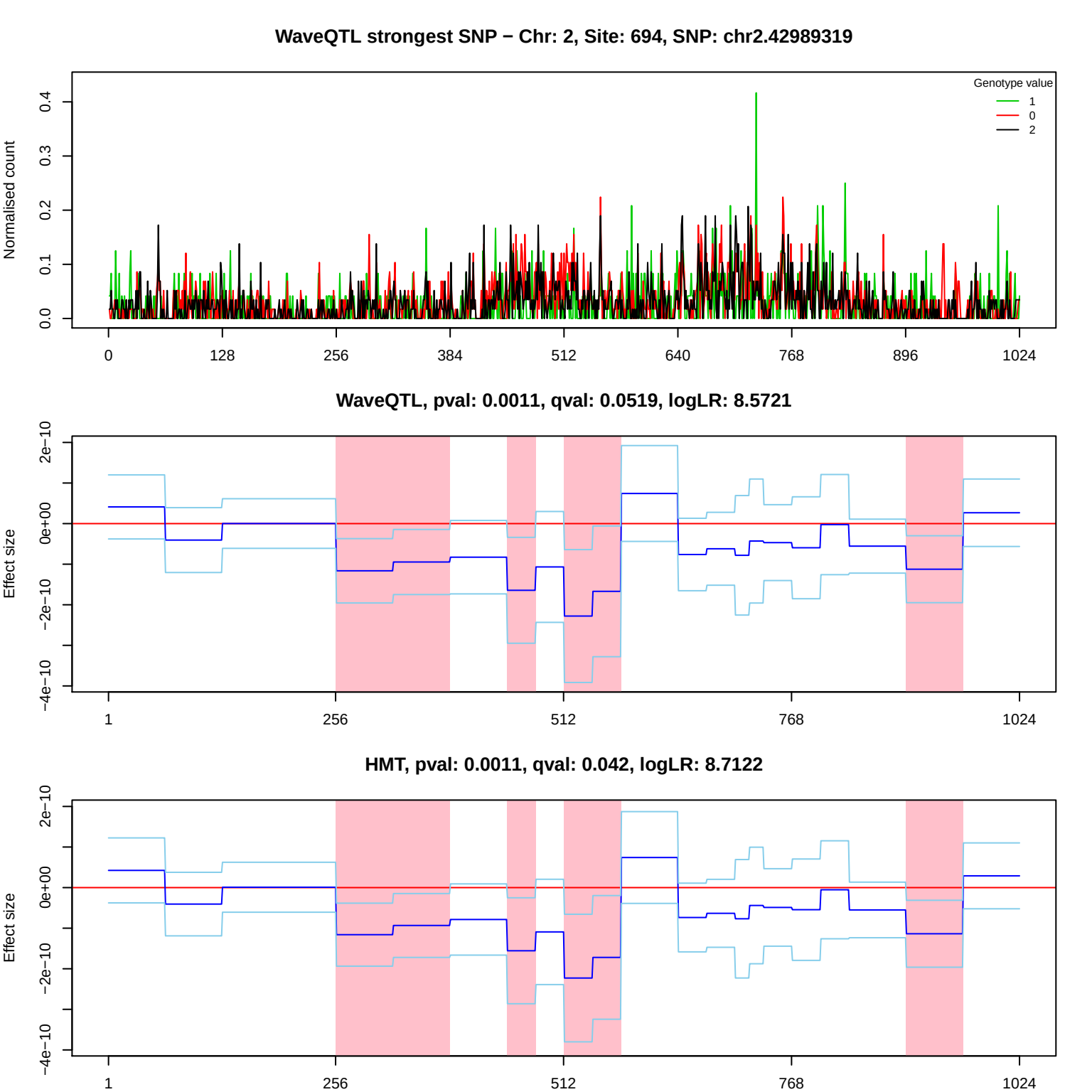

HMT strongest SNP − Chr: 1, Site: 4705, SNP: chr1.244929211
Normalised count
0.0
0.2
0.4
0.6
0.8
1.0
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 3e−04, qval: 0.0216, logLR: 17.8396
Effect size
−2.0e−09
−1.0e−09
0.0e+00
1
256
512
768
1024
HMT, pval: 3e−04, qval: 0.0157, logLR: 18.2139
Effect size
−2.0e−09
−1.0e−09
0.0e+00
1
256
512
768
1024

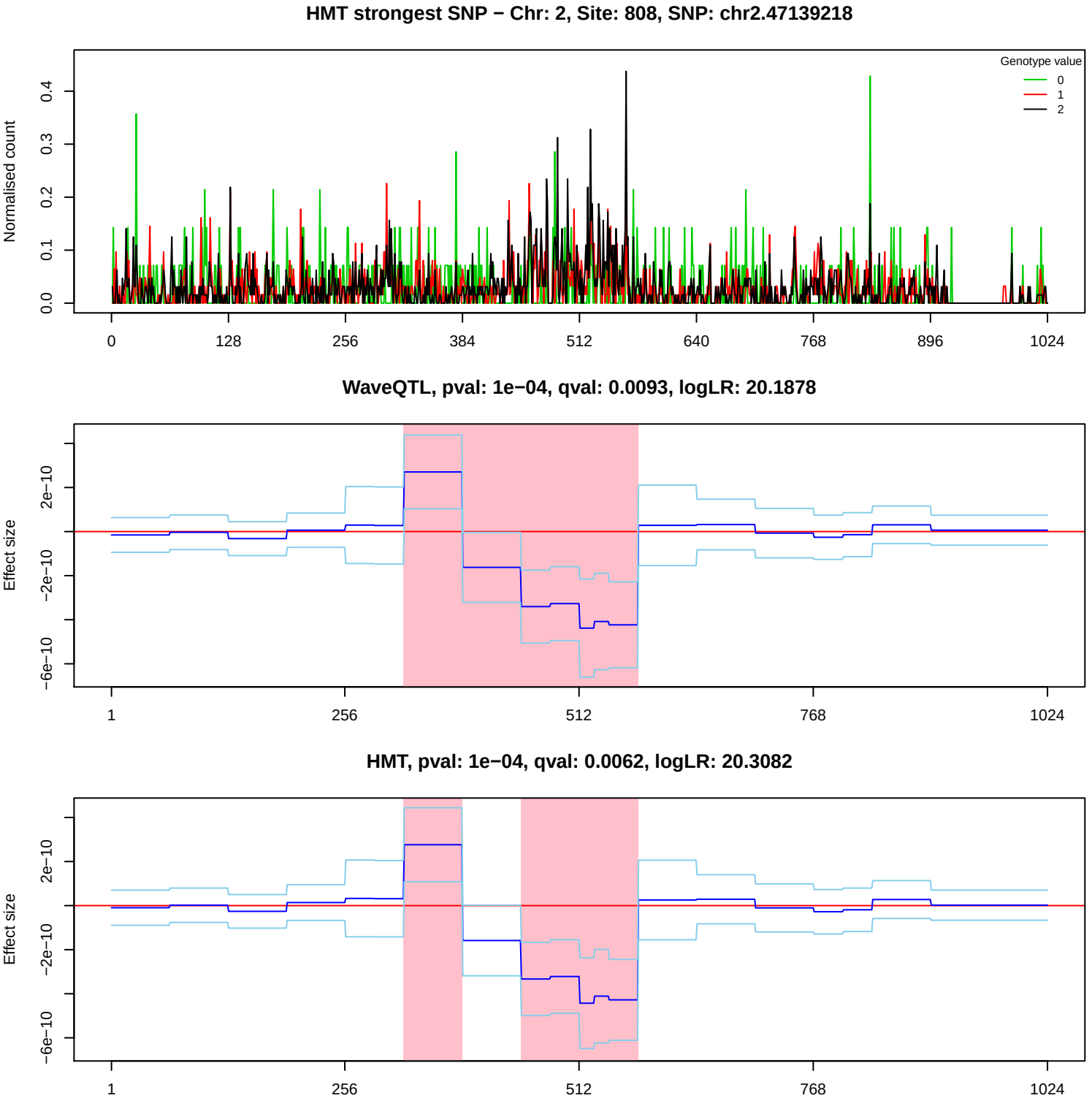

WaveQTL strongest SNP − Chr: 1, Site: 4705, SNP: chr1.244929211
Genotype value
1
0
2
Normalised count
0.0
0.2
0.4
0.6
0.8
1.0
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 3e−04, qval: 0.0216, logLR: 17.8396
Effect size
−2.0e−09
−1.0e−09
0.0e+00
1
256
512
768
1024
HMT, pval: 3e−04, qval: 0.0157, logLR: 18.2139
Effect size
−2.0e−09
−1.0e−09
0.0e+00
1
256
512
768
1024

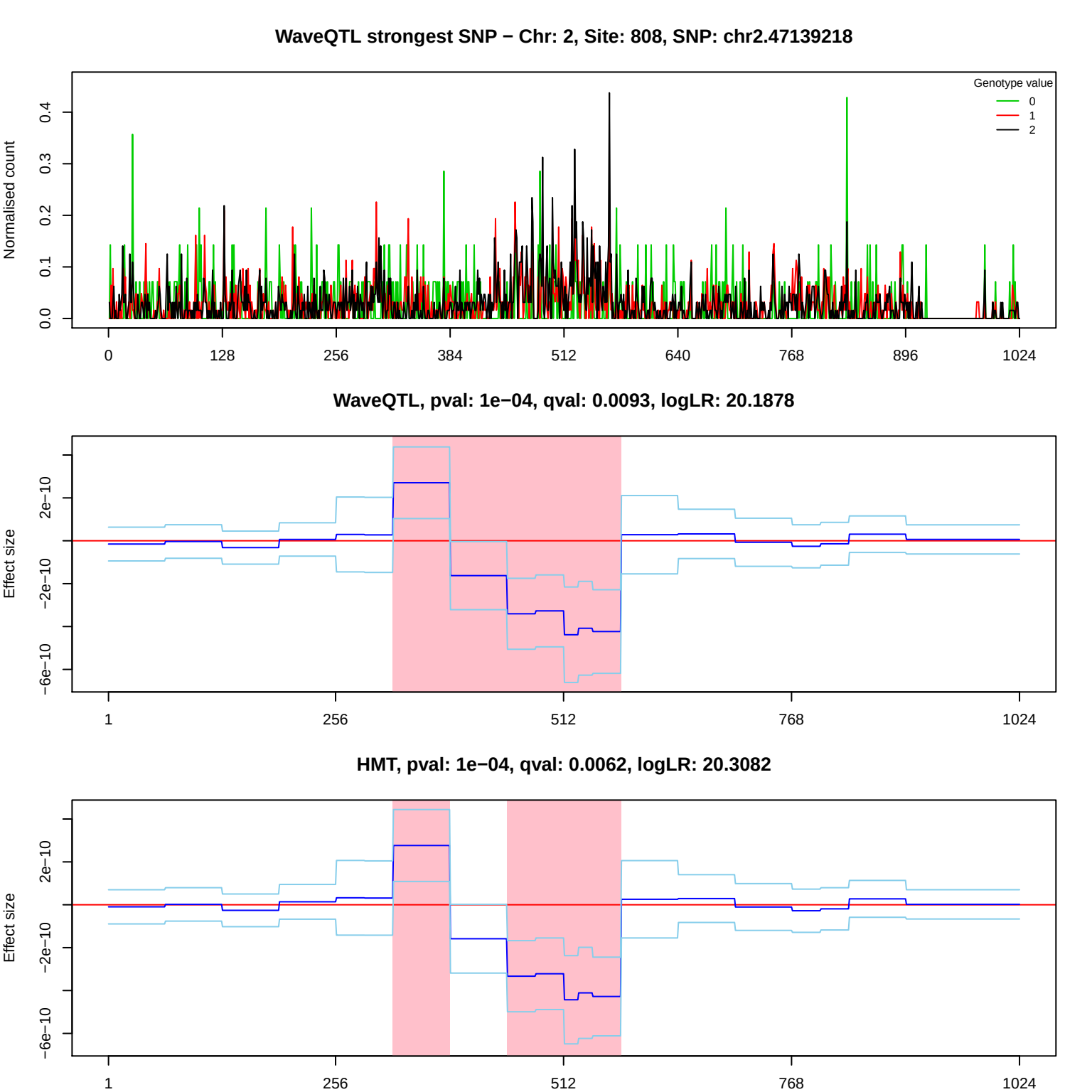

HMT strongest SNP − Chr: 2, Site: 268, SNP: chr2.20115489
Normalised count
0.0
0.5
1.0
1.5
2.0
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 2e−04, qval: 0.0155, logLR: 18.007
Effect size
−6e−09
−2e−09
2e−09
1
256
512
768
1024
HMT, pval: 3e−04, qval: 0.0157, logLR: 18.5323
Effect size
−6e−09
−2e−09
2e−09
1
256
512
768
1024

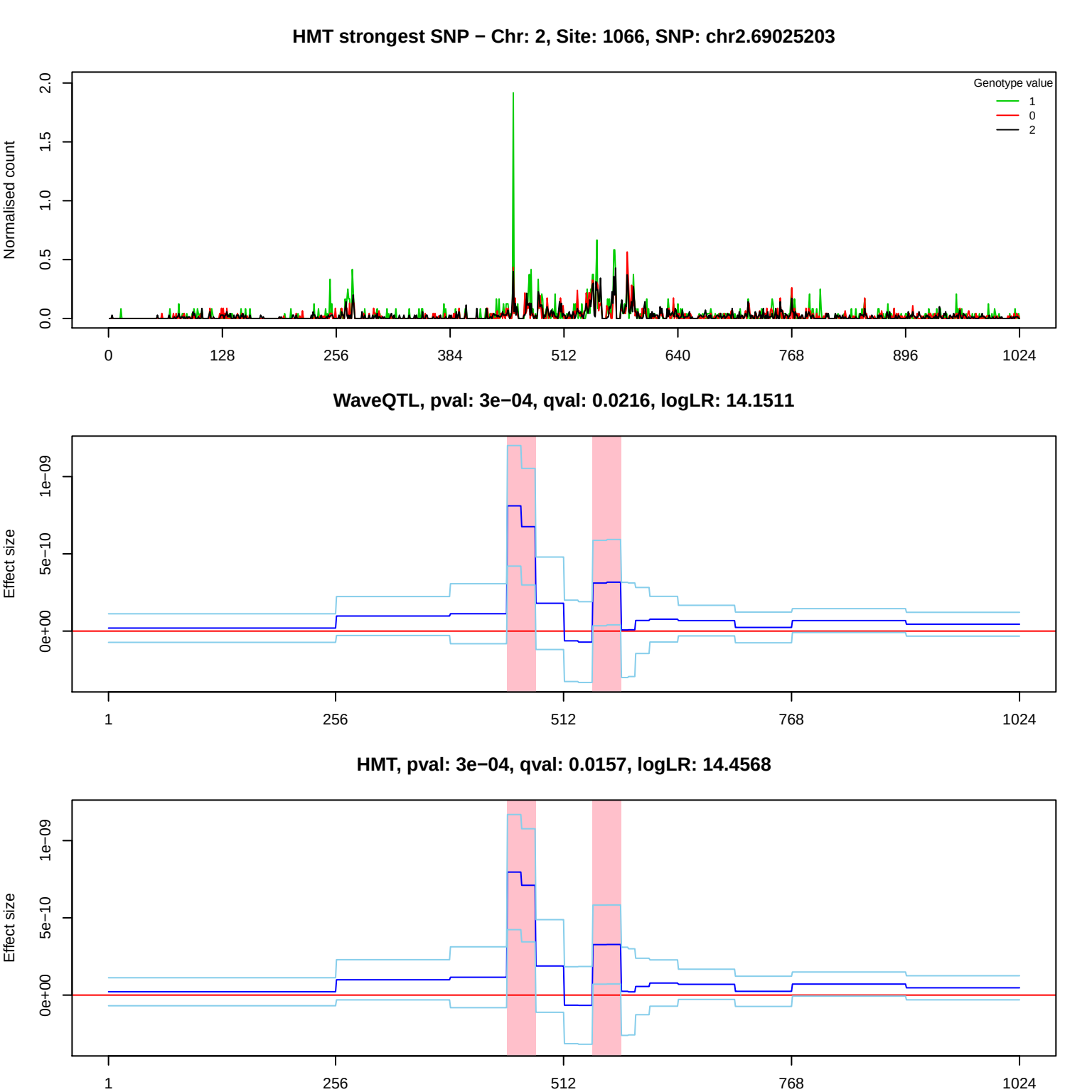

WaveQTL strongest SNP − Chr: 2, Site: 268, SNP: chr2.20115489
Normalised count
0.0
0.5
1.0
1.5
2.0
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 2e−04, qval: 0.0155, logLR: 18.007
Effect size
2e−09
−2e−09
−6e−09
1
256
512
768
1024
HMT, pval: 3e−04, qval: 0.0157, logLR: 18.5323
Effect size
2e−09
−2e−09
−6e−09
1
256
512
768
1024

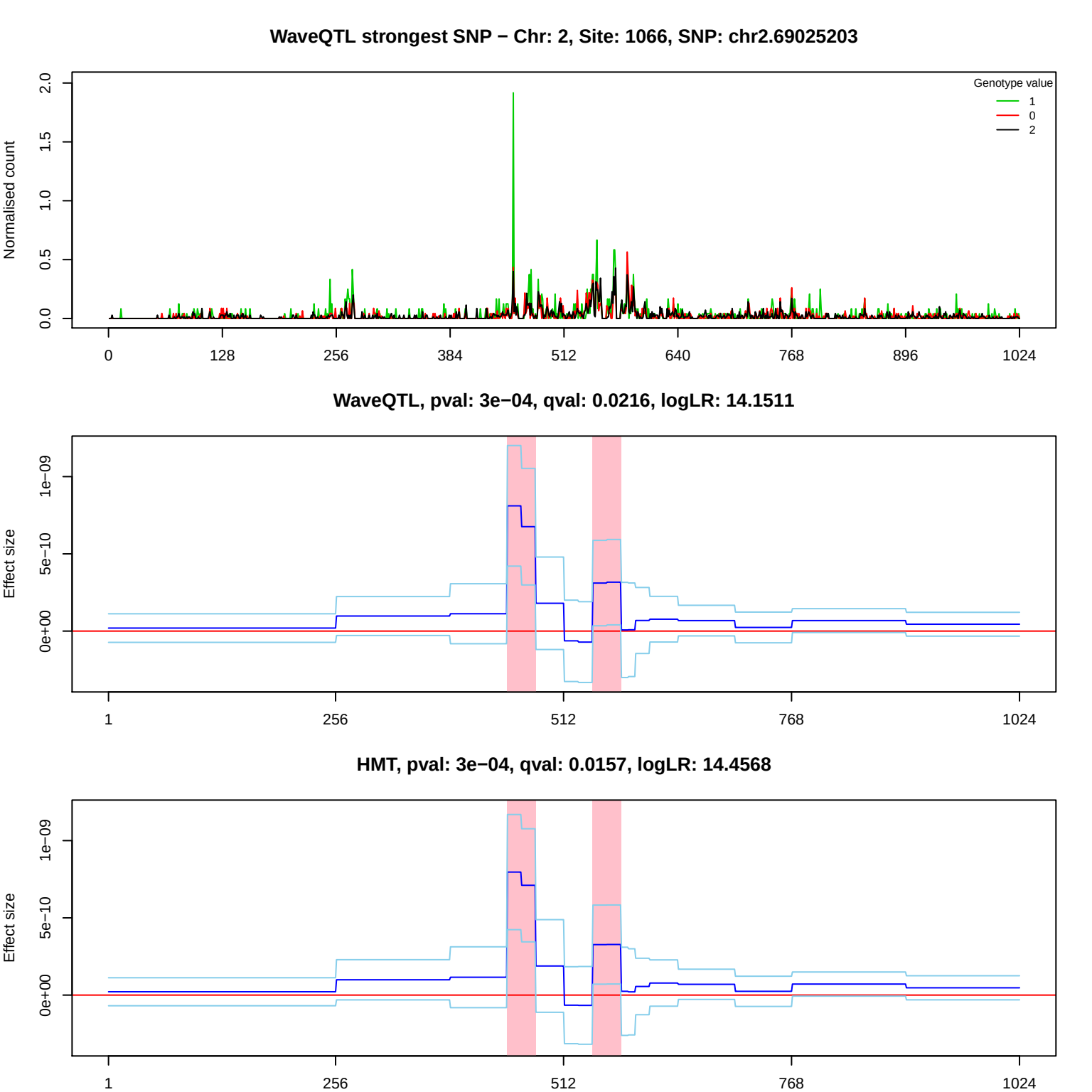

HMT strongest SNP − Chr: 2, Site: 694, SNP: chr2.42989319
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 0.0011, qval: 0.0519, logLR: 8.5721
Effect size
2e−10
0e+00
−2e−10
−4e−10
1
256
512
768
1024
HMT, pval: 0.0011, qval: 0.042, logLR: 8.7122
Effect size
2e−10
0e+00
−2e−10
−4e−10
1
256
512
768
1024

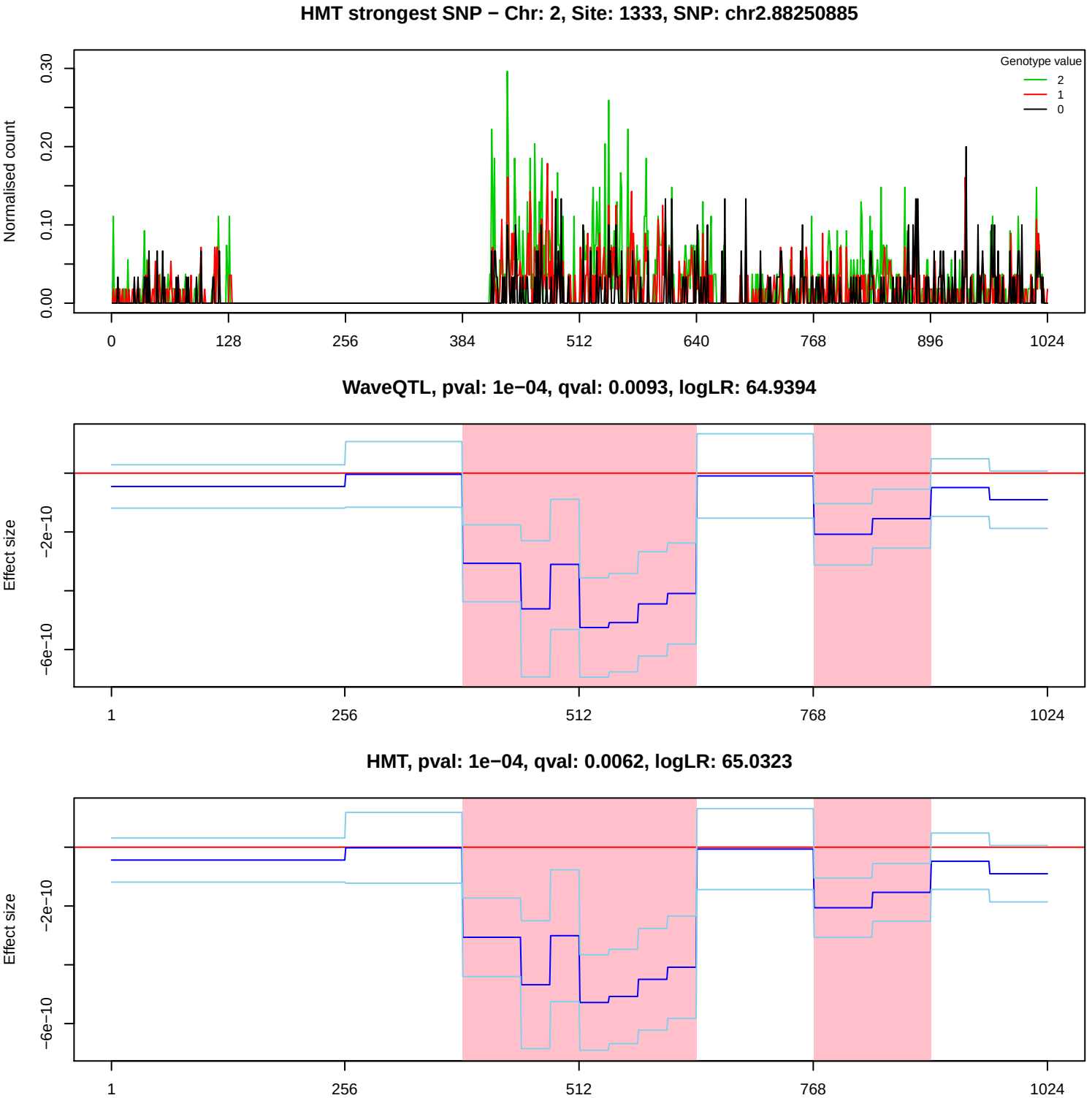

WaveQTL strongest SNP − Chr: 2, Site: 694, SNP: chr2.42989319
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 0.0011, qval: 0.0519, logLR: 8.5721
Effect size
−4e−10
−2e−10
0e+00
2e−10
1
256
512
768
1024
HMT, pval: 0.0011, qval: 0.042, logLR: 8.7122
Effect size
−4e−10
−2e−10
0e+00
2e−10
1
256
512
768
1024

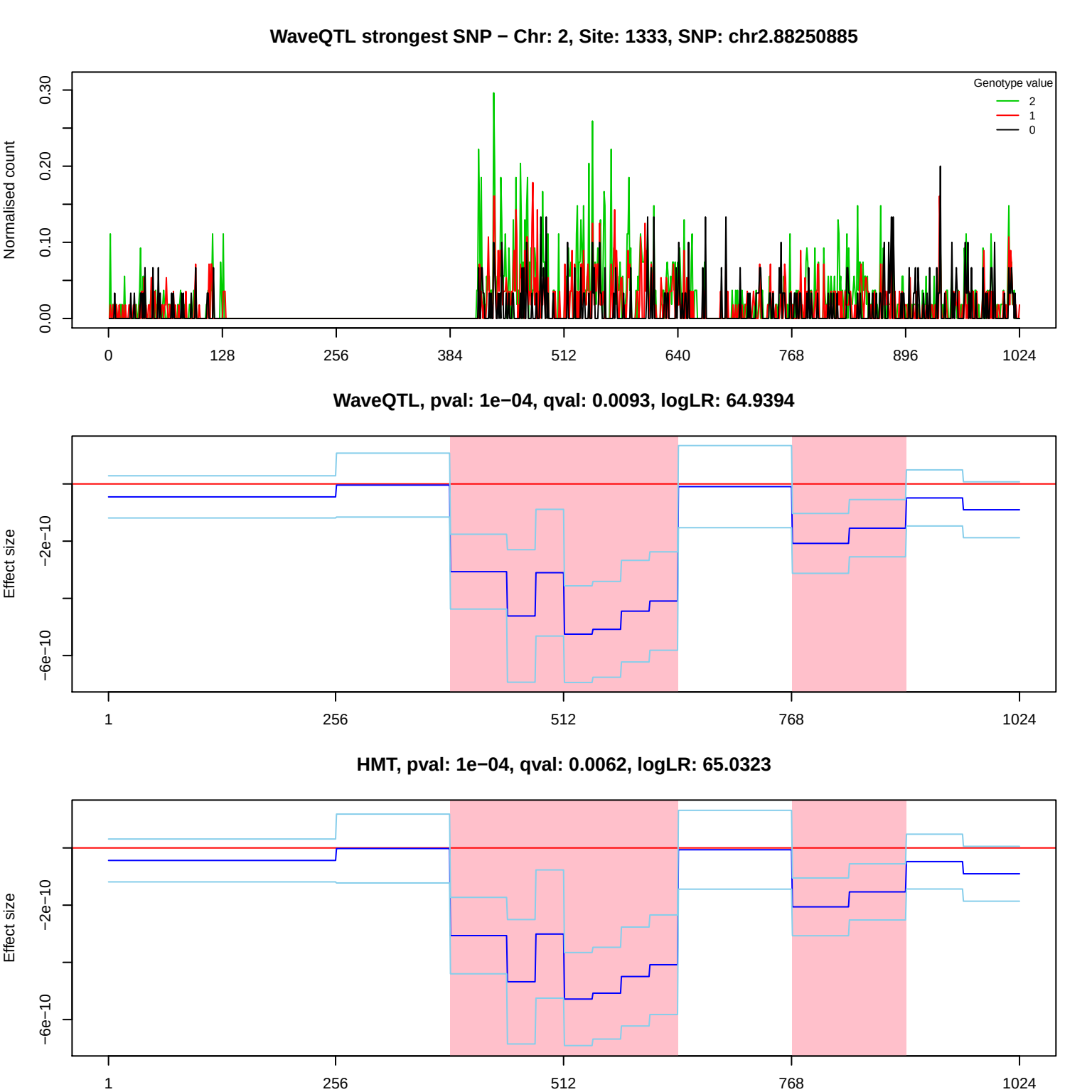

HMT strongest SNP − Chr: 2, Site: 808, SNP: chr2.47139218
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 20.1878
Effect size
−6e−10
−2e−10
2e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 20.3082
Effect size
−6e−10
−2e−10
2e−10
1
256
512
768
1024

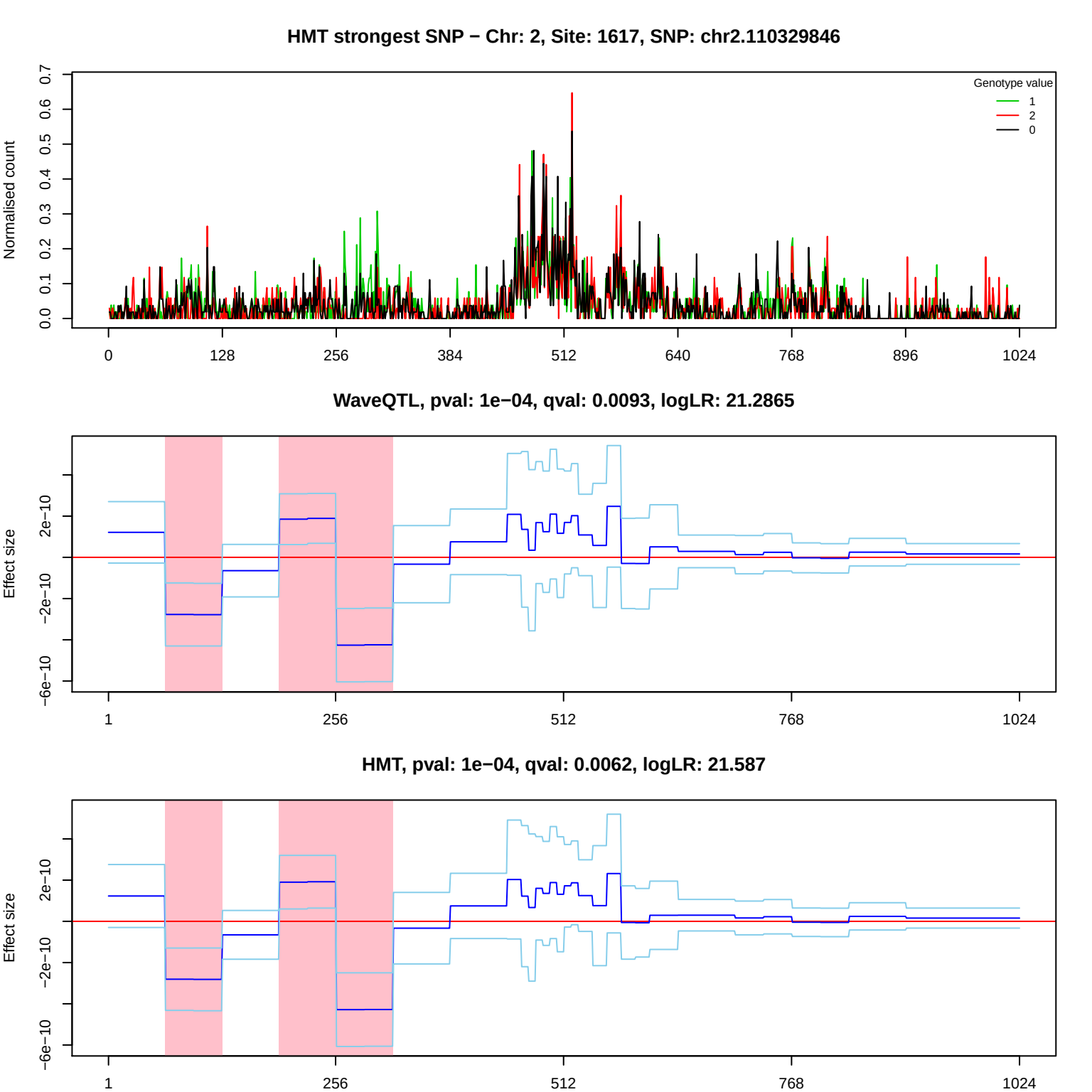

WaveQTL strongest SNP − Chr: 2, Site: 808, SNP: chr2.47139218
Genotype value
0
1
2
Normalised count
0.0
0.1
0.2
0.3
0.4
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 20.1878
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 20.3082
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024

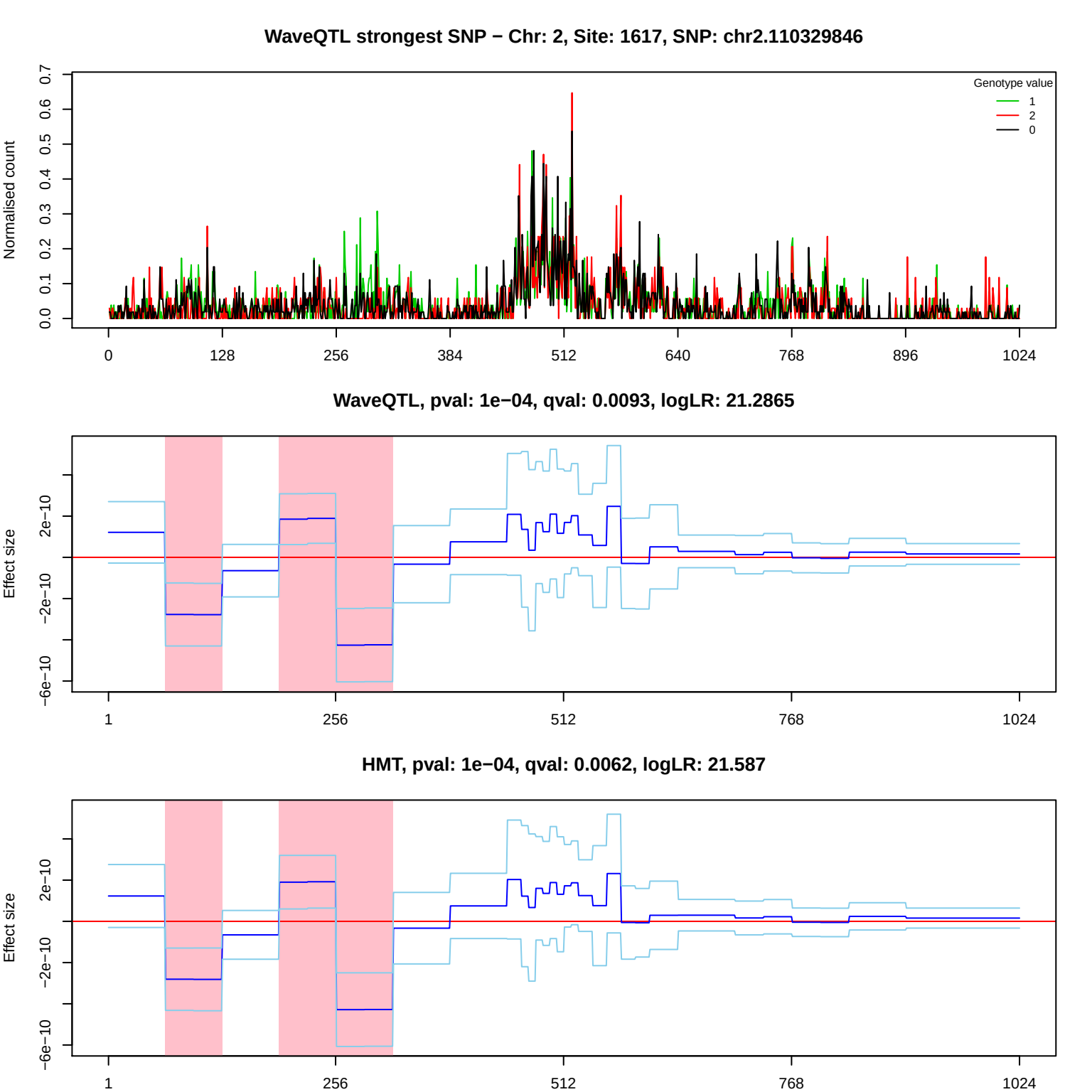

HMT strongest SNP − Chr: 2, Site: 1066, SNP: chr2.69025203
Normalised count
0.0
0.5
1.0
1.5
2.0
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 3e−04, qval: 0.0216, logLR: 14.1511
Effect size
0e+00
5e−10
1e−09
1
256
512
768
1024
HMT, pval: 3e−04, qval: 0.0157, logLR: 14.4568
Effect size
0e+00
5e−10
1e−09
1
256
512
768
1024

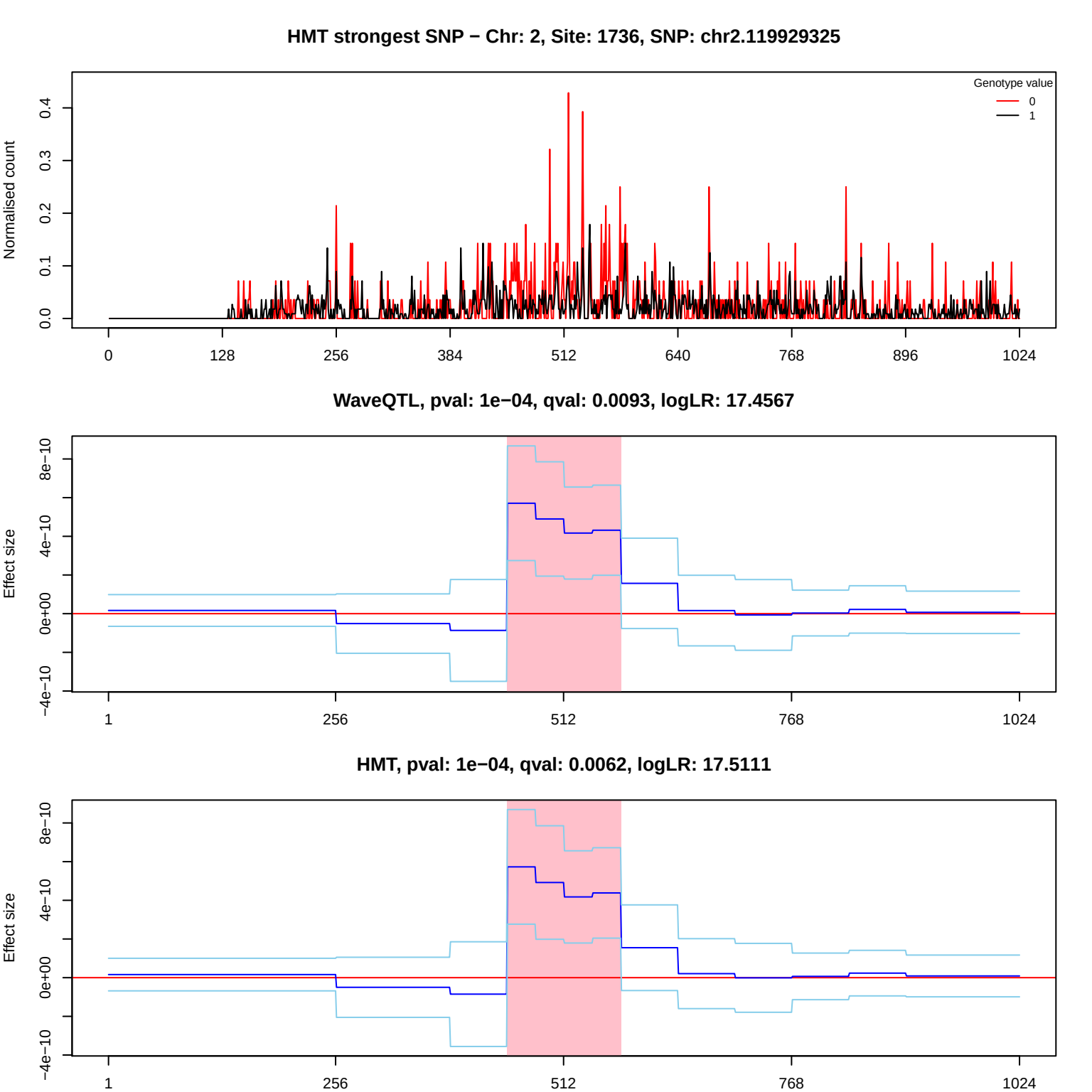

WaveQTL strongest SNP − Chr: 2, Site: 1066, SNP: chr2.69025203
Normalised count
0.0
0.5
1.0
1.5
2.0
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 3e−04, qval: 0.0216, logLR: 14.1511
Effect size
0e+00
5e−10
1e−09
1
256
512
768
1024
HMT, pval: 3e−04, qval: 0.0157, logLR: 14.4568
Effect size
0e+00
5e−10
1e−09
1
256
512
768
1024

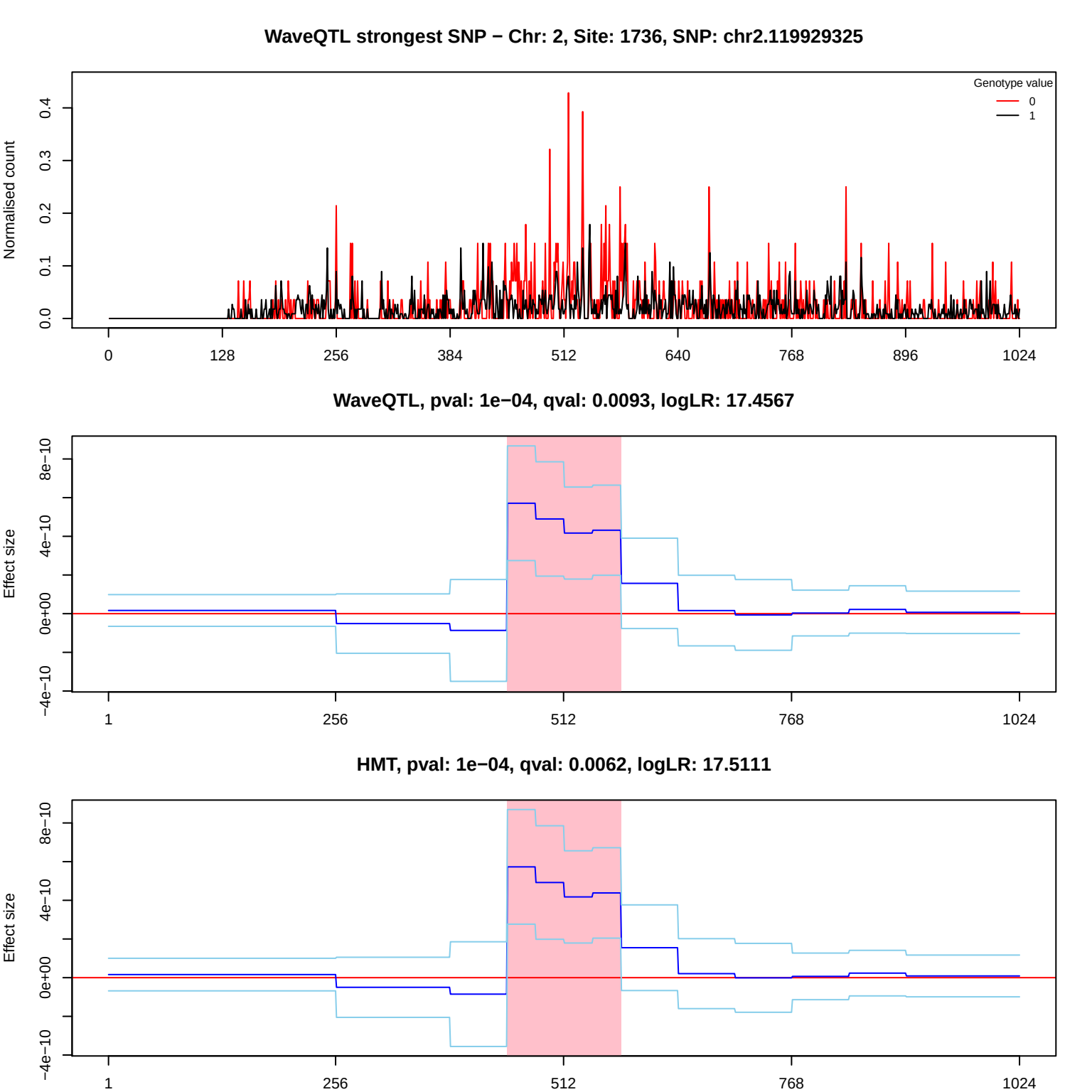

HMT strongest SNP − Chr: 2, Site: 1333, SNP: chr2.88250885
Normalised count
0.00
0.10
0.20
0.30
Genotype value
2
1
0
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 64.9394
Effect size
−6e−10
−2e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 65.0323
Effect size
−6e−10
−2e−10
1
256
512
768
1024

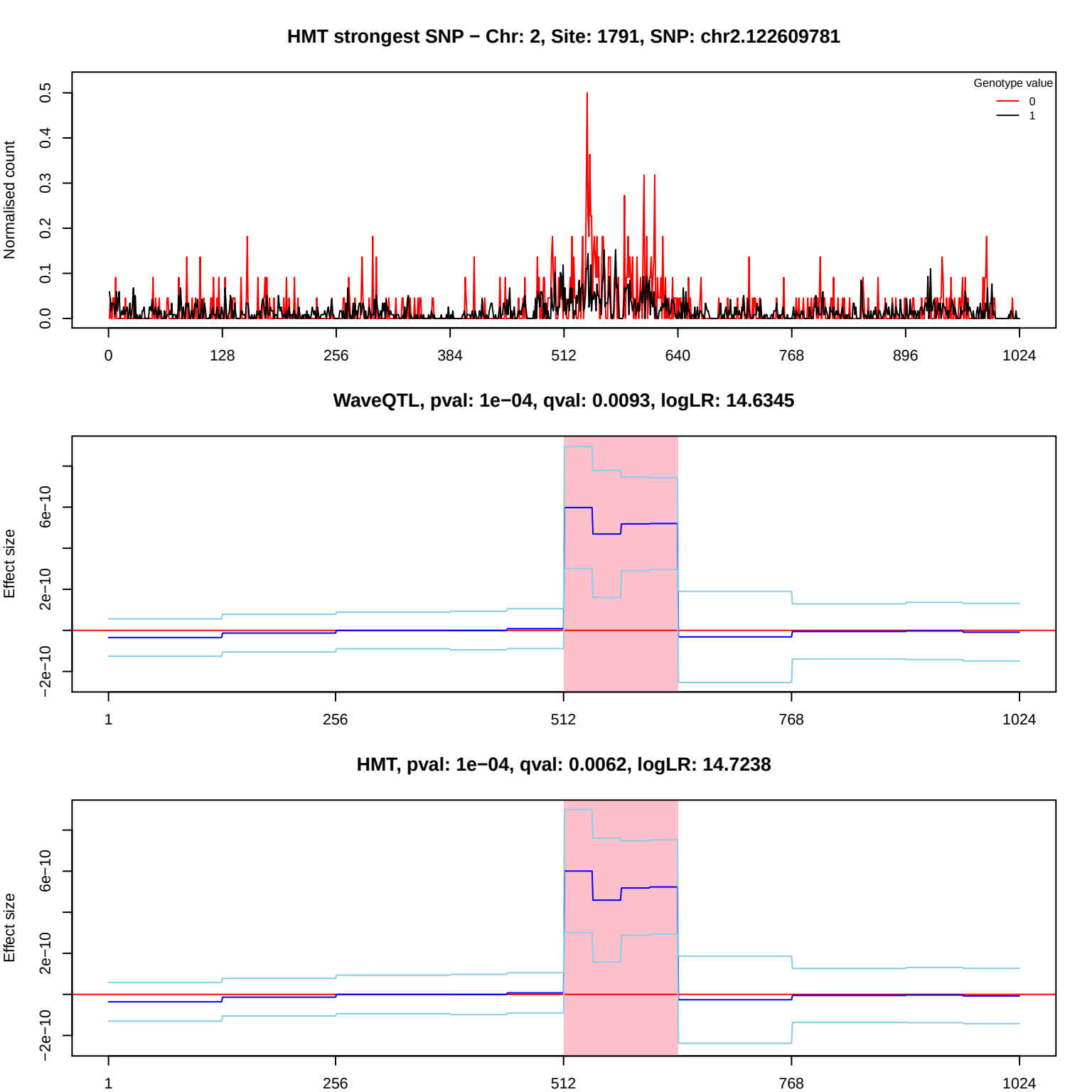

WaveQTL strongest SNP − Chr: 2, Site: 1333, SNP: chr2.88250885
Normalised count
0.00
0.10
0.20
0.30
Genotype value
2
1
0
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 64.9394
Effect size
−6e−10
−2e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 65.0323
Effect size
−6e−10
−2e−10
1
256
512
768
1024

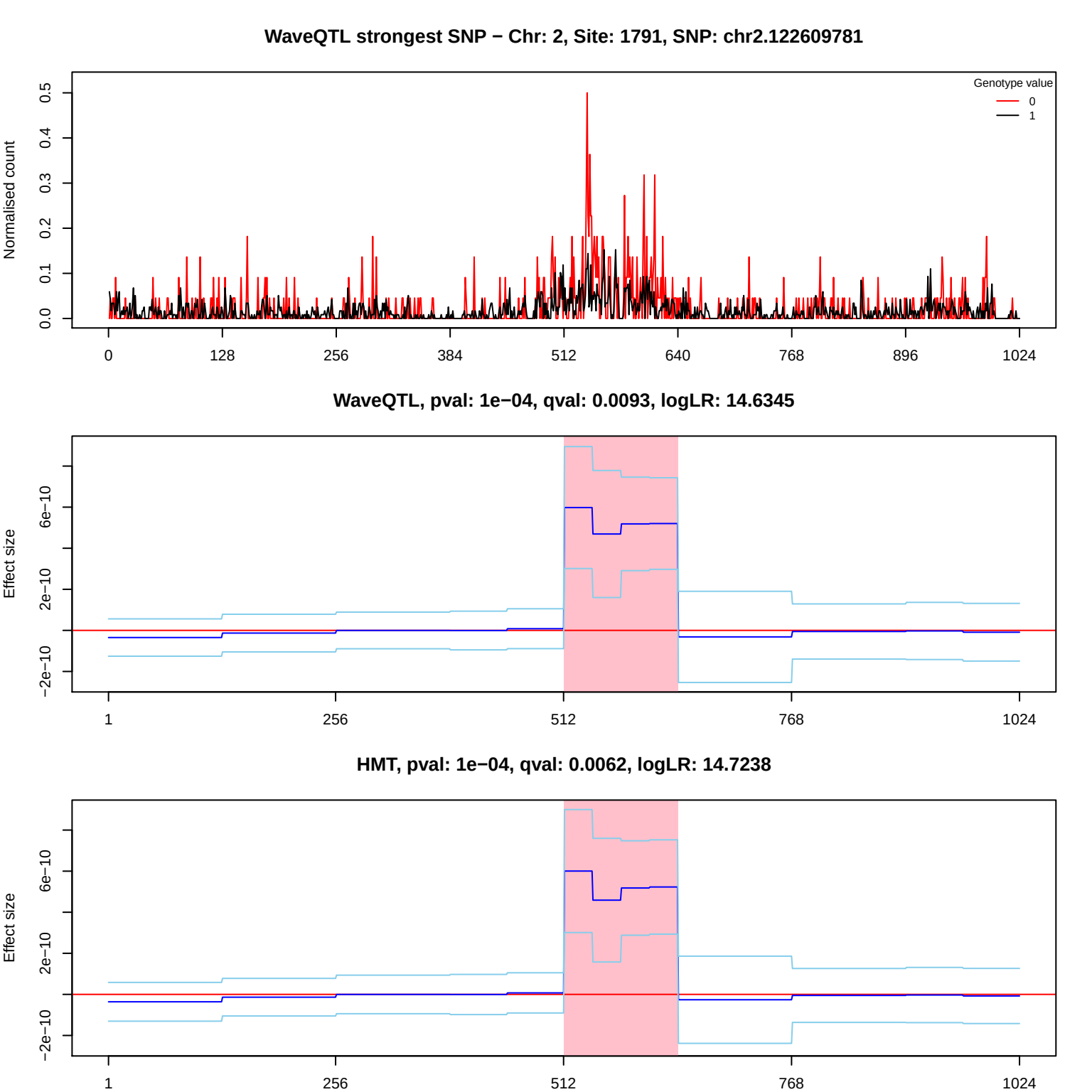

HMT strongest SNP − Chr: 2, Site: 1617, SNP: chr2.110329846
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
Genotype value
1
2
0
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 21.2865
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 21.587
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024

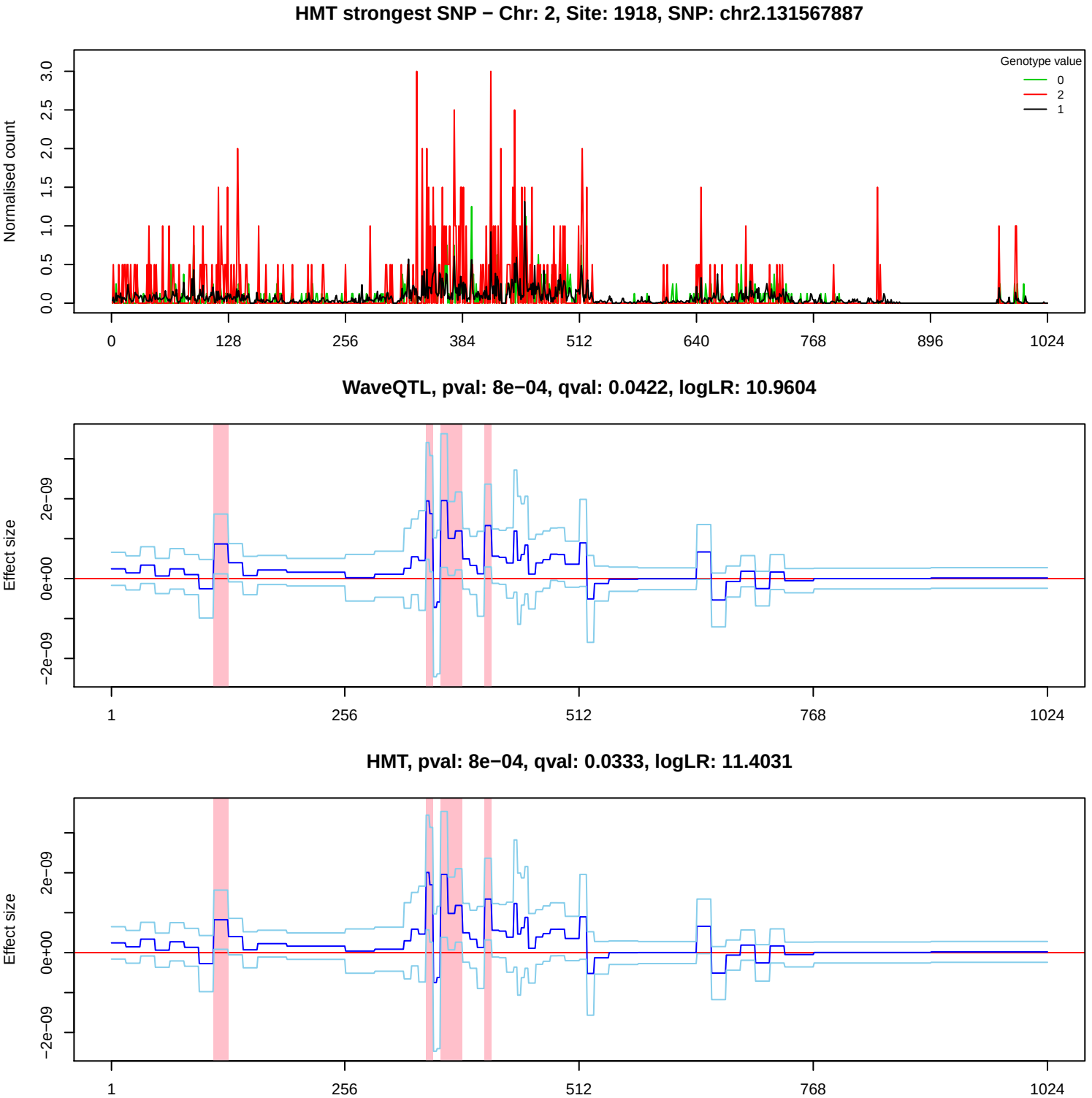

WaveQTL strongest SNP − Chr: 2, Site: 1617, SNP: chr2.110329846
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
Genotype value
1
2
0
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 21.2865
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 21.587
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024

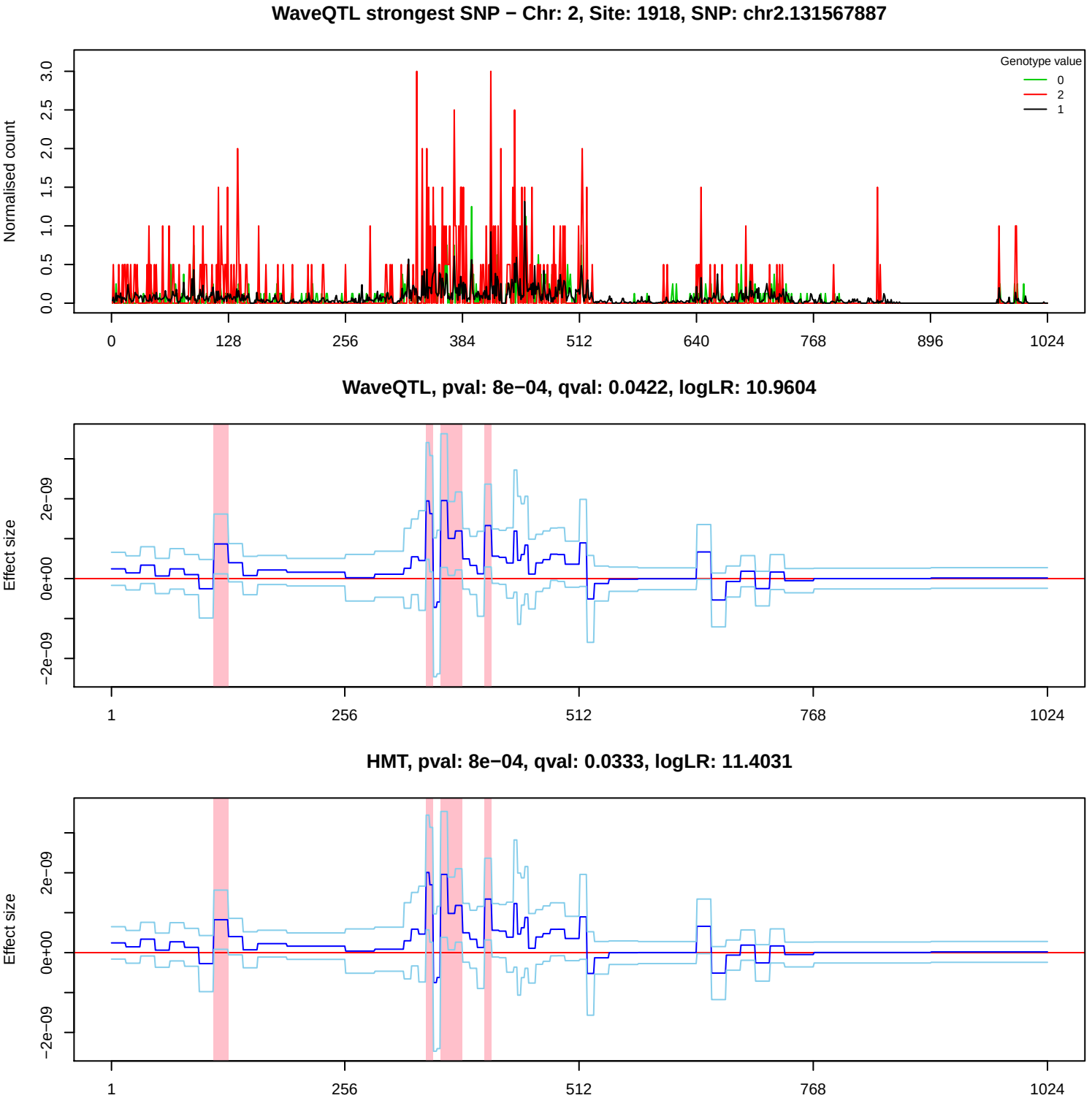

HMT strongest SNP − Chr: 2, Site: 1736, SNP: chr2.119929325
Genotype value
0
1
Normalised count
0.0
0.1
0.2
0.3
0.4
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 17.4567
Effect size
−4e−10
0e+00
4e−10
8e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 17.5111
Effect size
−4e−10
0e+00
4e−10
8e−10
1
256
512
768
1024

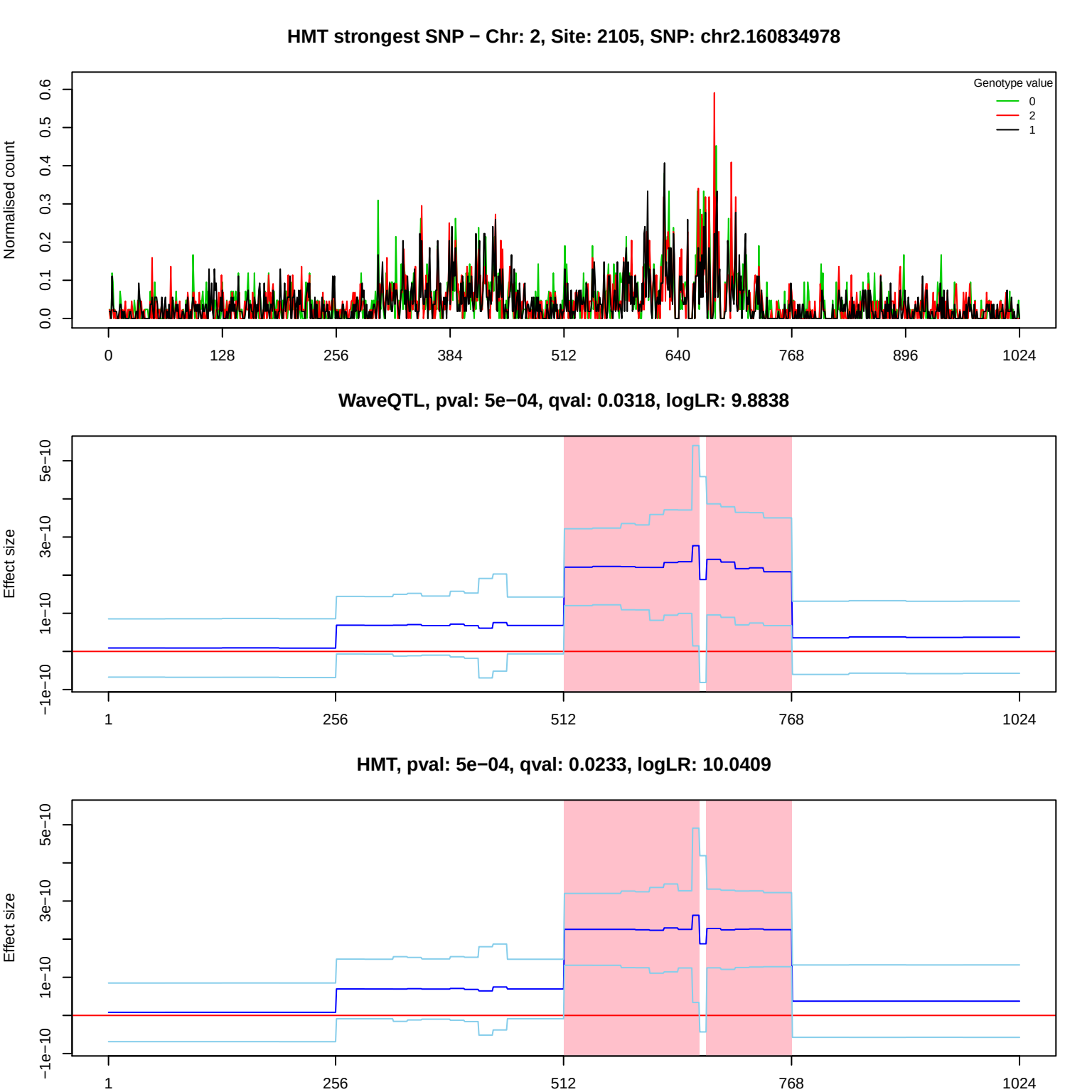

WaveQTL strongest SNP − Chr: 2, Site: 1736, SNP: chr2.119929325
Genotype value
0
1
Normalised count
0.0
0.1
0.2
0.3
0.4
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 17.4567
Effect size
−4e−10
0e+00
4e−10
8e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 17.5111
Effect size
−4e−10
0e+00
4e−10
8e−10
1
256
512
768
1024

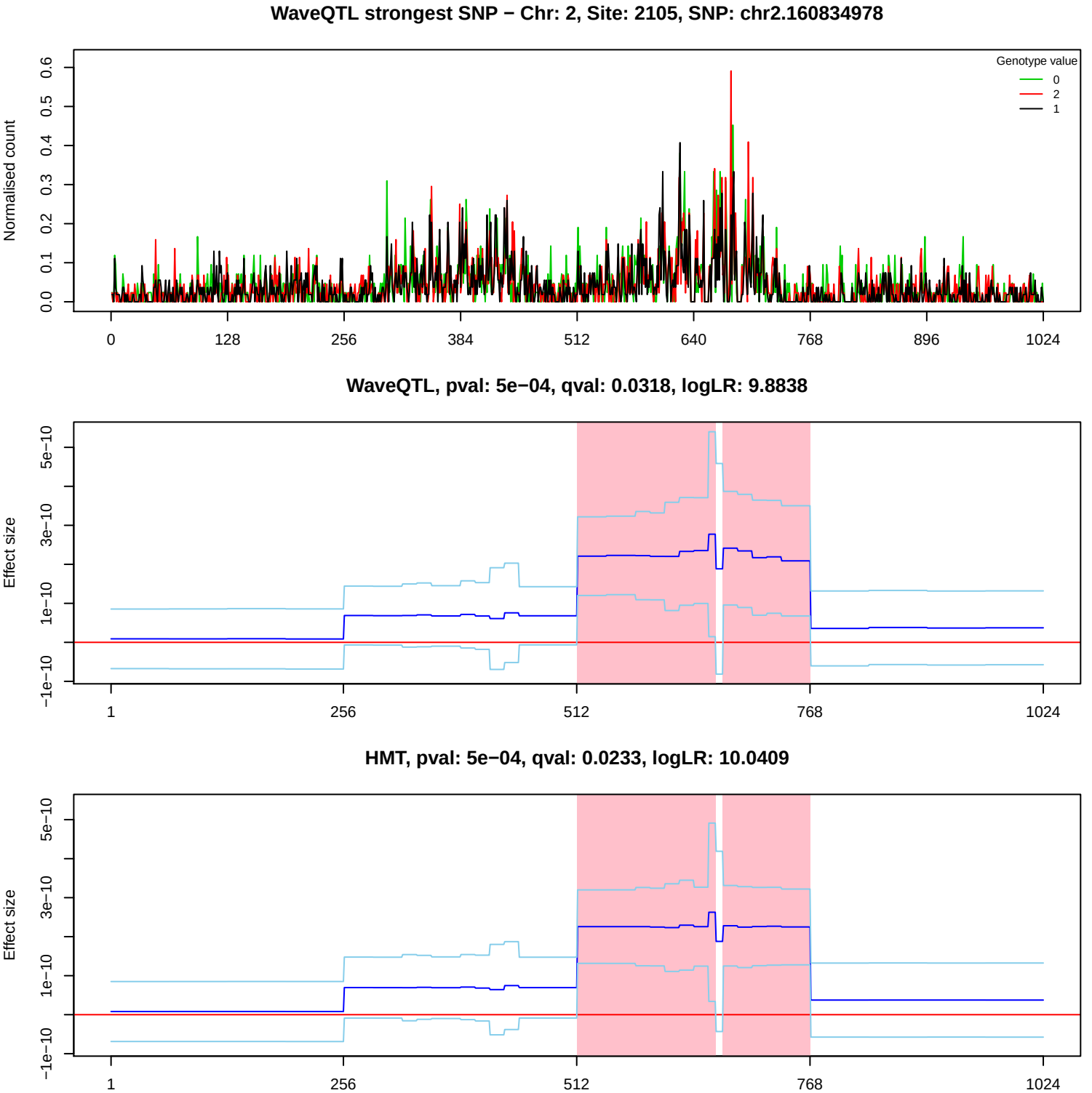

HMT strongest SNP − Chr: 2, Site: 1791, SNP: chr2.122609781
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
Genotype value
0
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 14.6345
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 14.7238
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024

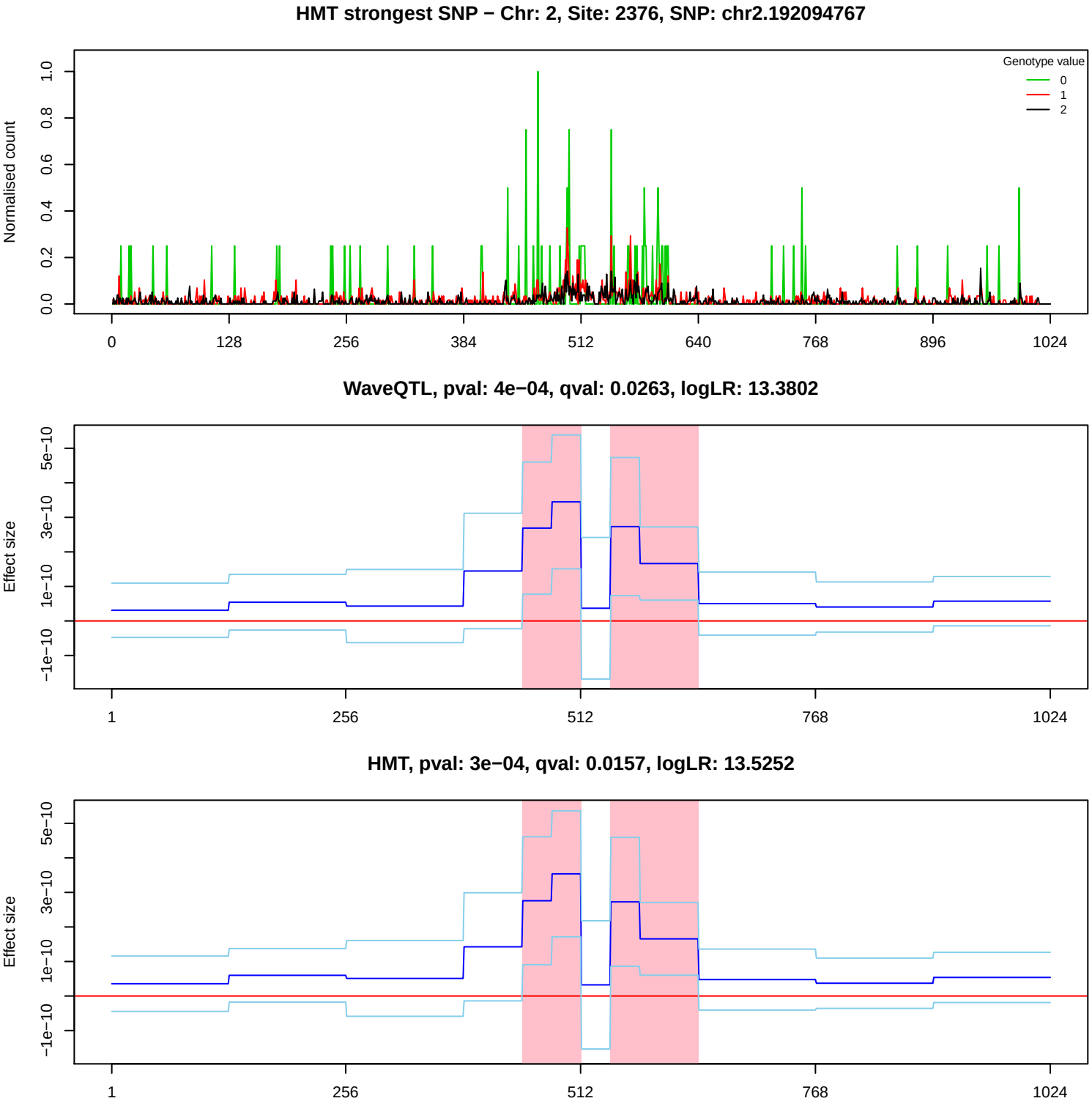

WaveQTL strongest SNP − Chr: 2, Site: 1791, SNP: chr2.122609781
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
Genotype value
0
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 14.6345
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 14.7238
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024

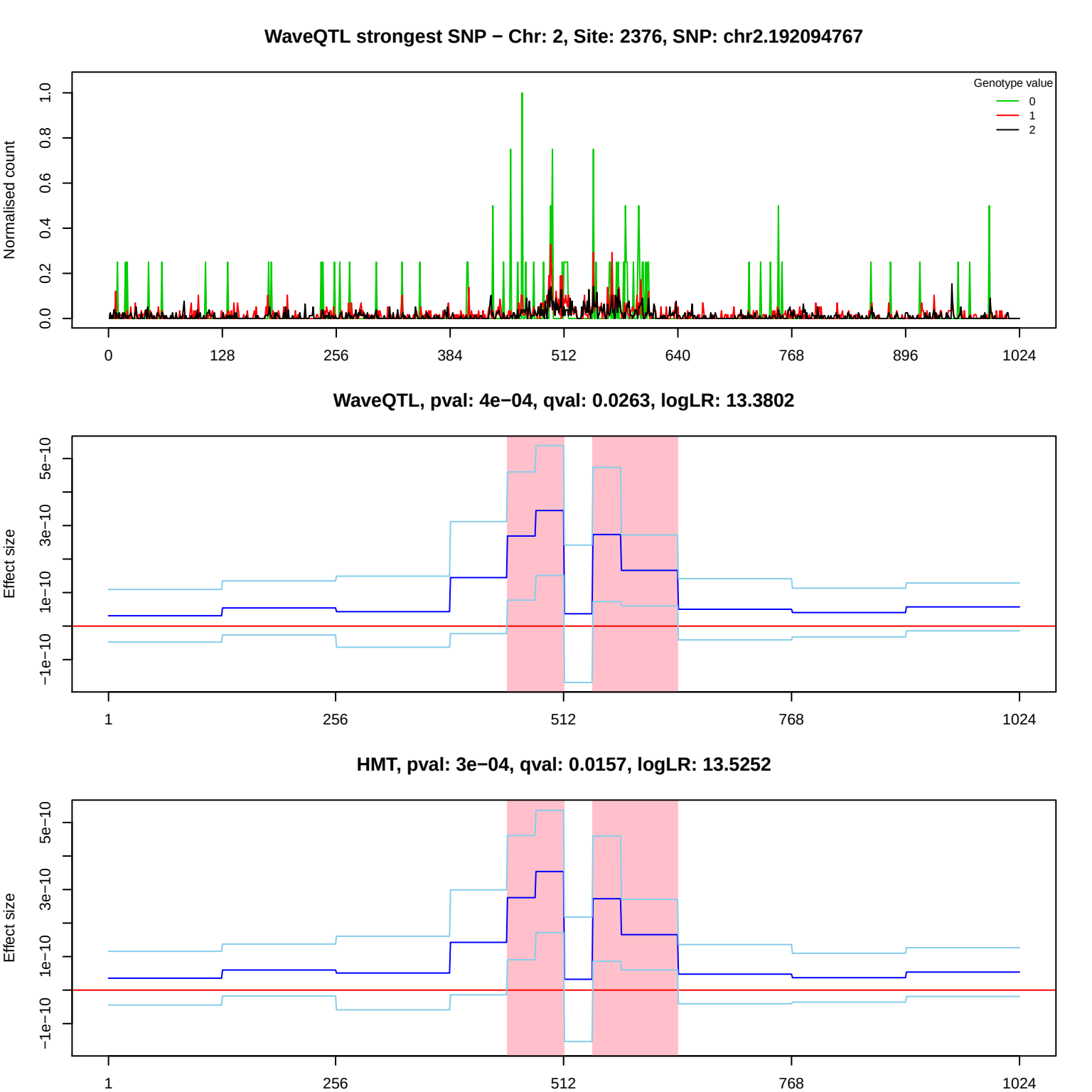

HMT strongest SNP − Chr: 2, Site: 1918, SNP: chr2.131567887
Normalised count
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 8e−04, qval: 0.0422, logLR: 10.9604
Effect size
−2e−09
0e+00
2e−09
1
256
512
768
1024
HMT, pval: 8e−04, qval: 0.0333, logLR: 11.4031
Effect size
−2e−09
0e+00
2e−09
1
256
512
768
1024

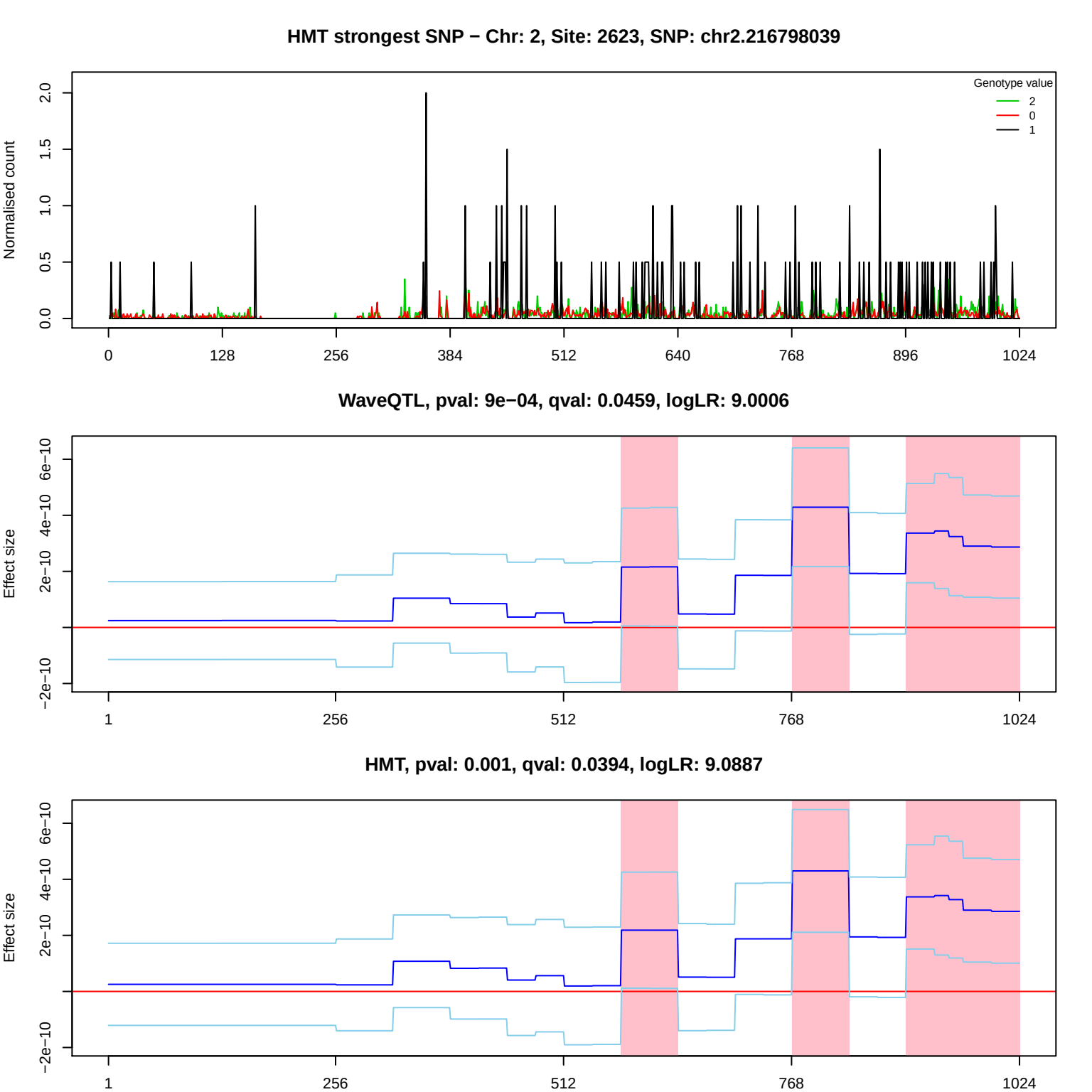

WaveQTL strongest SNP − Chr: 2, Site: 1918, SNP: chr2.131567887
Normalised count
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 8e−04, qval: 0.0422, logLR: 10.9604
Effect size
−2e−09
0e+00
2e−09
1
256
512
768
1024
HMT, pval: 8e−04, qval: 0.0333, logLR: 11.4031
Effect size
−2e−09
0e+00
2e−09
1
256
512
768
1024

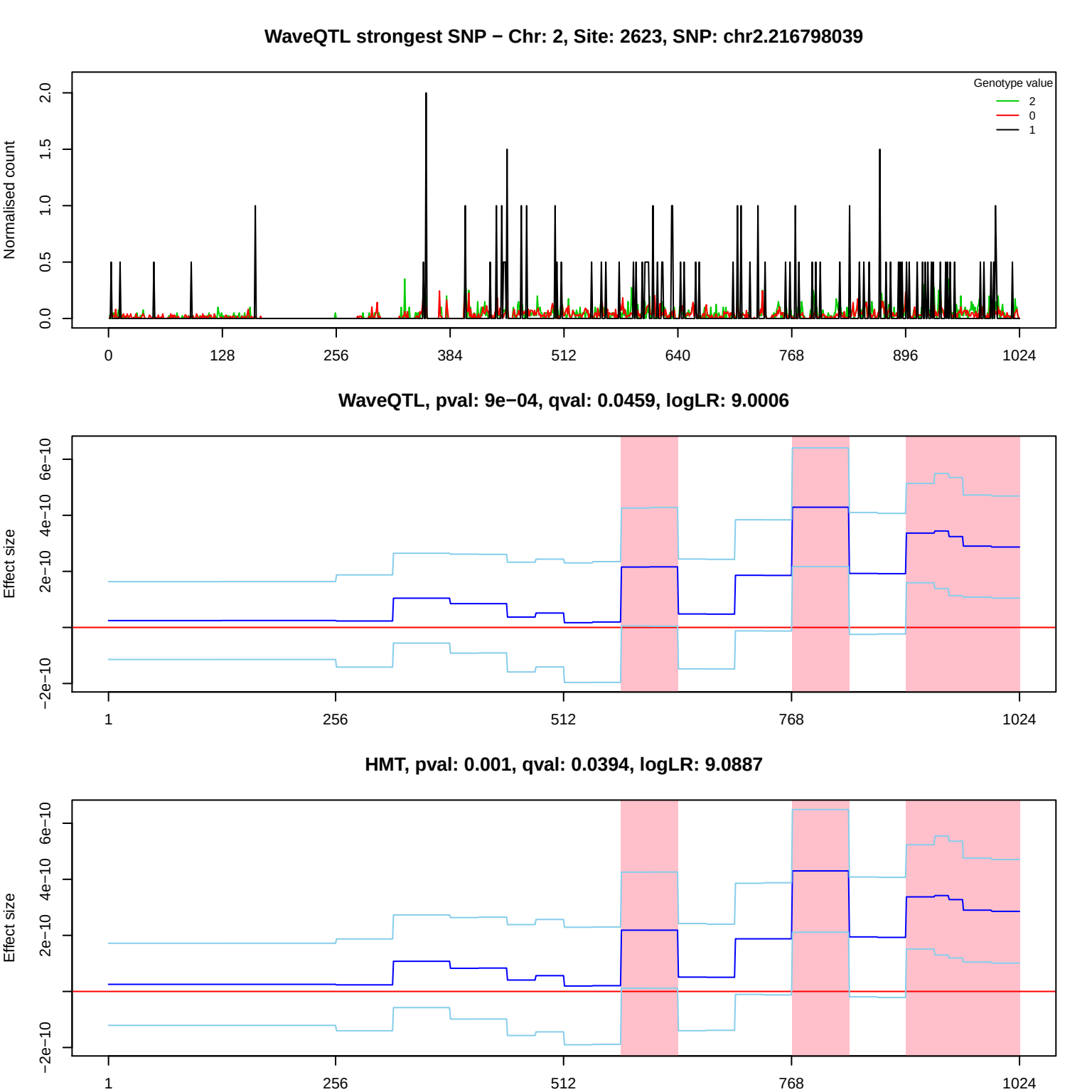

HMT strongest SNP − Chr: 2, Site: 2105, SNP: chr2.160834978
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 5e−04, qval: 0.0318, logLR: 9.8838
Effect size
−1e−10
1e−10
3e−10
5e−10
1
256
512
768
1024
HMT, pval: 5e−04, qval: 0.0233, logLR: 10.0409
Effect size
−1e−10
1e−10
3e−10
5e−10
1
256
512
768
1024

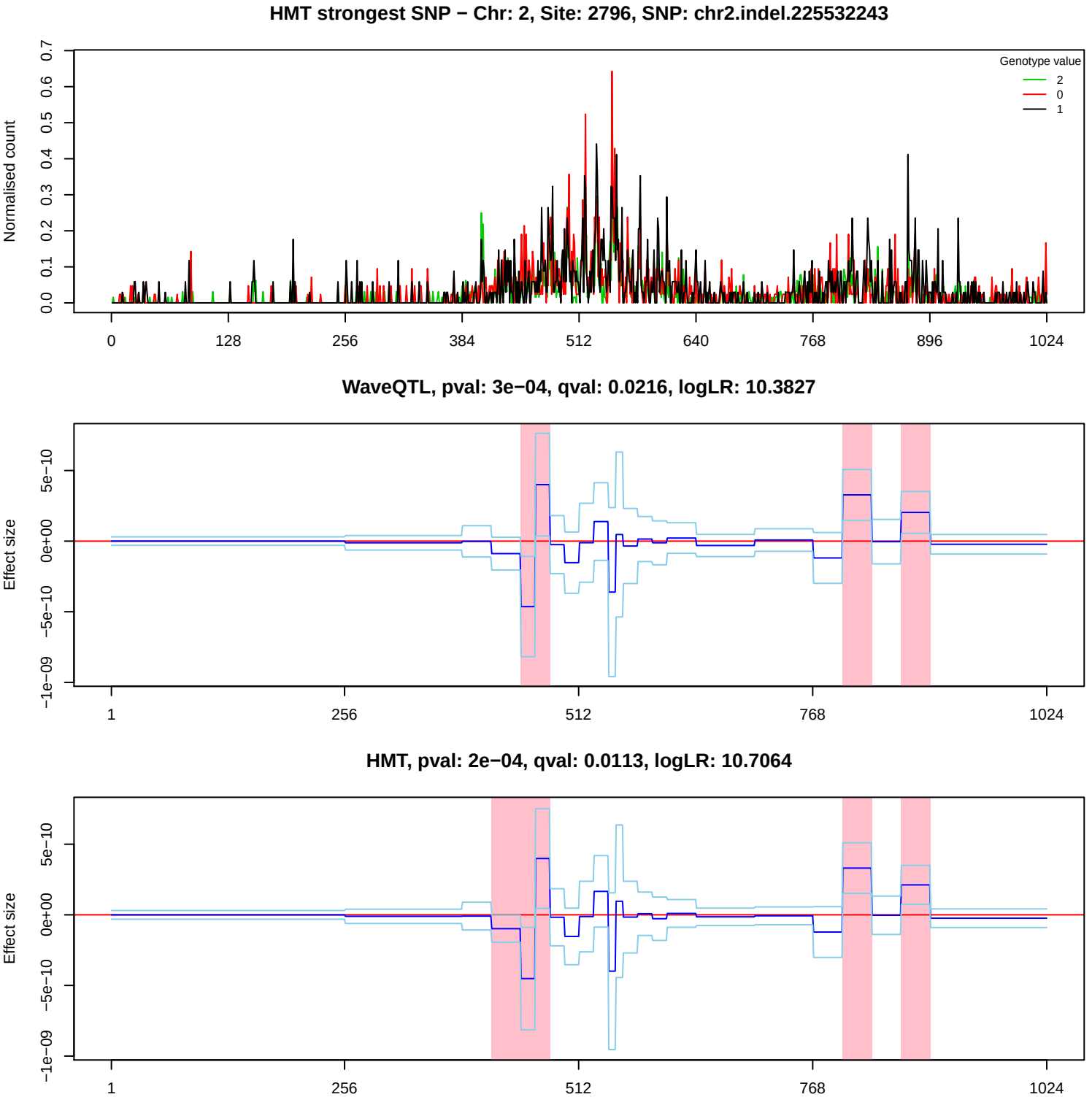

WaveQTL strongest SNP − Chr: 2, Site: 2105, SNP: chr2.160834978
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 5e−04, qval: 0.0318, logLR: 9.8838
Effect size
−1e−10
1e−10
3e−10
5e−10
1
256
512
768
1024
HMT, pval: 5e−04, qval: 0.0233, logLR: 10.0409
Effect size
−1e−10
1e−10
3e−10
5e−10
1
256
512
768
1024

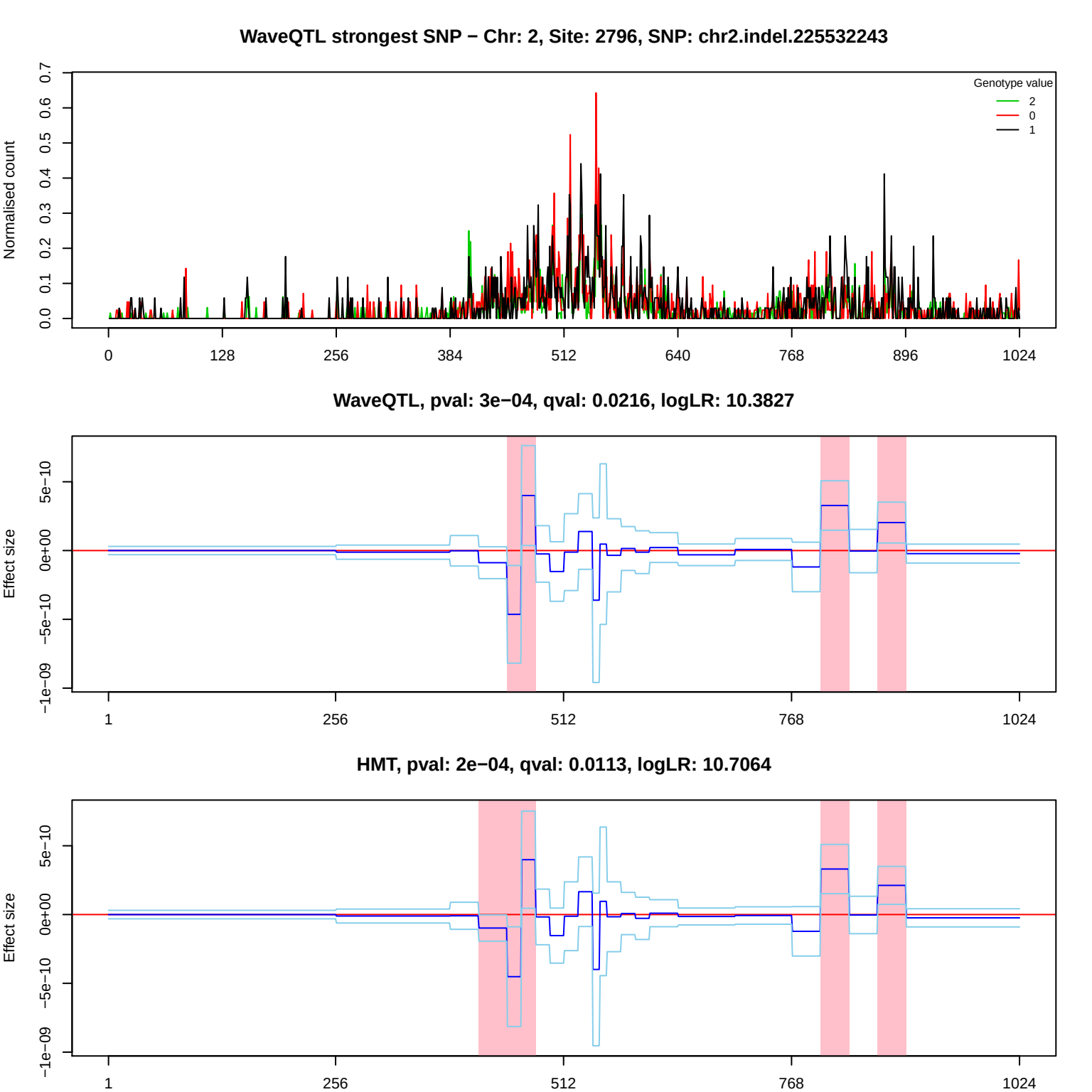

HMT strongest SNP − Chr: 2, Site: 2376, SNP: chr2.192094767
Normalised count
0.0
0.2
0.4
0.6
0.8
1.0
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 4e−04, qval: 0.0263, logLR: 13.3802
Effect size
−1e−10
1e−10
3e−10
5e−10
1
256
512
768
1024
HMT, pval: 3e−04, qval: 0.0157, logLR: 13.5252
Effect size
−1e−10
1e−10
3e−10
5e−10
1
256
512
768
1024

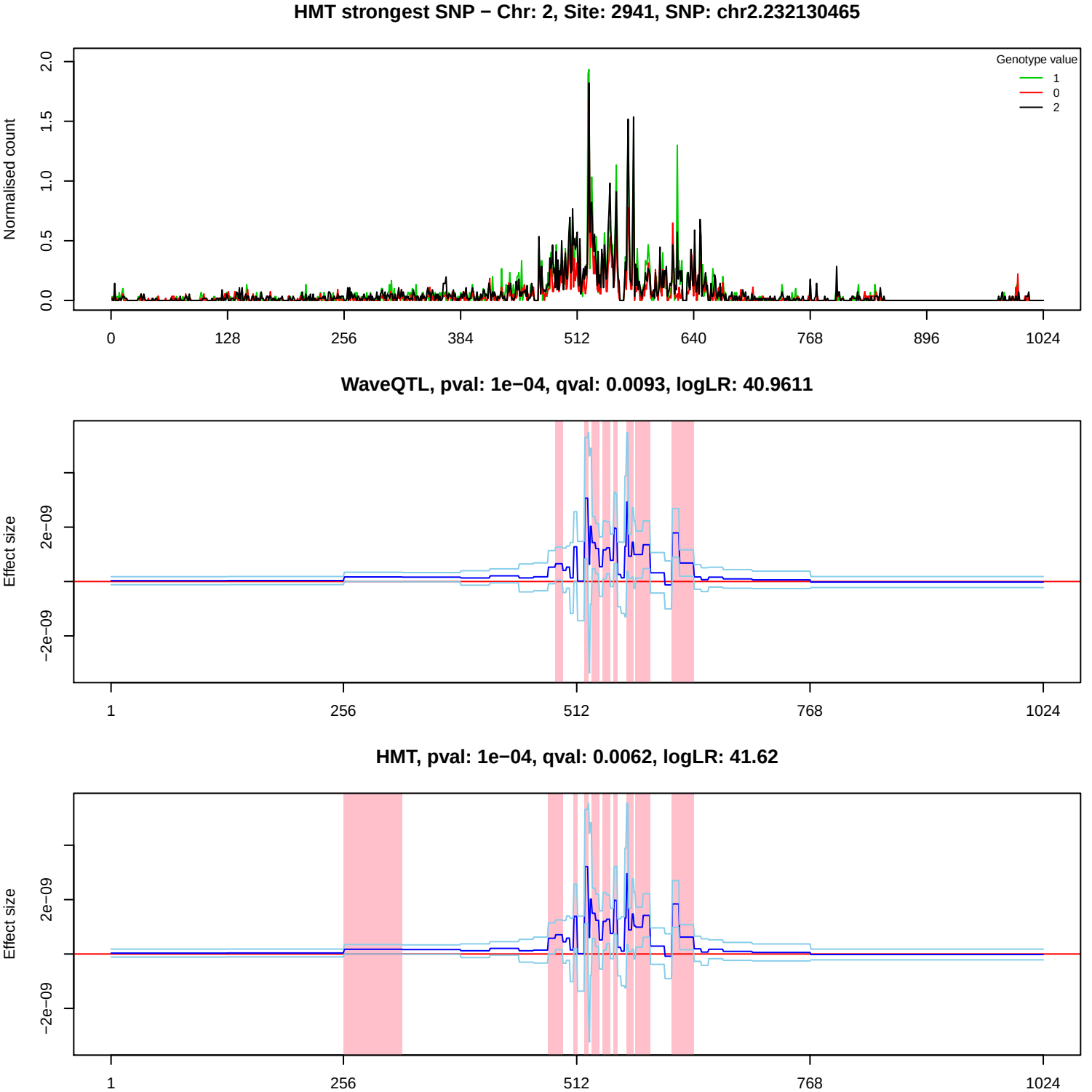

WaveQTL strongest SNP − Chr: 2, Site: 2376, SNP: chr2.192094767
Normalised count
0.0
0.2
0.4
0.6
0.8
1.0
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 4e−04, qval: 0.0263, logLR: 13.3802
Effect size
−1e−10
1e−10
3e−10
5e−10
1
256
512
768
1024
HMT, pval: 3e−04, qval: 0.0157, logLR: 13.5252
Effect size
−1e−10
1e−10
3e−10
5e−10
1
256
512
768
1024

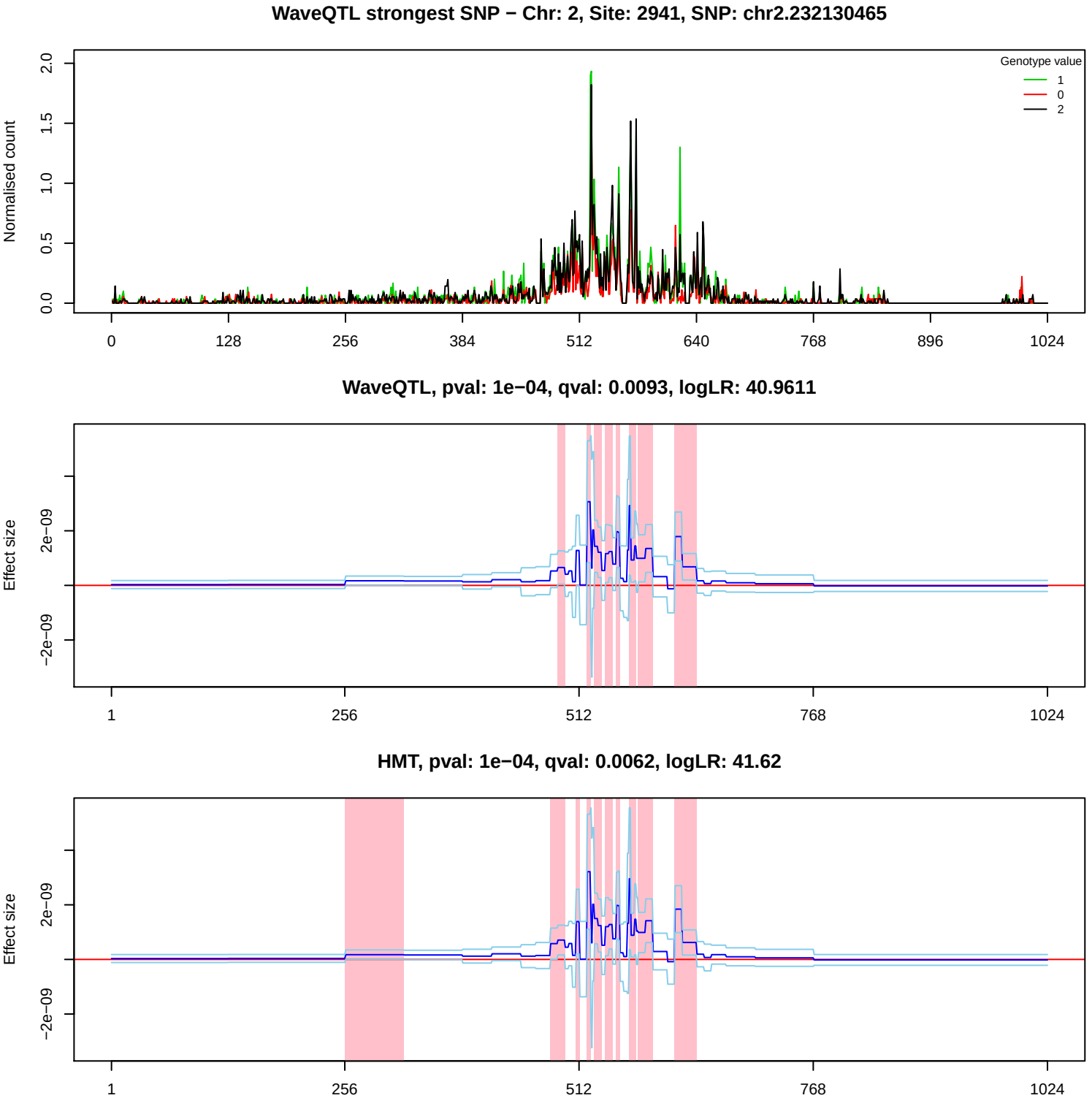

HMT strongest SNP − Chr: 2, Site: 2623, SNP: chr2.216798039
Normalised count
Genotype value
2
0
1
0.0
0.5
1.0
1.5
2.0
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 9e−04, qval: 0.0459, logLR: 9.0006
Effect size
−2e−10
2e−10
4e−10
6e−10
1
256
512
768
1024
HMT, pval: 0.001, qval: 0.0394, logLR: 9.0887
Effect size
−2e−10
2e−10
4e−10
6e−10
1
256
512
768
1024

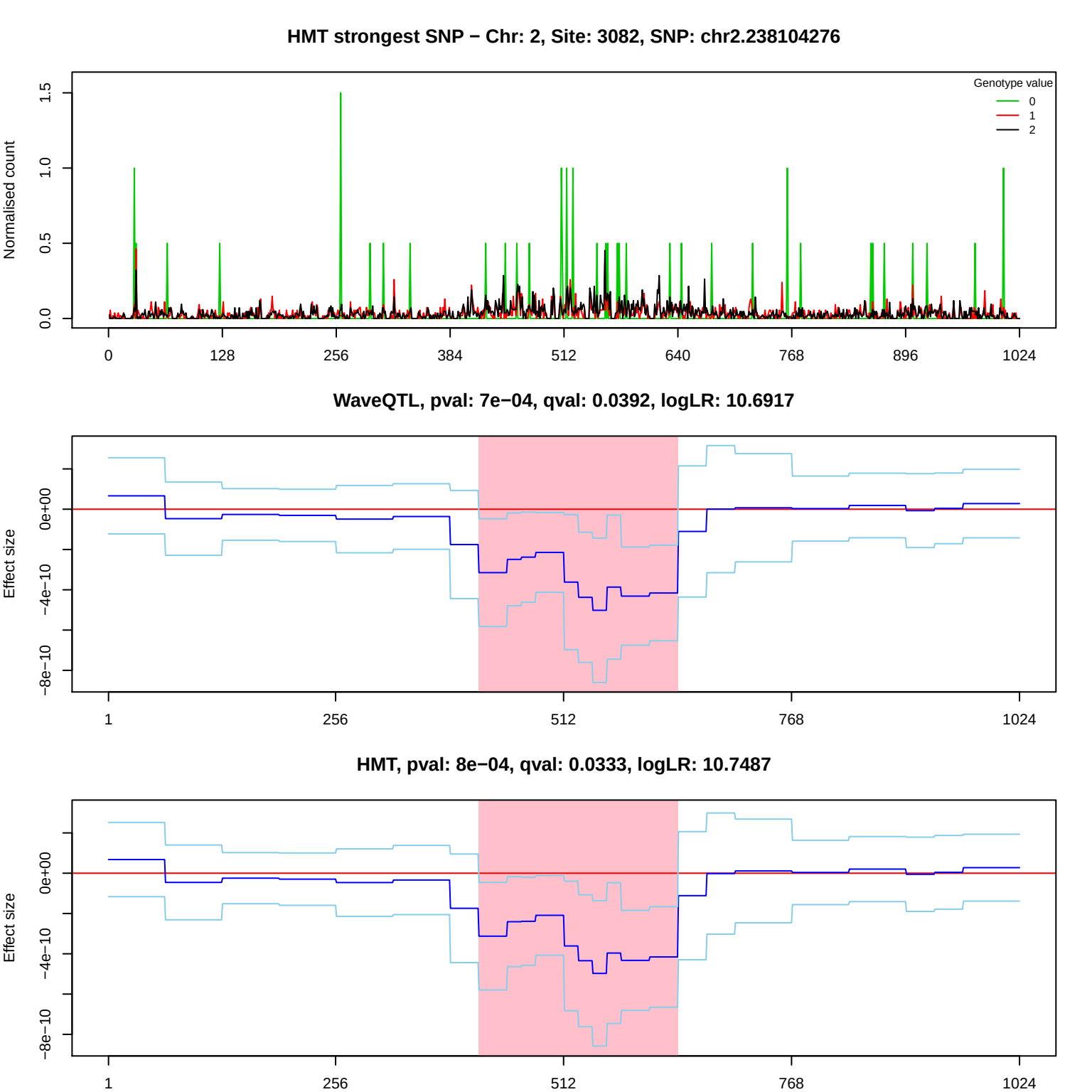

WaveQTL strongest SNP − Chr: 2, Site: 2623, SNP: chr2.216798039
Normalised count
0.0
0.5
1.0
1.5
2.0
Genotype value
2
0
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 9e−04, qval: 0.0459, logLR: 9.0006
Effect size
−2e−10
2e−10
4e−10
6e−10
1
256
512
768
1024
HMT, pval: 0.001, qval: 0.0394, logLR: 9.0887
Effect size
−2e−10
2e−10
4e−10
6e−10
1
256
512
768
1024

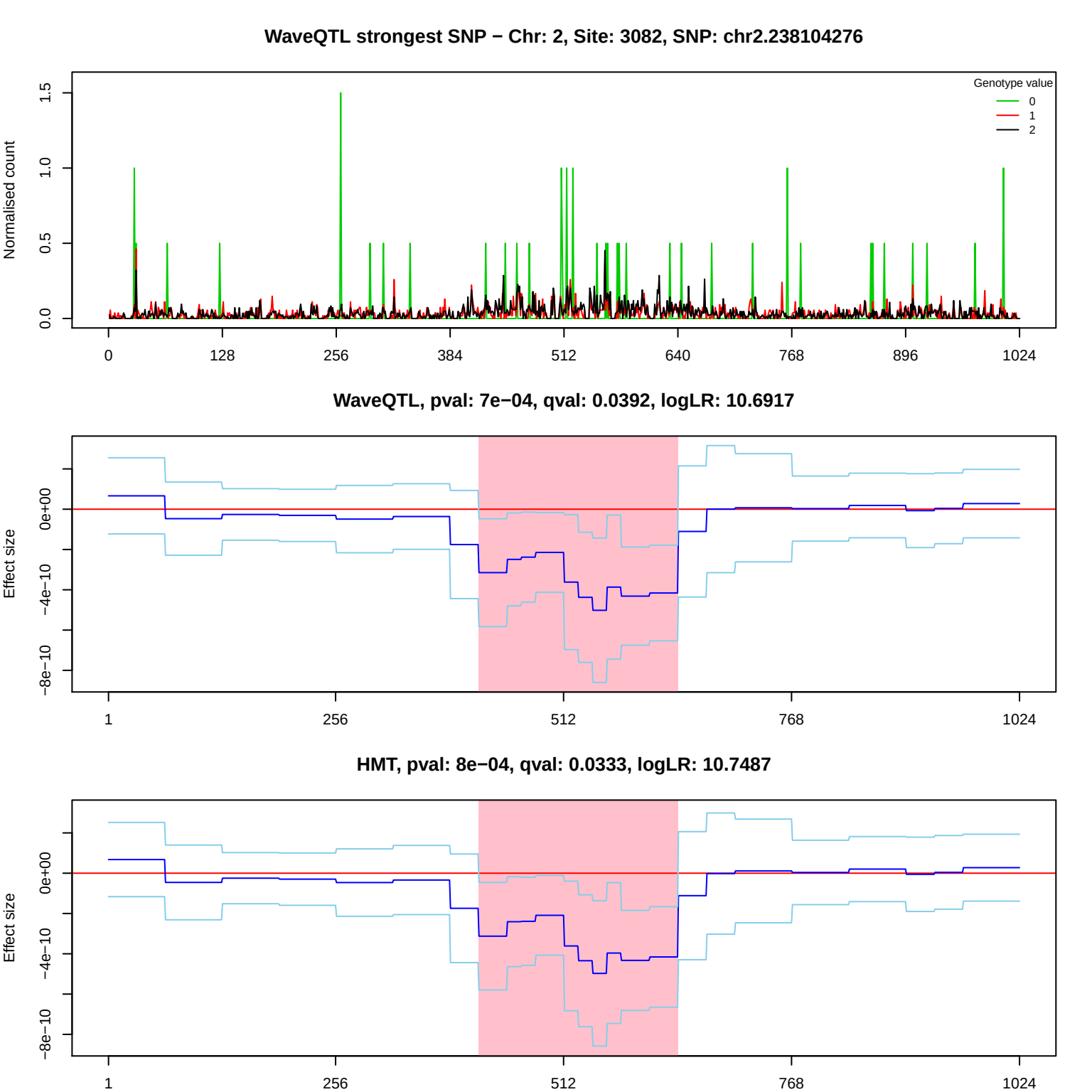

HMT strongest SNP − Chr: 2, Site: 2796, SNP: chr2.indel.225532243
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
Genotype value
2
0
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 3e−04, qval: 0.0216, logLR: 10.3827
Effect size
−1e−09
−5e−10
0e+00
5e−10
1
256
512
768
1024
HMT, pval: 2e−04, qval: 0.0113, logLR: 10.7064
Effect size
−1e−09
−5e−10
0e+00
5e−10
1
256
512
768
1024

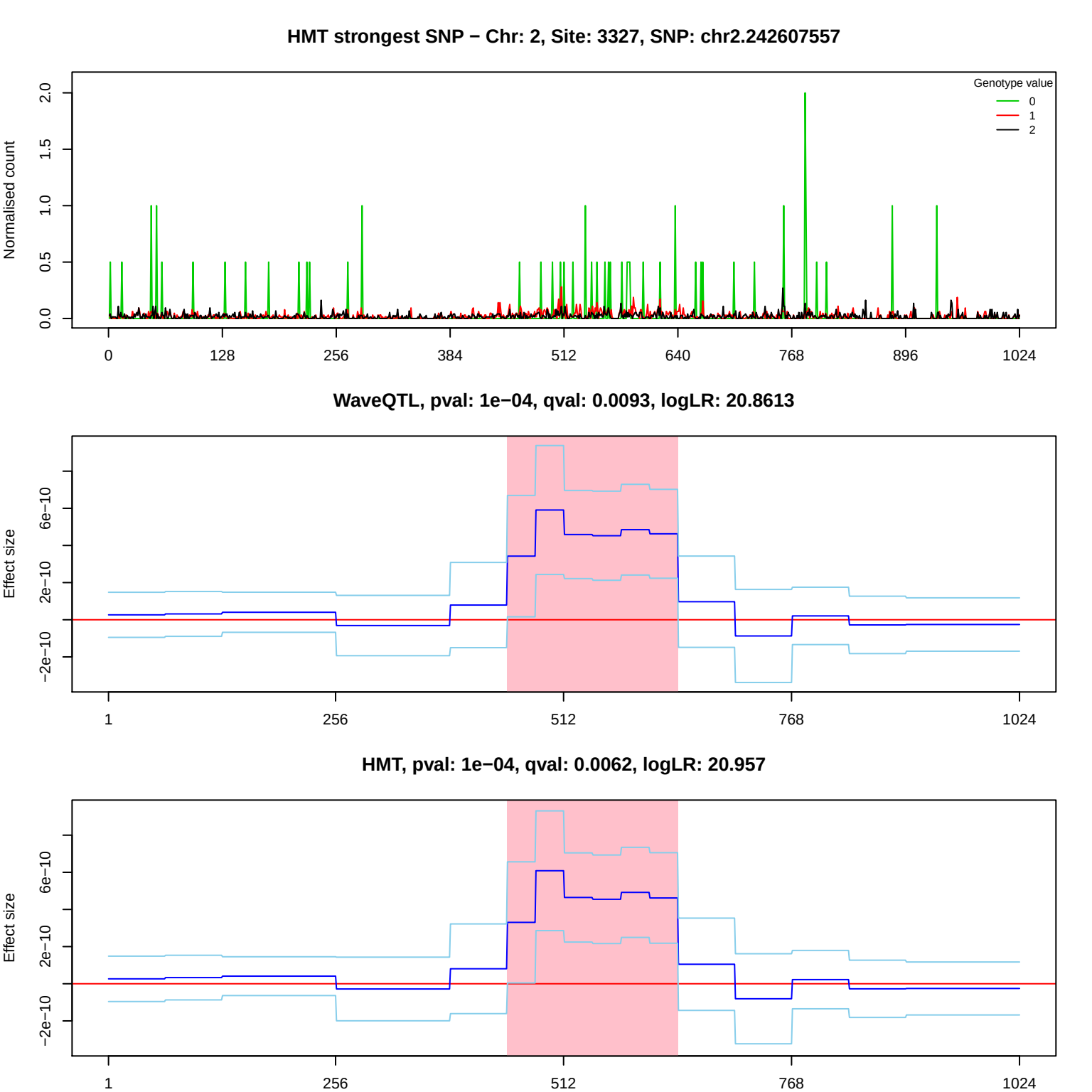

WaveQTL strongest SNP − Chr: 2, Site: 2796, SNP: chr2.indel.225532243
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
Genotype value
2
0
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 3e−04, qval: 0.0216, logLR: 10.3827
Effect size
−1e−09
−5e−10
0e+00
5e−10
1
256
512
768
1024
HMT, pval: 2e−04, qval: 0.0113, logLR: 10.7064
Effect size
−1e−09
−5e−10
0e+00
5e−10
1
256
512
768
1024

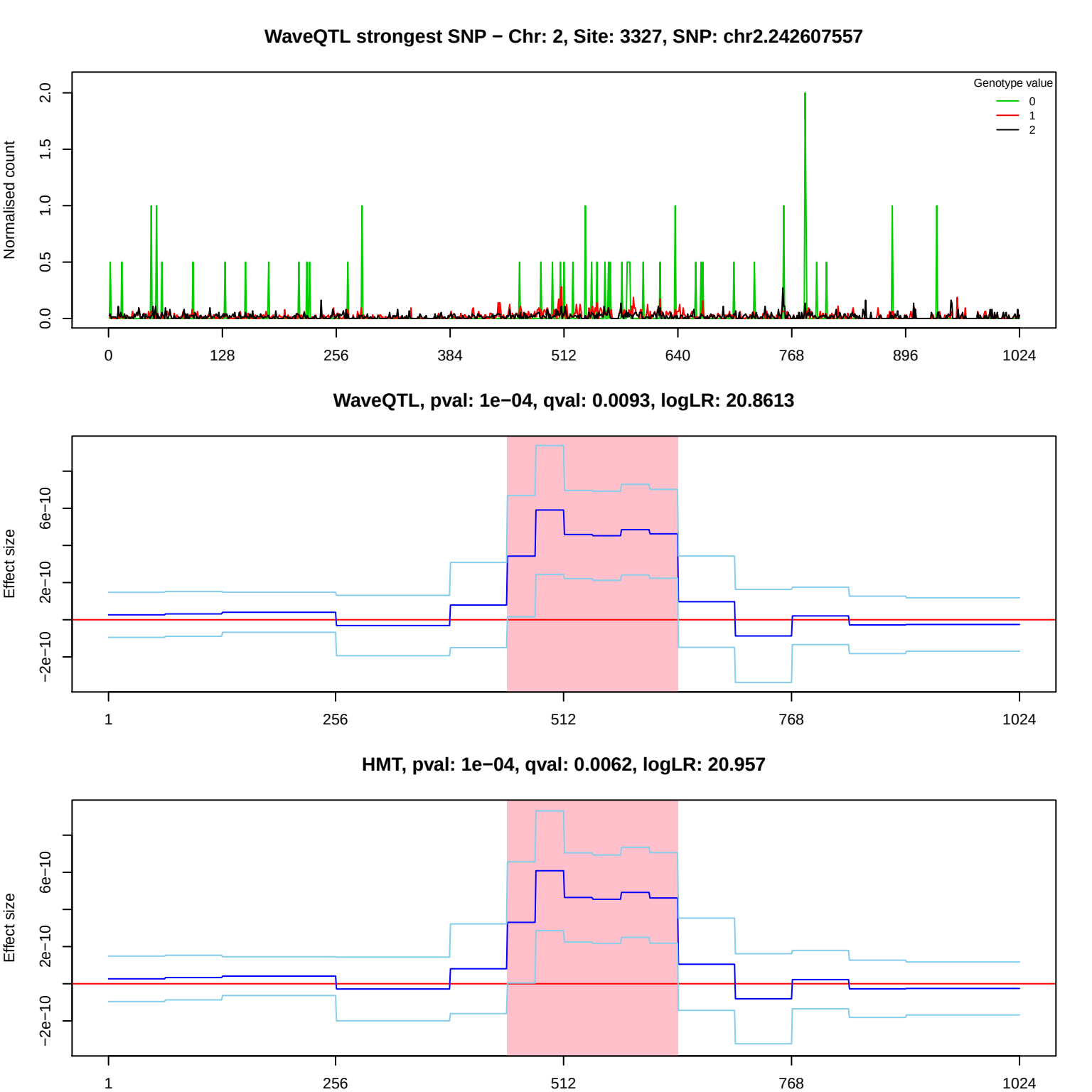

HMT strongest SNP − Chr: 2, Site: 2941, SNP: chr2.232130465
Normalised count
0.0
0.5
1.0
1.5
2.0
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 40.9611
Effect size
2e−09
−2e−09
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 41.62
Effect size
2e−09
−2e−09
1
256
512
768
1024

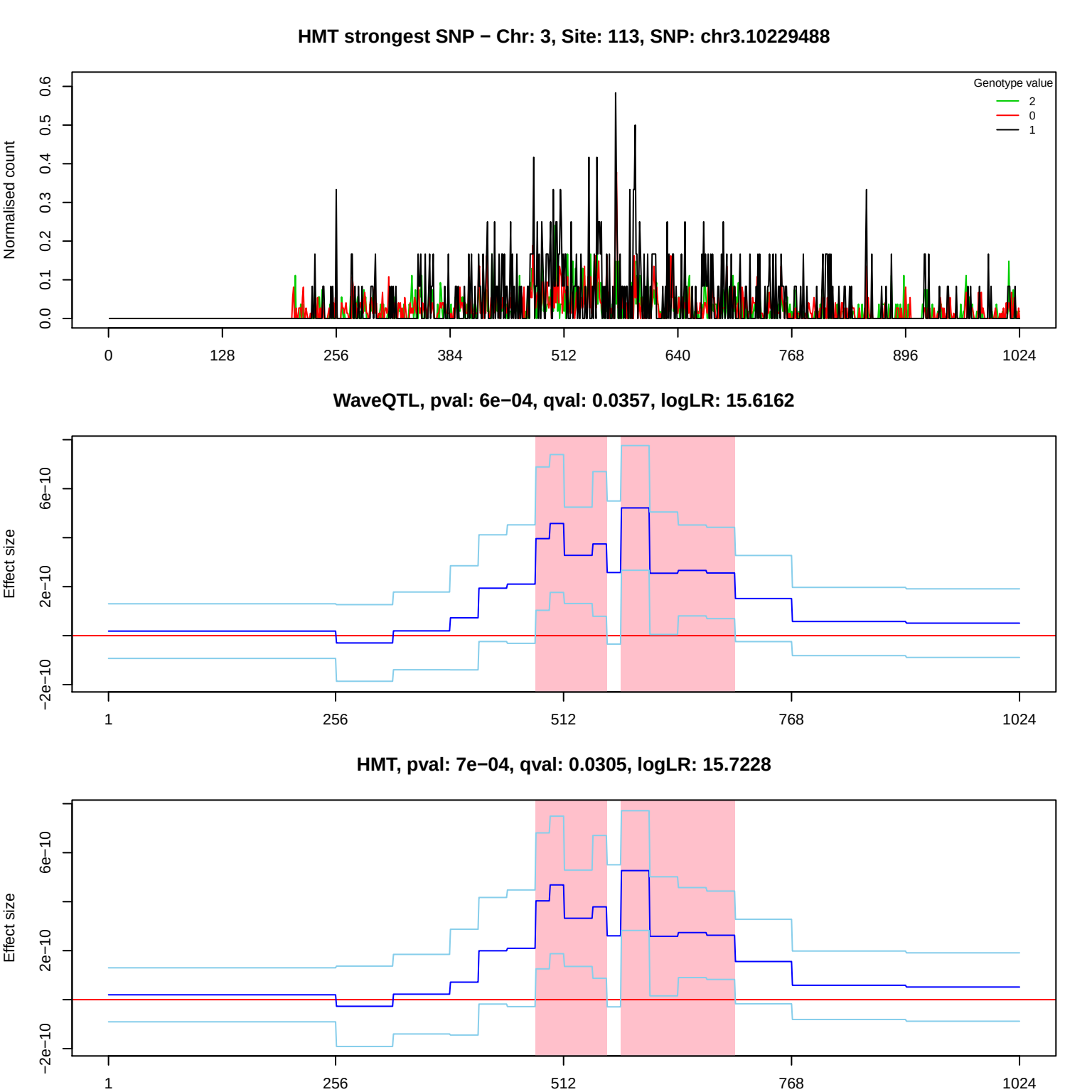

WaveQTL strongest SNP − Chr: 2, Site: 2941, SNP: chr2.232130465
Normalised count
0.0
0.5
1.0
1.5
2.0
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 40.9611
Effect size
2e−09
−2e−09
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 41.62
Effect size
2e−09
−2e−09
1
256
512
768
1024

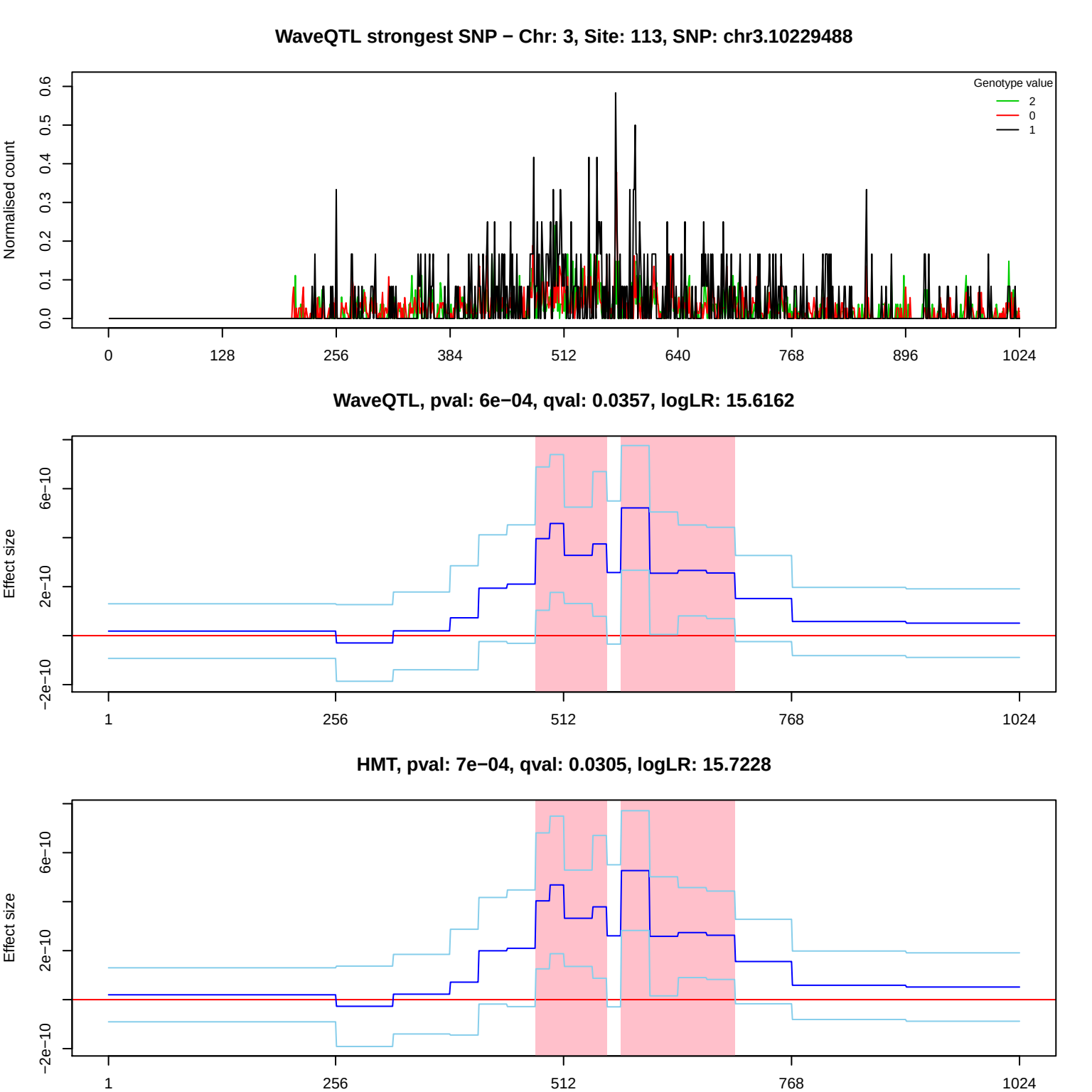

HMT strongest SNP − Chr: 2, Site: 3082, SNP: chr2.238104276
Normalised count
0.0
0.5
1.0
1.5
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 7e−04, qval: 0.0392, logLR: 10.6917
Effect size
−8e−10
−4e−10
0e+00
1
256
512
768
1024
HMT, pval: 8e−04, qval: 0.0333, logLR: 10.7487
Effect size
−8e−10
−4e−10
0e+00
1
256
512
768
1024

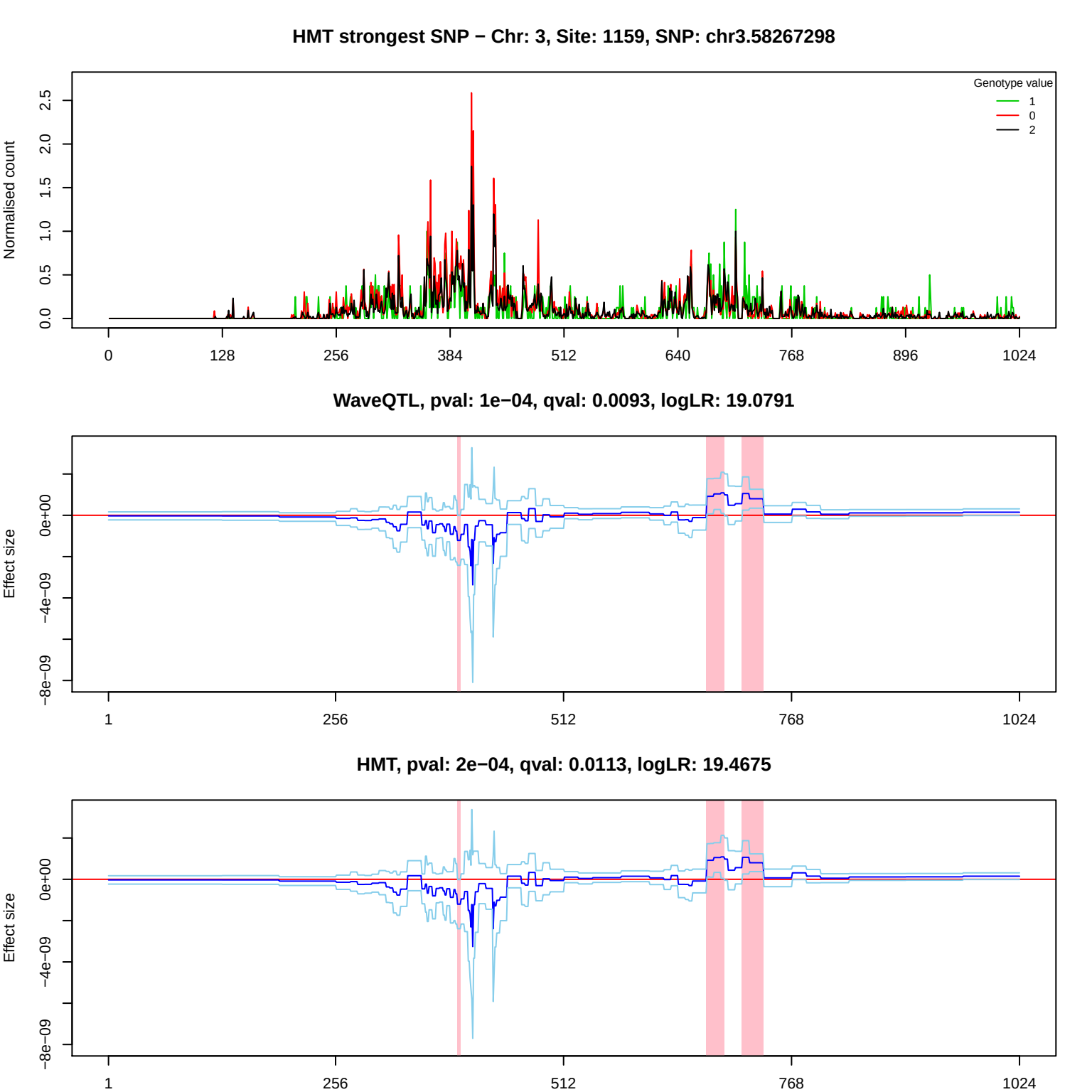

WaveQTL strongest SNP − Chr: 2, Site: 3082, SNP: chr2.238104276
Normalised count
0.0
0.5
1.0
1.5
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 7e−04, qval: 0.0392, logLR: 10.6917
Effect size
−8e−10
−4e−10
0e+00
1
256
512
768
1024
HMT, pval: 8e−04, qval: 0.0333, logLR: 10.7487
Effect size
−8e−10
−4e−10
0e+00
1
256
512
768
1024

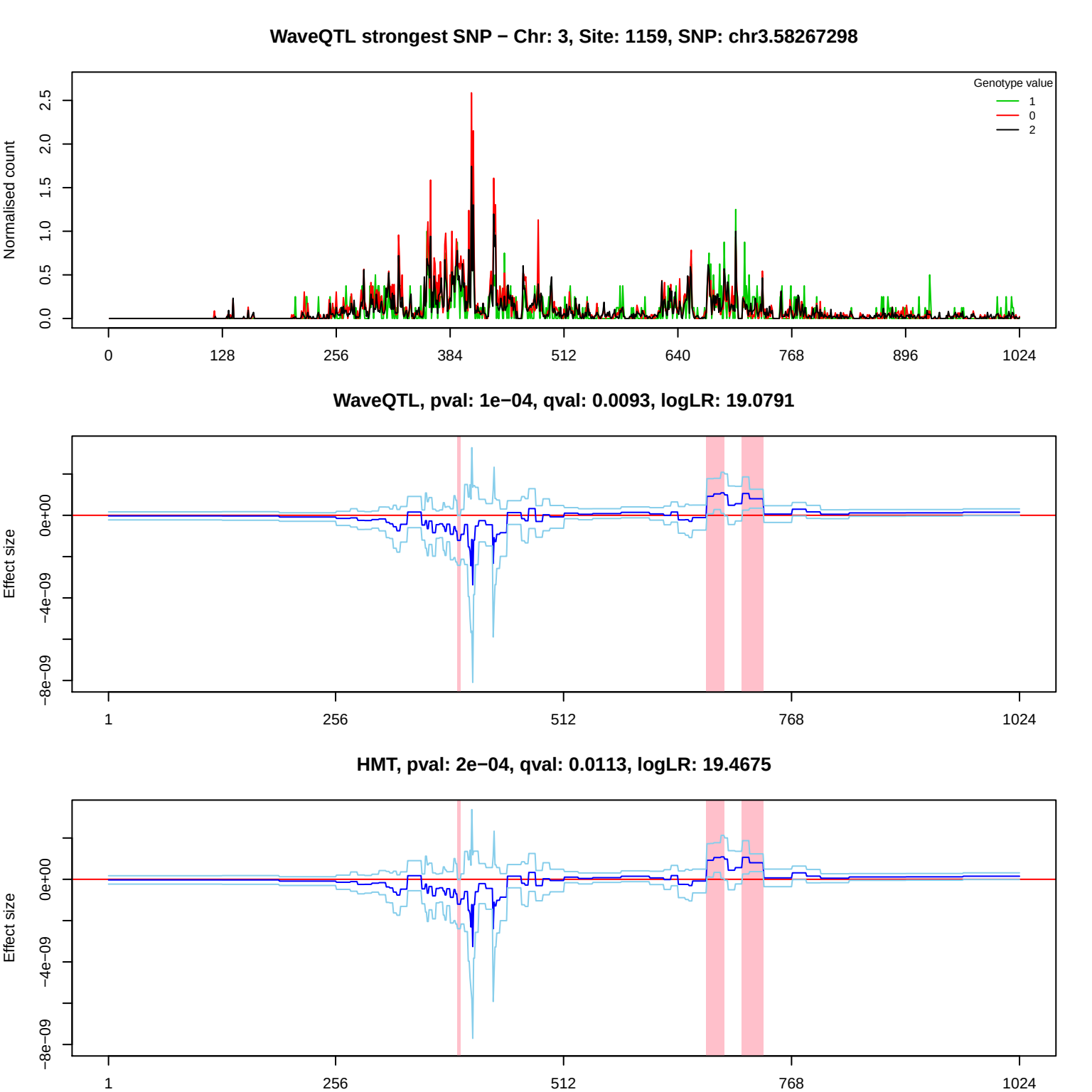

HMT strongest SNP − Chr: 2, Site: 3327, SNP: chr2.242607557
Normalised count
0.0
0.5
1.0
1.5
2.0
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 20.8613
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 20.957
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024

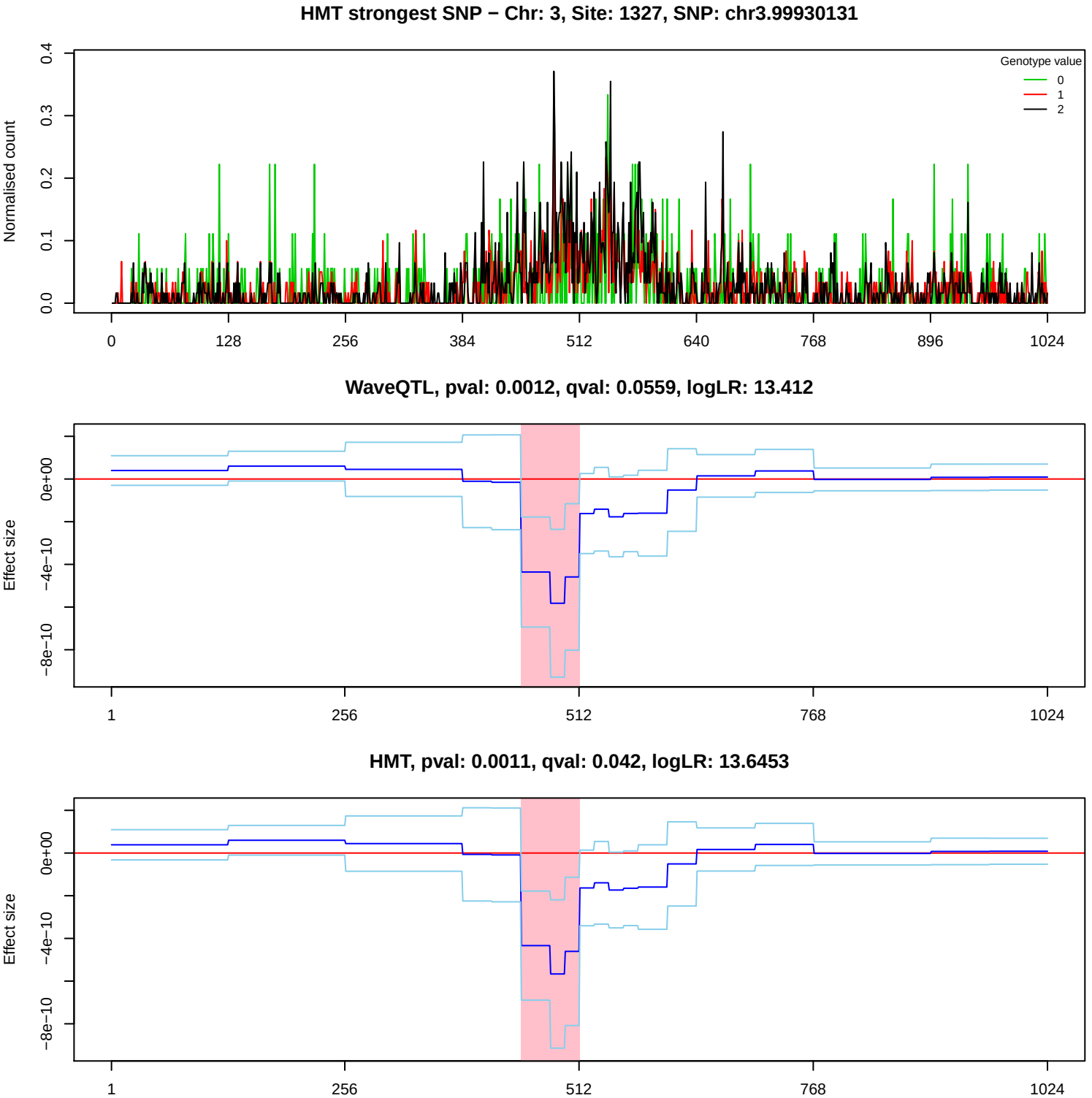

WaveQTL strongest SNP − Chr: 2, Site: 3327, SNP: chr2.242607557
Normalised count
0.0
0.5
1.0
1.5
2.0
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 20.8613
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 20.957
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024

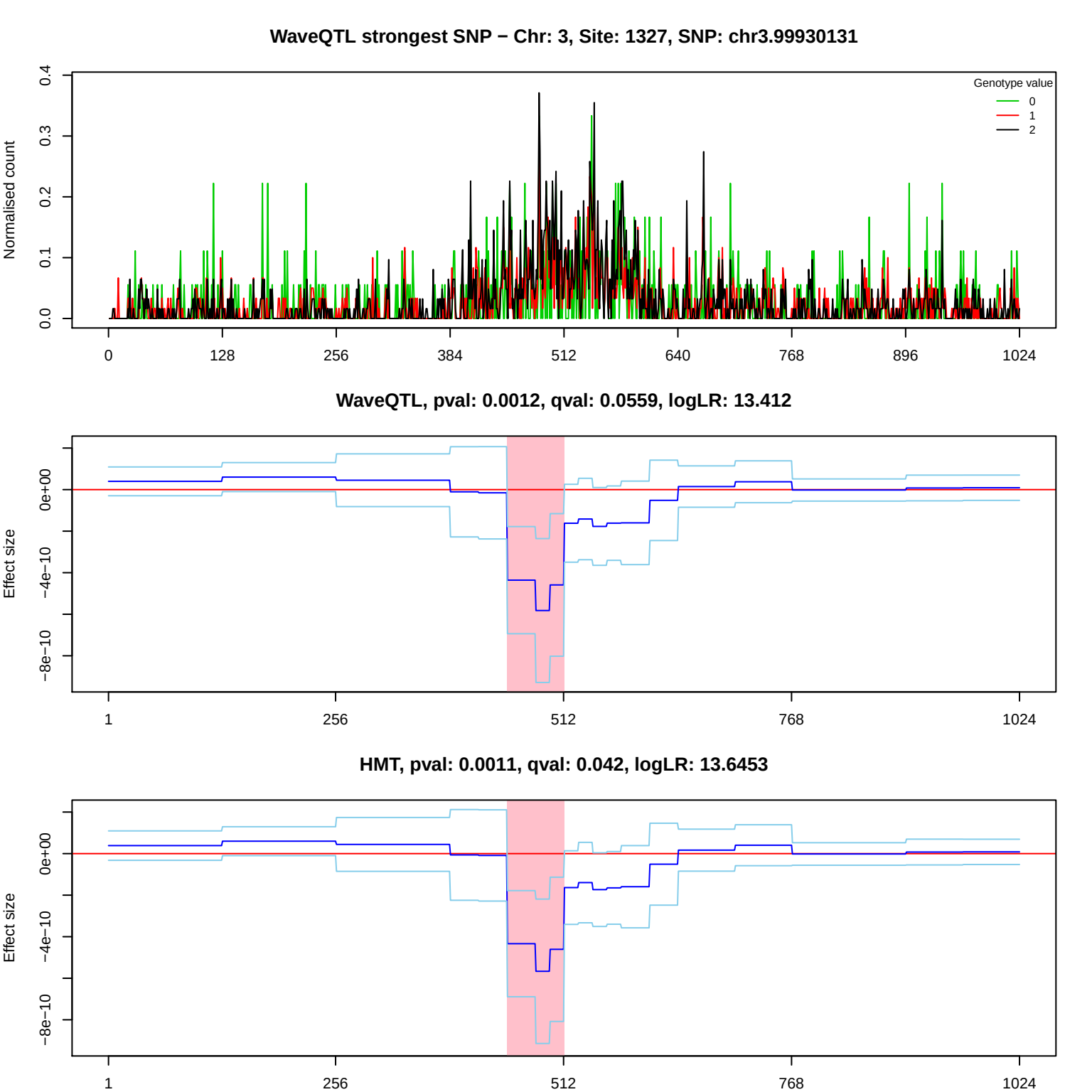

HMT strongest SNP − Chr: 3, Site: 113, SNP: chr3.10229488
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
Genotype value
2
0
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 6e−04, qval: 0.0357, logLR: 15.6162
Effect size
6e−10
2e−10
−2e−10
1
256
512
768
1024
HMT, pval: 7e−04, qval: 0.0305, logLR: 15.7228
Effect size
6e−10
2e−10
−2e−10
1
256
512
768
1024

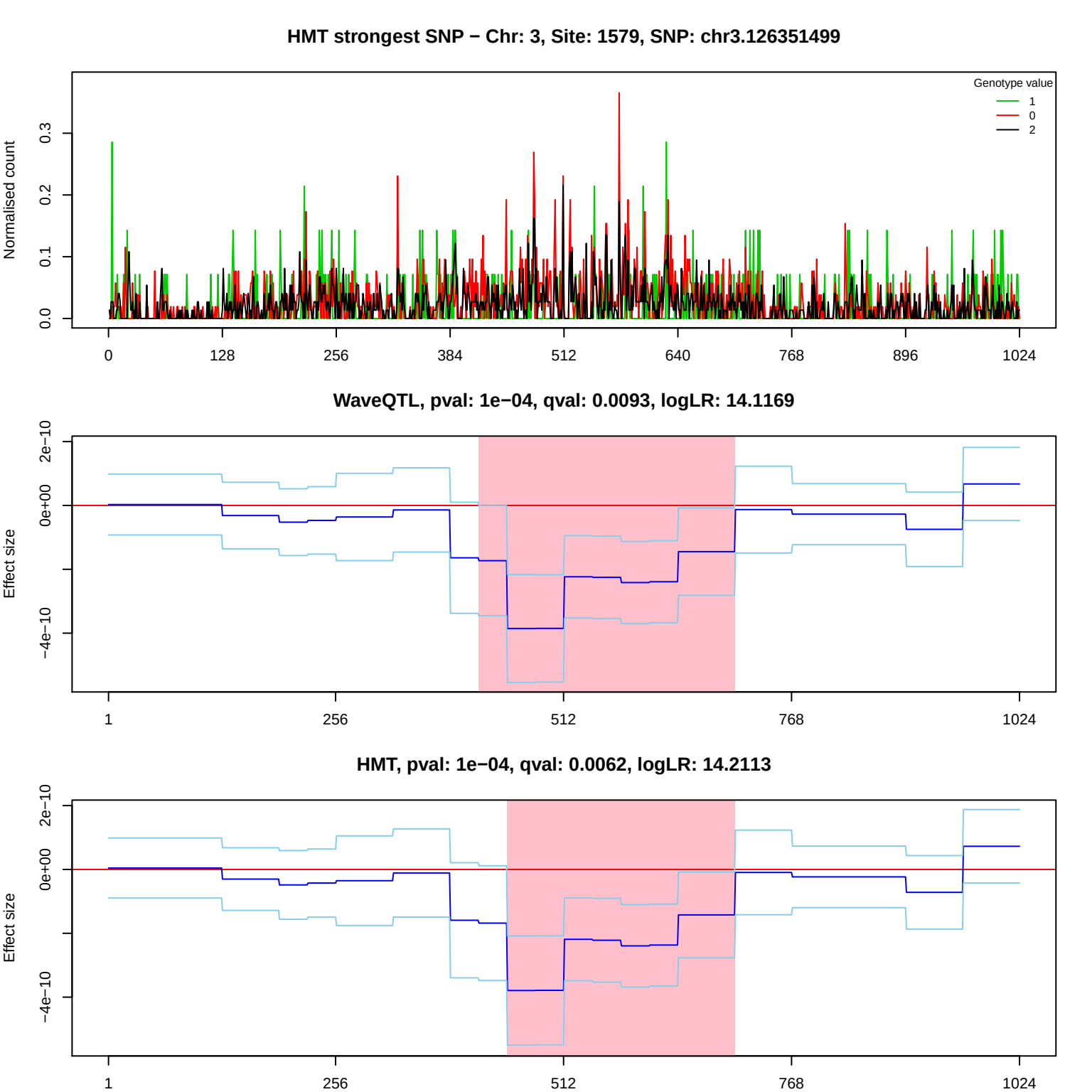

WaveQTL strongest SNP − Chr: 3, Site: 113, SNP: chr3.10229488
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
Genotype value
2
0
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 6e−04, qval: 0.0357, logLR: 15.6162
Effect size
6e−10
2e−10
−2e−10
1
256
512
768
1024
HMT, pval: 7e−04, qval: 0.0305, logLR: 15.7228
Effect size
6e−10
2e−10
−2e−10
1
256
512
768
1024

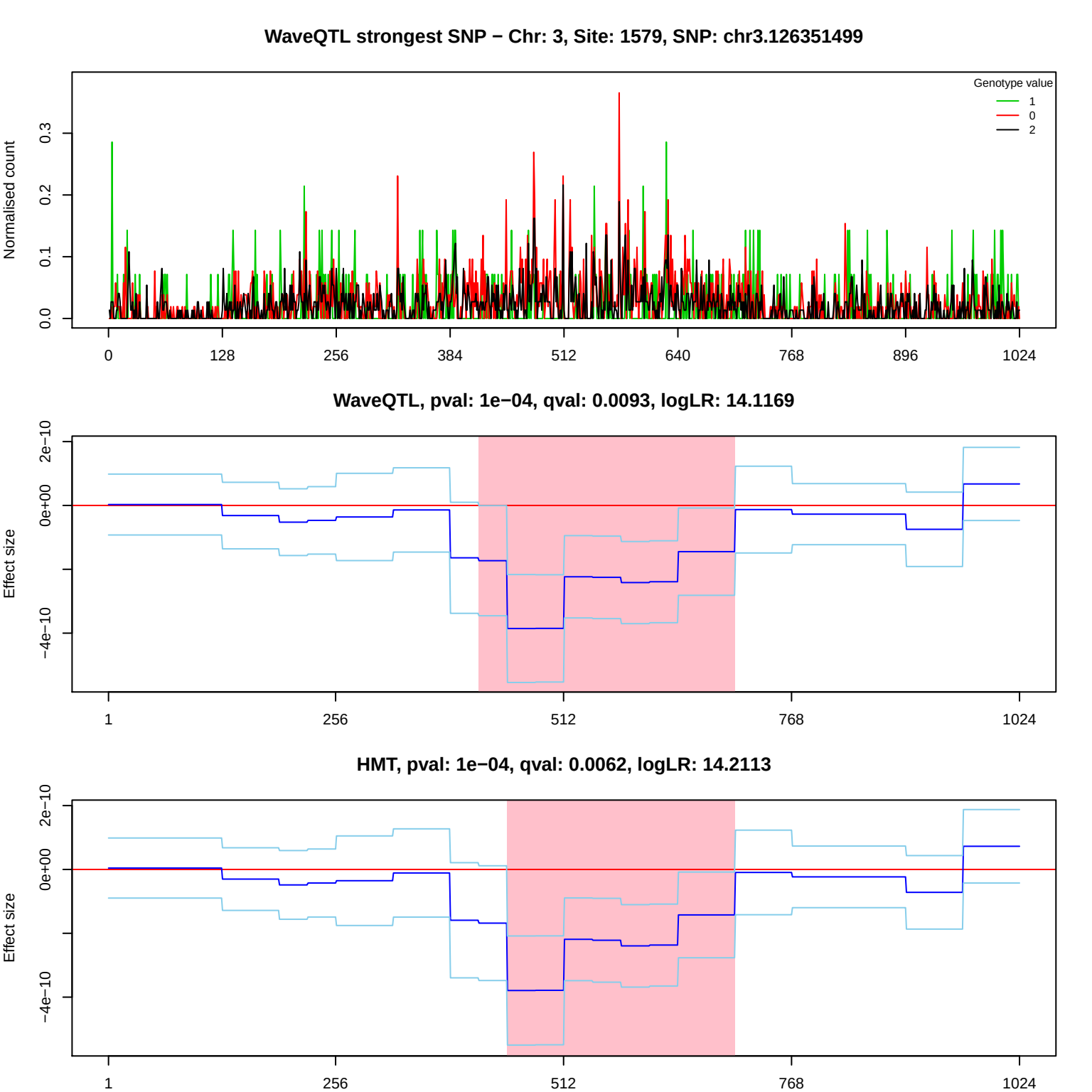

HMT strongest SNP − Chr: 3, Site: 1159, SNP: chr3.58267298
Genotype value
1
0
2
Normalised count
0.0
0.5
1.0
1.5
2.0
2.5
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 19.0791
Effect size
0e+00
−4e−09
−8e−09
1
256
512
768
1024
HMT, pval: 2e−04, qval: 0.0113, logLR: 19.4675
Effect size
0e+00
−4e−09
−8e−09
1
256
512
768
1024

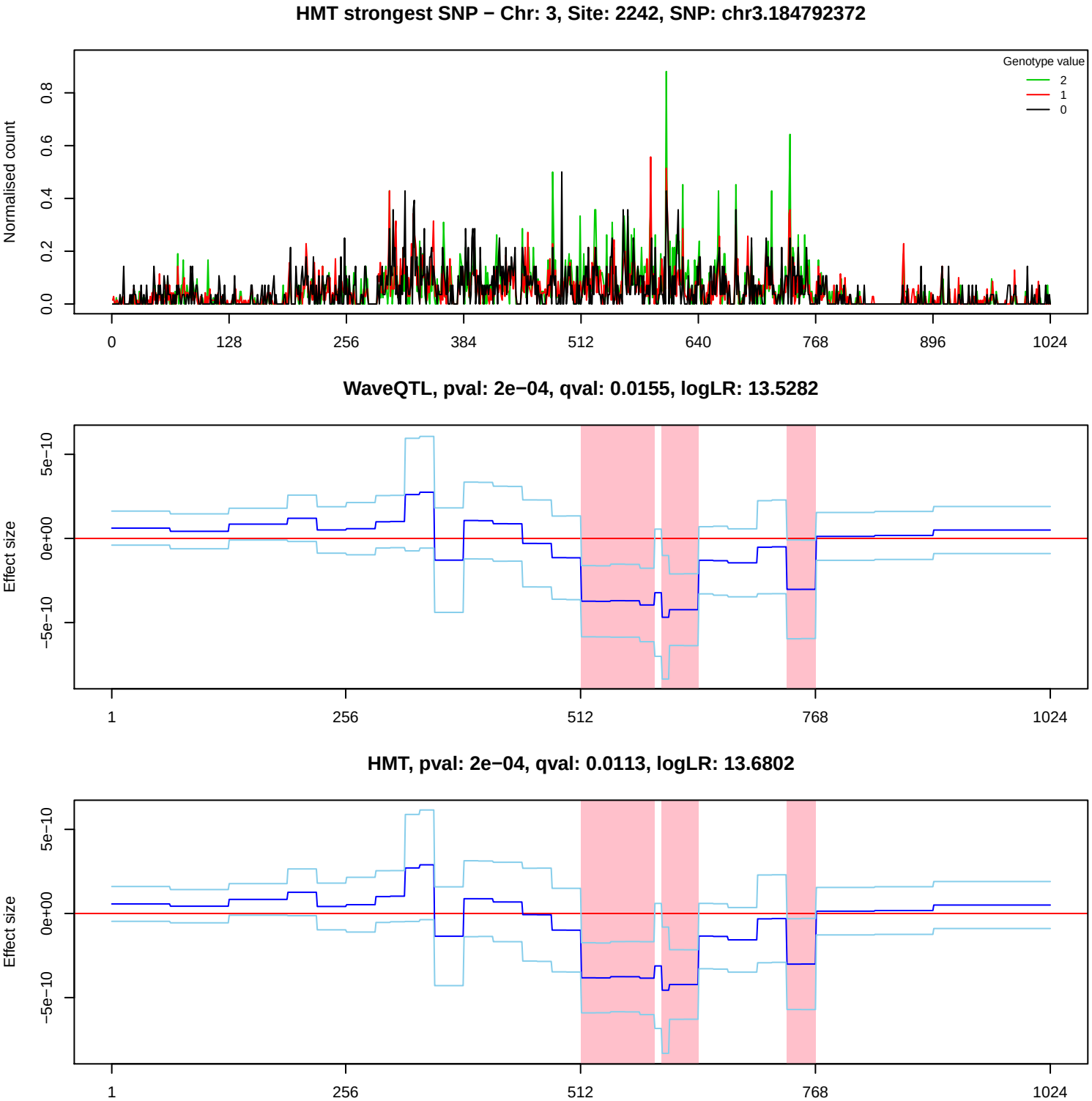

WaveQTL strongest SNP − Chr: 3, Site: 1159, SNP: chr3.58267298
Normalised count
Genotype value
1
0
2
0.0
0.5
1.0
1.5
2.0
2.5
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 19.0791
Effect size
0e+00
−4e−09
−8e−09
1
256
512
768
1024
HMT, pval: 2e−04, qval: 0.0113, logLR: 19.4675
Effect size
0e+00
−4e−09
−8e−09
1
256
512
768
1024

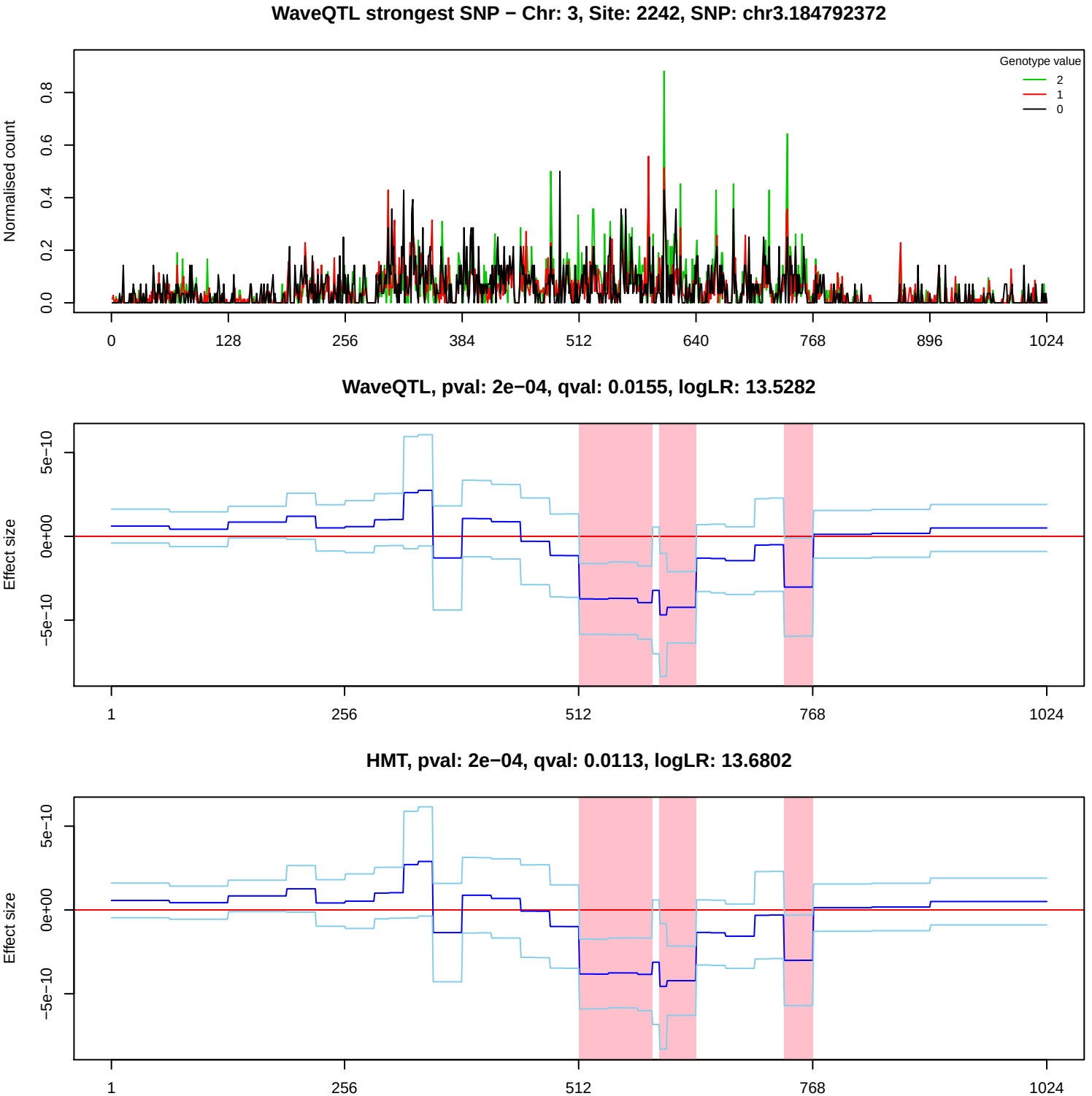

HMT strongest SNP − Chr: 3, Site: 1327, SNP: chr3.99930131
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 0.0012, qval: 0.0559, logLR: 13.412
Effect size
0e+00
−4e−10
−8e−10
1
256
512
768
1024
HMT, pval: 0.0011, qval: 0.042, logLR: 13.6453
Effect size
0e+00
−4e−10
−8e−10
1
256
512
768
1024

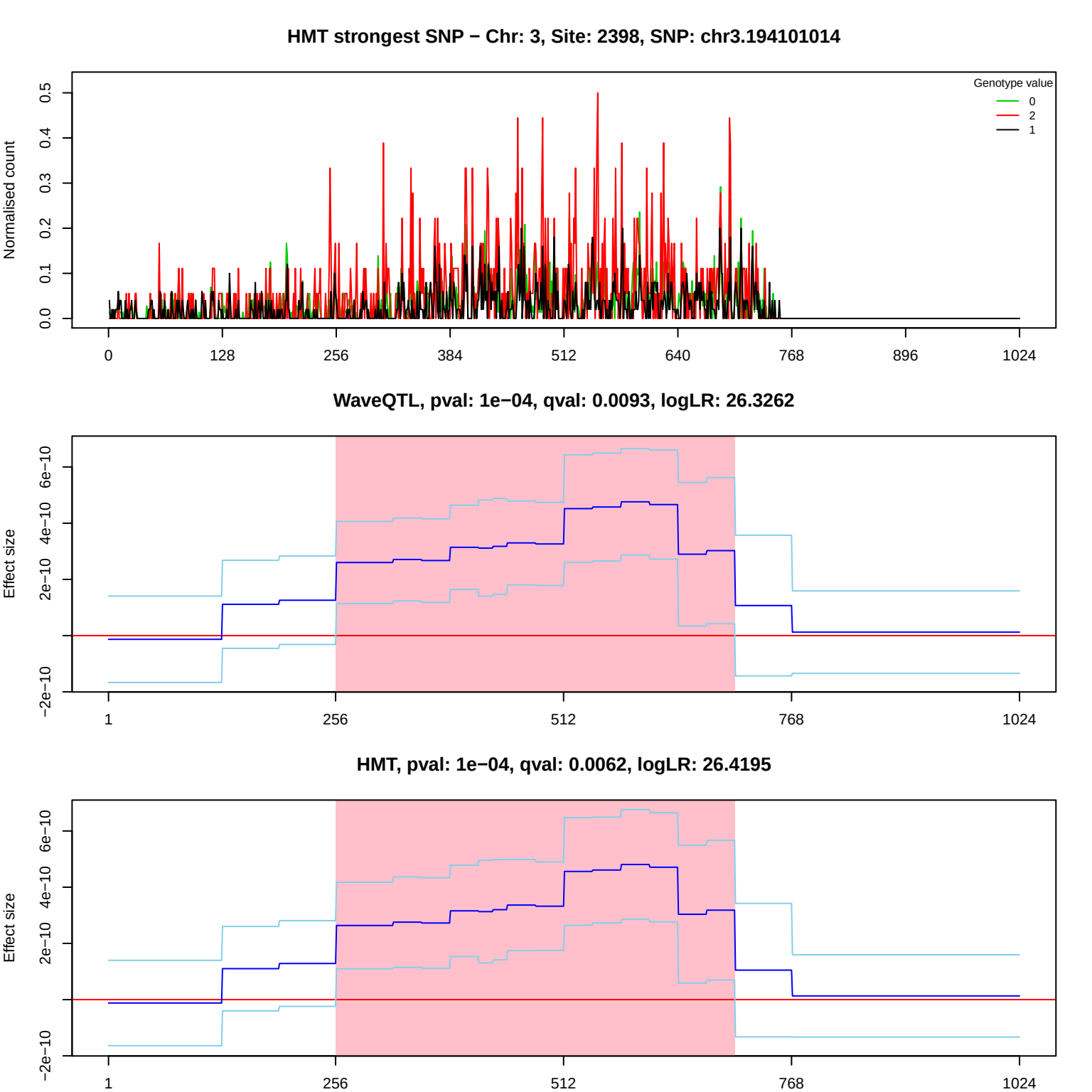

WaveQTL strongest SNP − Chr: 3, Site: 1327, SNP: chr3.99930131
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 0.0012, qval: 0.0559, logLR: 13.412
Effect size
−8e−10
−4e−10
0e+00
1
256
512
768
1024
HMT, pval: 0.0011, qval: 0.042, logLR: 13.6453
Effect size
−8e−10
−4e−10
0e+00
1
256
512
768
1024

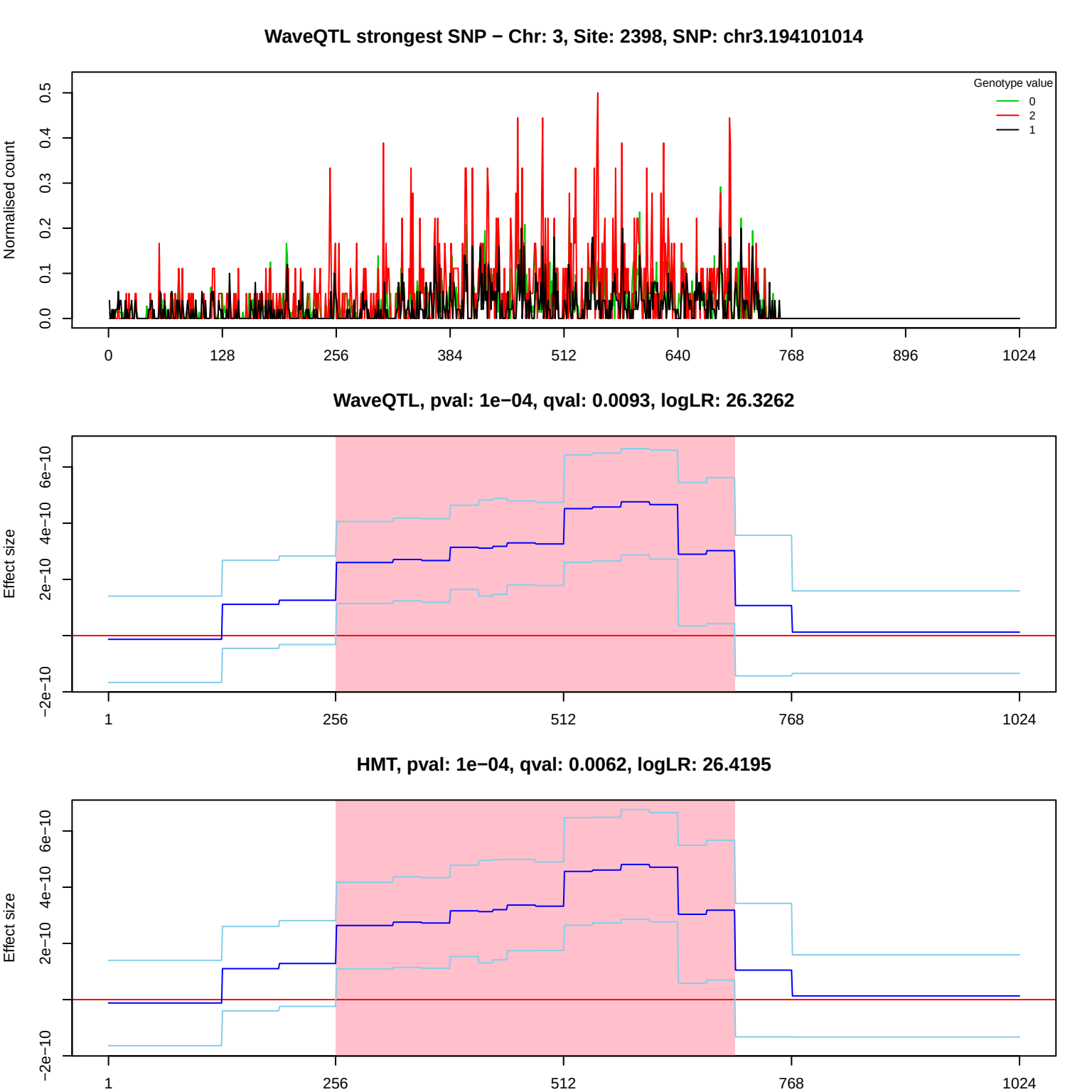

HMT strongest SNP − Chr: 3, Site: 1579, SNP: chr3.126351499
Genotype value
1
0
2
Normalised count
0.0
0.1
0.2
0.3
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 14.1169
Effect size
2e−10
0e+00
−4e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 14.2113
Effect size
2e−10
0e+00
−4e−10
1
256
512
768
1024

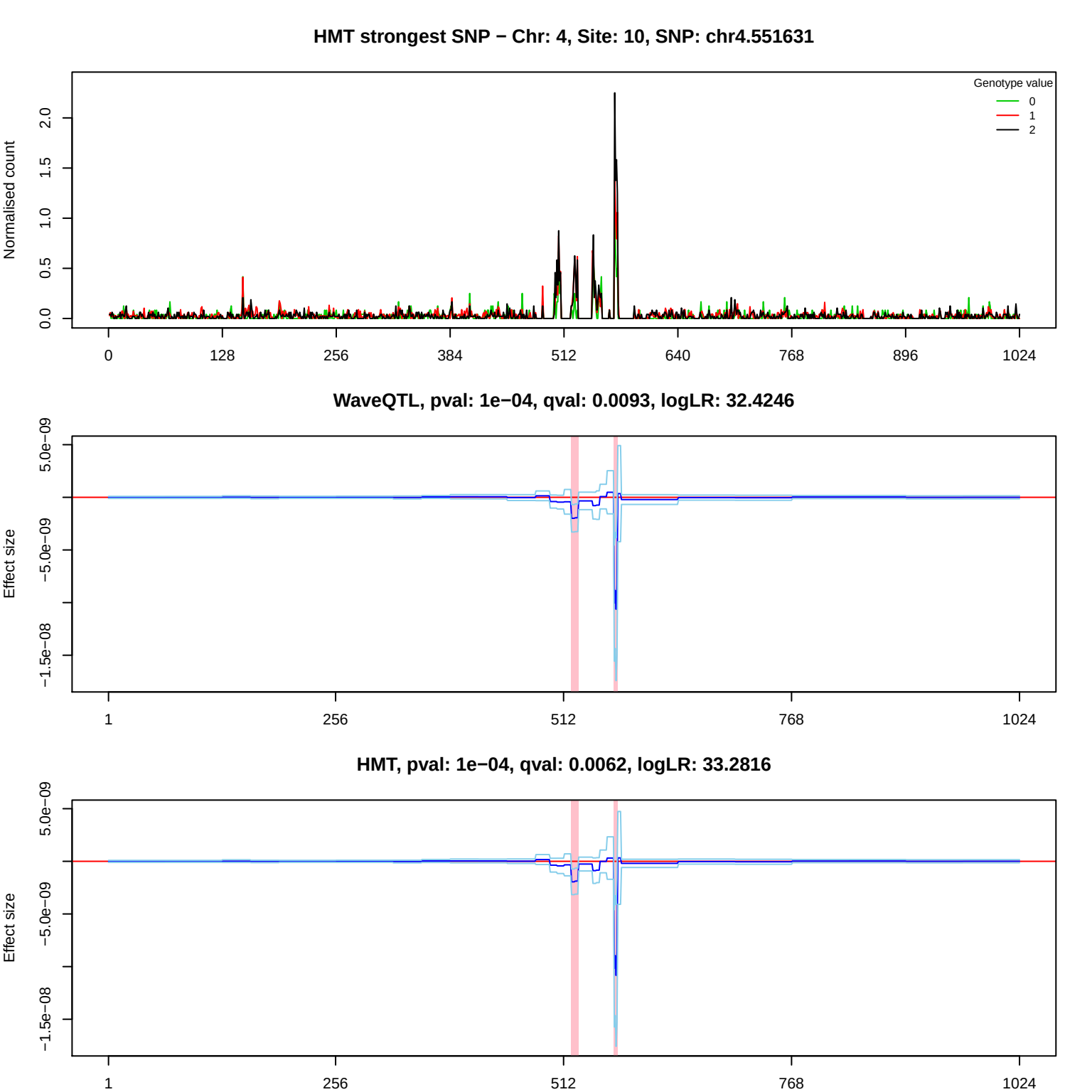

WaveQTL strongest SNP − Chr: 3, Site: 1579, SNP: chr3.126351499
Genotype value
1
0
2
Normalised count
0.0
0.1
0.2
0.3
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 14.1169
Effect size
2e−10
0e+00
−4e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 14.2113
Effect size
2e−10
0e+00
−4e−10
1
256
512
768
1024

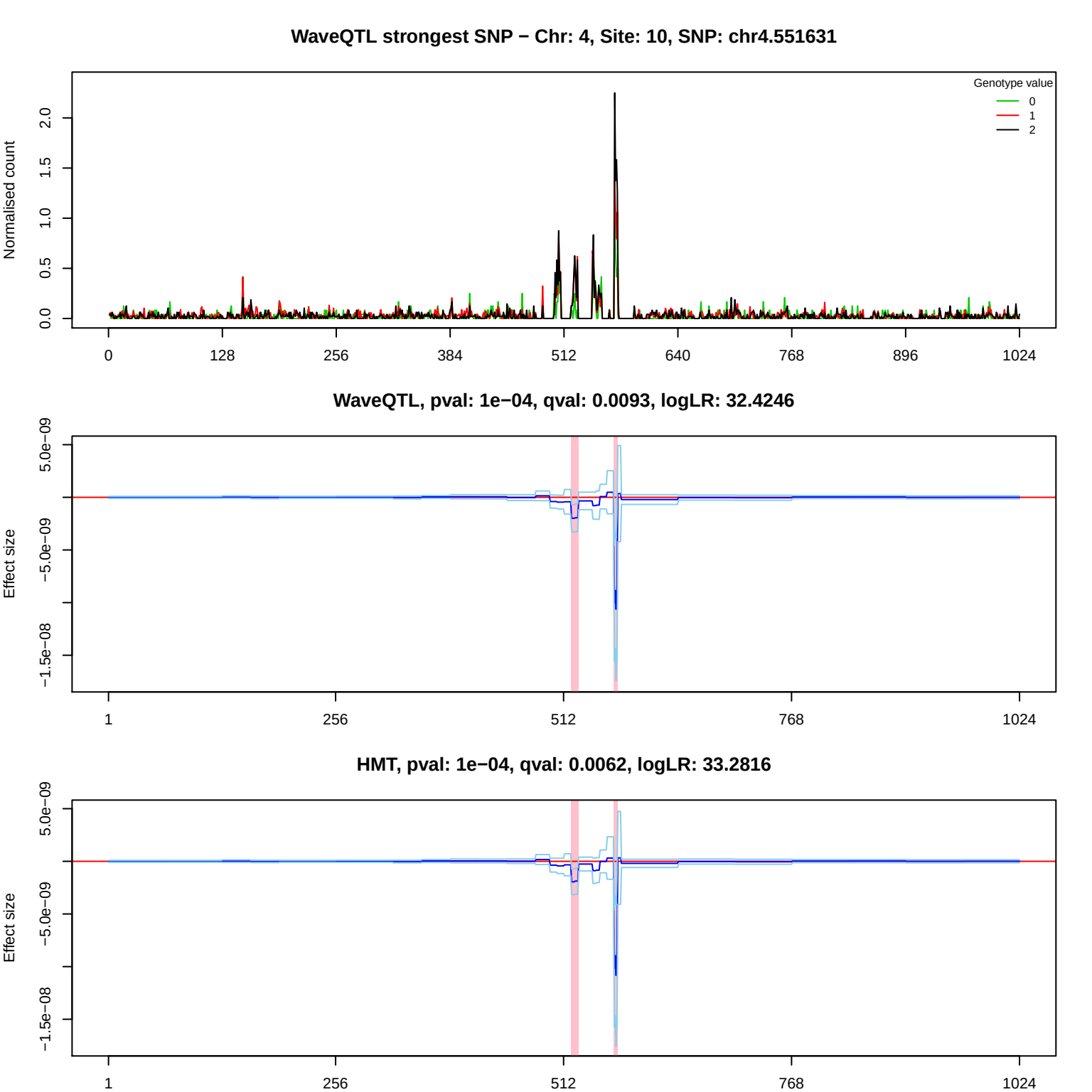

HMT strongest SNP − Chr: 3, Site: 2242, SNP: chr3.184792372
Genotype value
2
1
0
Normalised count
0.0
0.2
0.4
0.6
0.8
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 2e−04, qval: 0.0155, logLR: 13.5282
Effect size
5e−10
0e+00
−5e−10
1
256
512
768
1024
HMT, pval: 2e−04, qval: 0.0113, logLR: 13.6802
Effect size
5e−10
0e+00
−5e−10
1
256
512
768
1024

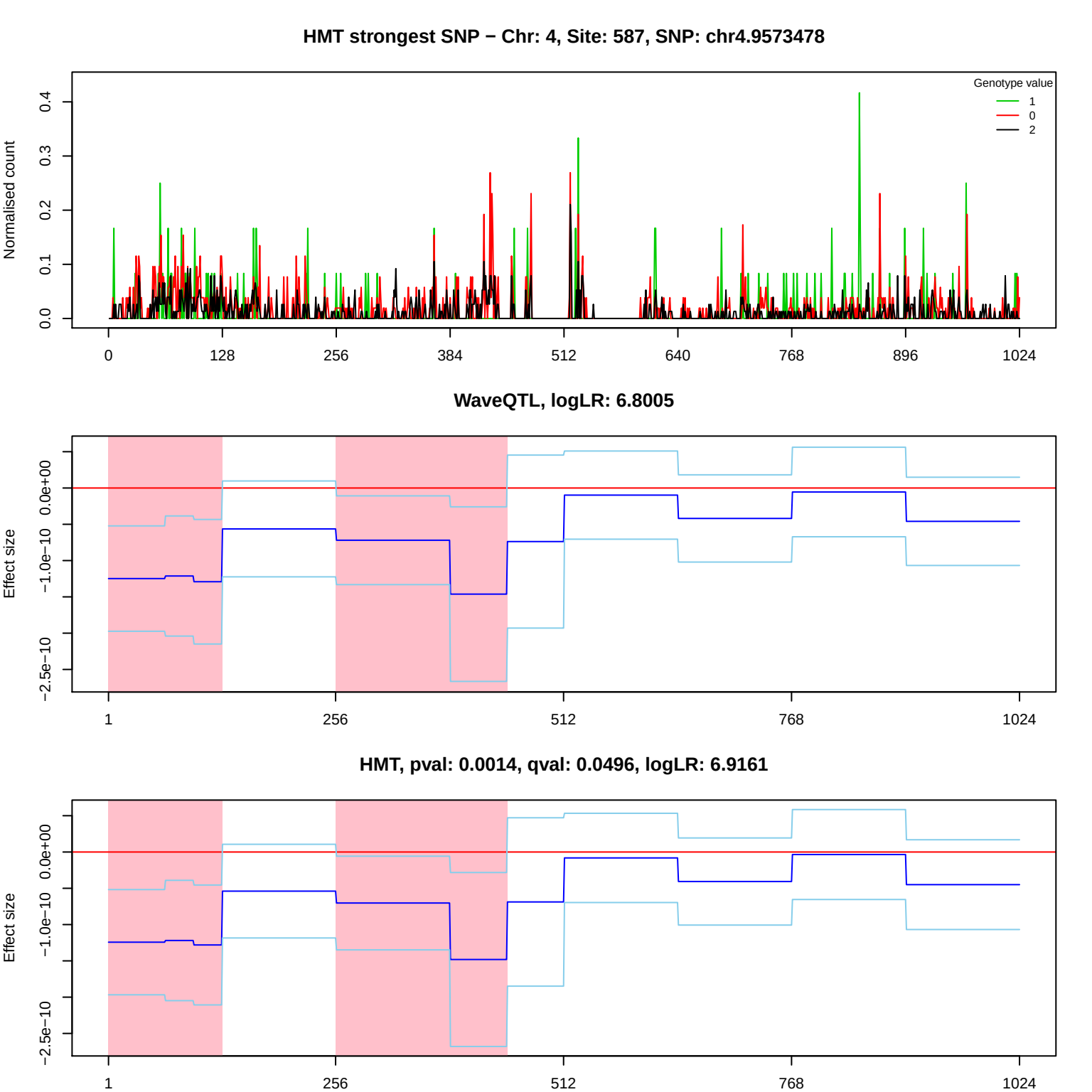

WaveQTL strongest SNP − Chr: 3, Site: 2242, SNP: chr3.184792372
Genotype value
2
1
0
Normalised count
0.0
0.2
0.4
0.6
0.8
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 2e−04, qval: 0.0155, logLR: 13.5282
Effect size
5e−10
0e+00
−5e−10
1
256
512
768
1024
HMT, pval: 2e−04, qval: 0.0113, logLR: 13.6802
Effect size
5e−10
0e+00
−5e−10
1
256
512
768
1024

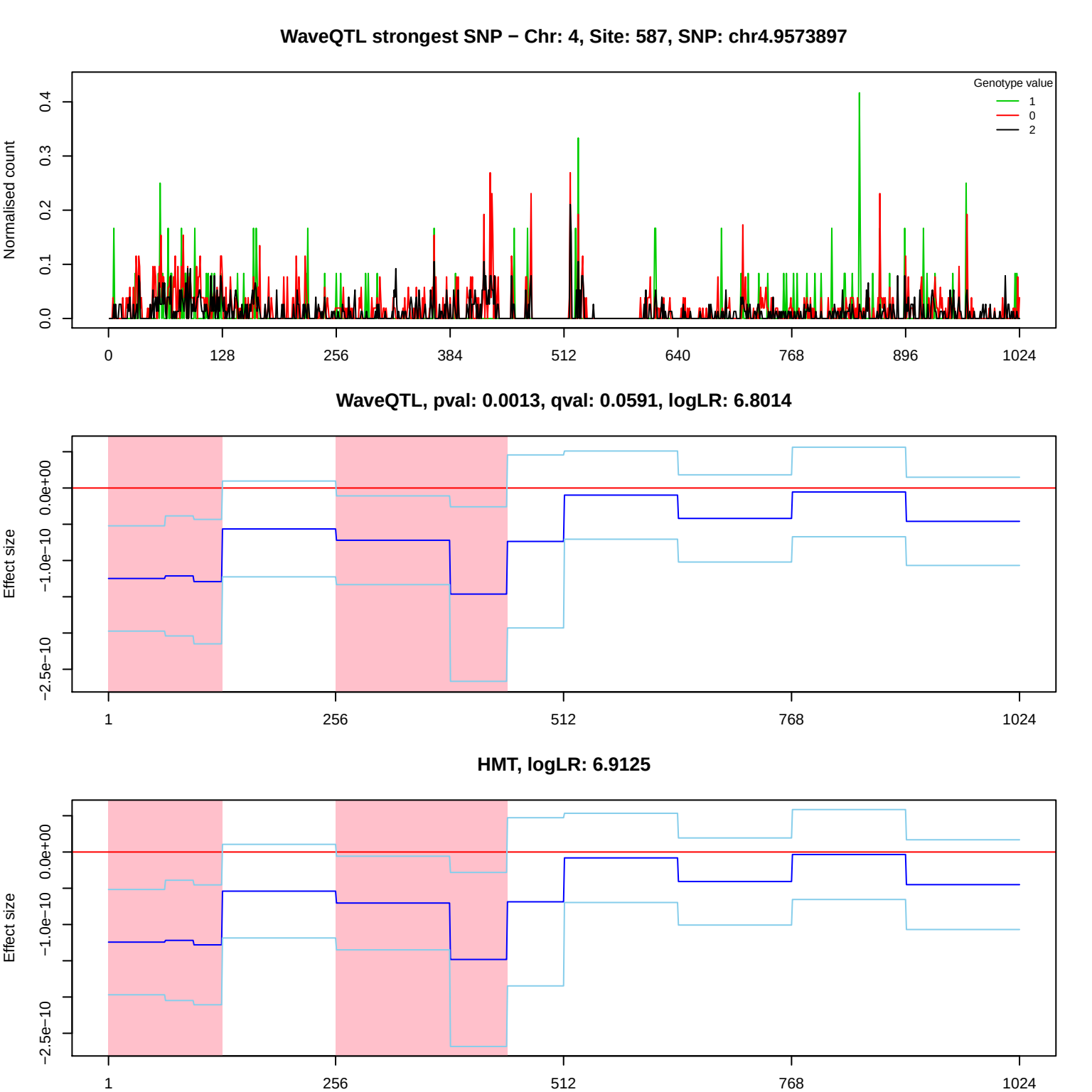

HMT strongest SNP − Chr: 3, Site: 2398, SNP: chr3.194101014
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 26.3262
Effect size
−2e−10
2e−10
4e−10
6e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 26.4195
Effect size
−2e−10
2e−10
4e−10
6e−10
1
256
512
768
1024

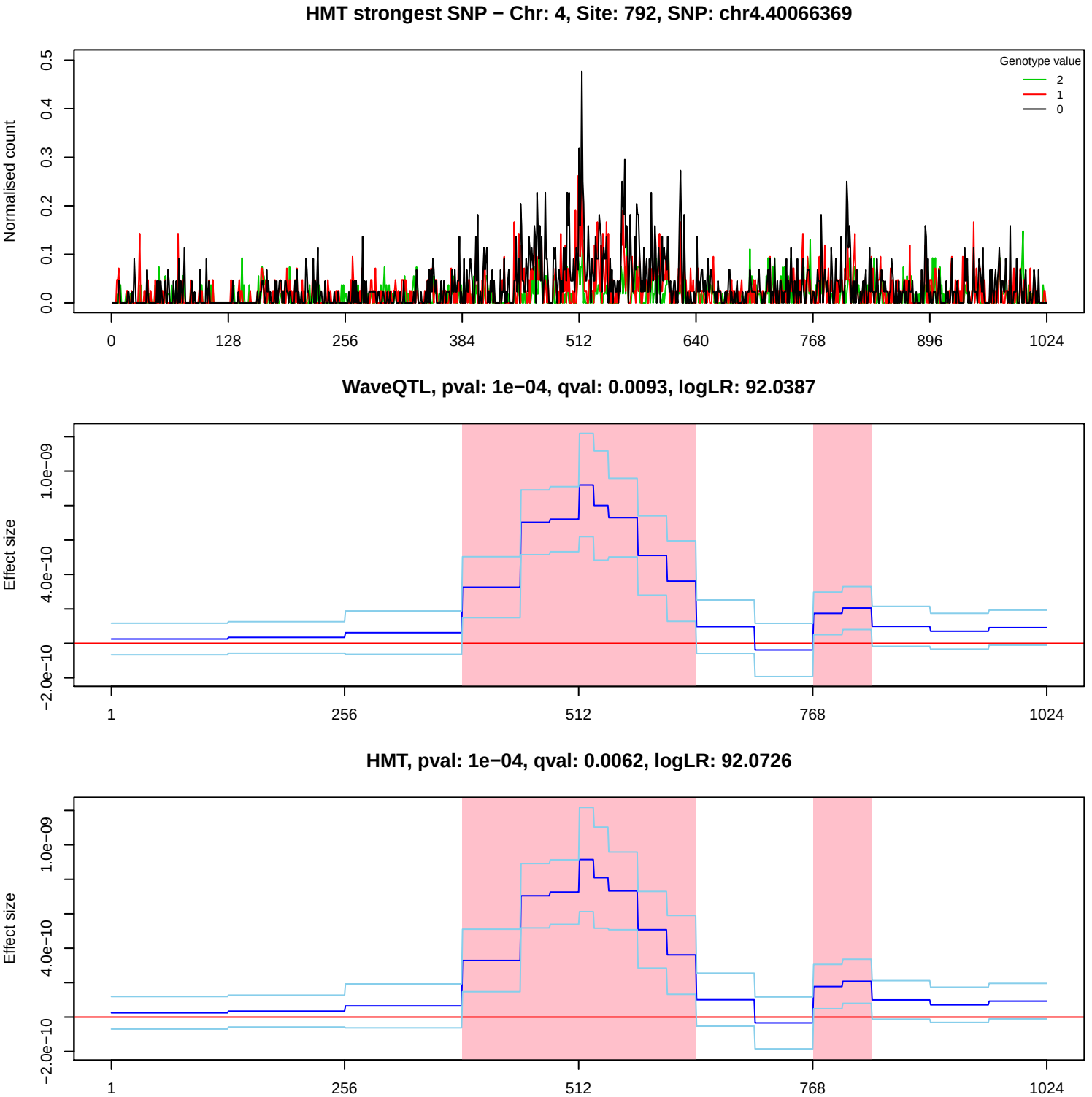

WaveQTL strongest SNP − Chr: 3, Site: 2398, SNP: chr3.194101014
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 26.3262
Effect size
−2e−10
2e−10
4e−10
6e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 26.4195
Effect size
−2e−10
2e−10
4e−10
6e−10
1
256
512
768
1024

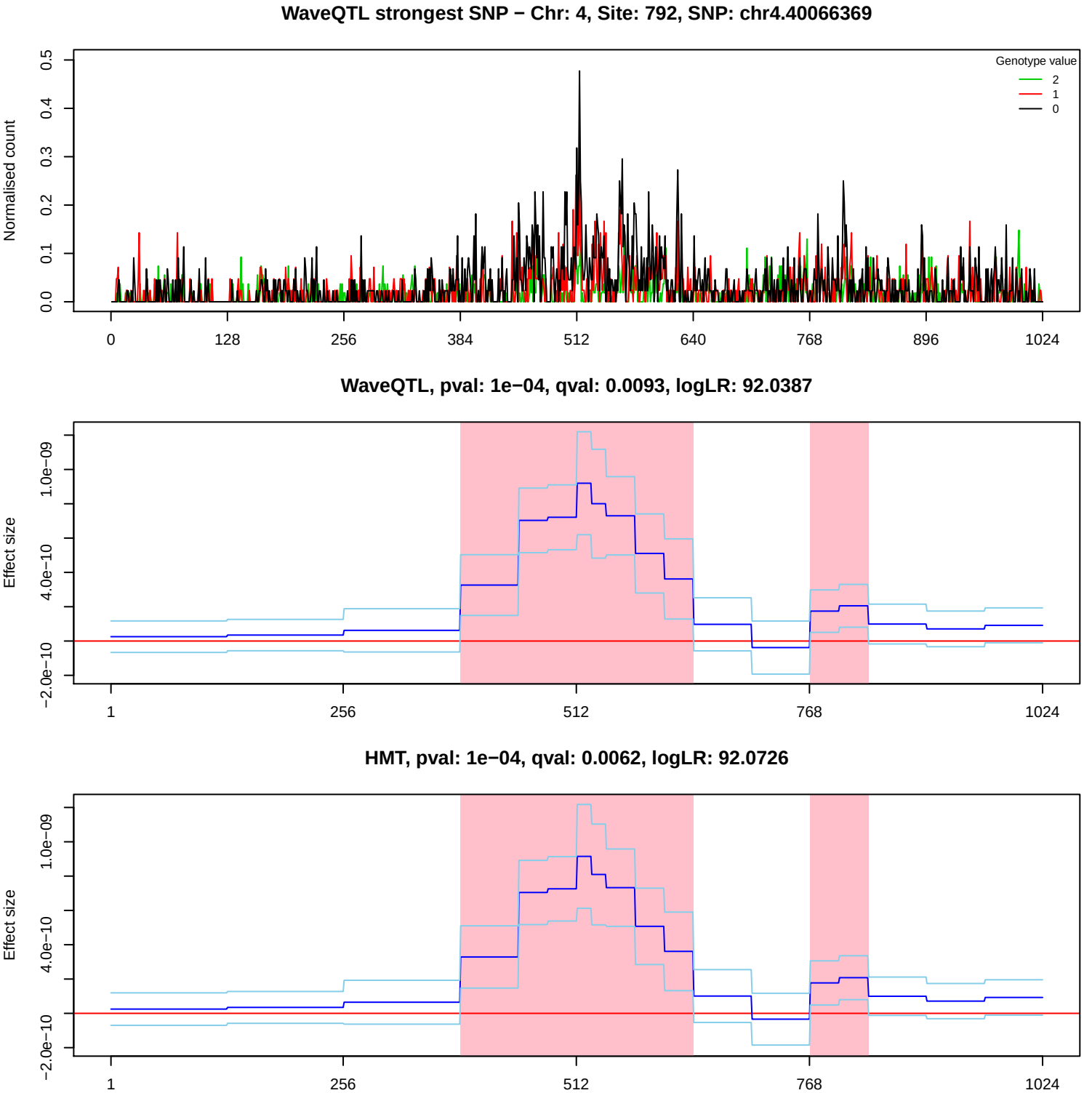

HMT strongest SNP − Chr: 4, Site: 10, SNP: chr4.551631
Genotype value
0
1
2
Normalised count
0.0
0.5
1.0
1.5
2.0
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 32.4246
Effect size
5.0e−09
−5.0e−09
−1.5e−08
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 33.2816
Effect size
5.0e−09
−5.0e−09
−1.5e−08
1
256
512
768
1024

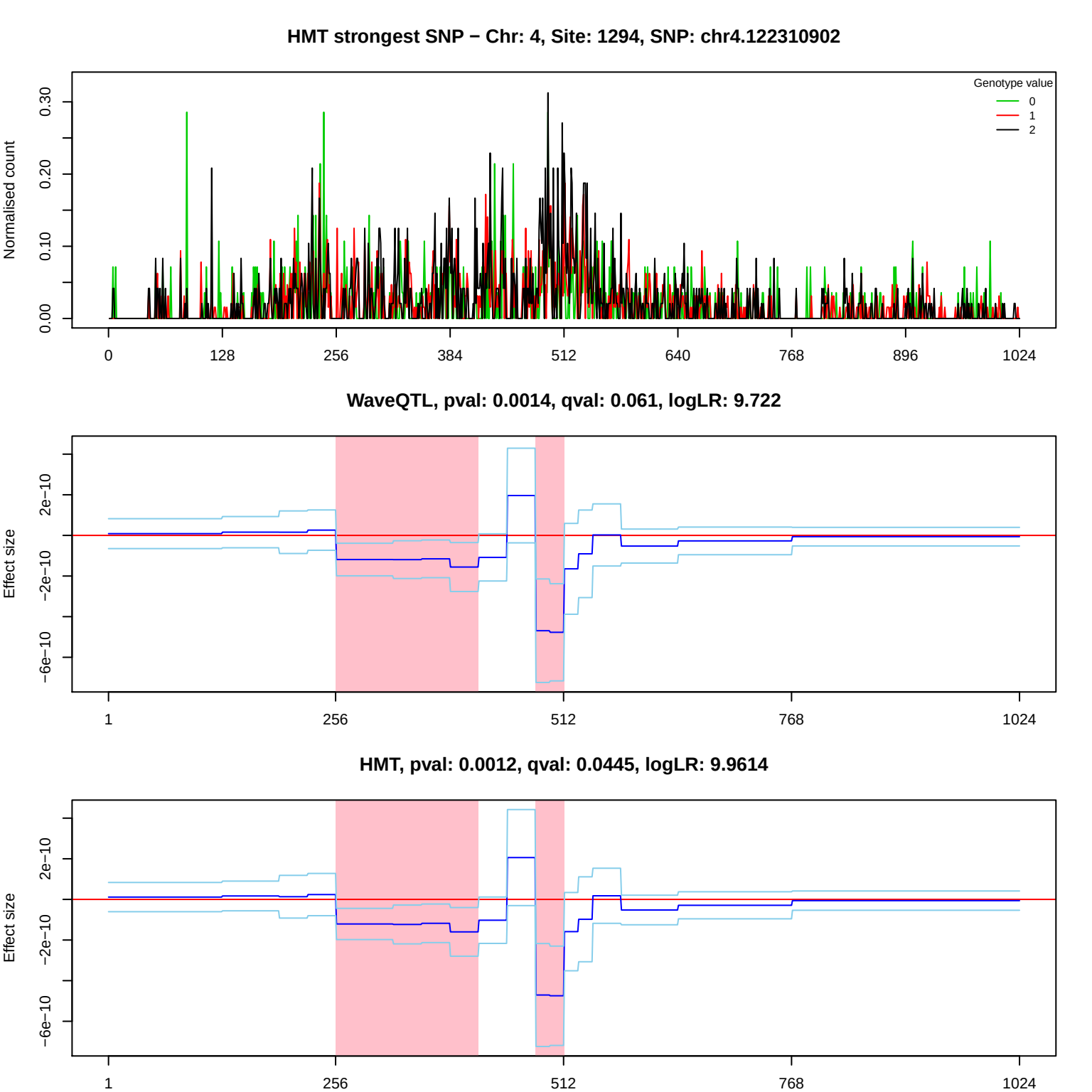

WaveQTL strongest SNP − Chr: 4, Site: 10, SNP: chr4.551631
Genotype value
0
1
2
Normalised count
0.0
0.5
1.0
1.5
2.0
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 32.4246
Effect size
5.0e−09
−5.0e−09
−1.5e−08
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 33.2816
Effect size
5.0e−09
−5.0e−09
−1.5e−08
1
256
512
768
1024

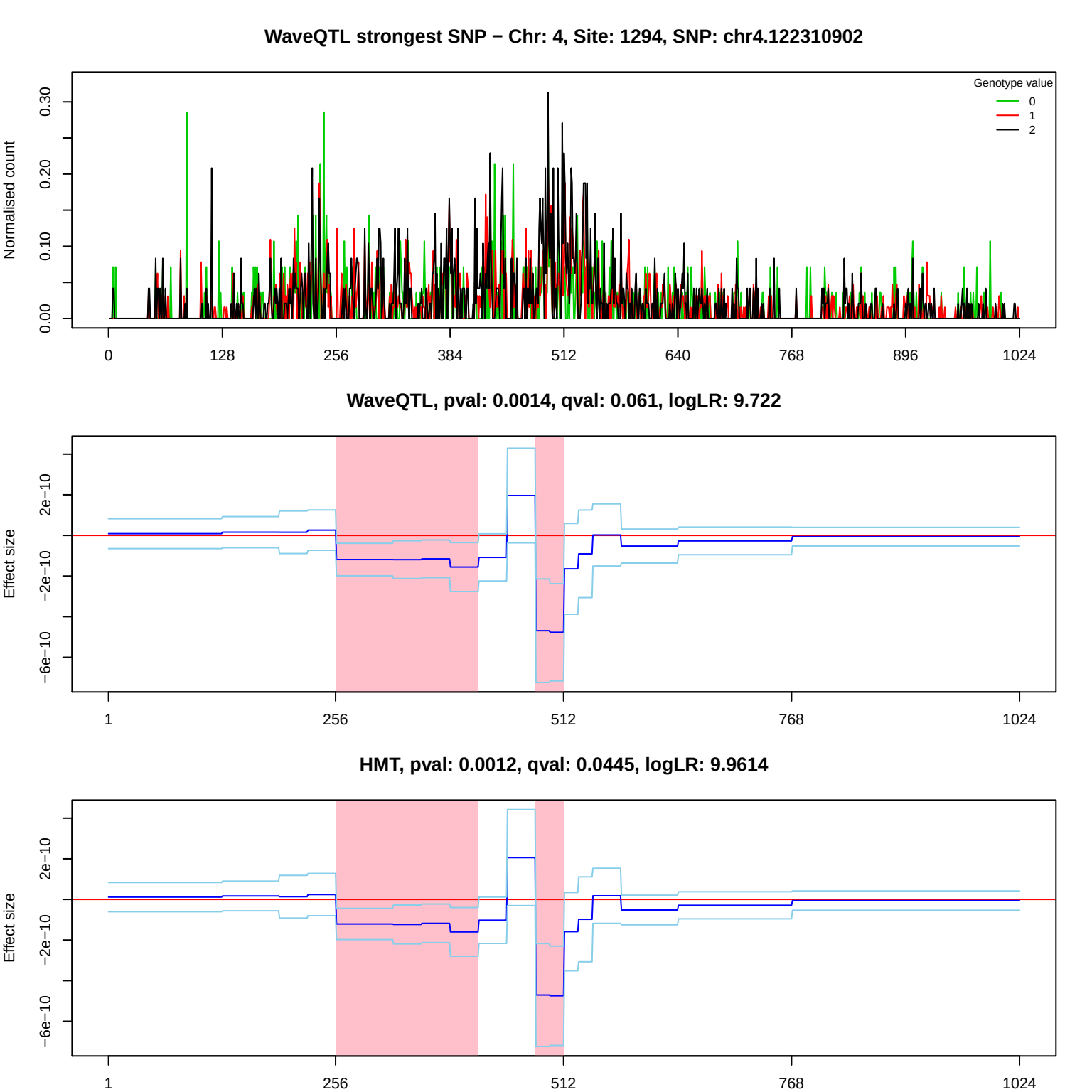

HMT strongest SNP − Chr: 4, Site: 587, SNP: chr4.9573478
Genotype value
1
0
2
Normalised count
0.0
0.1
0.2
0.3
0.4
0
128
256
384
512
640
768
896
1024
WaveQTL, logLR: 6.8005
Effect size
−2.5e−10
−1.0e−10
0.0e+00
1
256
512
768
1024
HMT, pval: 0.0014, qval: 0.0496, logLR: 6.9161
Effect size
−2.5e−10
−1.0e−10
0.0e+00
1
256
512
768
1024

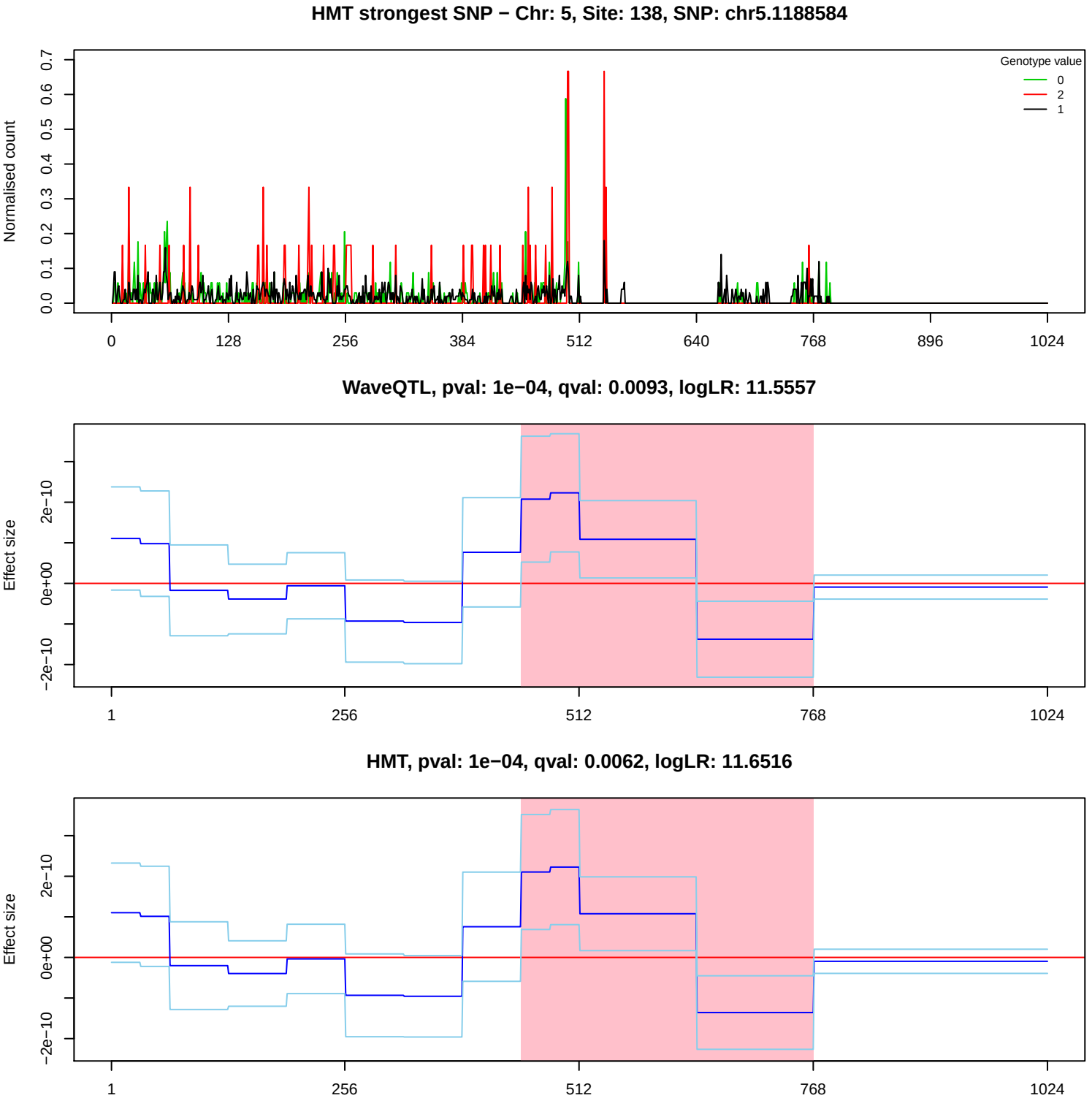

WaveQTL strongest SNP − Chr: 4, Site: 587, SNP: chr4.9573897
Normalised count
Genotype value
1
0
2
0.0
0.1
0.2
0.3
0.4
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 0.0013, qval: 0.0591, logLR: 6.8014
Effect size
−2.5e−10
−1.0e−10
0.0e+00
1
256
512
768
1024
HMT, logLR: 6.9125
Effect size
−2.5e−10
−1.0e−10
0.0e+00
1
256
512
768
1024

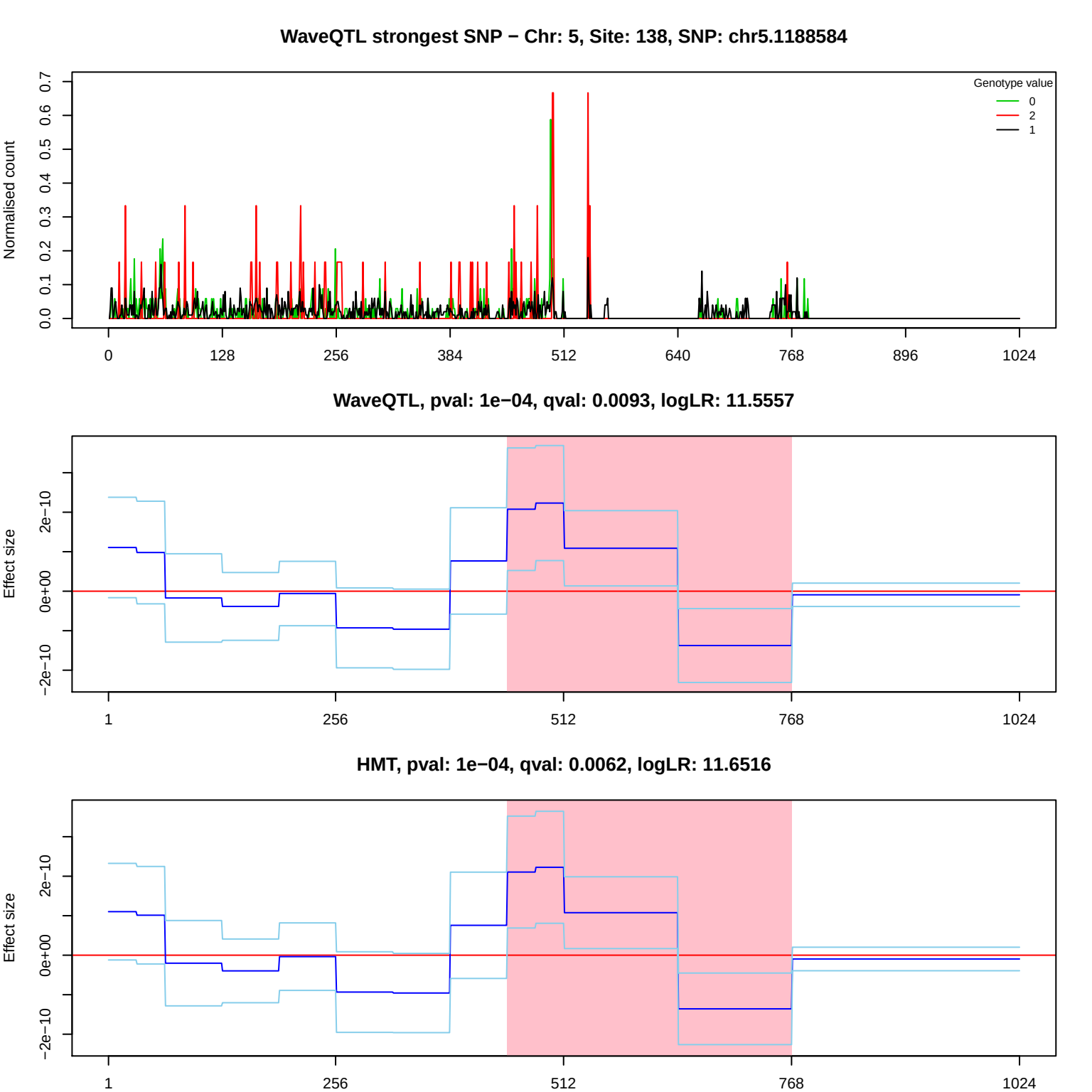

HMT strongest SNP − Chr: 4, Site: 792, SNP: chr4.40066369
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
Genotype value
2
1
0
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 92.0387
Effect size
−2.0e−10
4.0e−10
1.0e−09
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 92.0726
Effect size
−2.0e−10
4.0e−10
1.0e−09
1
256
512
768
1024

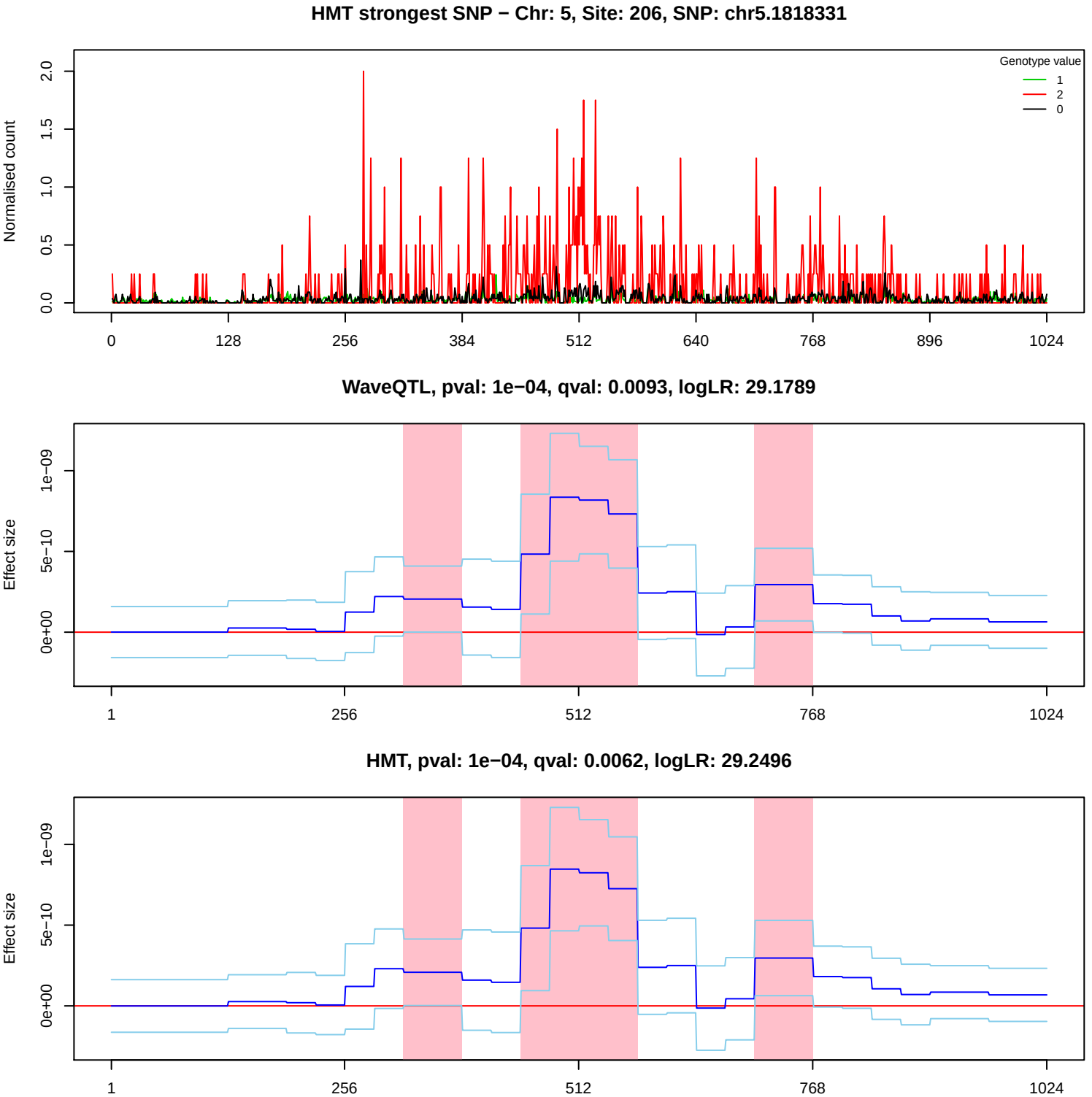

WaveQTL strongest SNP − Chr: 4, Site: 792, SNP: chr4.40066369
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
Genotype value
2
1
0
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 92.0387
Effect size
−2.0e−10
4.0e−10
1.0e−09
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 92.0726
Effect size
−2.0e−10
4.0e−10
1.0e−09
1
256
512
768
1024

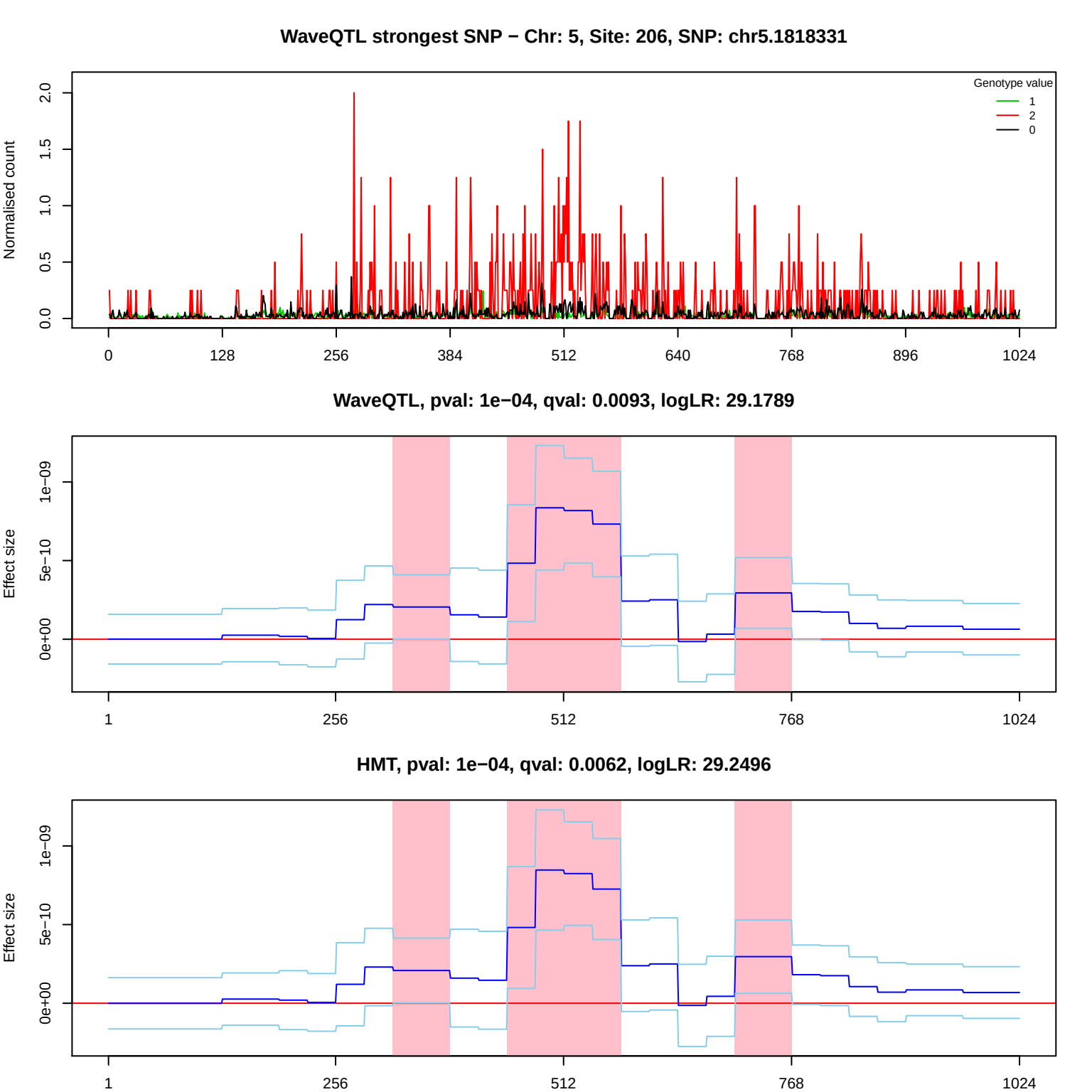

HMT strongest SNP − Chr: 4, Site: 1294, SNP: chr4.122310902
Normalised count
0.00
0.10
0.20
0.30
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 0.0014, qval: 0.061, logLR: 9.722
Effect size
−6e−10
−2e−10
2e−10
1
256
512
768
1024
HMT, pval: 0.0012, qval: 0.0445, logLR: 9.9614
Effect size
−6e−10
−2e−10
2e−10
1
256
512
768
1024

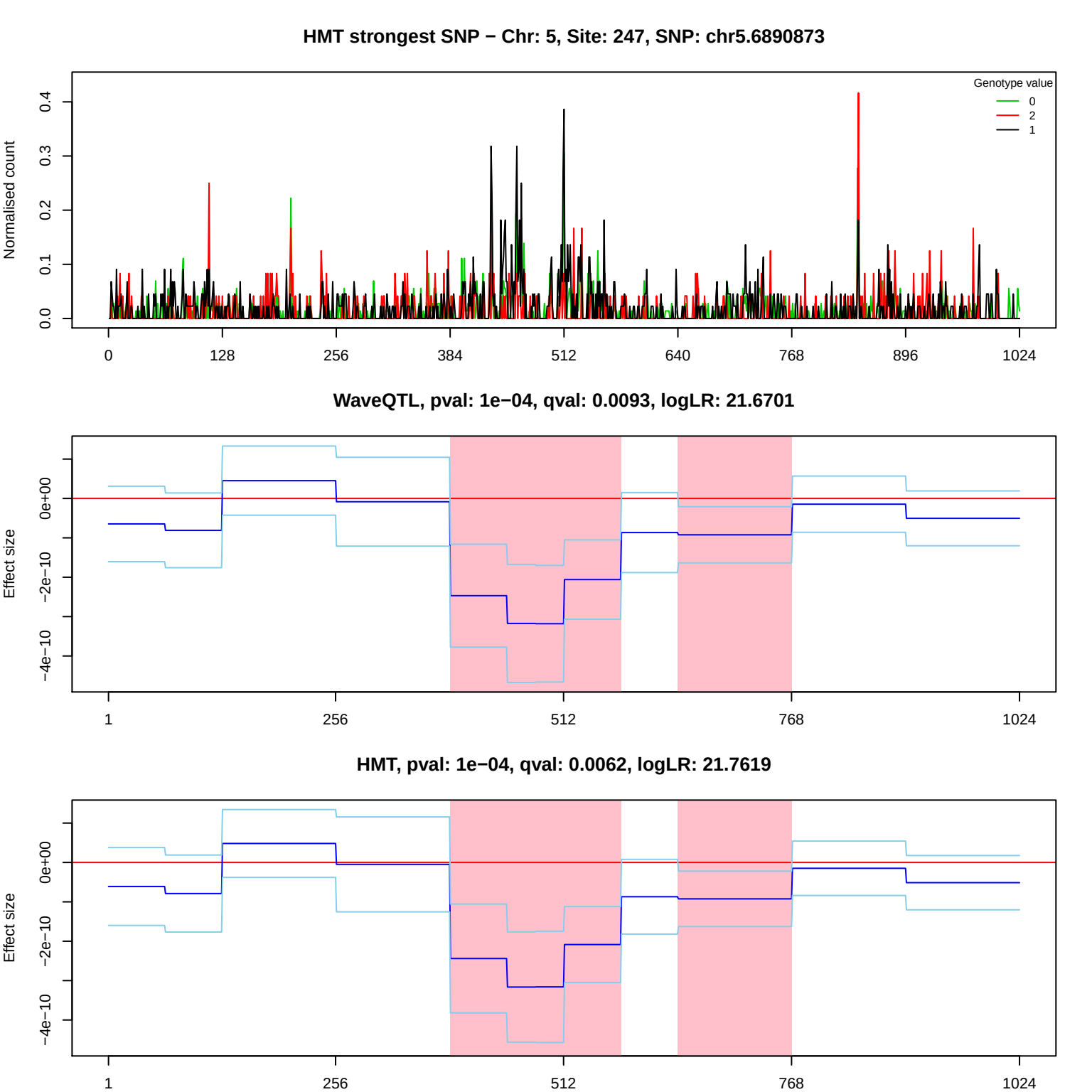

WaveQTL strongest SNP − Chr: 4, Site: 1294, SNP: chr4.122310902
Normalised count
0.00
0.10
0.20
0.30
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 0.0014, qval: 0.061, logLR: 9.722
Effect size
−6e−10
−2e−10
2e−10
1
256
512
768
1024
HMT, pval: 0.0012, qval: 0.0445, logLR: 9.9614
Effect size
−6e−10
−2e−10
2e−10
1
256
512
768
1024

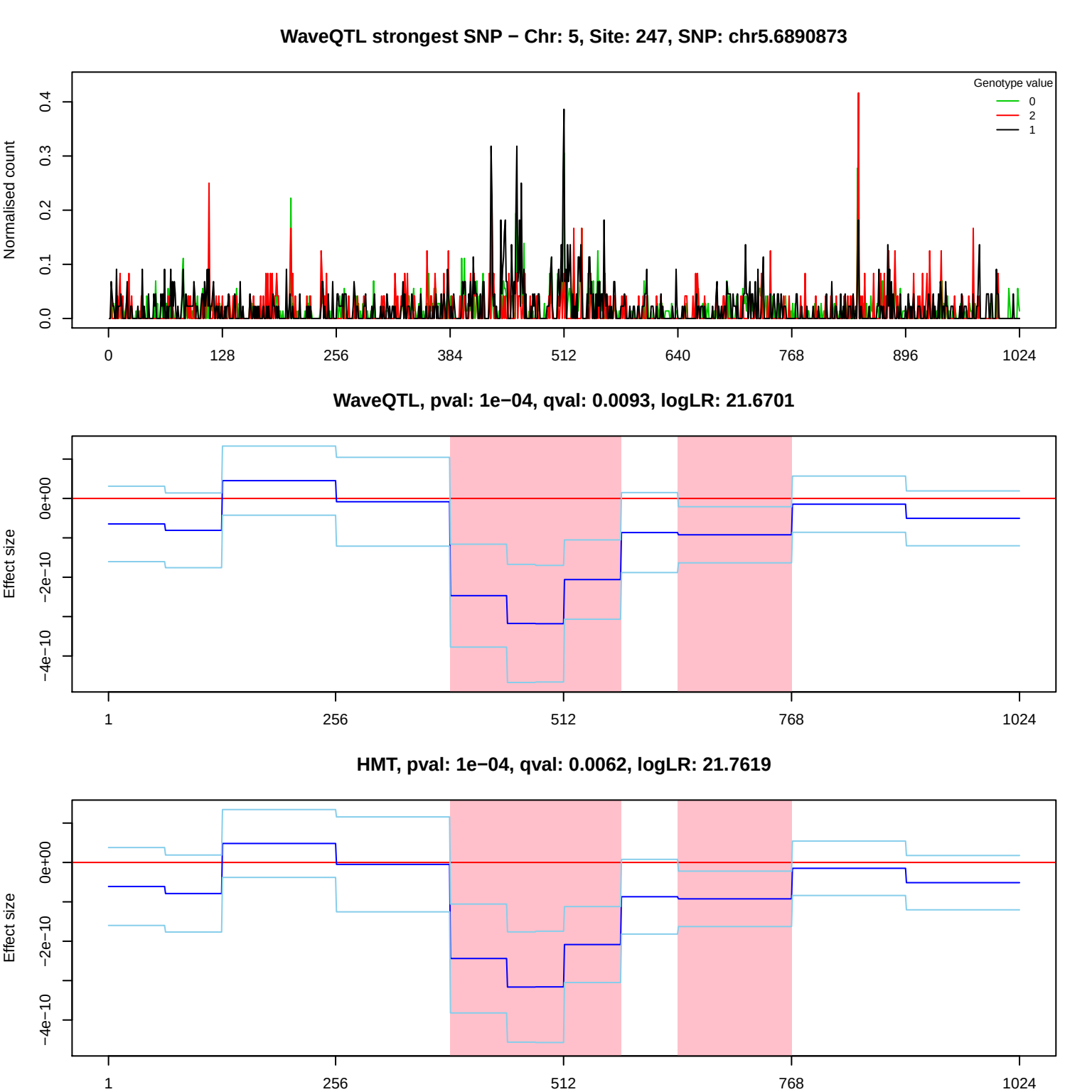

HMT strongest SNP − Chr: 5, Site: 138, SNP: chr5.1188584
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 11.5557
Effect size
2e−10
0e+00
−2e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 11.6516
Effect size
2e−10
0e+00
−2e−10
1
256
512
768
1024

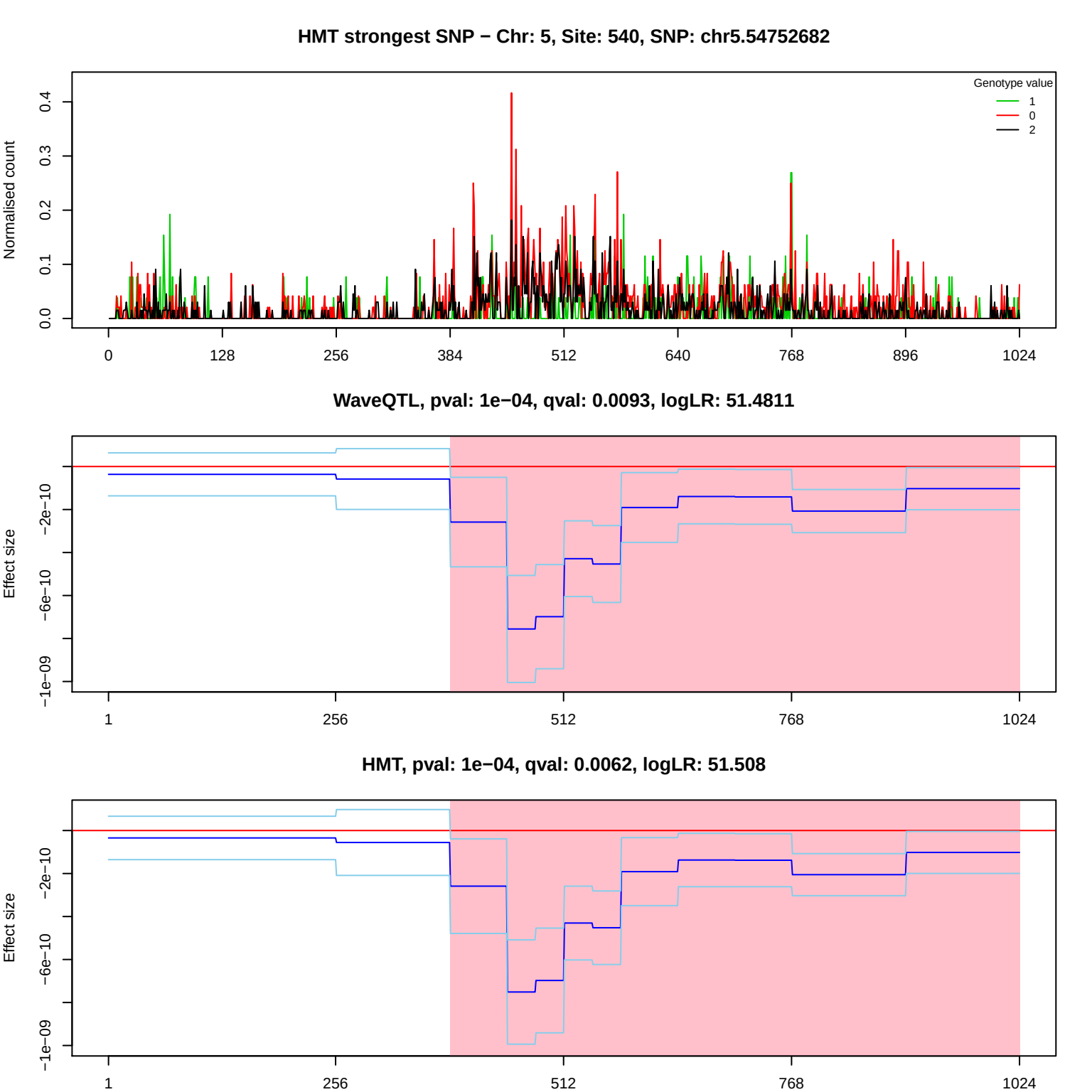

WaveQTL strongest SNP − Chr: 5, Site: 138, SNP: chr5.1188584
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 11.5557
Effect size
2e−10
0e+00
−2e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 11.6516
Effect size
2e−10
0e+00
−2e−10
1
256
512
768
1024

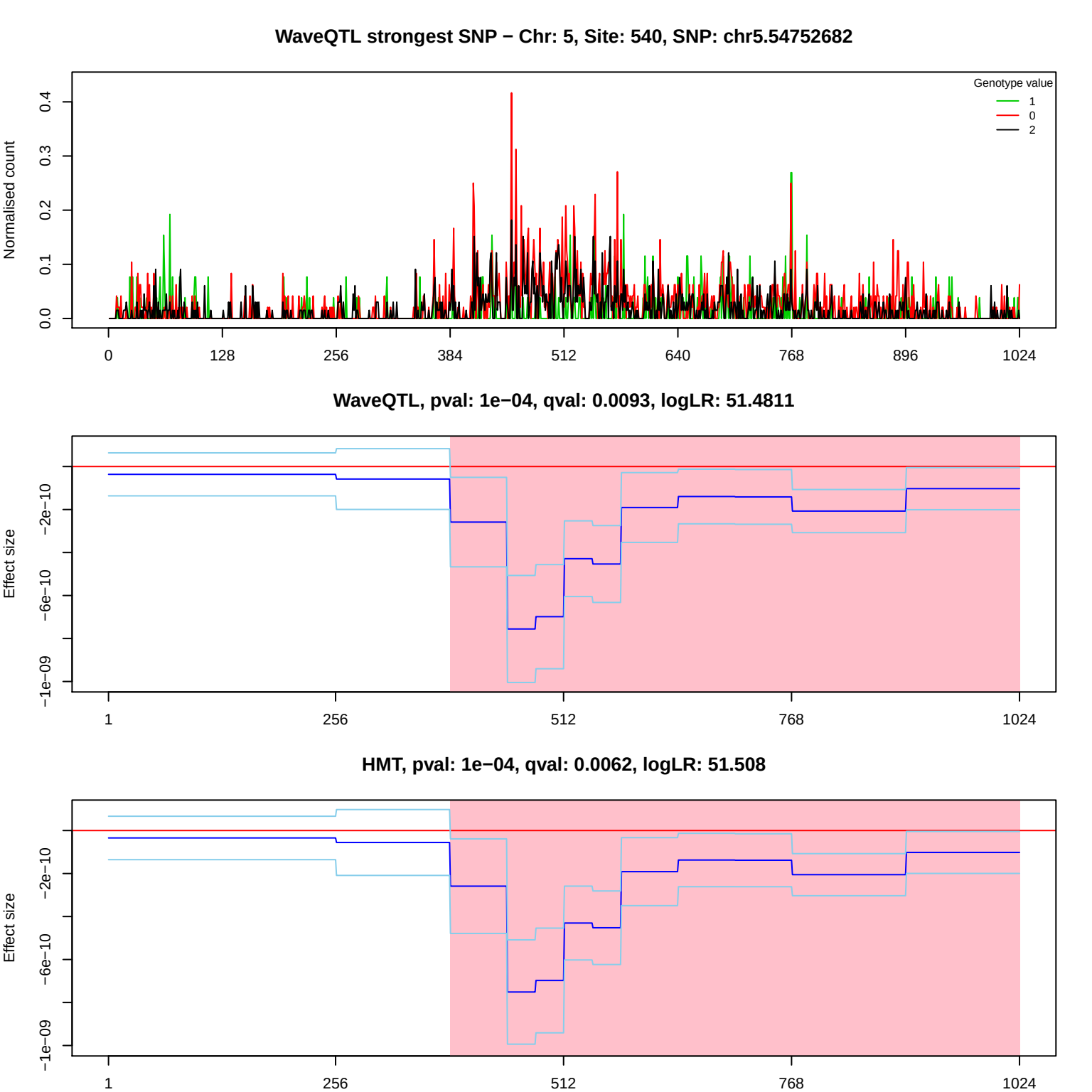

HMT strongest SNP − Chr: 5, Site: 206, SNP: chr5.1818331
Normalised count
0.0
0.5
1.0
1.5
2.0
Genotype value
1
2
0
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 29.1789
Effect size
0e+00
5e−10
1e−09
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 29.2496
Effect size
0e+00
5e−10
1e−09
1
256
512
768
1024

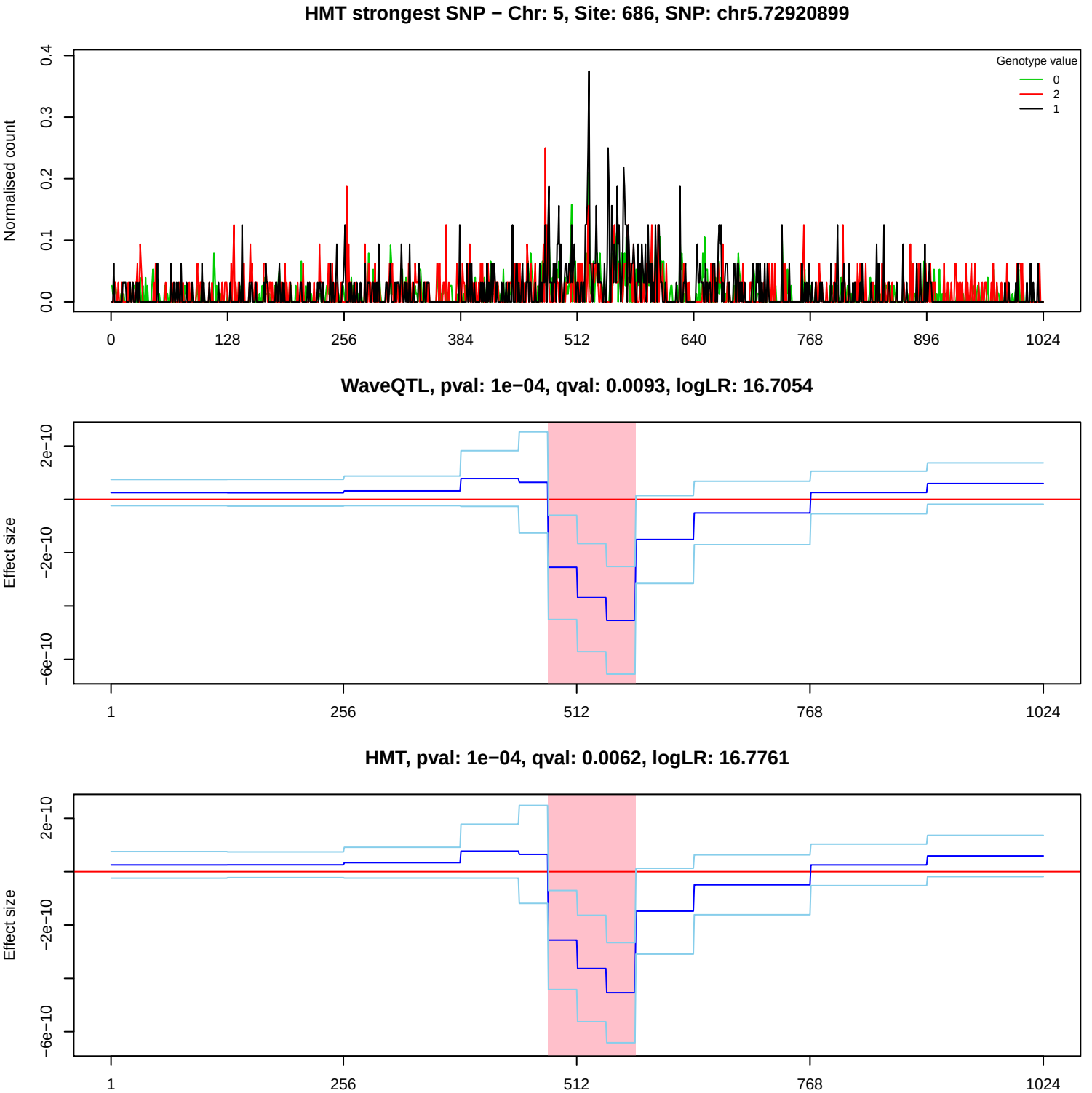

WaveQTL strongest SNP − Chr: 5, Site: 206, SNP: chr5.1818331
Normalised count
0.0
0.5
1.0
1.5
2.0
Genotype value
1
2
0
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 29.1789
Effect size
0e+00
5e−10
1e−09
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 29.2496
Effect size
0e+00
5e−10
1e−09
1
256
512
768
1024

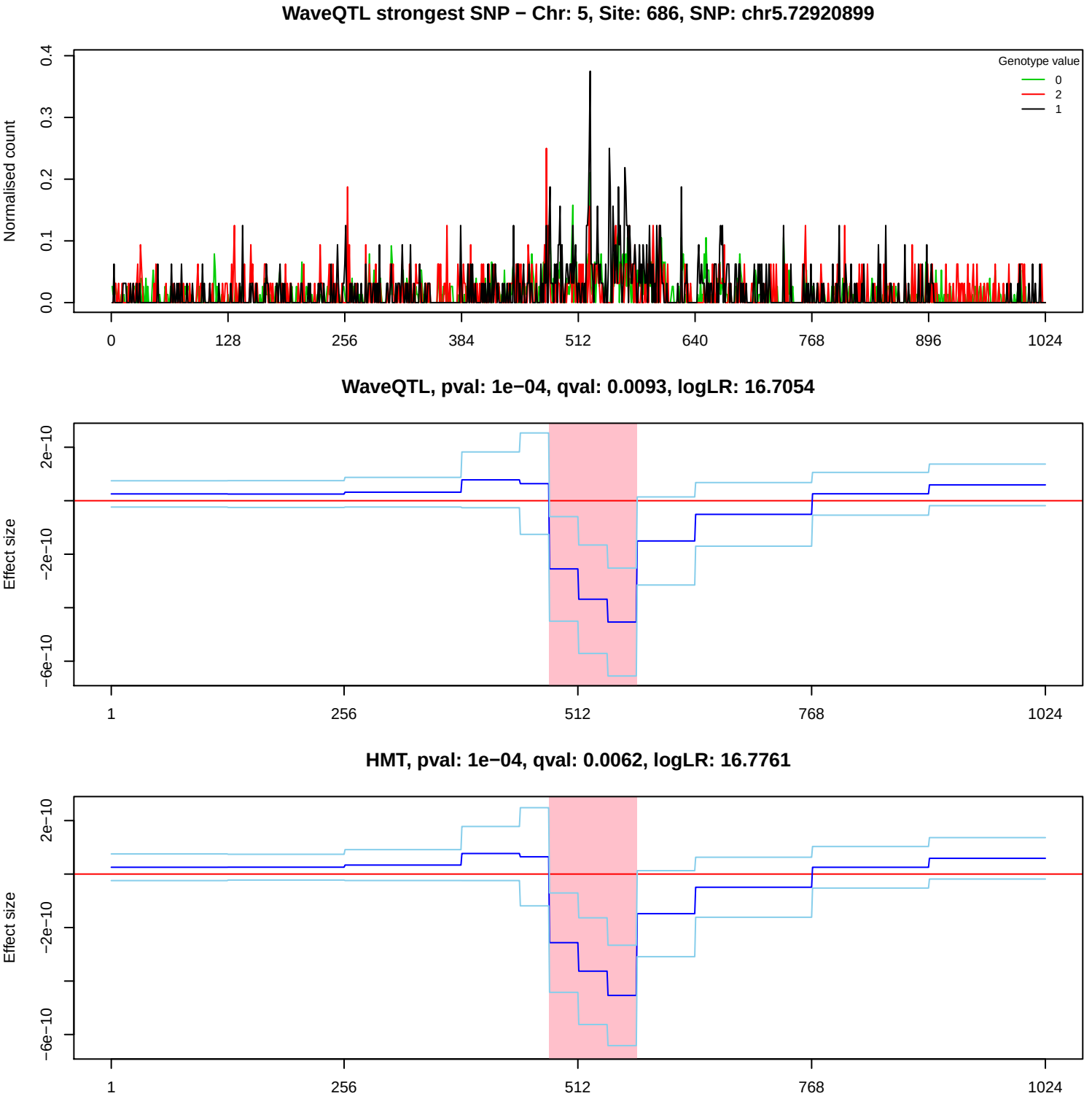

HMT strongest SNP − Chr: 5, Site: 247, SNP: chr5.6890873
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 21.6701
Effect size
−4e−10
−2e−10
0e+00
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 21.7619
Effect size
−4e−10
−2e−10
0e+00
1
256
512
768
1024

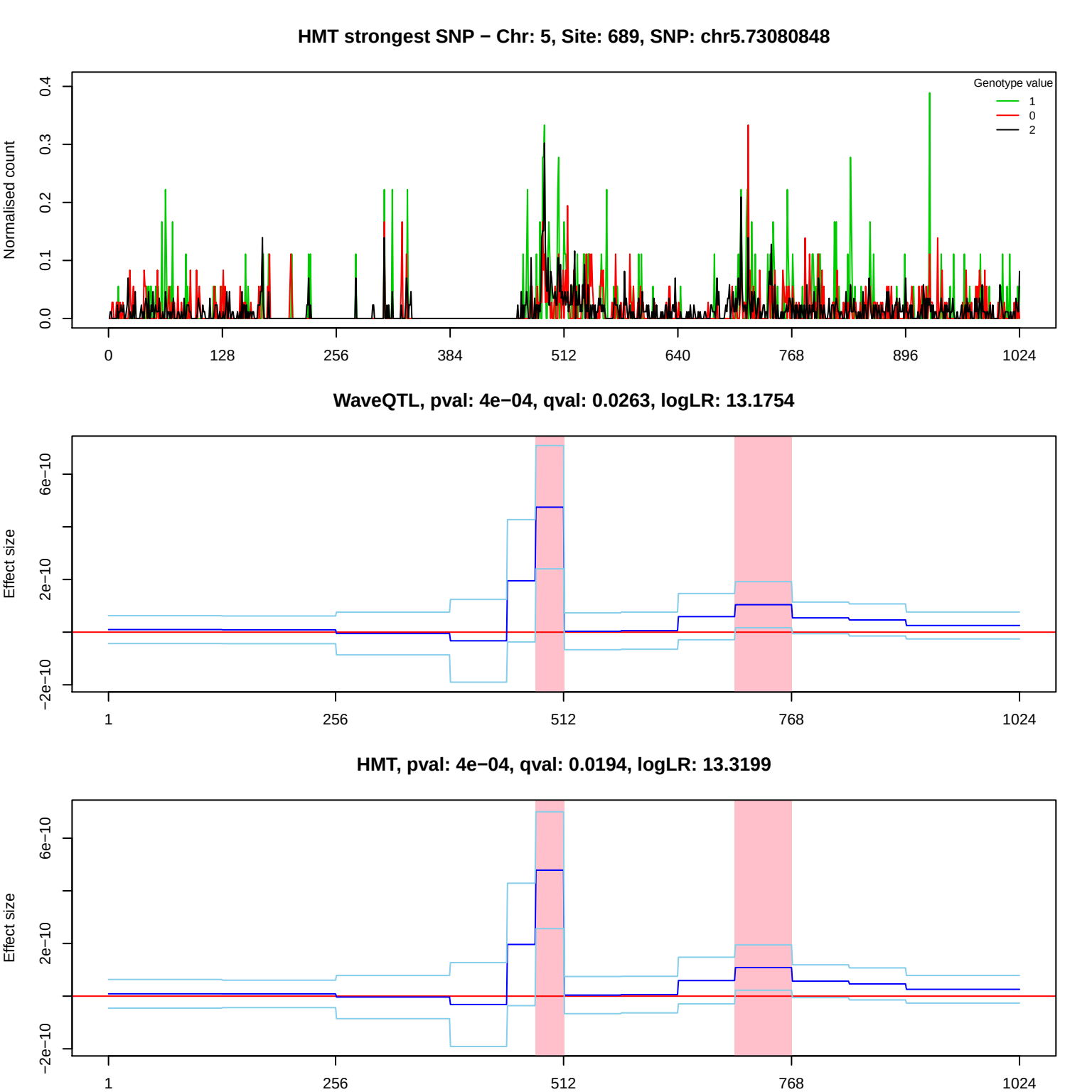

WaveQTL strongest SNP − Chr: 5, Site: 247, SNP: chr5.6890873
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 21.6701
Effect size
−4e−10
−2e−10
0e+00
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 21.7619
Effect size
−4e−10
−2e−10
0e+00
1
256
512
768
1024

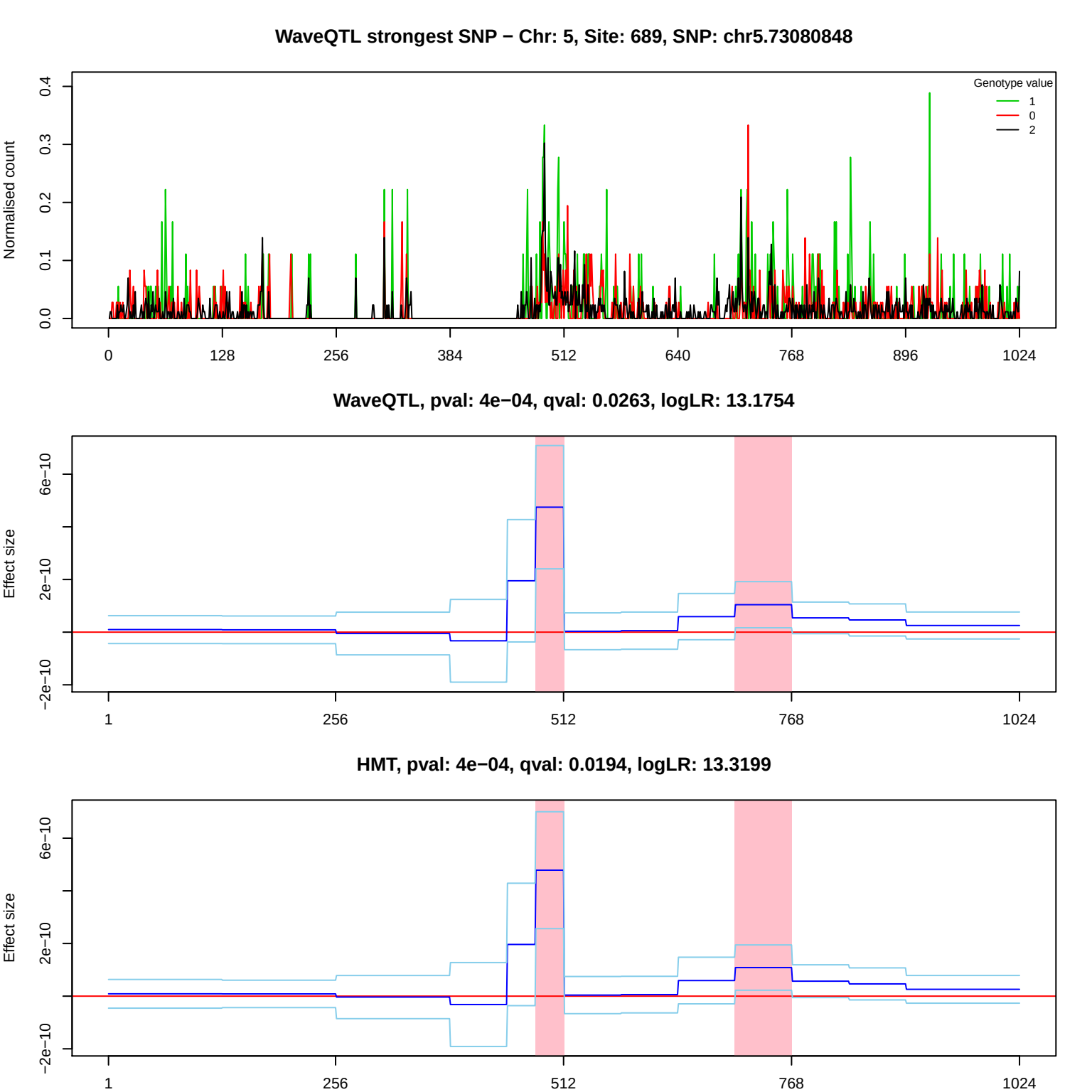

HMT strongest SNP − Chr: 5, Site: 540, SNP: chr5.54752682
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 51.4811
Effect size
−1e−09
−6e−10
−2e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 51.508
Effect size
−1e−09
−6e−10
−2e−10
1
256
512
768
1024

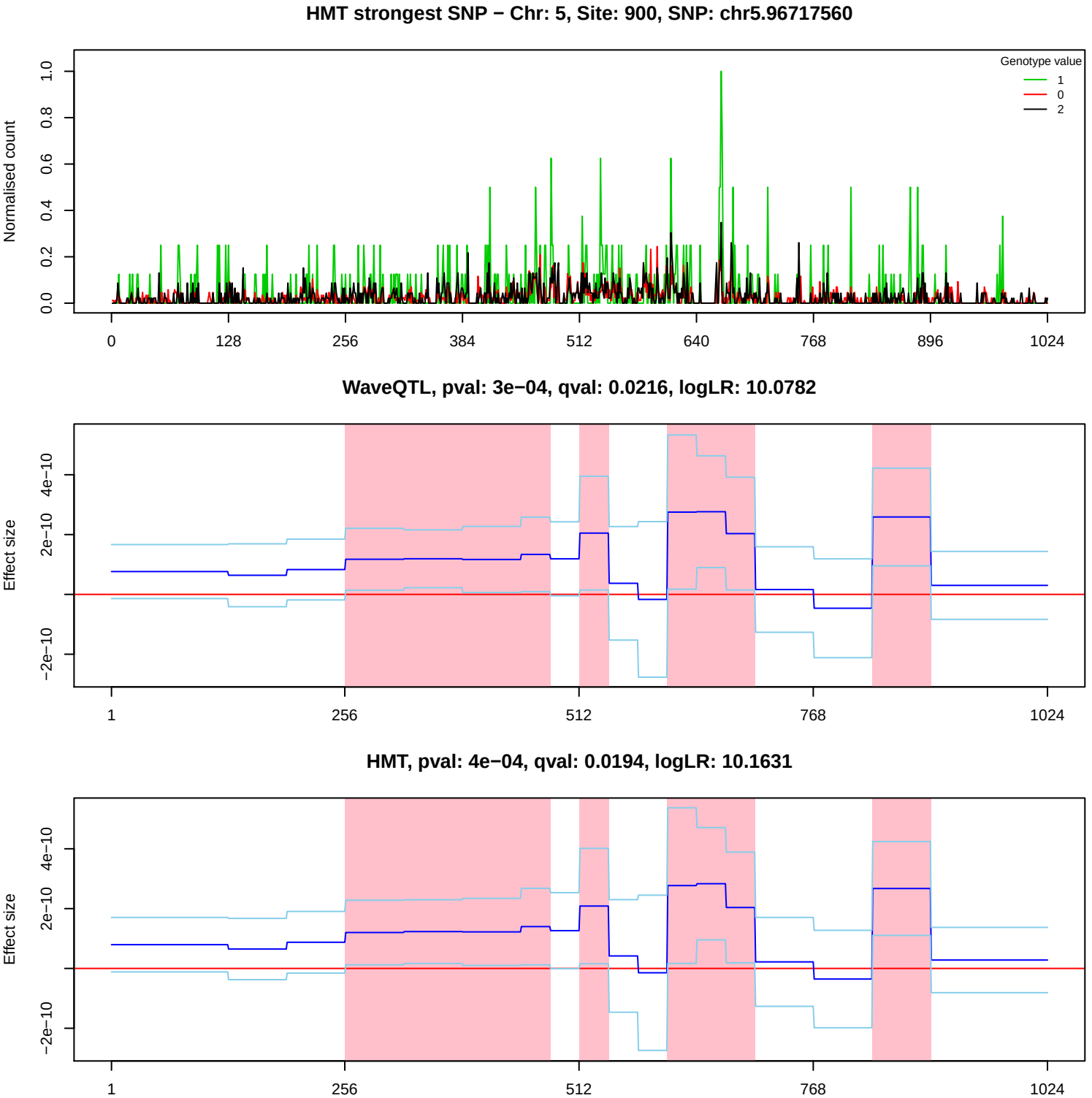

WaveQTL strongest SNP − Chr: 5, Site: 540, SNP: chr5.54752682
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 51.4811
Effect size
−1e−09
−6e−10
−2e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 51.508
Effect size
−1e−09
−6e−10
−2e−10
1
256
512
768
1024

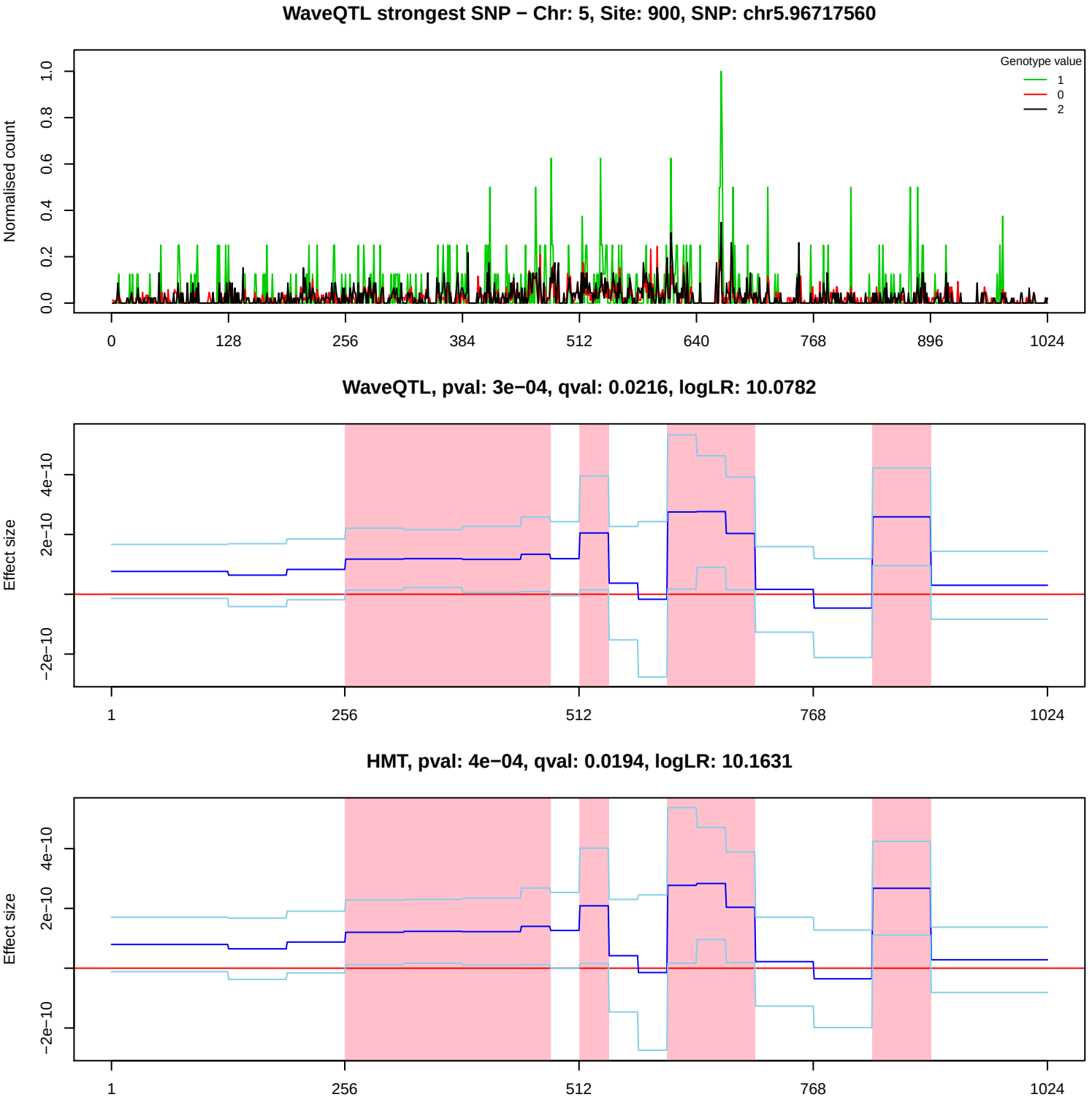

HMT strongest SNP − Chr: 5, Site: 686, SNP: chr5.72920899
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 16.7054
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 16.7761
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024

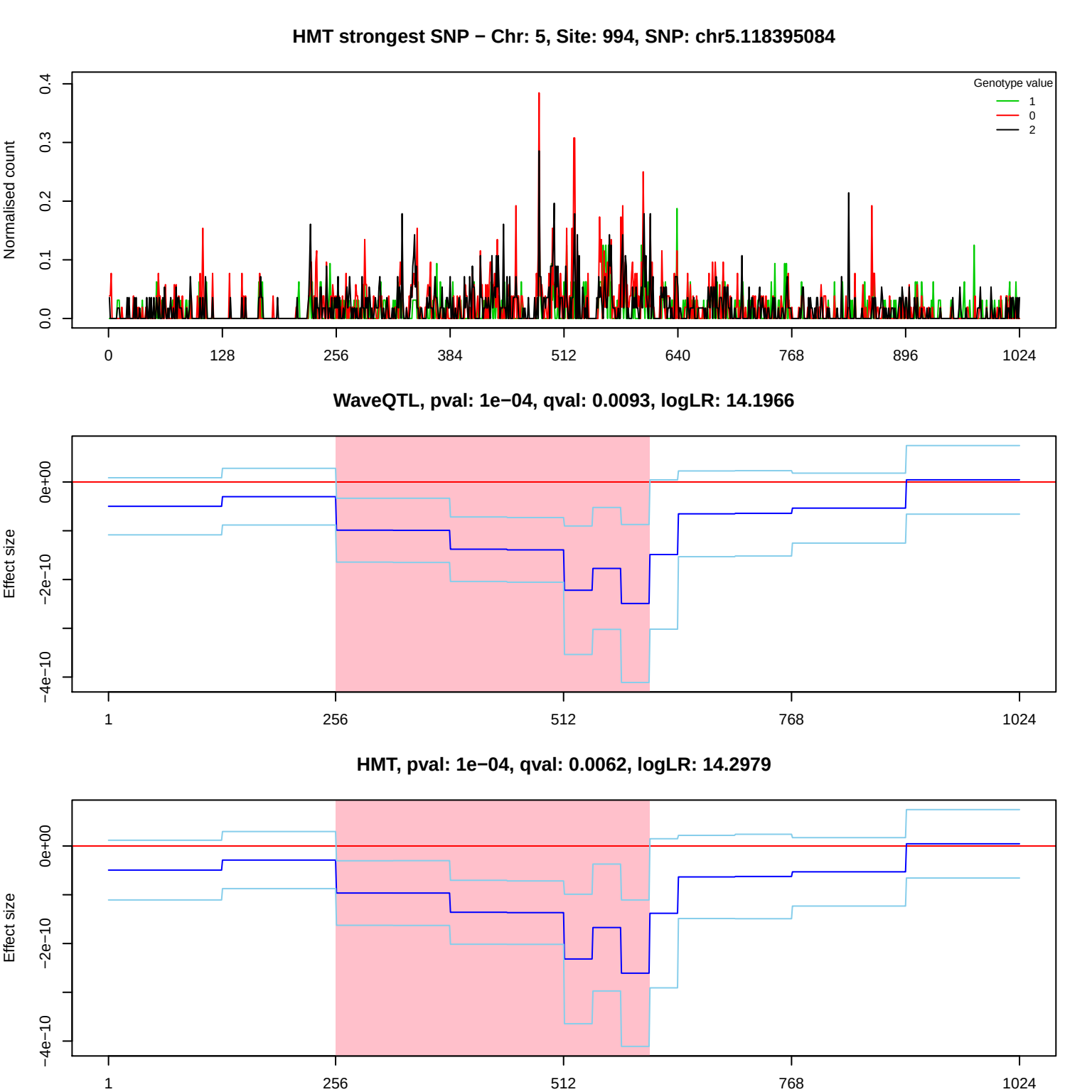

WaveQTL strongest SNP − Chr: 5, Site: 686, SNP: chr5.72920899
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
0
2
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 16.7054
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 16.7761
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024

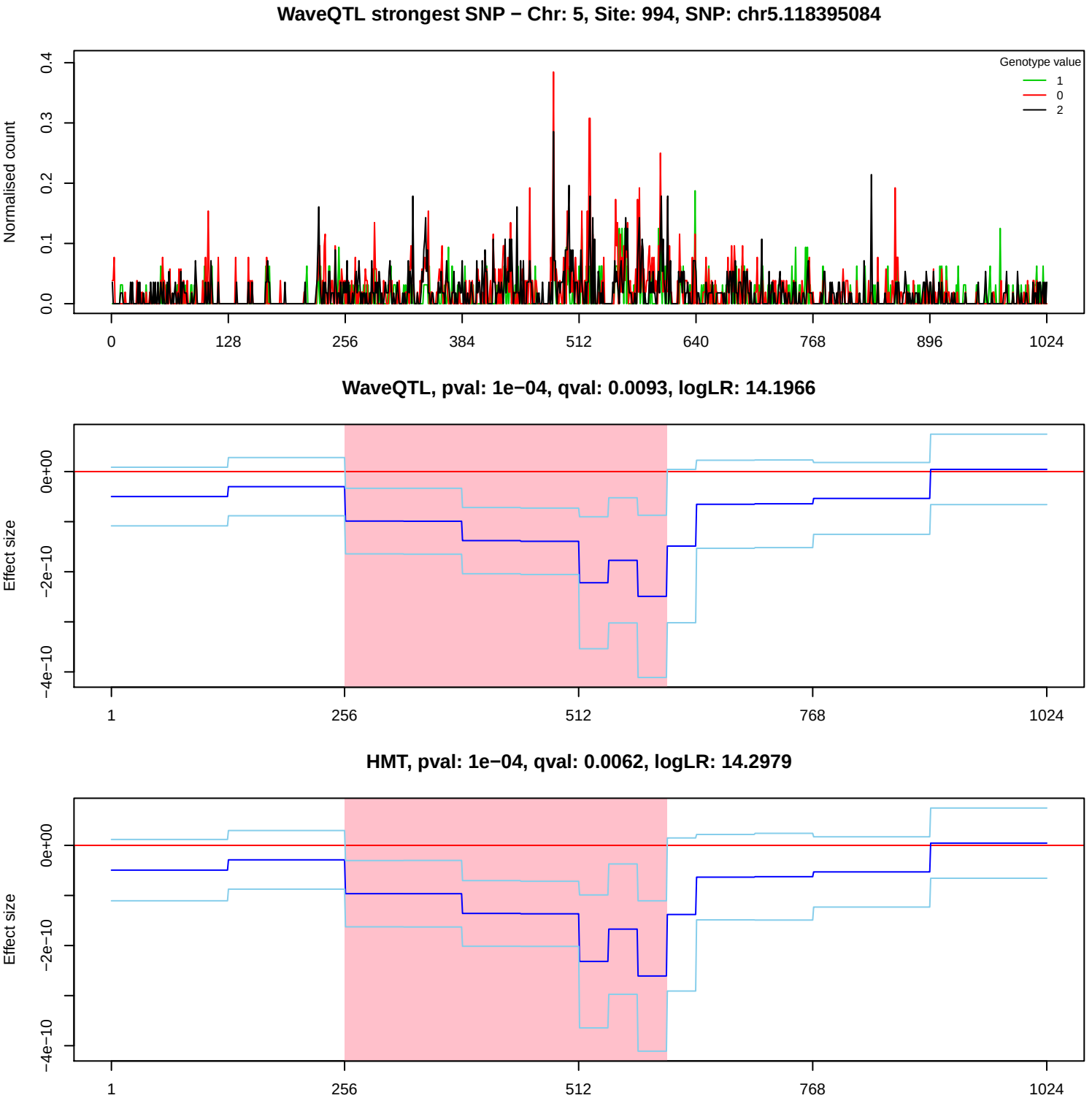

HMT strongest SNP − Chr: 5, Site: 689, SNP: chr5.73080848
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 4e−04, qval: 0.0263, logLR: 13.1754
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024
HMT, pval: 4e−04, qval: 0.0194, logLR: 13.3199
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024

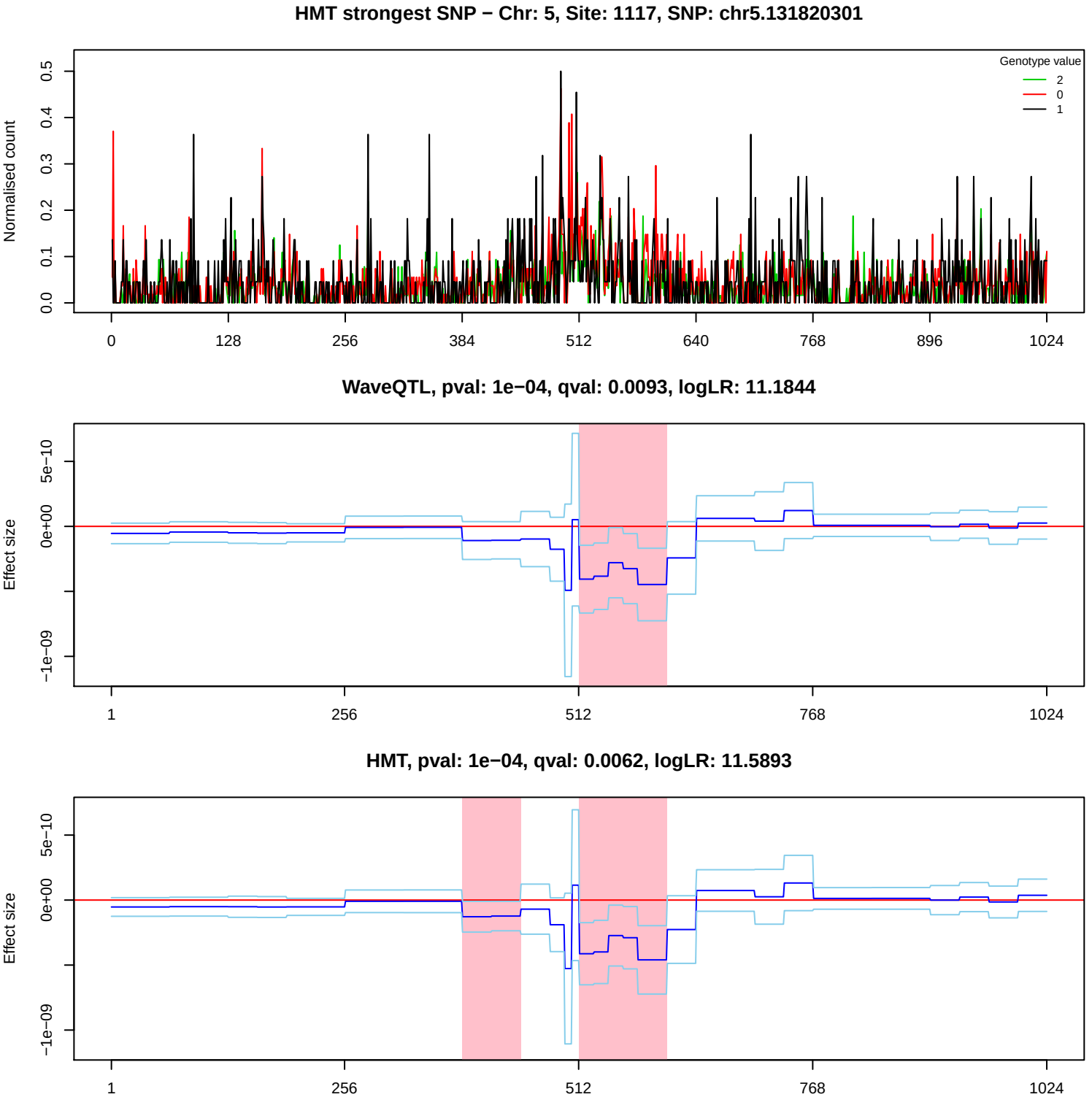

WaveQTL strongest SNP − Chr: 5, Site: 689, SNP: chr5.73080848
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 4e−04, qval: 0.0263, logLR: 13.1754
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024
HMT, pval: 4e−04, qval: 0.0194, logLR: 13.3199
Effect size
−2e−10
2e−10
6e−10
1
256
512
768
1024

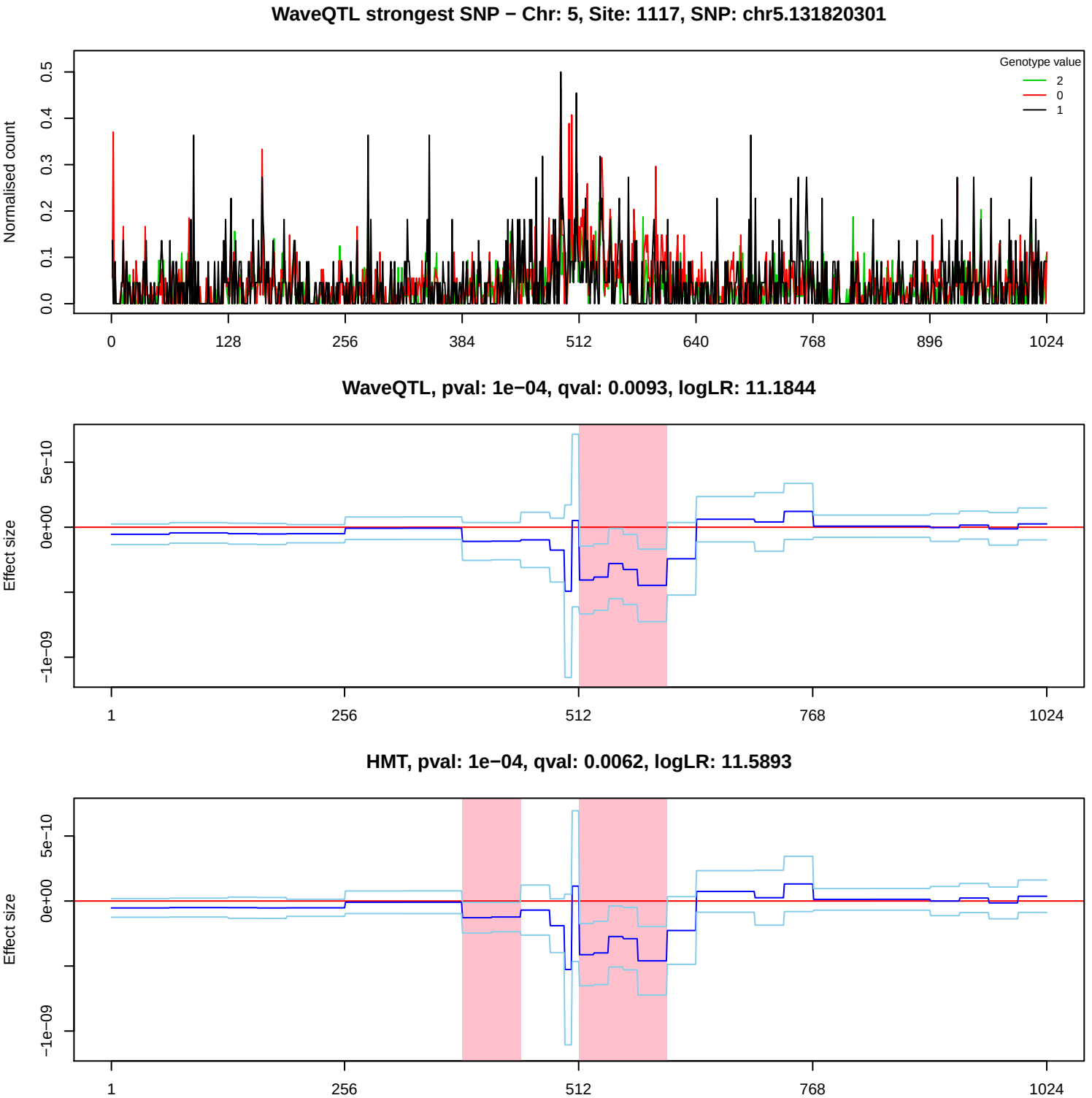

HMT strongest SNP − Chr: 5, Site: 900, SNP: chr5.96717560
Normalised count
0.0
0.2
0.4
0.6
0.8
1.0
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 3e−04, qval: 0.0216, logLR: 10.0782
Effect size
−2e−10
2e−10
4e−10
1
256
512
768
1024
HMT, pval: 4e−04, qval: 0.0194, logLR: 10.1631
Effect size
−2e−10
2e−10
4e−10
1
256
512
768
1024

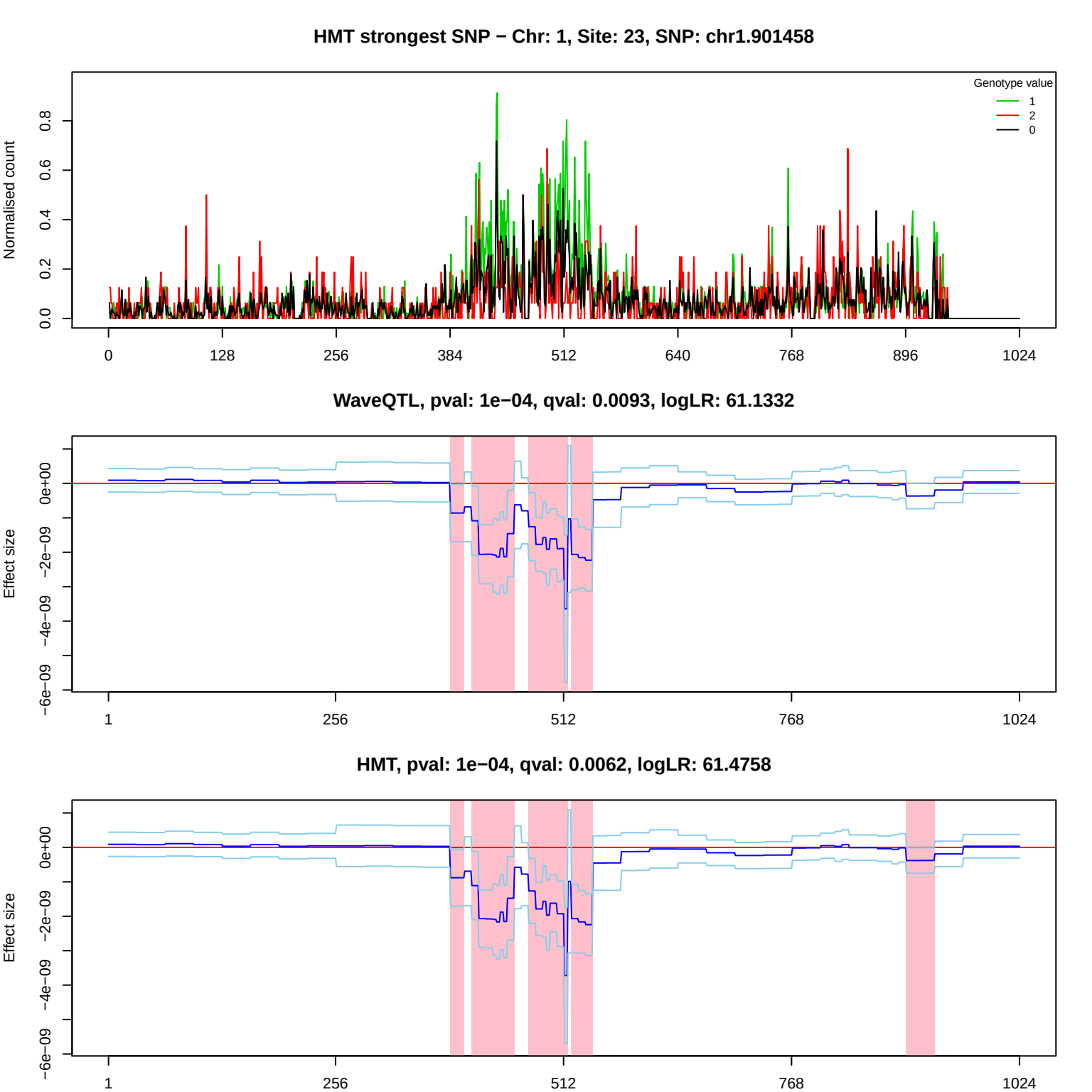

WaveQTL strongest SNP − Chr: 5, Site: 900, SNP: chr5.96717560
Normalised count
0.0
0.2
0.4
0.6
0.8
1.0
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 3e−04, qval: 0.0216, logLR: 10.0782
Effect size
−2e−10
2e−10
4e−10
1
256
512
768
1024
HMT, pval: 4e−04, qval: 0.0194, logLR: 10.1631
Effect size
−2e−10
2e−10
4e−10
1
256
512
768
1024

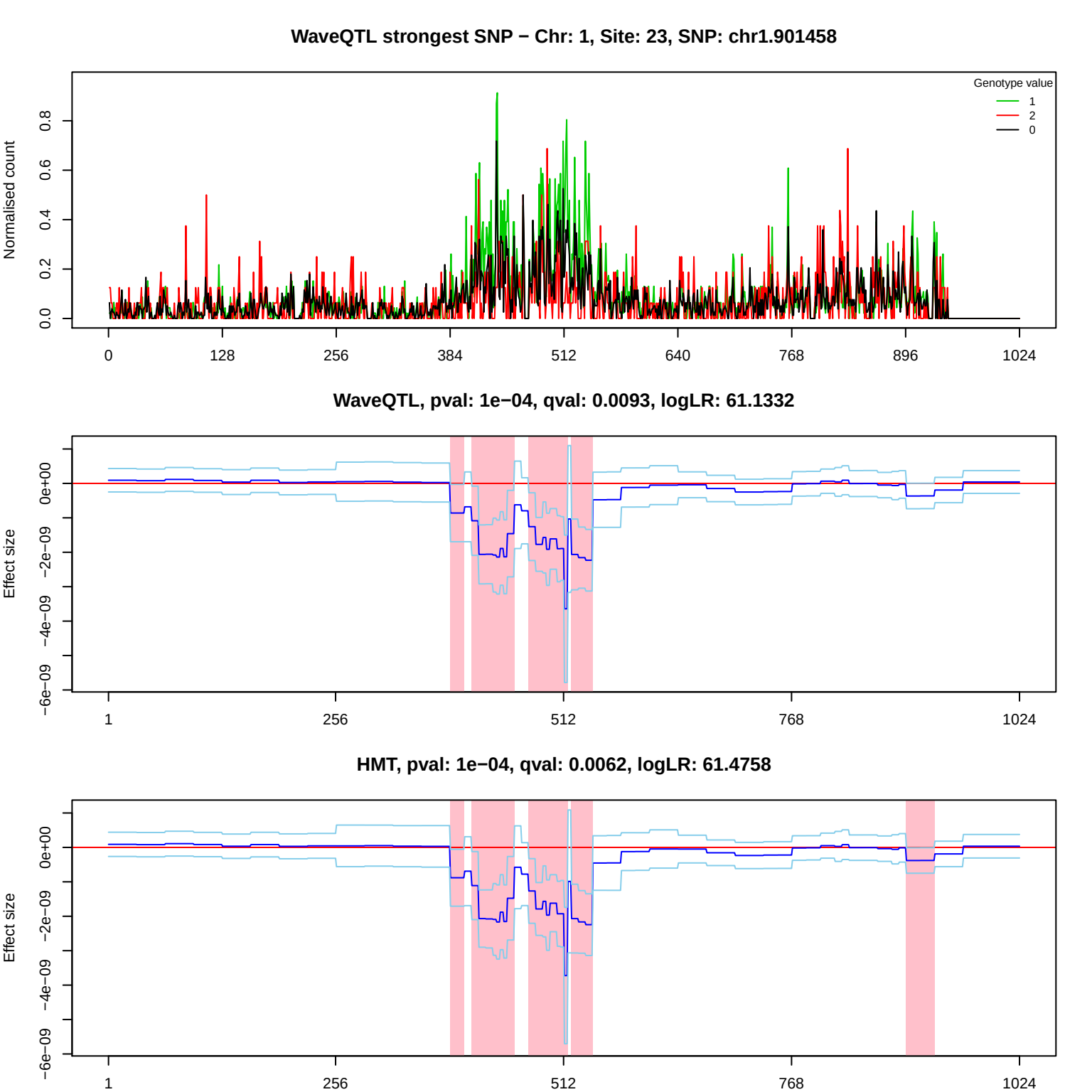

HMT strongest SNP − Chr: 5, Site: 994, SNP: chr5.118395084
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 14.1966
Effect size
0e+00
−2e−10
−4e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 14.2979
Effect size
0e+00
−2e−10
−4e−10
1
256
512
768
1024

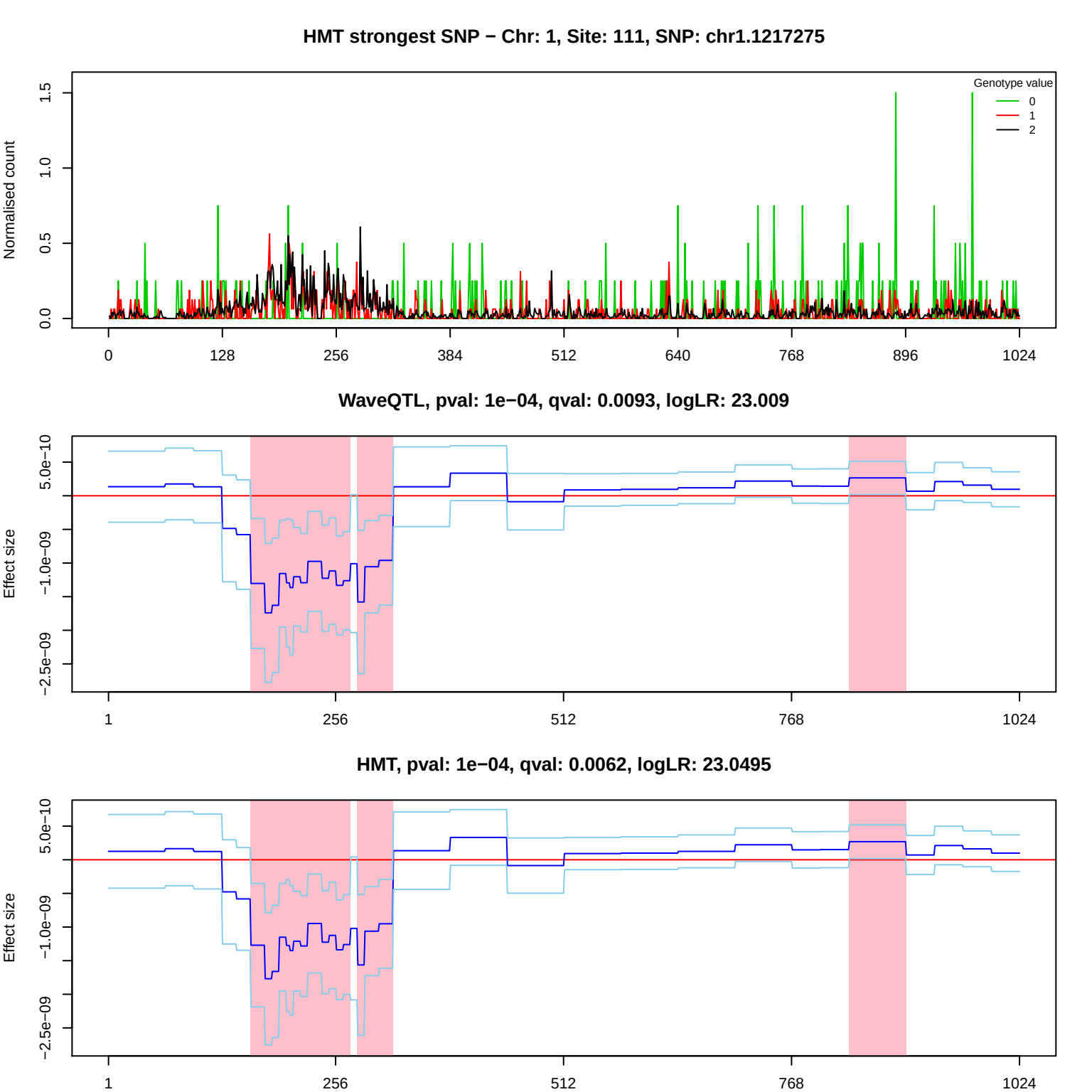

WaveQTL strongest SNP − Chr: 5, Site: 994, SNP: chr5.118395084
Genotype value
1
0
2
Normalised count
0.0
0.1
0.2
0.3
0.4
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 14.1966
Effect size
0e+00
−2e−10
−4e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 14.2979
Effect size
0e+00
−2e−10
−4e−10
1
256
512
768
1024

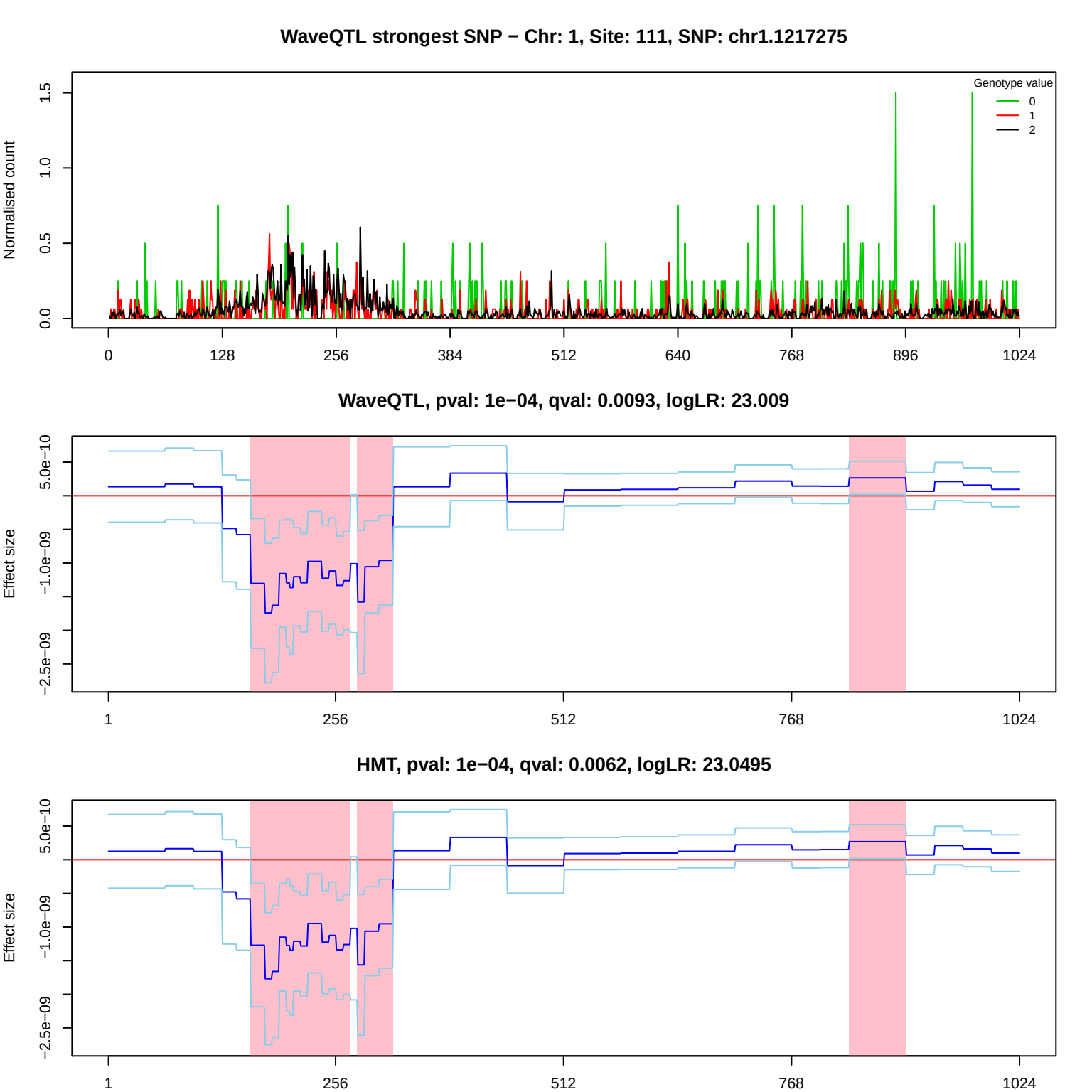

HMT strongest SNP − Chr: 5, Site: 1117, SNP: chr5.131820301
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
Genotype value
2
0
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 11.1844
Effect size
5e−10
0e+00
−1e−09
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 11.5893
Effect size
5e−10
0e+00
−1e−09
1
256
512
768
1024

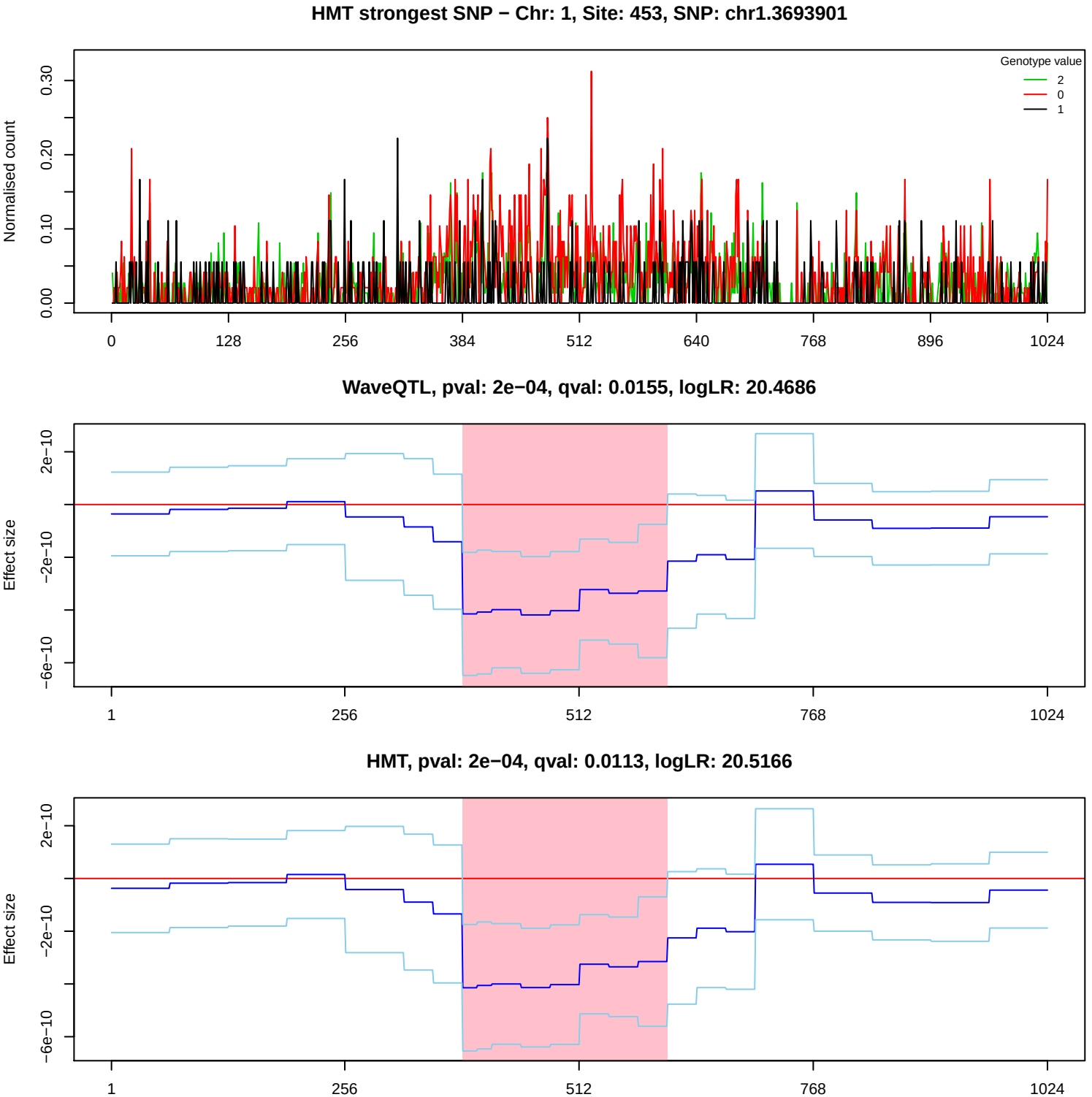

WaveQTL strongest SNP − Chr: 5, Site: 1117, SNP: chr5.131820301
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
Genotype value
2
0
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 11.1844
Effect size
5e−10
0e+00
−1e−09
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 11.5893
Effect size
5e−10
0e+00
−1e−09
1
256
512
768
1024

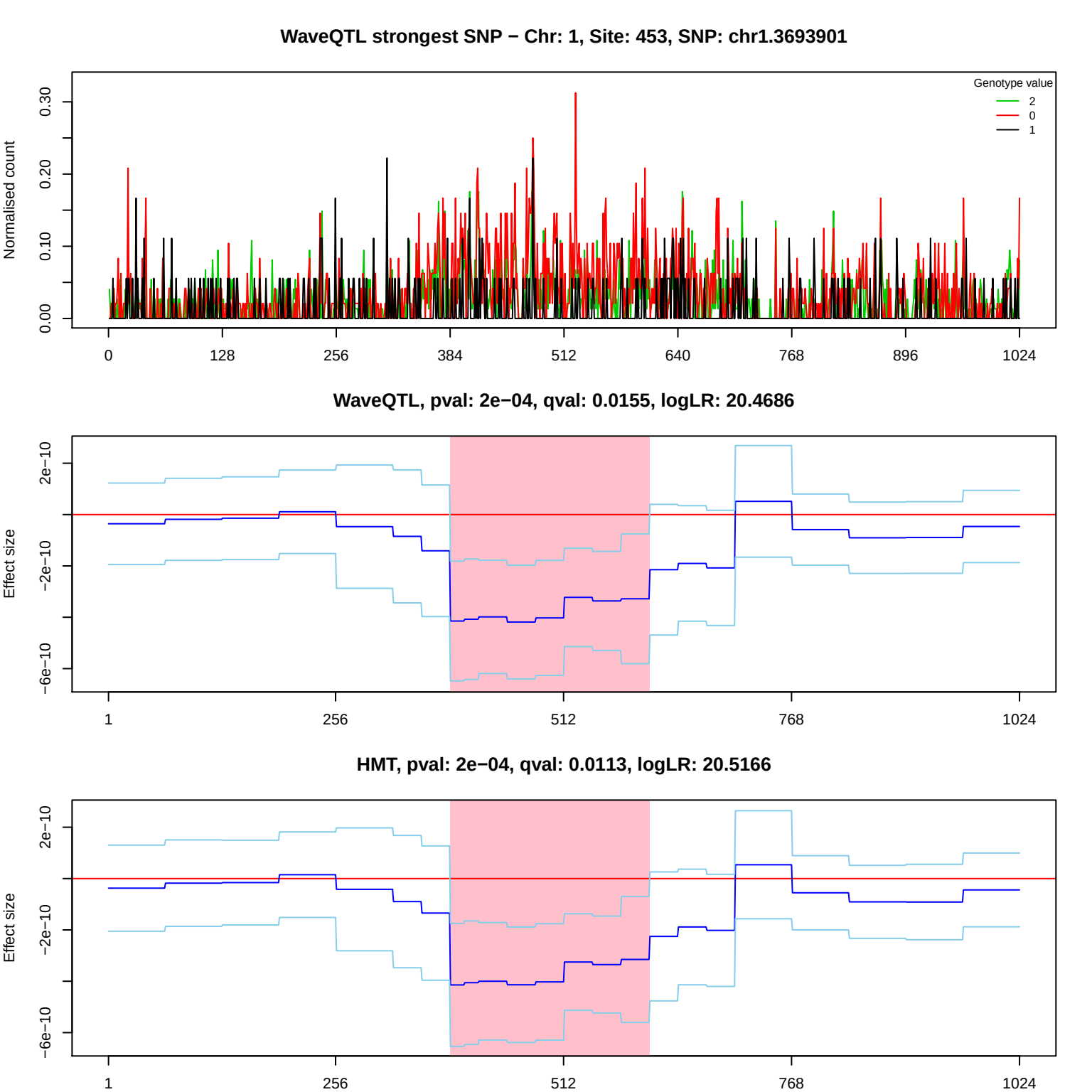

HMT strongest SNP − Chr: 1, Site: 23, SNP: chr1.901458
Genotype value
1
2
0
Normalised count
0.0
0.2
0.4
0.6
0.8
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 61.1332
Effect size
−6e−09
−4e−09
−2e−09
0e+00
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 61.4758
Effect size
−6e−09
−4e−09
−2e−09
0e+00
1
256
512
768
1024

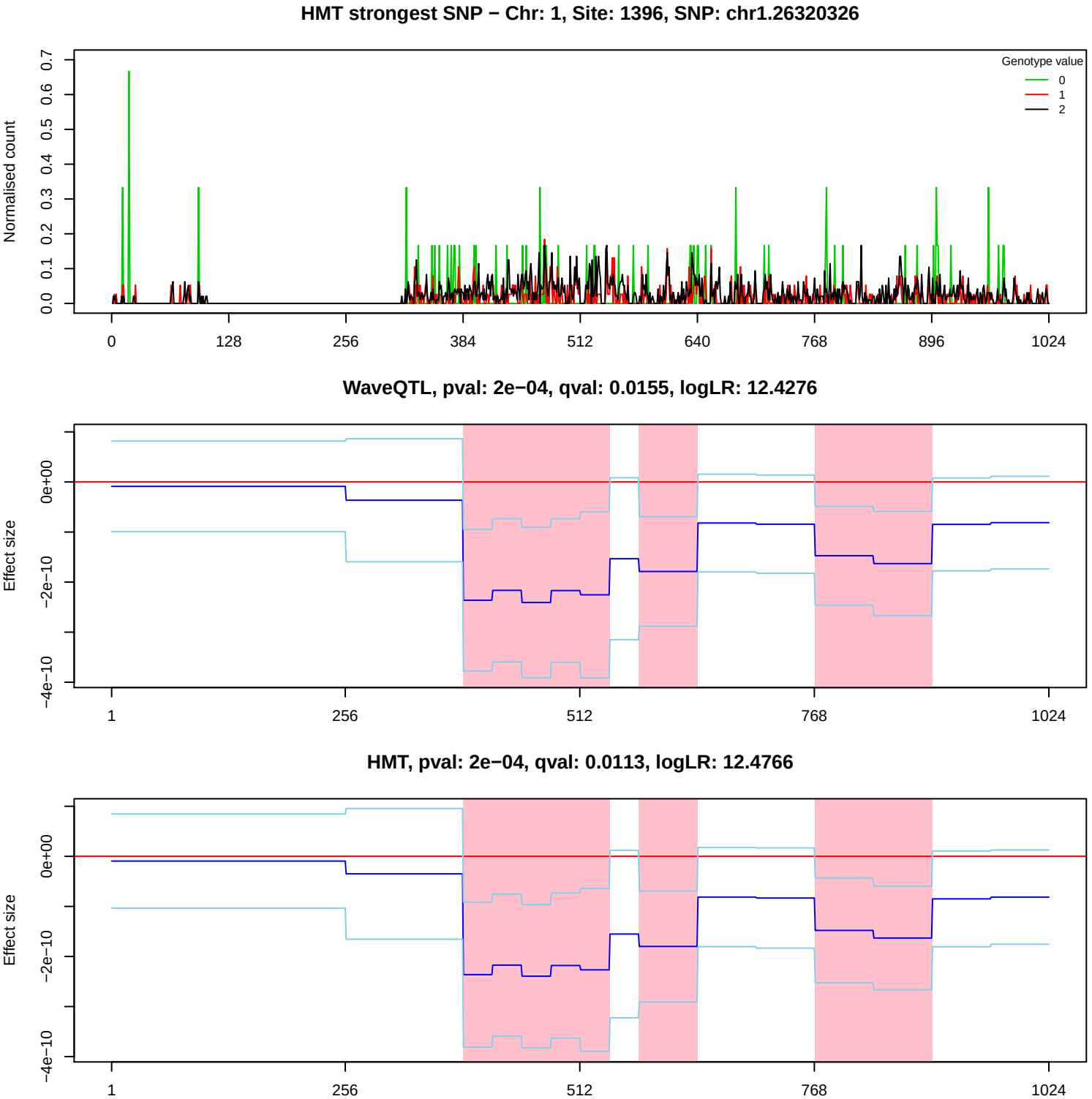

WaveQTL strongest SNP − Chr: 1, Site: 23, SNP: chr1.901458
Genotype value
1
2
0
Normalised count
0.0
0.2
0.4
0.6
0.8
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 61.1332
Effect size
−6e−09
−4e−09
−2e−09
0e+00
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 61.4758
Effect size
−6e−09
−4e−09
−2e−09
0e+00
1
256
512
768
1024

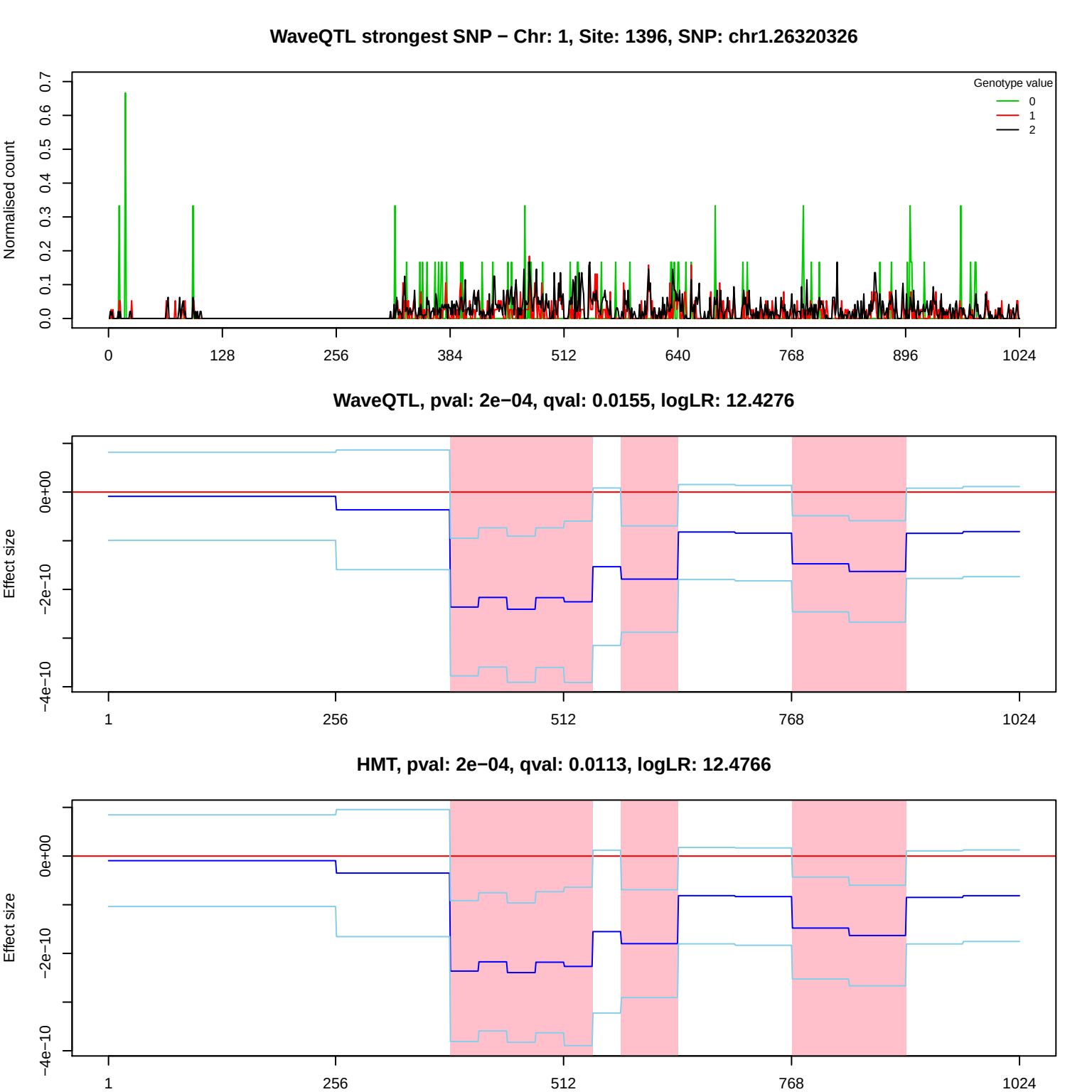

HMT strongest SNP − Chr: 1, Site: 111, SNP: chr1.1217275
Normalised count
0.0
0.5
1.0
1.5
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 23.009
Effect size
5.0e−10
−1.0e−09
−2.5e−09
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 23.0495
Effect size
5.0e−10
−1.0e−09
−2.5e−09
1
256
512
768
1024

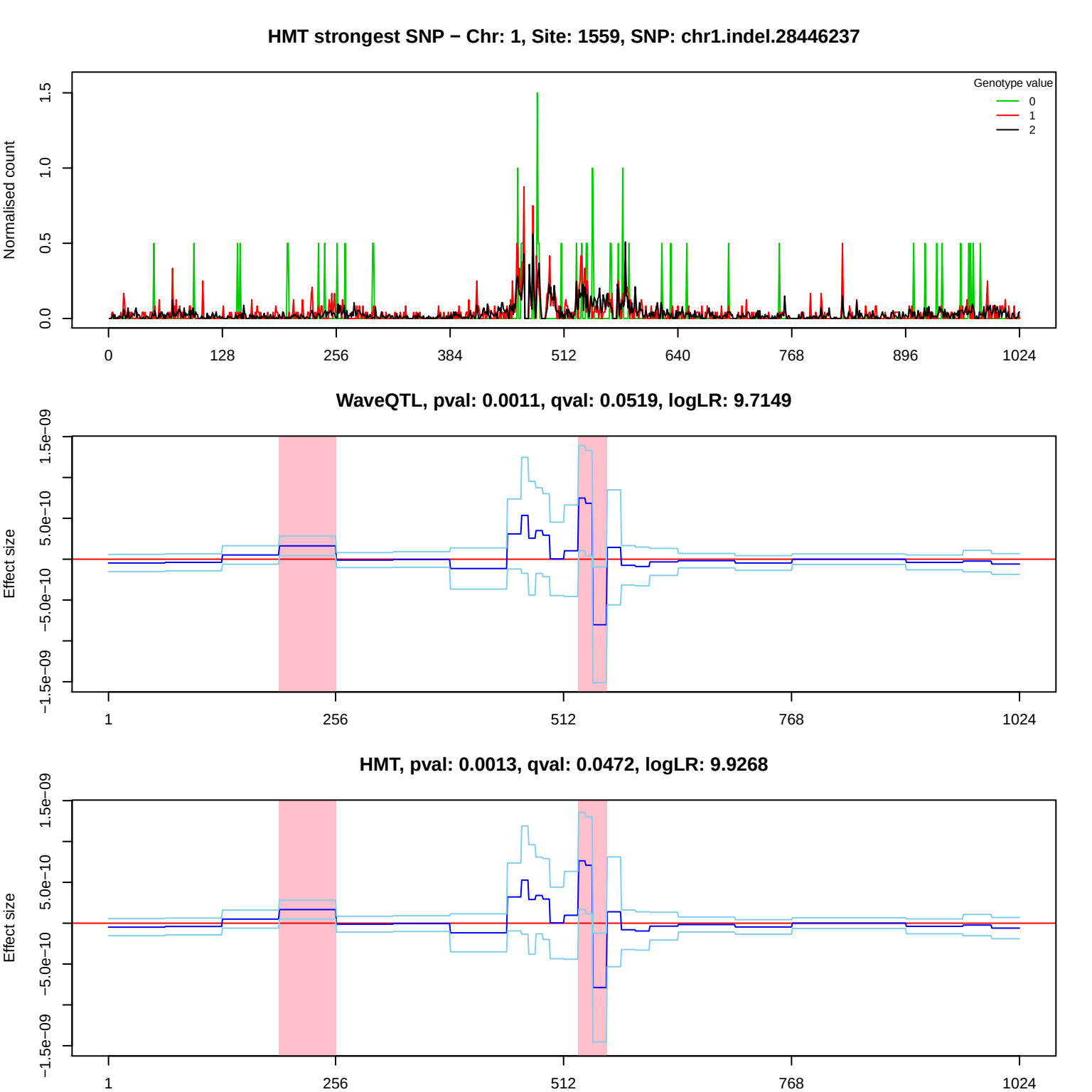

WaveQTL strongest SNP − Chr: 1, Site: 111, SNP: chr1.1217275
Normalised count
Genotype value
0
1
2
0.0
0.5
1.0
1.5
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 23.009
Effect size
5.0e−10
−1.0e−09
−2.5e−09
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 23.0495
Effect size
5.0e−10
−1.0e−09
−2.5e−09
1
256
512
768
1024

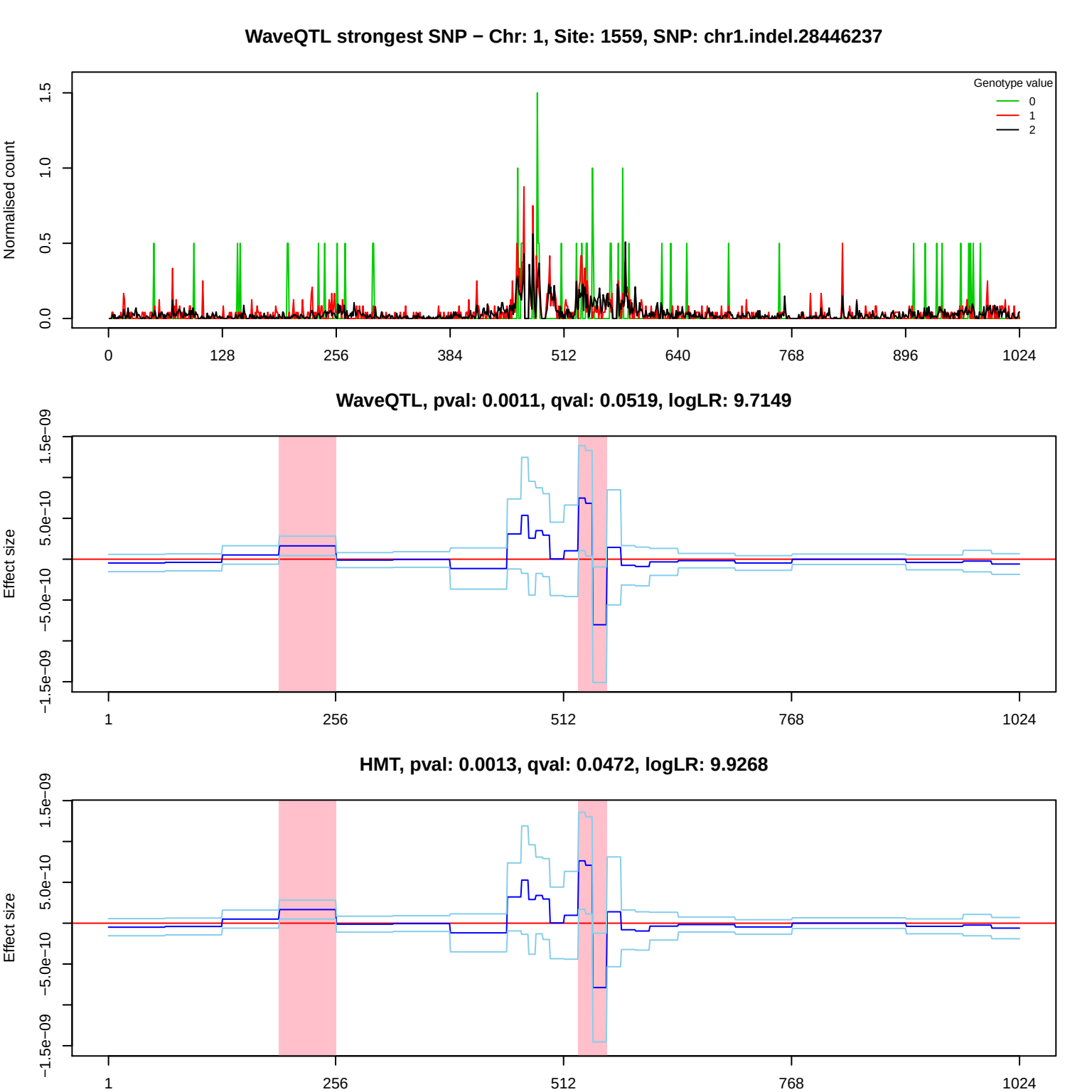

HMT strongest SNP − Chr: 1, Site: 453, SNP: chr1.3693901
Normalised count
0.00
0.10
0.20
0.30
Genotype value
2
0
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 2e−04, qval: 0.0155, logLR: 20.4686
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024
HMT, pval: 2e−04, qval: 0.0113, logLR: 20.5166
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024

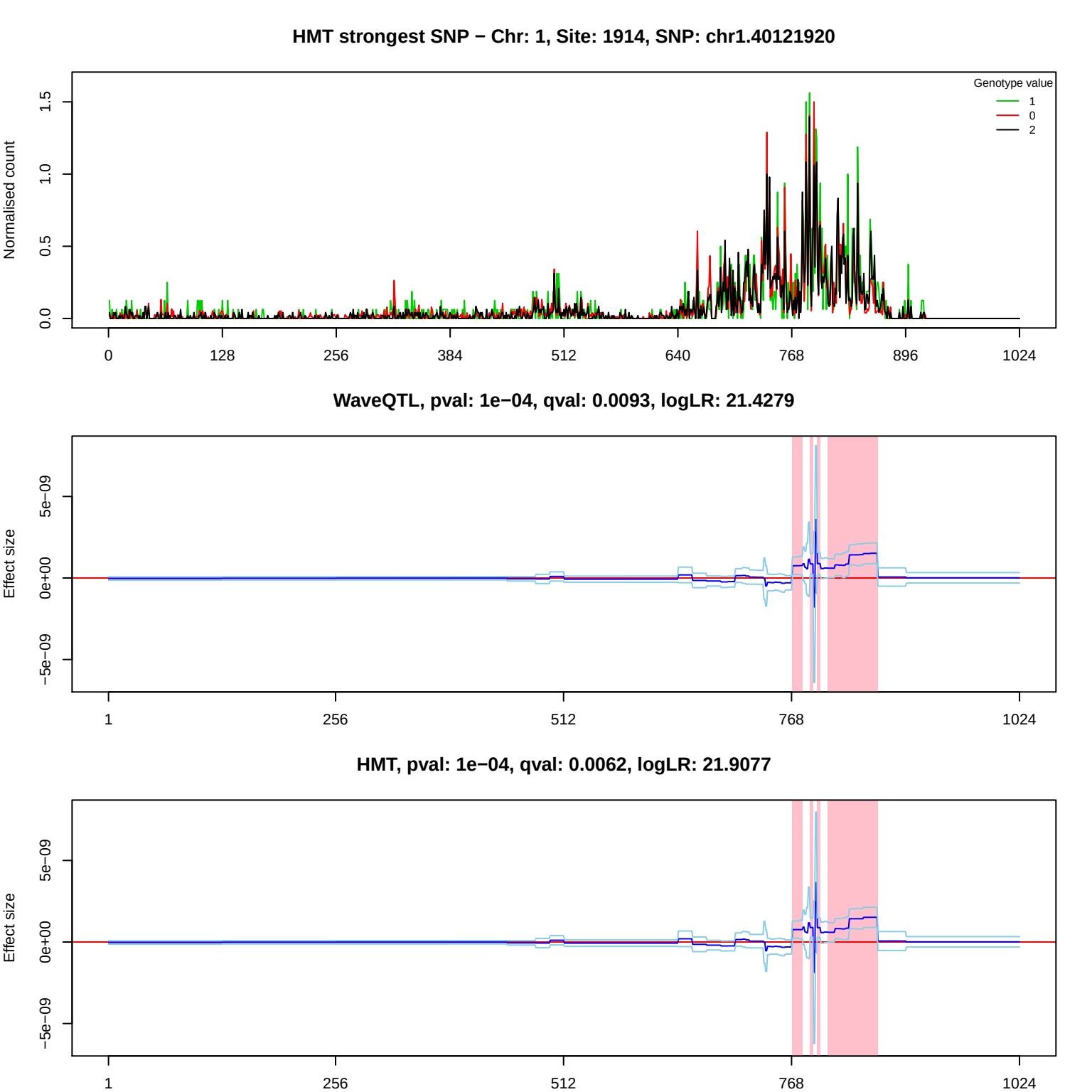

WaveQTL strongest SNP − Chr: 1, Site: 453, SNP: chr1.3693901
Normalised count
0.00
0.10
0.20
0.30
Genotype value
2
0
1
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 2e−04, qval: 0.0155, logLR: 20.4686
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024
HMT, pval: 2e−04, qval: 0.0113, logLR: 20.5166
Effect size
2e−10
−2e−10
−6e−10
1
256
512
768
1024

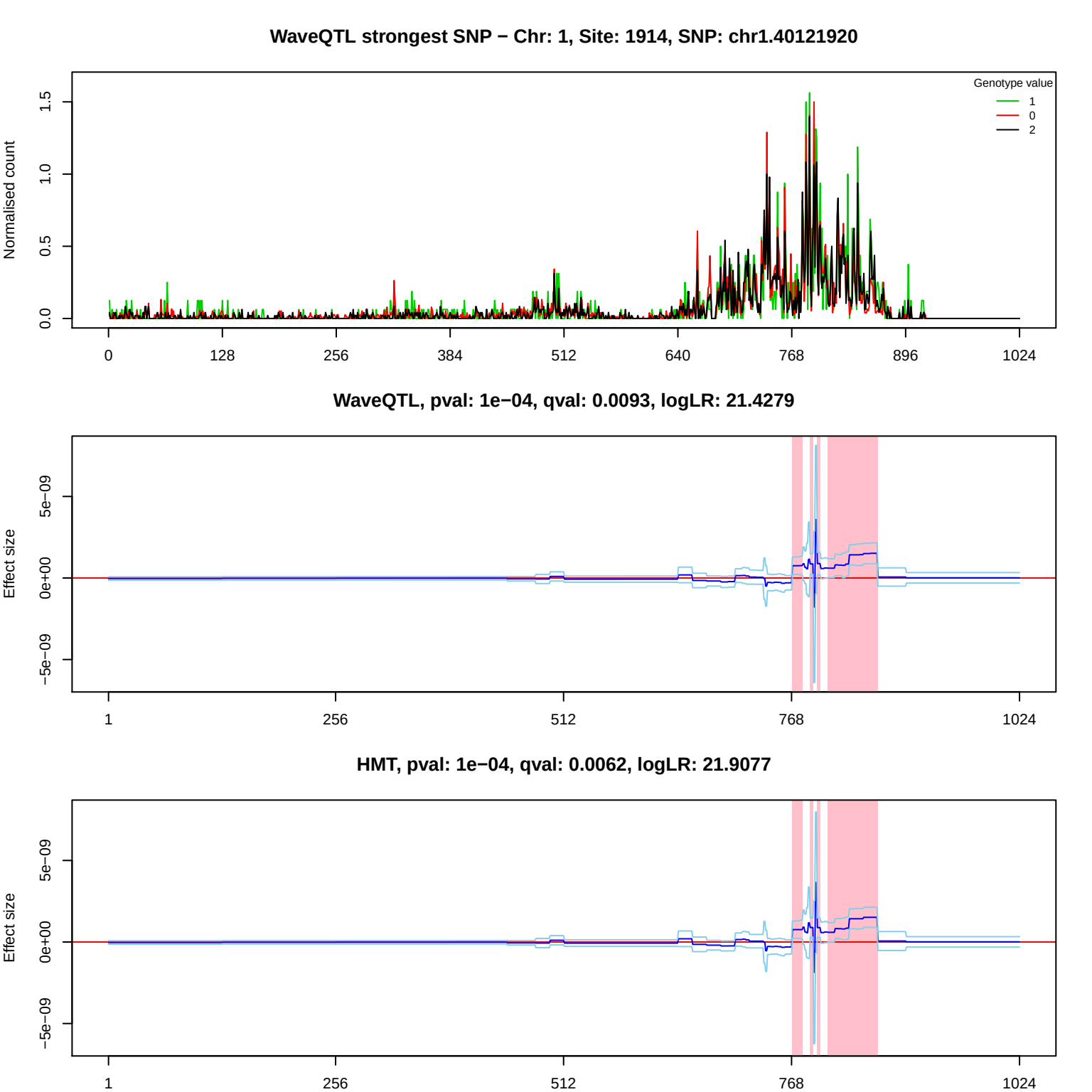

HMT strongest SNP − Chr: 1, Site: 1396, SNP: chr1.26320326
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 2e−04, qval: 0.0155, logLR: 12.4276
Effect size
0e+00
−2e−10
−4e−10
1
256
512
768
1024
HMT, pval: 2e−04, qval: 0.0113, logLR: 12.4766
Effect size
0e+00
−2e−10
−4e−10
1
256
512
768
1024

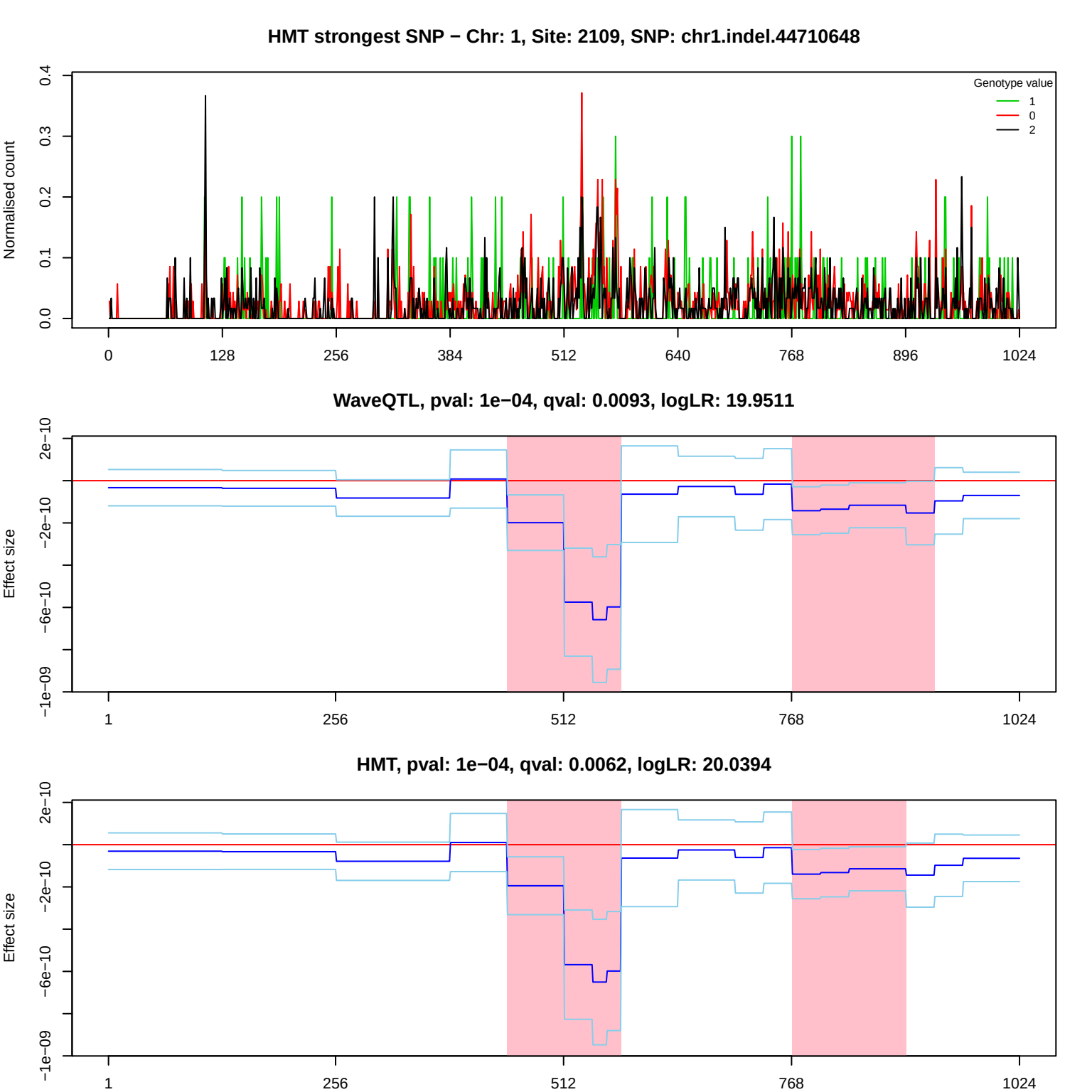

WaveQTL strongest SNP − Chr: 1, Site: 1396, SNP: chr1.26320326
Normalised count
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 2e−04, qval: 0.0155, logLR: 12.4276
Effect size
0e+00
−2e−10
−4e−10
1
256
512
768
1024
HMT, pval: 2e−04, qval: 0.0113, logLR: 12.4766
Effect size
0e+00
−2e−10
−4e−10
1
256
512
768
1024

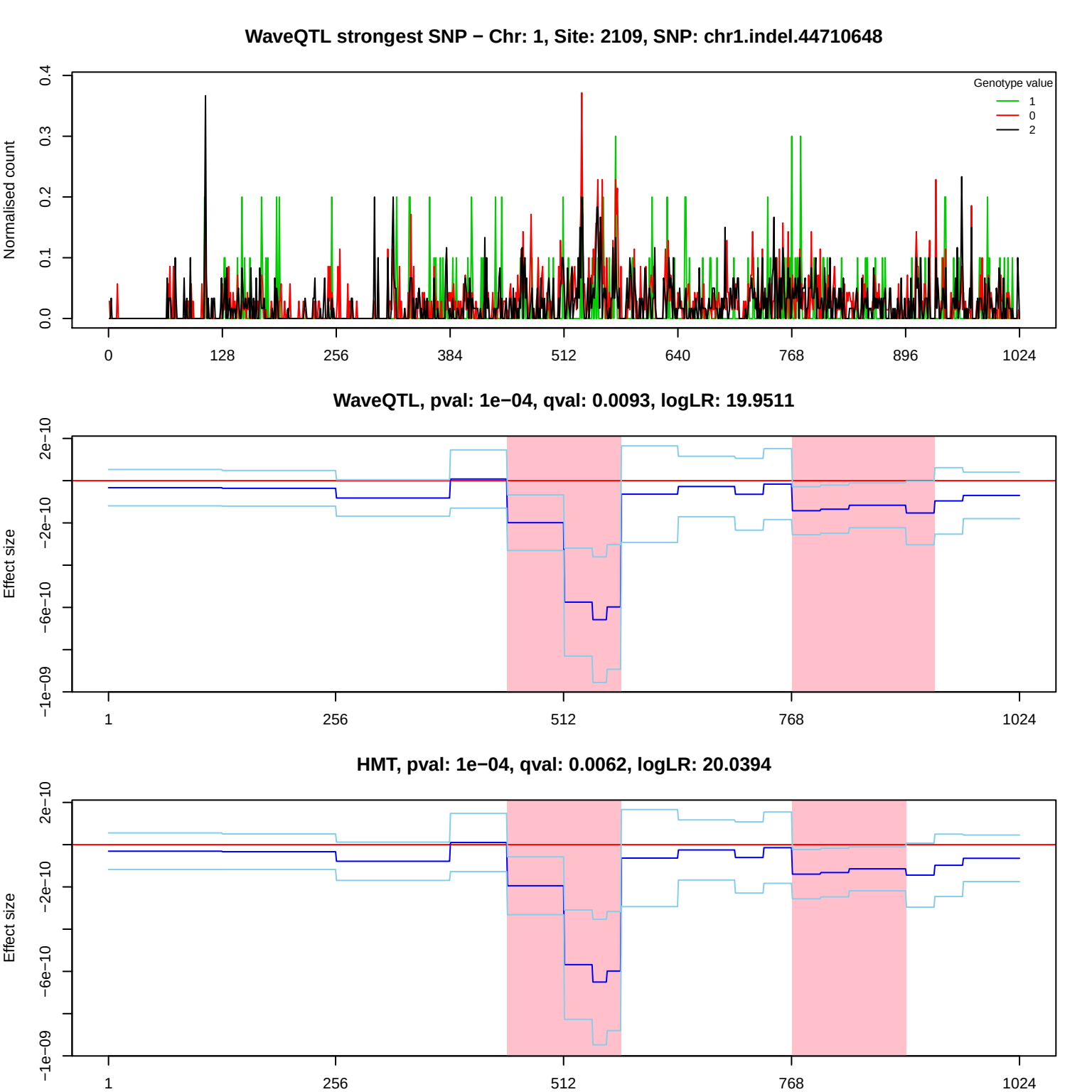

HMT strongest SNP − Chr: 1, Site: 1559, SNP: chr1.indel.28446237
Normalised count
Genotype value
0
1
2
0.0
0.5
1.0
1.5
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 0.0011, qval: 0.0519, logLR: 9.7149
Effect size
1.5e−09
5.0e−10
−5.0e−10
−1.5e−09
1
256
512
768
1024
HMT, pval: 0.0013, qval: 0.0472, logLR: 9.9268
Effect size
1.5e−09
5.0e−10
−5.0e−10
−1.5e−09
1
256
512
768
1024


WaveQTL strongest SNP − Chr: 1, Site: 1559, SNP: chr1.indel.28446237
Normalised count
0.0
0.5
1.0
1.5
Genotype value
0
1
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 0.0011, qval: 0.0519, logLR: 9.7149
Effect size
−1.5e−09
−5.0e−10
5.0e−10
1.5e−09
1
256
512
768
1024
HMT, pval: 0.0013, qval: 0.0472, logLR: 9.9268
Effect size
−1.5e−09
−5.0e−10
5.0e−10
1.5e−09
1
256
512
768
1024


HMT strongest SNP − Chr: 1, Site: 1914, SNP: chr1.40121920
Normalised count
0.0
0.5
1.0
1.5
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 21.4279
Effect size
−5e−09
0e+00
5e−09
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 21.9077
Effect size
−5e−09
0e+00
5e−09
1
256
512
768
1024


WaveQTL strongest SNP − Chr: 1, Site: 1914, SNP: chr1.40121920
Genotype value
1
0
2
Normalised count
0.0
0.5
1.0
1.5
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 21.4279
Effect size
5e−09
0e+00
−5e−09
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 21.9077
Effect size
5e−09
0e+00
−5e−09
1
256
512
768
1024


HMT strongest SNP − Chr: 1, Site: 2109, SNP: chr1.indel.44710648
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 19.9511
Effect size
−1e−09
−6e−10
−2e−10
2e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 20.0394
Effect size
−1e−09
−6e−10
−2e−10
2e−10
1
256
512
768
1024


WaveQTL strongest SNP − Chr: 1, Site: 2109, SNP: chr1.indel.44710648
Normalised count
0.0
0.1
0.2
0.3
0.4
Genotype value
1
0
2
0
128
256
384
512
640
768
896
1024
WaveQTL, pval: 1e−04, qval: 0.0093, logLR: 19.9511
Effect size
−1e−09
−6e−10
−2e−10
2e−10
1
256
512
768
1024
HMT, pval: 1e−04, qval: 0.0062, logLR: 20.0394
Effect size
−1e−09
−6e−10
−2e−10
2e−10
1
256
512
768
1024