

Trichloroethylene exposure alters dimethylated histone three lysine four in protein kinase A signaling pathway chromatin of rat sperm.

Stermer, AR, Wilson, SK, Klein, D, Hall, SJ, and Boekelheide, K.

11 pages, 10 figures

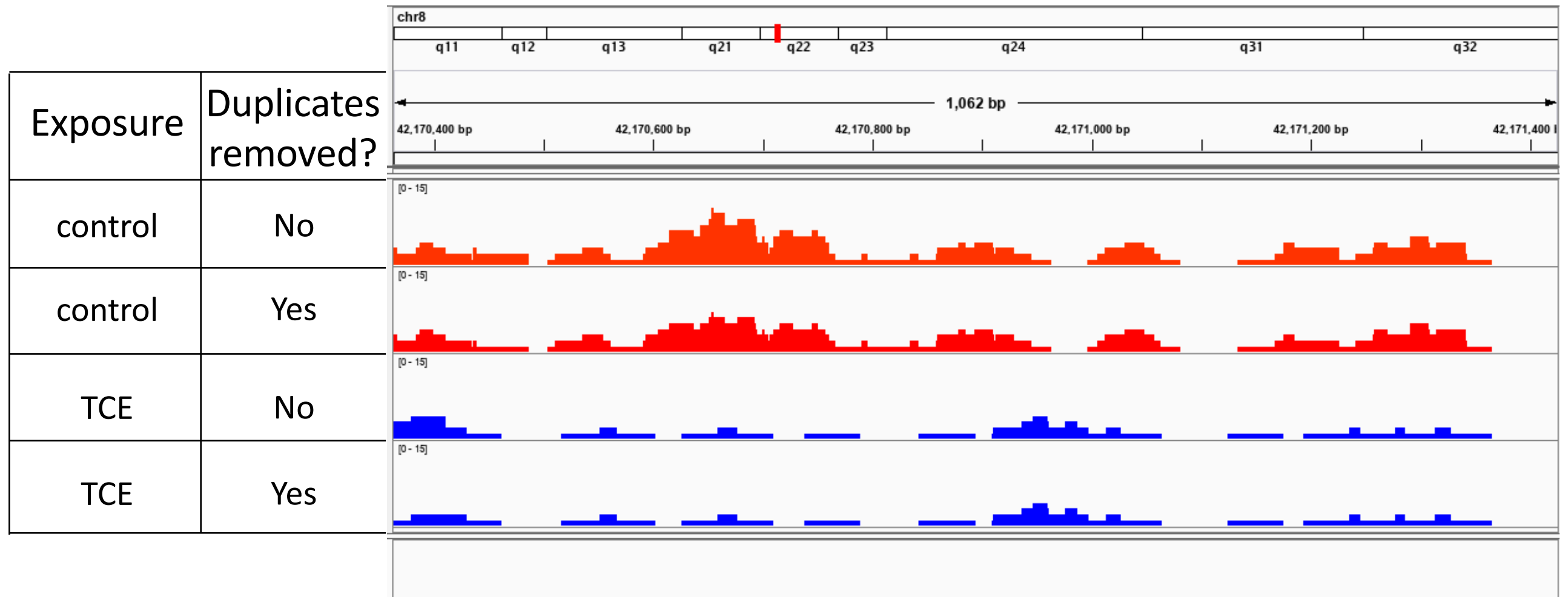


Figure S2. Browser tracks of read coverage for differential region of H3K4me2 binding within an intergenic region on chromosome 8. Tracks are as follows- Top- combined control samples without duplicates removed, 2nd- combined control samples with duplicates removed, 3rd- combined TCE exposed samples without duplicates removed, Bottom- combined TCE exposed samples with duplicates removed. Diffreps fold change -2.1 (TCE exposed compared to control), p adjusted value = 9.6e-05

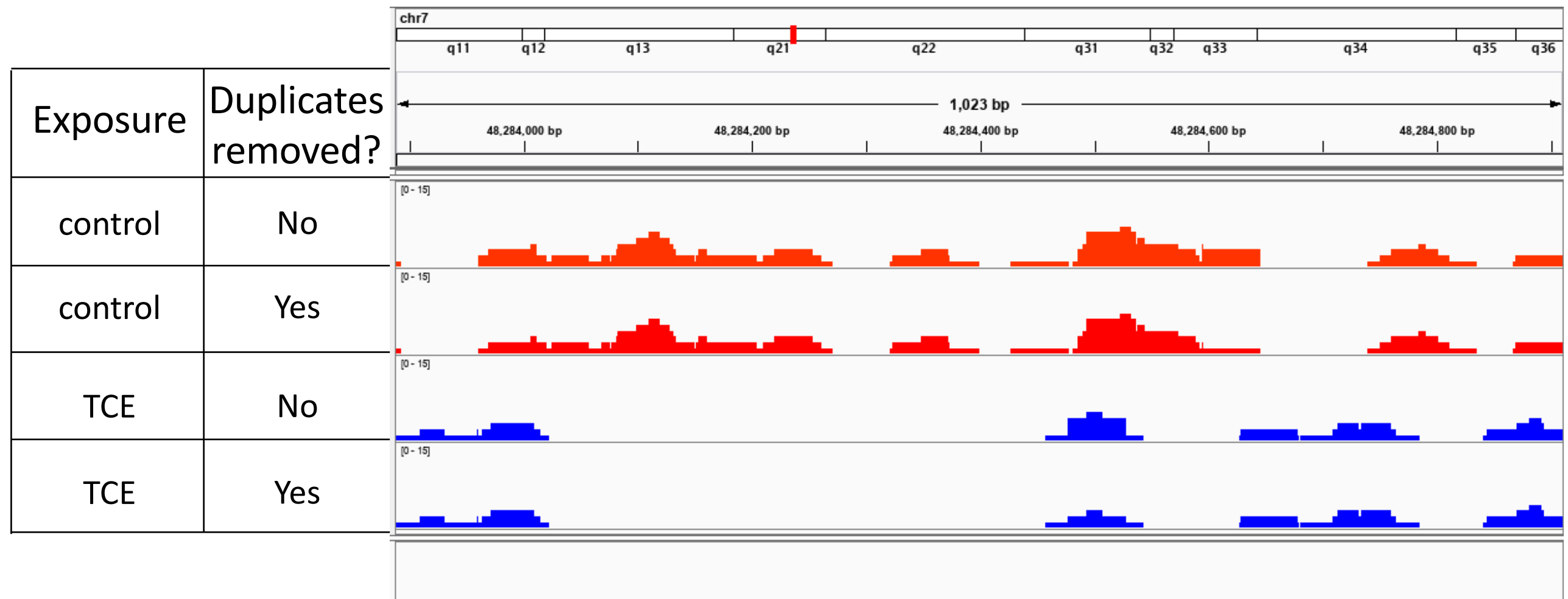


Figure S3. Browser tracks of read coverage for differential region of H3K4me2 binding within an intergenic region on chromosome 7. Tracks are as follows- Top- combined control samples without duplicates removed, 2nd- combined control samples with duplicates removed, 3rd- combined TCE exposed samples without duplicates removed, Bottom- combined TCE exposed samples with duplicates removed. Diffreps fold change -2.02 (TCE exposed compared to control), p adjusted value = 0.0017

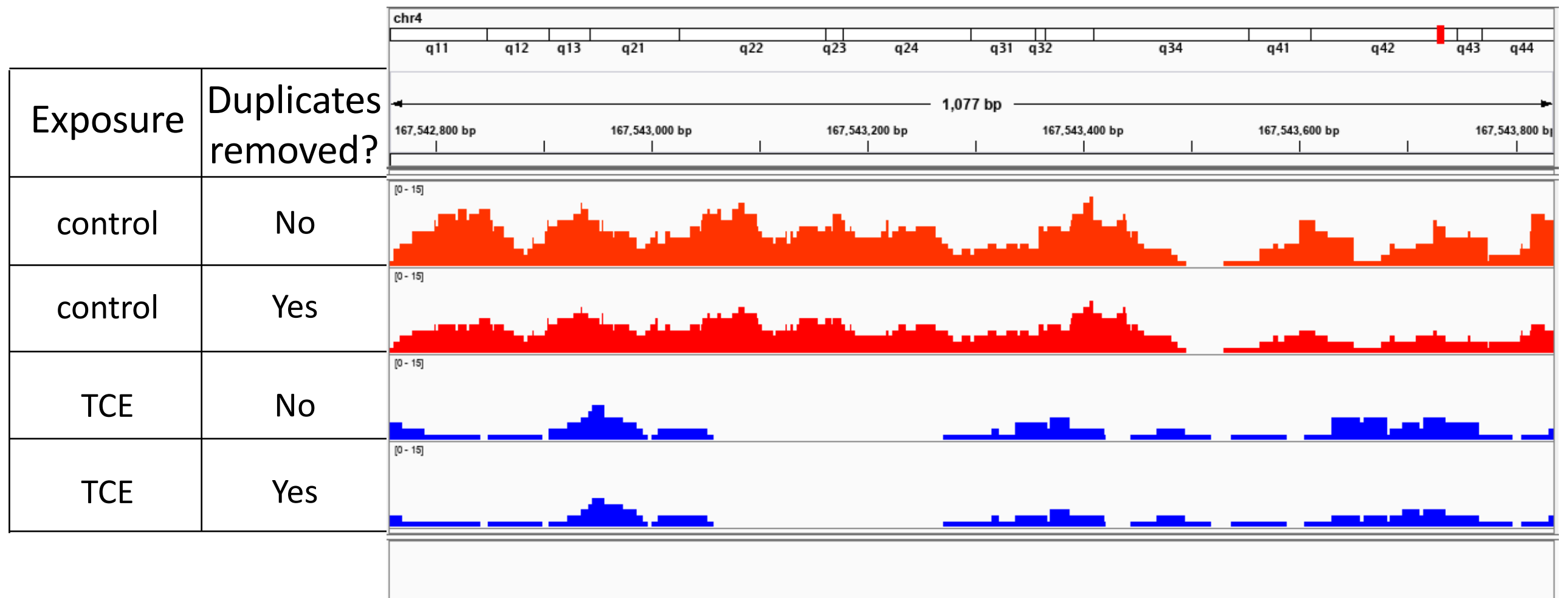


Figure S4. Browser tracks of read coverage for differential region of H3K4me2 binding within an intergenic region on chromosome 4. Tracks are as follows- Top- combined control samples without duplicates removed, 2nd- combined control samples with duplicates removed, 3rd- combined TCE exposed samples without duplicates removed, Bottom- combined TCE exposed samples with duplicates removed. Diffreps fold change -1.99 (TCE exposed compared to control), p adjusted value = 8.5e-05

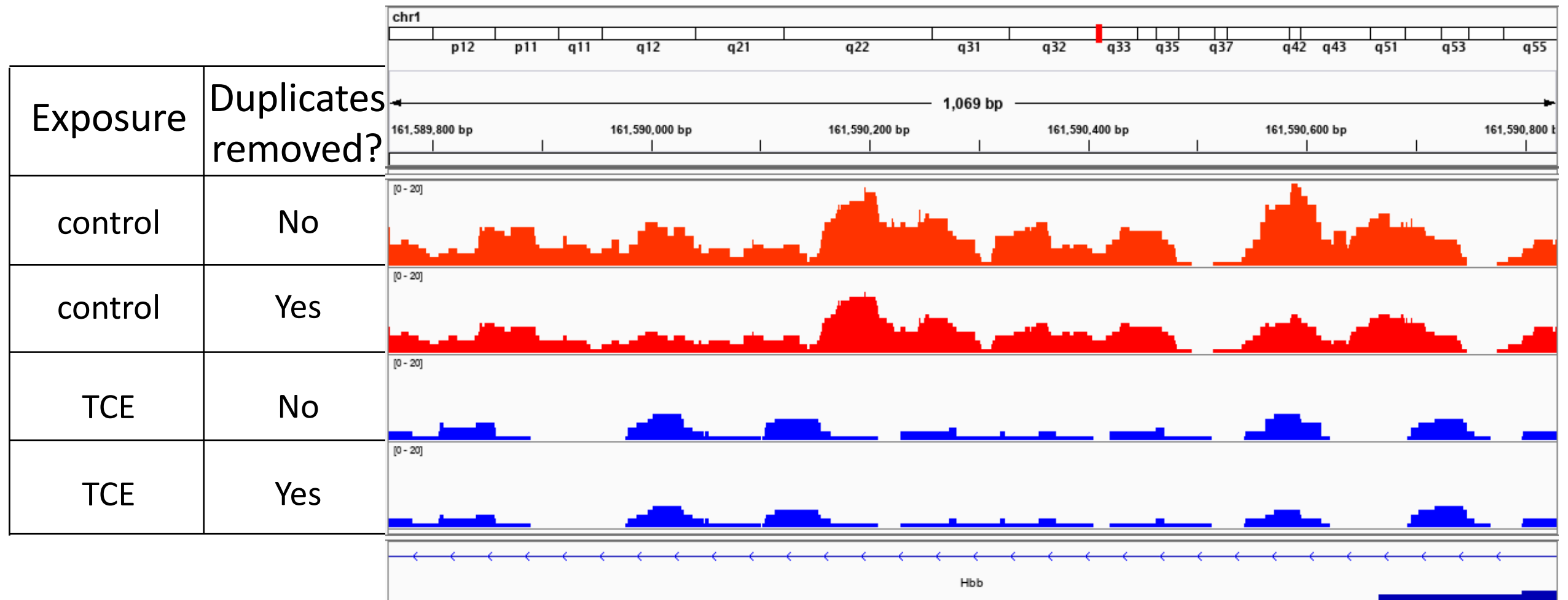


Figure S5. Browser tracks of read coverage for differential region of H3K4me2 binding within the gene body of Hbb. Tracks are as follows- Top- combined control samples without duplicates removed, 2nd- combined control samples with duplicates removed, 3rd- combined TCE exposed samples without duplicates removed, Bottom- combined TCE exposed samples with duplicates removed. Diffreps fold change -1.98 (TCE exposed compared to control), p adjusted value = 0.0071

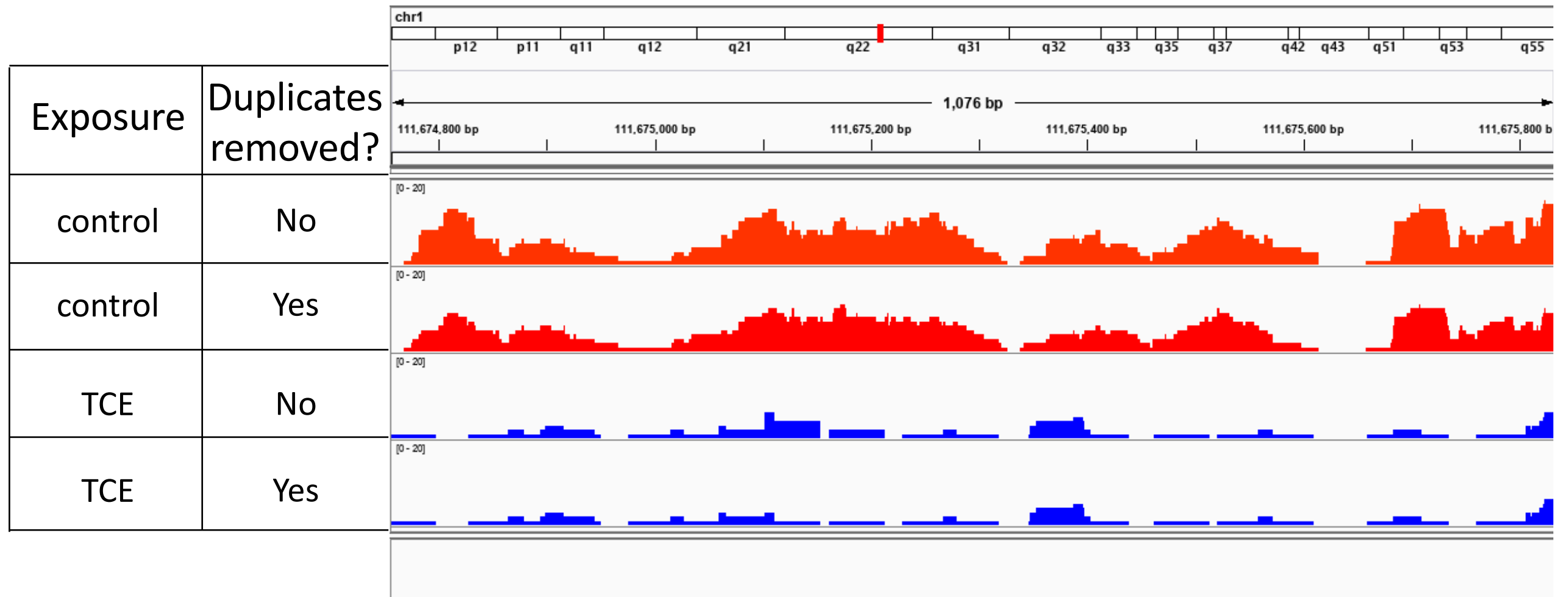


Figure S6. Browser tracks of read coverage for differential region of H3K4me2 binding within an intergenic region on chromosome 1. Tracks are as follows- Top- combined control samples without duplicates removed, 2nd- combined control samples with duplicates removed, 3rd- combined TCE exposed samples without duplicates removed, Bottom- combined TCE exposed samples with duplicates removed. Diffreps fold change -1.97 (TCE exposed compared to control), p adjusted value = 0.0041

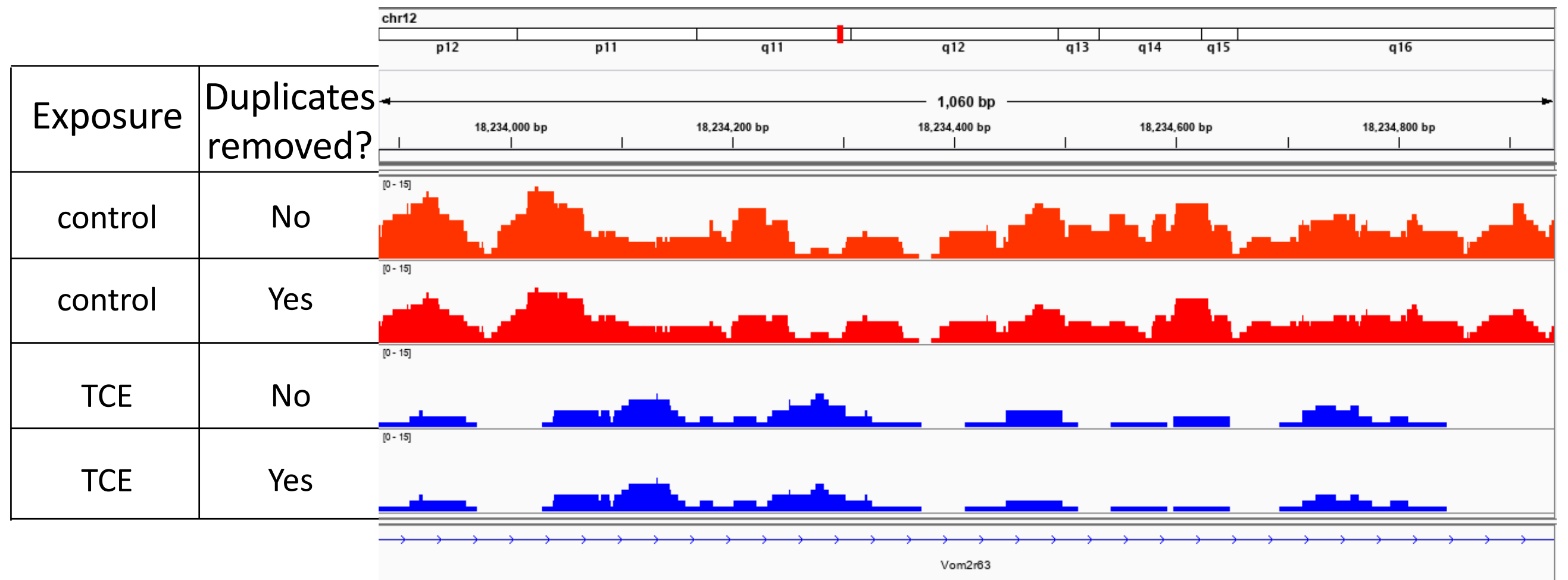


Figure S7. Browser tracks of read coverage for differential region of H3K4me2 binding within the gene body of Vom2r63. Tracks are as follows- Top- combined control samples without duplicates removed, 2nd- combined control samples with duplicates removed, 3rd- combined TCE exposed samples without duplicates removed, Bottom- combined TCE exposed samples with duplicates removed. Diffreps fold change -1.94 (TCE exposed compared to control), p adjusted value = 6.3e-05

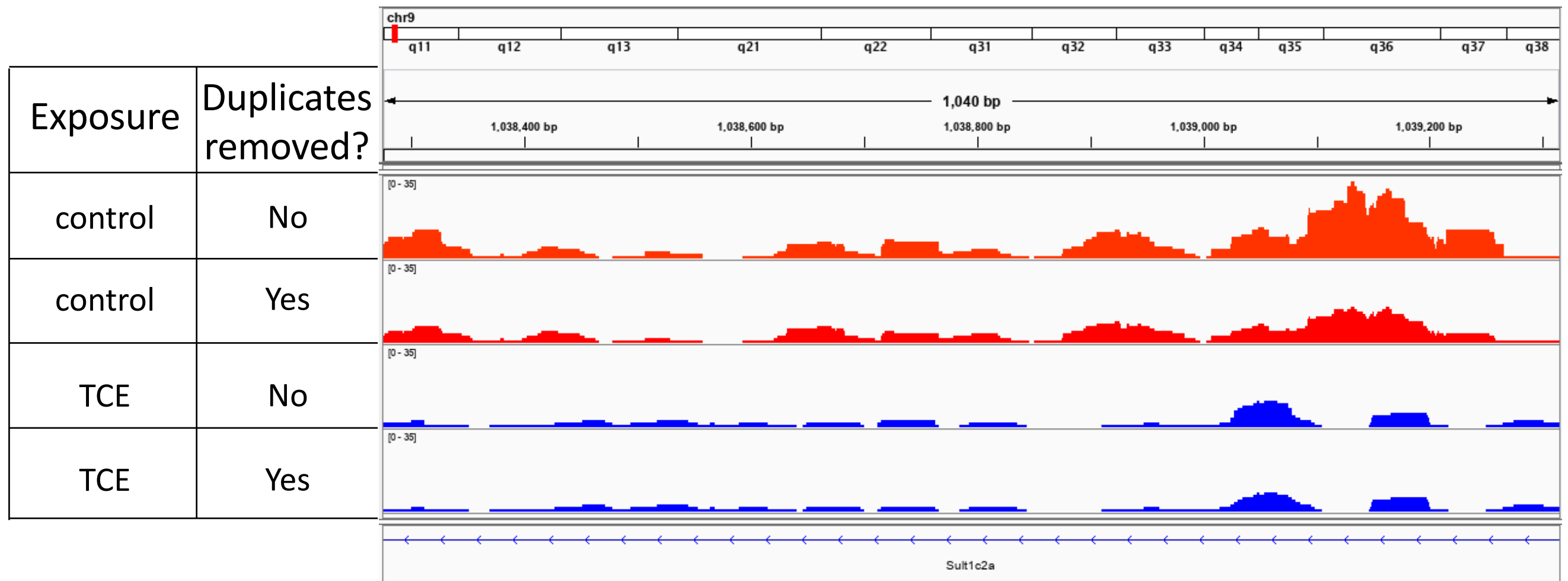


Figure S8. Browser tracks of read coverage for differential region of H3K4me2 binding within the gene body of Sult1c2a. Tracks are as follows- Top- combined control samples without duplicates removed, 2nd- combined control samples with duplicates removed, 3rd- combined TCE exposed samples without duplicates removed, Bottom- combined TCE exposed samples with duplicates removed. Diffreps fold change -1.91 (TCE exposed compared to control), p adjusted value = 5.9e-04

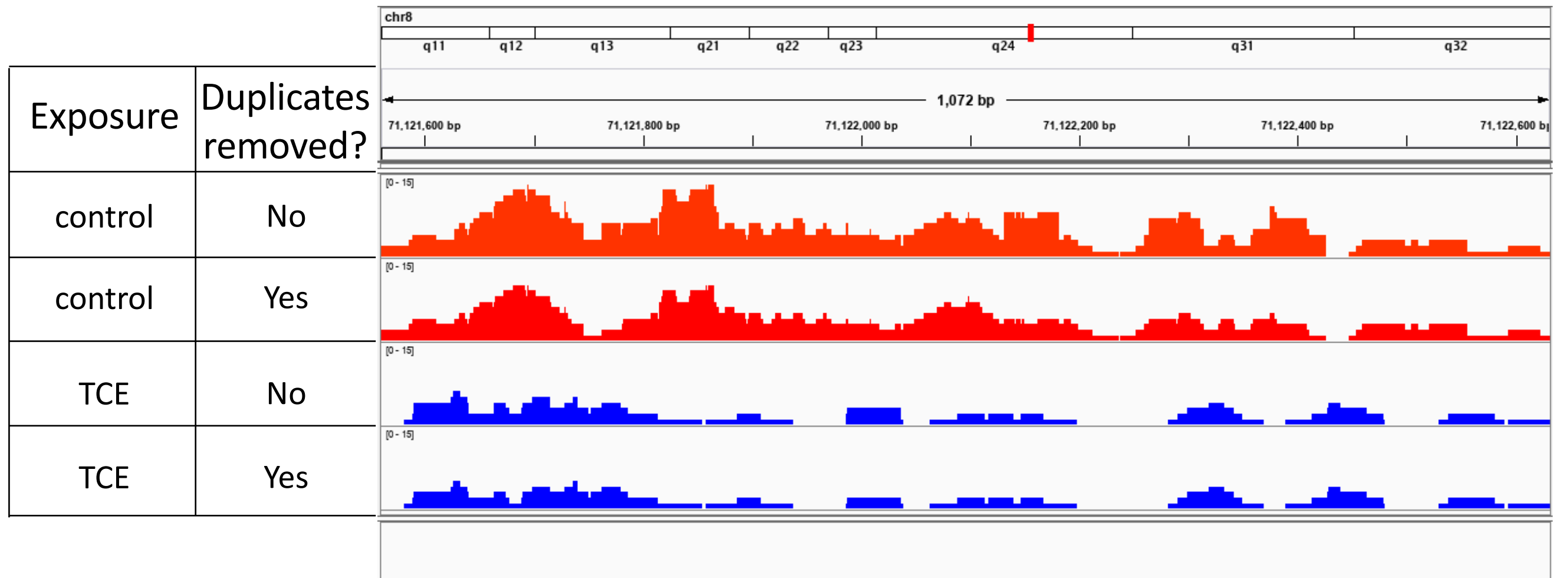


Figure S9. Browser tracks of read coverage for differential region of H3K4me2 binding just upstream of Aph1b. Tracks are as follows- Top- combined control samples without duplicates removed, 2nd- combined control samples with duplicates removed, 3rd- combined TCE exposed samples without duplicates removed, Bottom- combined TCE exposed samples with duplicates removed. Diffreps fold change -1.89 (TCE exposed compared to control), p adjusted value = 0.0043

