

Z Genome versus Others Comparisons with Somatator

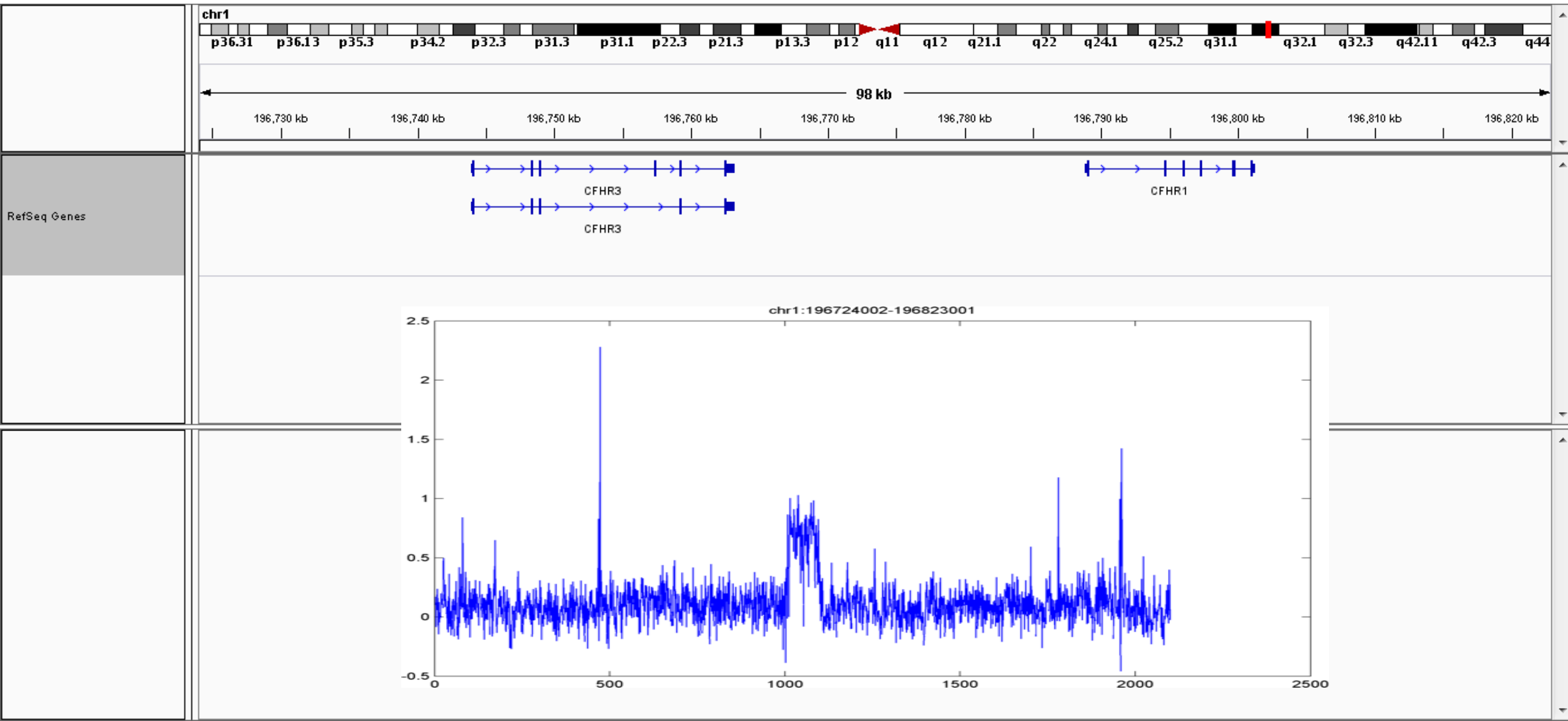
Pairwise sample comparison for “differential” CNV Analysis

- Compare copy numbers in genomes in a pairwise fashion
 - Subject "Z" vs Snyder
 - Subject "Z" vs GM12878
- Used 1,000 bp bins
- Looked at segments at 3 smoothing scales: 120bins (focal), 1500bins (medium) and 10,000bins (large scale)
- Used the segments that have good confidence and selected the segments that show non-diploid copy numbers

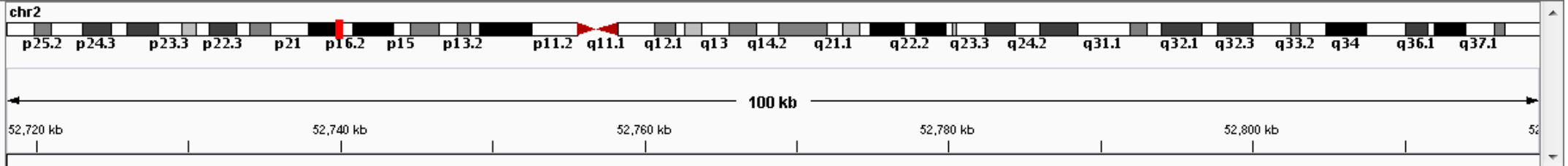
Pairwise Comparison with Somatator

- Events larger than 10kb
- Subject "Z" versus Snyder: 131 events in total
 - 43 deletions
 - 88 amplifications
- Subject "Z" versus NA12878: 397 events in total
 - 341 deletions
 - 56 amplifications

Chr1:196724002-196823001: ENSG00000116785.9 ENSG00000244414.2 ENSG00000080910.7
ENSG00000134365.8

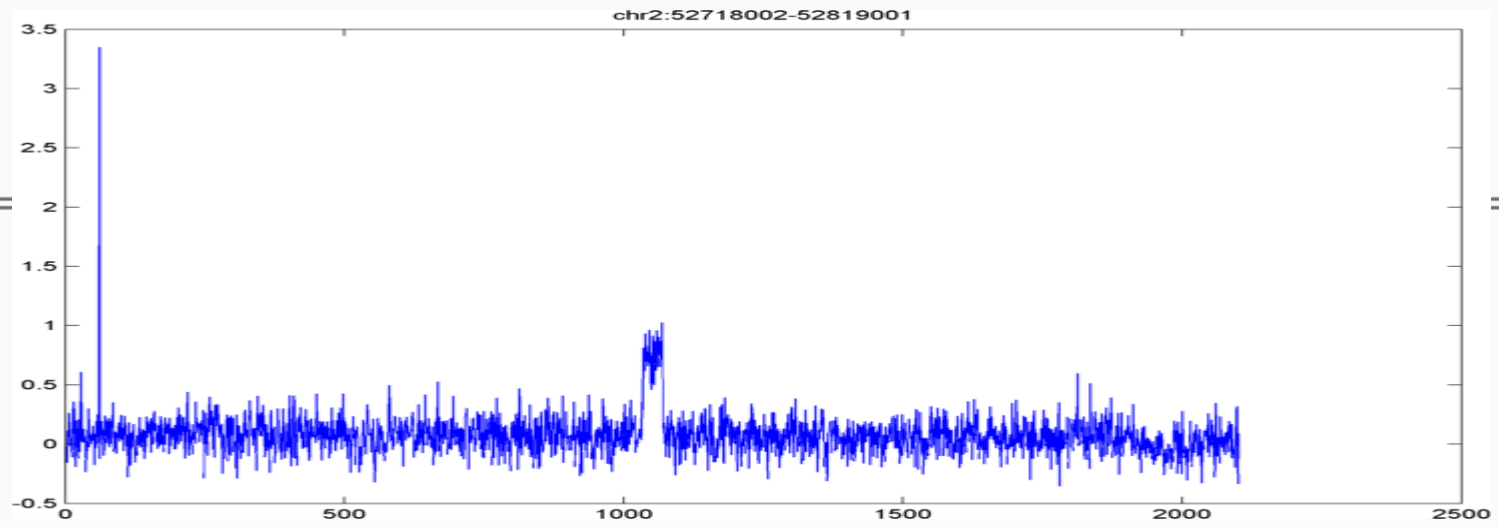
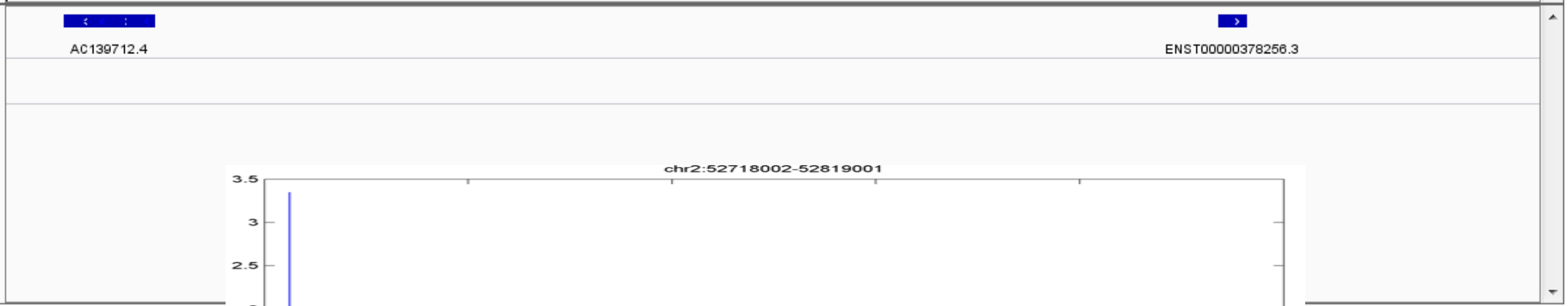


chr2 52718002 52819001: ENSG00000236837.1 ENSG00000204993.3



Gencode Genes (v18)

RefSeq Genes



chr3:46,766,002-46,852,001: ENSG00000206549.8 ENSG00000261603.1 ENSG00000188086.8
ENSG00000238013.1 ENSG00000226074.4

