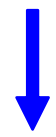


Start crop Point

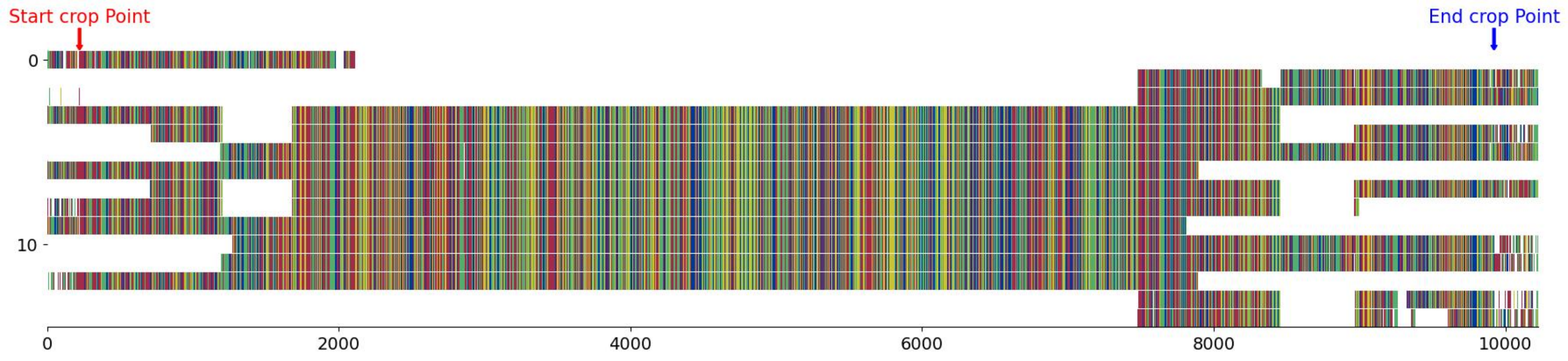


End crop Point



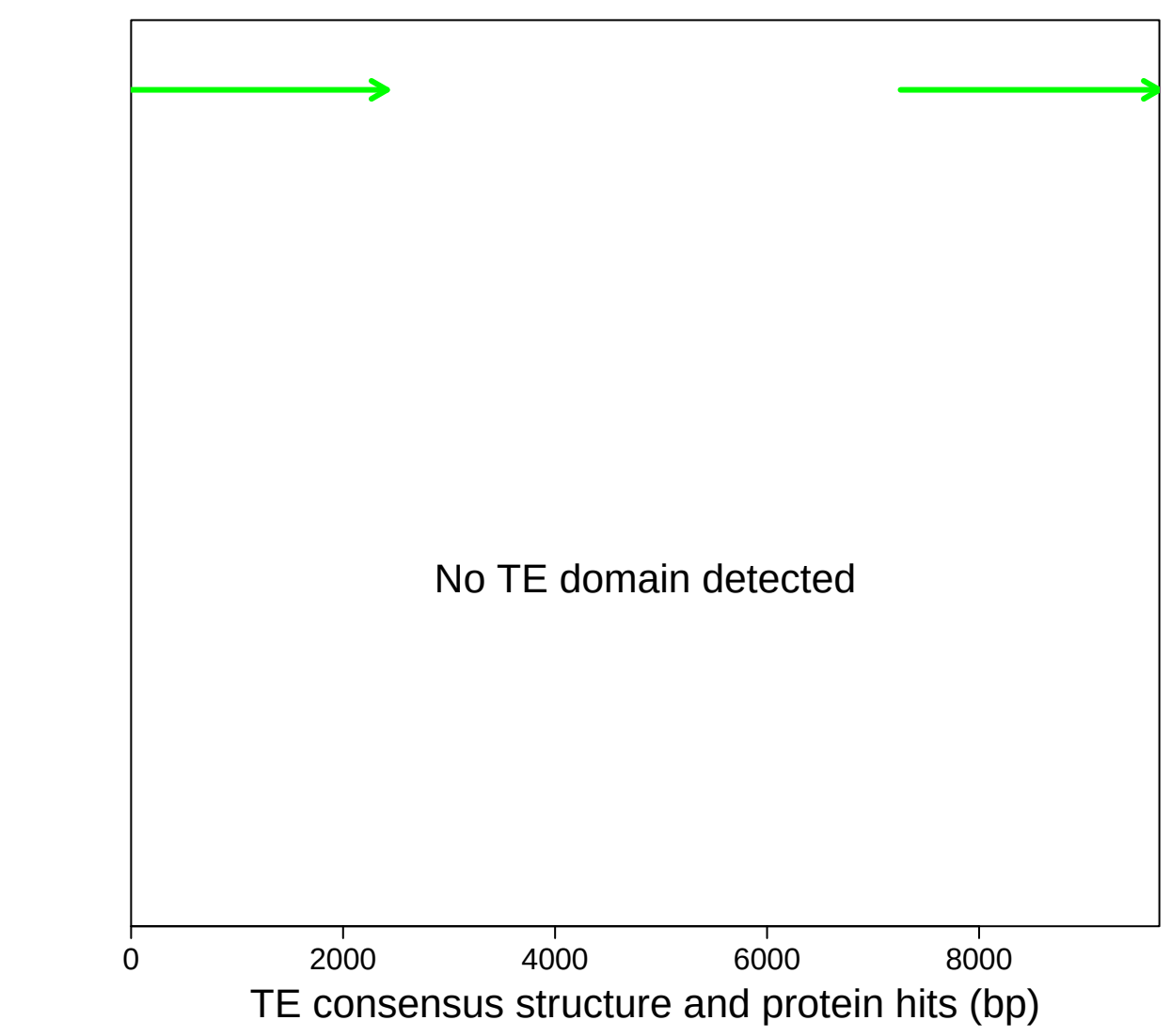
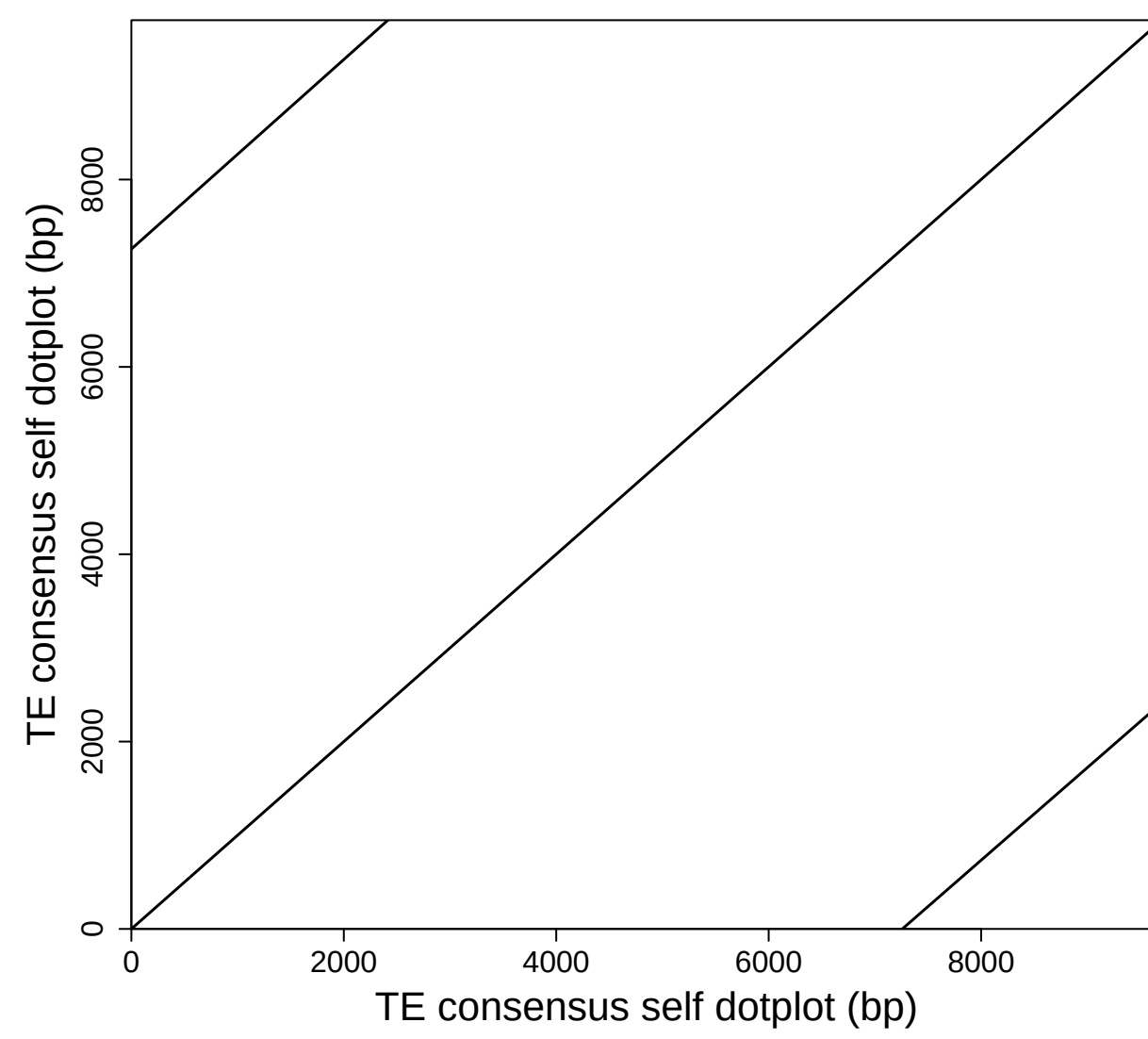
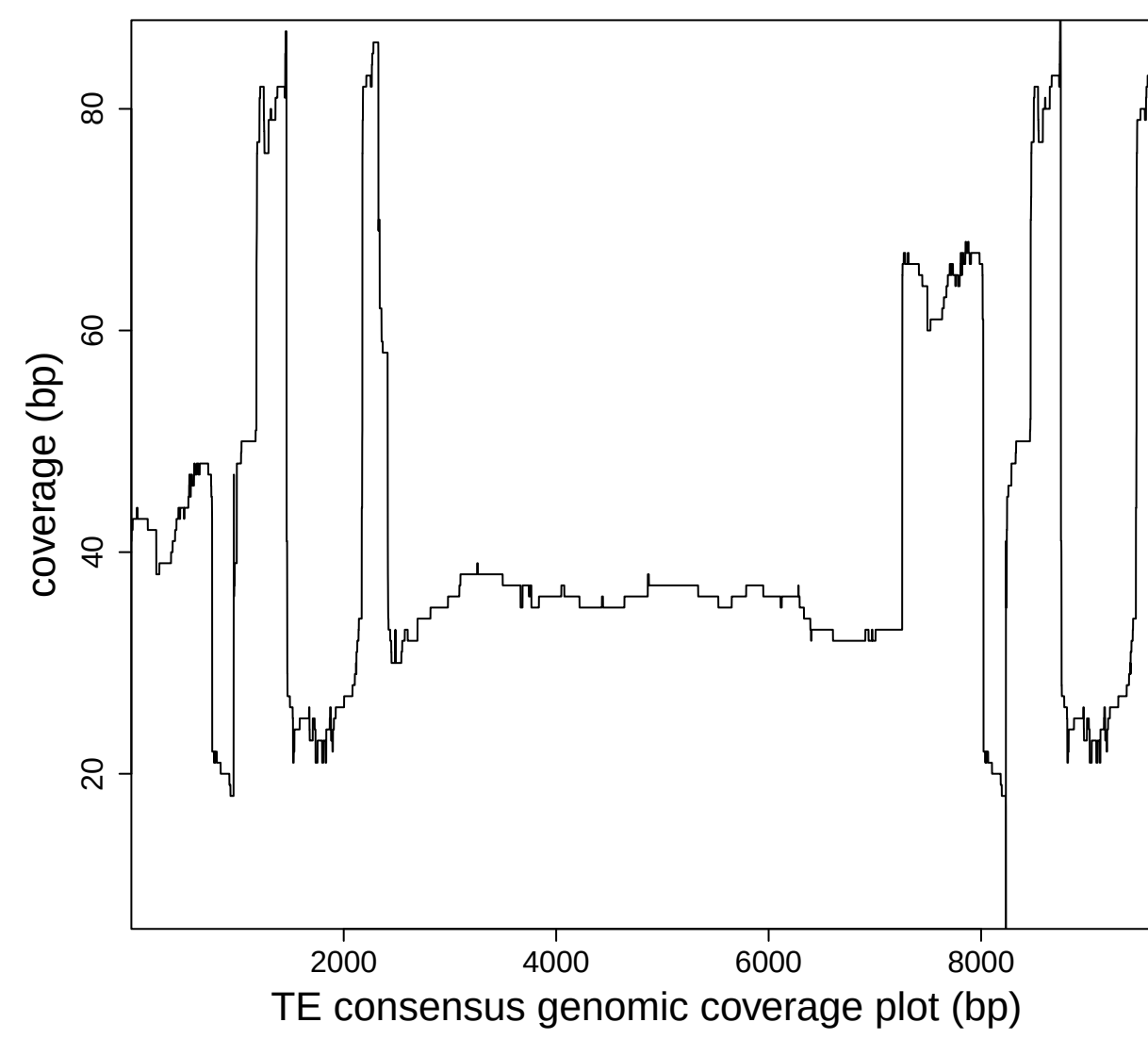
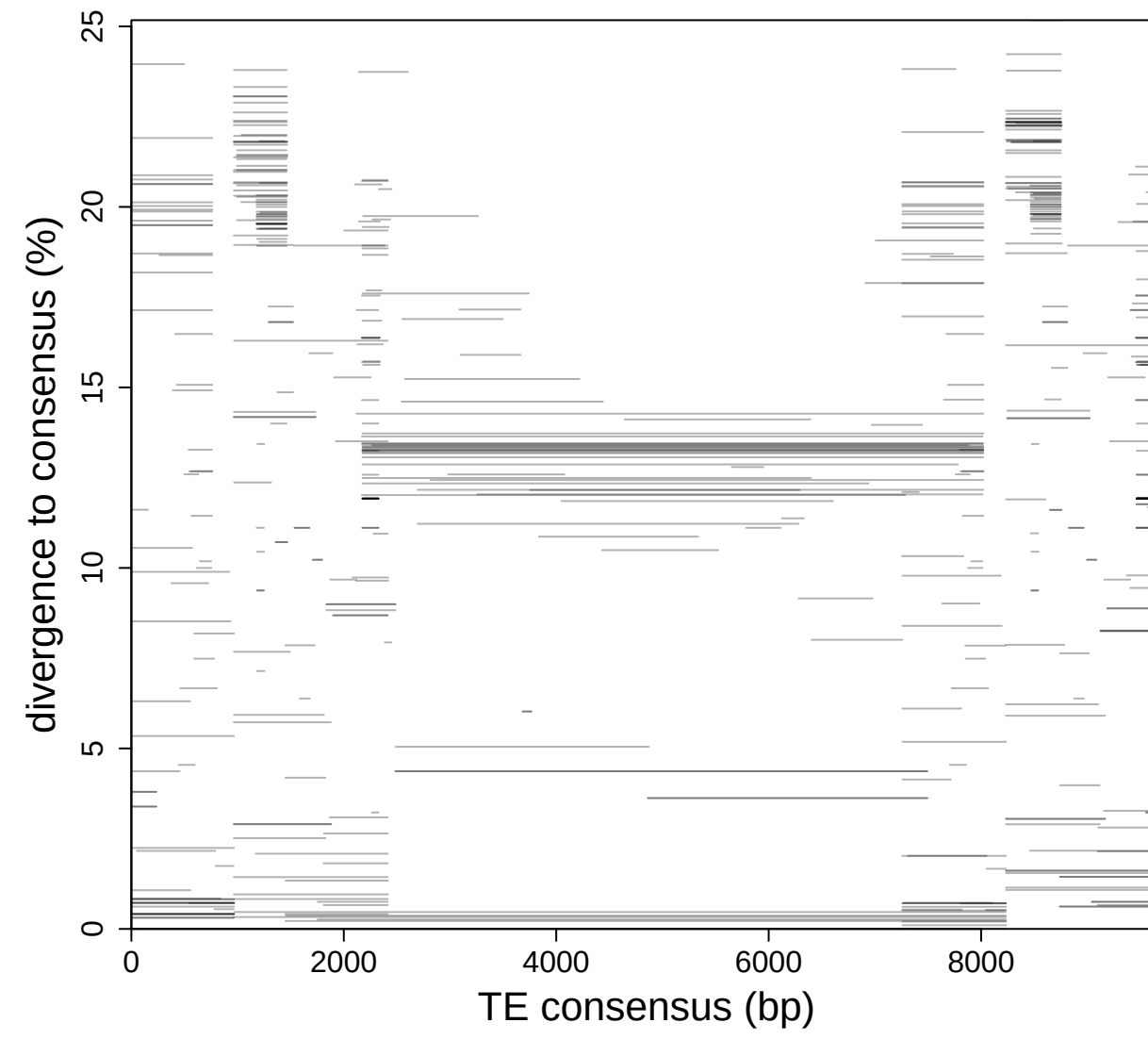
MSA length = 9701

CTACATATAATTGCATAATT**CG**AGTCTAATTCTT- - - - -TGATCATGTTACGGGTTCAATTTGTCCTTAGATTATTTTCCTCATTTTTCTTCATT- - - - -  
- - - - -TG- - - - -TTCTTCACAAAAATTTAGTTTT- TTTTGTTTTAAAAATAACGCCACAATTGTAATTA- TCAAGAAATTTATATTTTTTTATTAATATTTTAAAGAACTA  
-GCG- - - - -TGAT- - - - -TTCTTCACAAAAATTTAGTTTTTTTTTTGTTTTAAAAATAACGCCACAATTATAATTATATCAAAAAATTGGATTTTTTTTATTTAAAA**CC**TTCTTGATAA  
ATACATATAATTGAAAAATTTAAACTCATTTTTTTTTATTATTTT-ATAATGTTACGGGTTCAATTTGTCCTTAGATTATTTTCCTCATTTTTCTTCATT- - - - -  
- - - - -TTCTTCACAAAAATTTAGTTTTTTTTTTGTTTTAAAAATAACGCCACA- - - - -TTATATT**T**AAAAATTTAGT- - - - -AAAATTTAATTAA**CAT**  
- - - - -TTCTTCACAAAAATTTAGTTTT- TTTTGTTTTAAAAATAACGCCACAATTAGAATTAAGTTAAAAAATTTAAT- TTTTATGGGAAATT**C**AATTAATAA  
ATACATATAATTGCATAATTTAAATCCAATCTTCTTATTATTTTGAGT**C**TGTTACGGGTTCAATTTGTCCTTAGATTATTTTCCTCATTTTTCTTCATT- - - - -  
- - - - -TTCTTCACAAAAATTTAGTTTTTTTTTTGTTTTAAAAATAACGCCACAATTATATTTATATT**C**AAAAATCTAATTTTCTTG**TAT**GAAA**A**TTTAT**AAATAG**  
AT- - - - -AAC**C**TTA- - - - -TTATTATTTT- - - - -ATGTTACGGGTTCAATTTGTCCTTAGATTATTTTCCTCATTTTTCTTCATT- - - - -  
AAACATACAATTGCATAAT**C**TAAATCCGATTTTTTTGATTATTTGTG- -CATGTTACGGGTTCAATTTGTCCTTAGATTATTTTCCTCATTTTTCTTCATT- - - - -  
- - - - -TTCTTCACAAAAATTTAGTTTTTTTTTTGTTTTAAAAATAACGCCACA- - - - -AAAATTTA- TTAG**G**TTA  
- - - - -TTCTTCACAAAAATTTAGTTTTTTTTTTGTTTTAAAAATAACGCCACAATTATAA- ATATTAAT**T**AAATTTAATTTTTCTATTTAAAAATTTA- -AATAA  
- - - - -AATAATTACTT- ATTTAAATCCAATTTTTTTGTTATTTT-ATCATGTTACGGGTTCAATTTGTCCTTAGATTATTTTCCTCATTTTTCTTCATT- - - - -  
- - - - -TTCTTCACAAAAATTTAGTTTTTTTTTTGTTTTAAAAATAACGCCACA- - - - -TAC**C**TT- - - - -  
- - - - -TCCTTCACAAAA**T**TTAGTA**TT**TTTTTTTTTTGTTTTAAAAATAACGCCAC**G**- - - - -TTAAAT**T**AATCGGAAA- - -TAA**T**TAAAA- - -TTGATAA



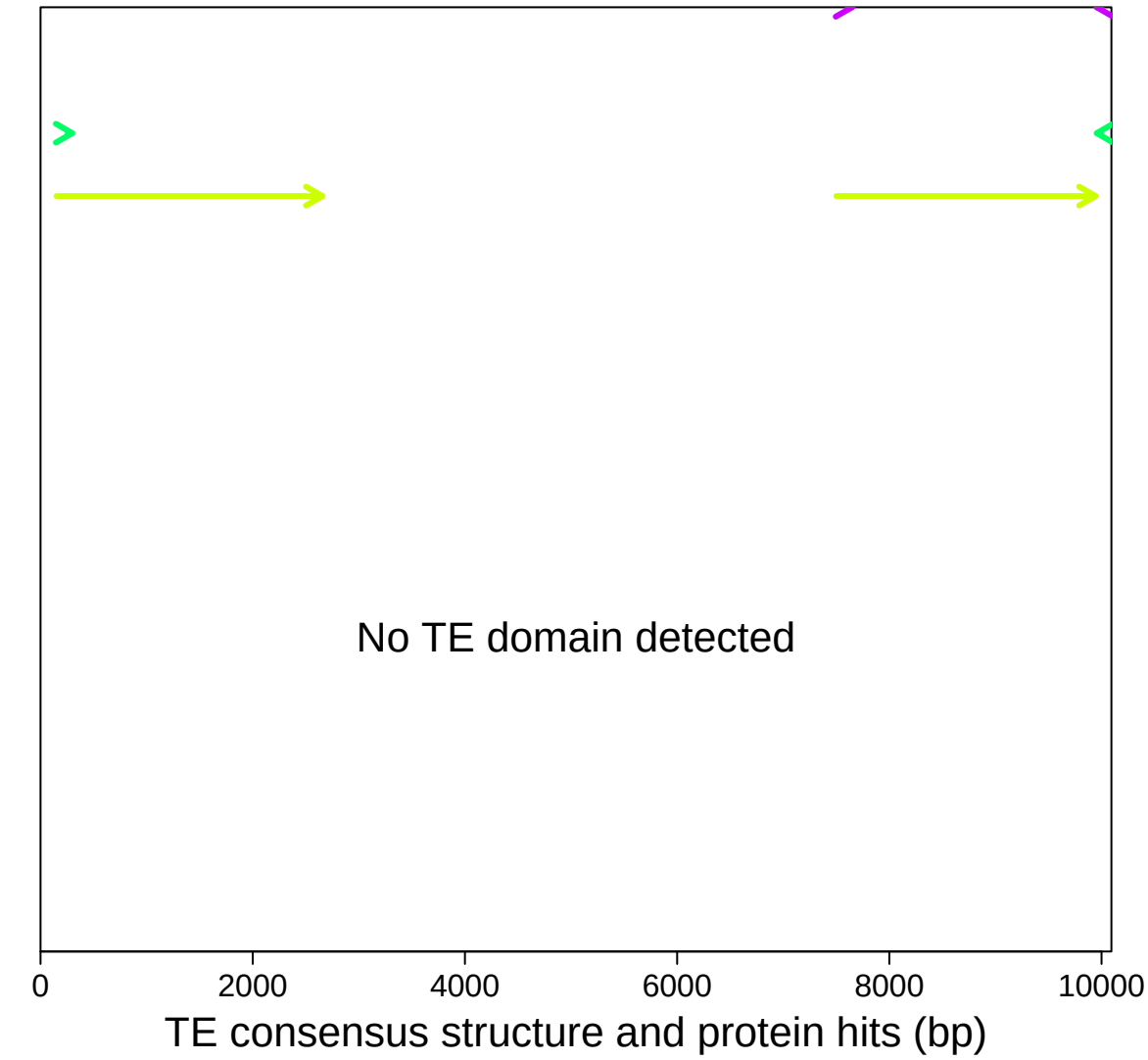
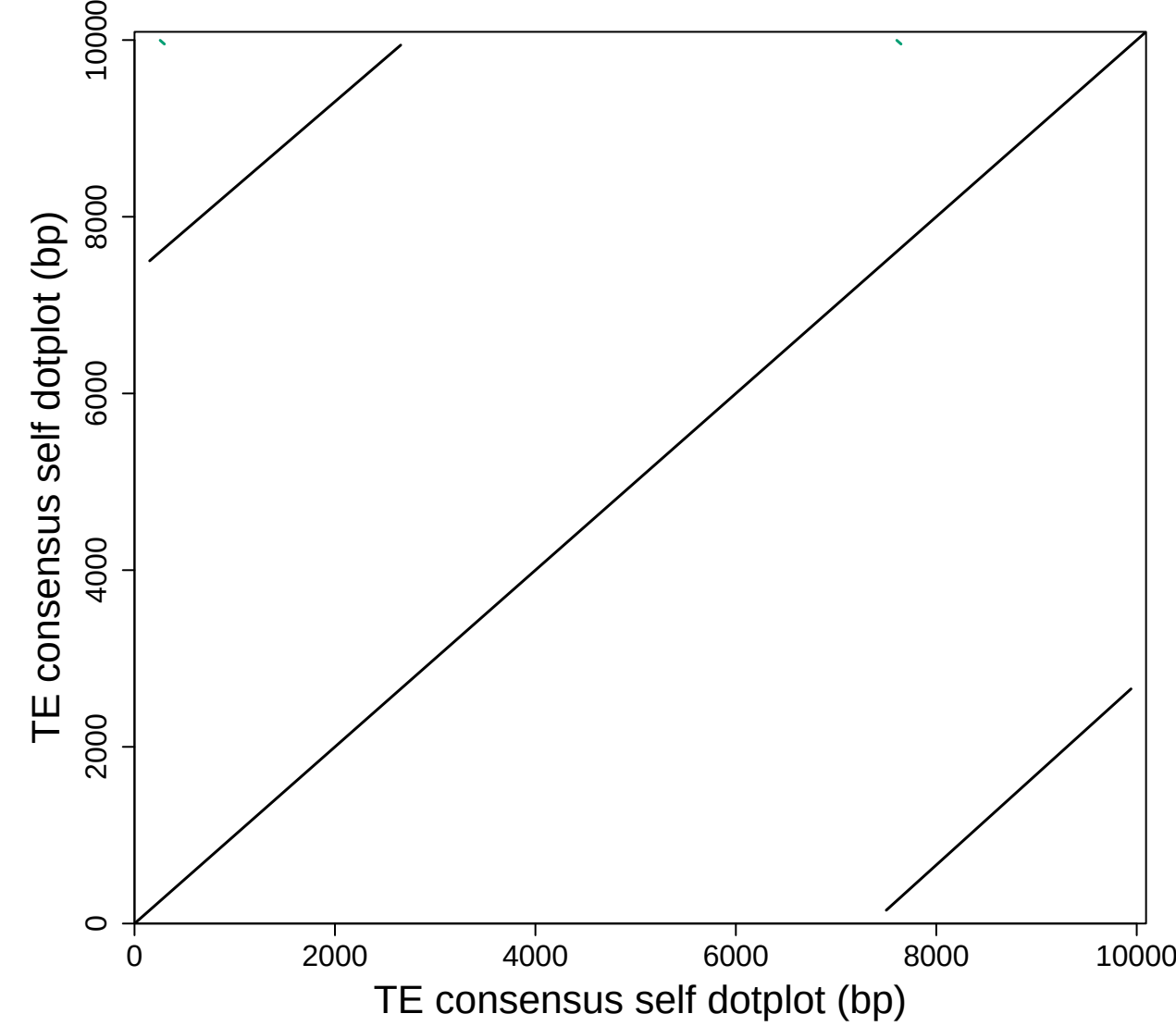
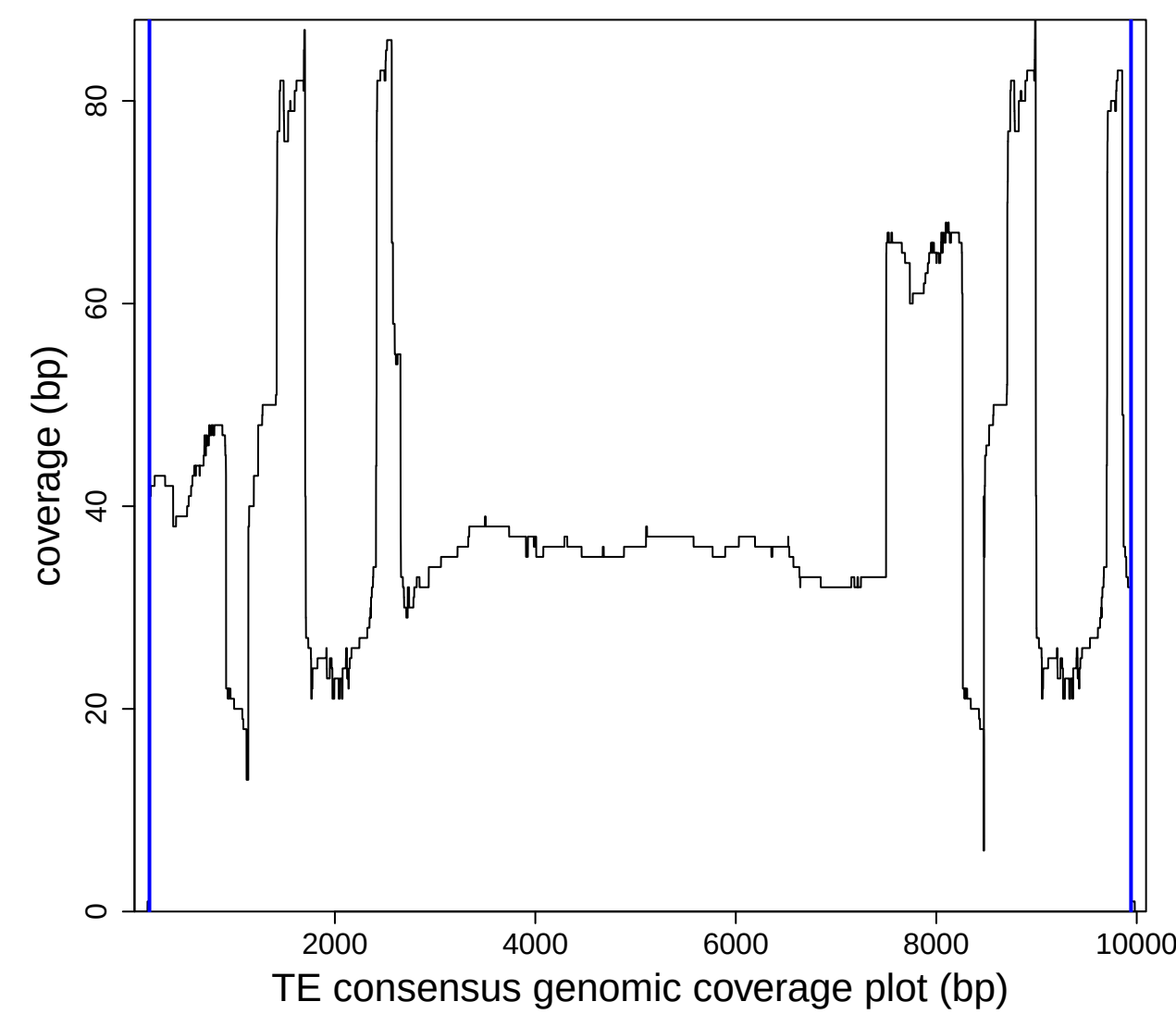
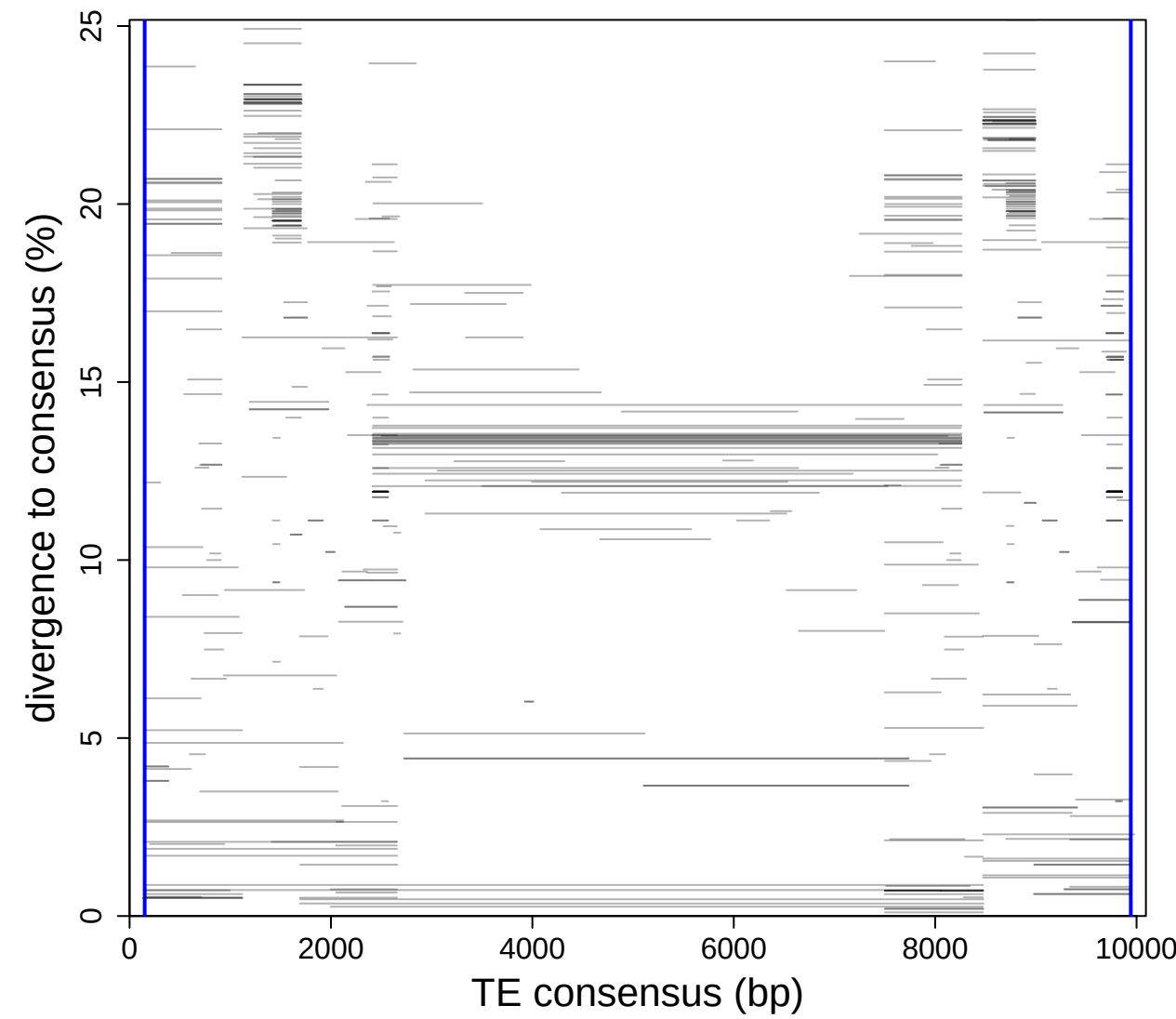
ed\_uf.bed\_g\_3.bed\_fm\_1.bed\_0\_0\_bcIn.fa\_aln.fa\_cl.fa\_gs.fa\_ce.  
size: 9701bp; fragments: 503; full length: 0 (>=8730.9bp)

# After TEtrimmer 9701 bp

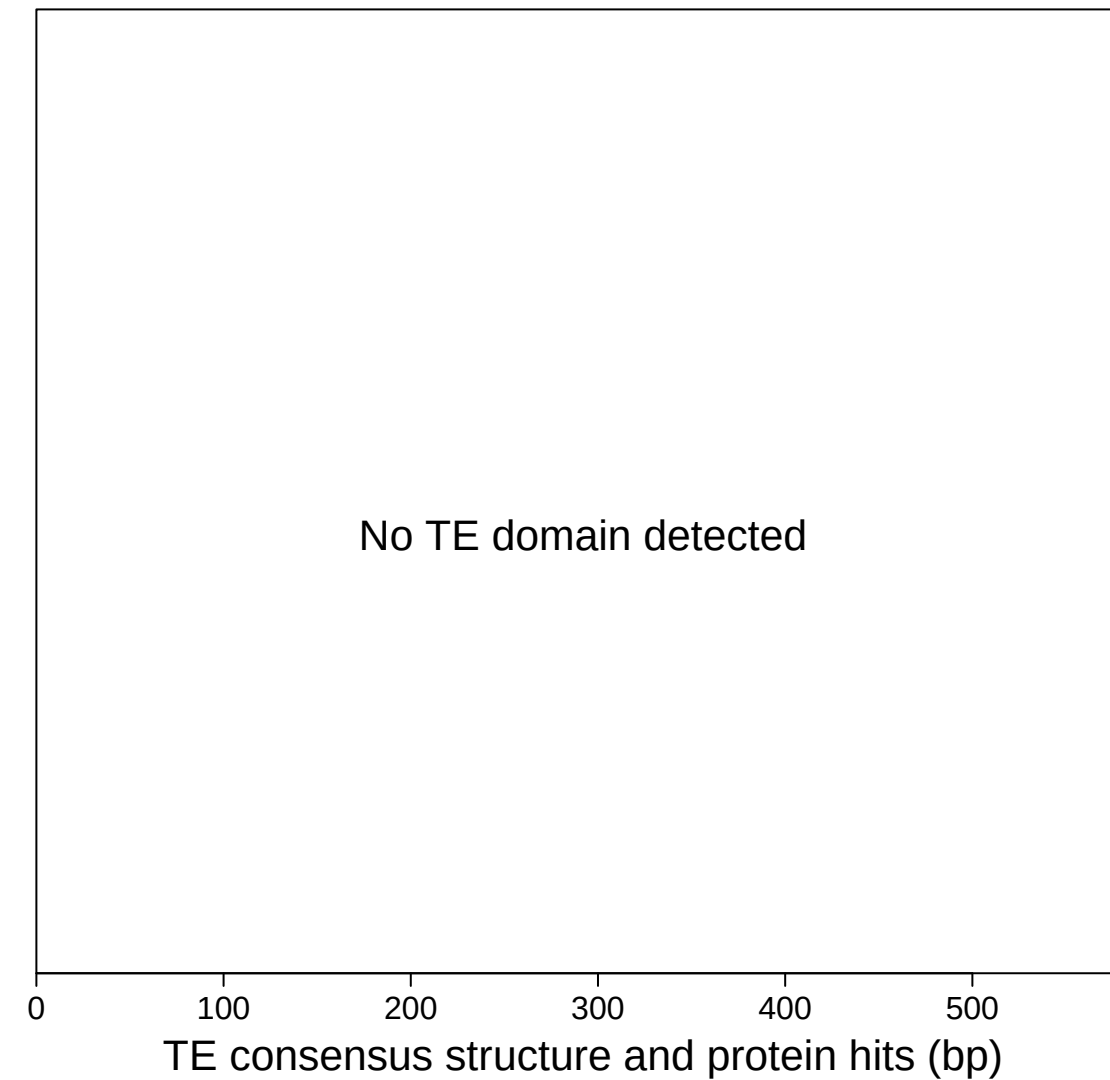
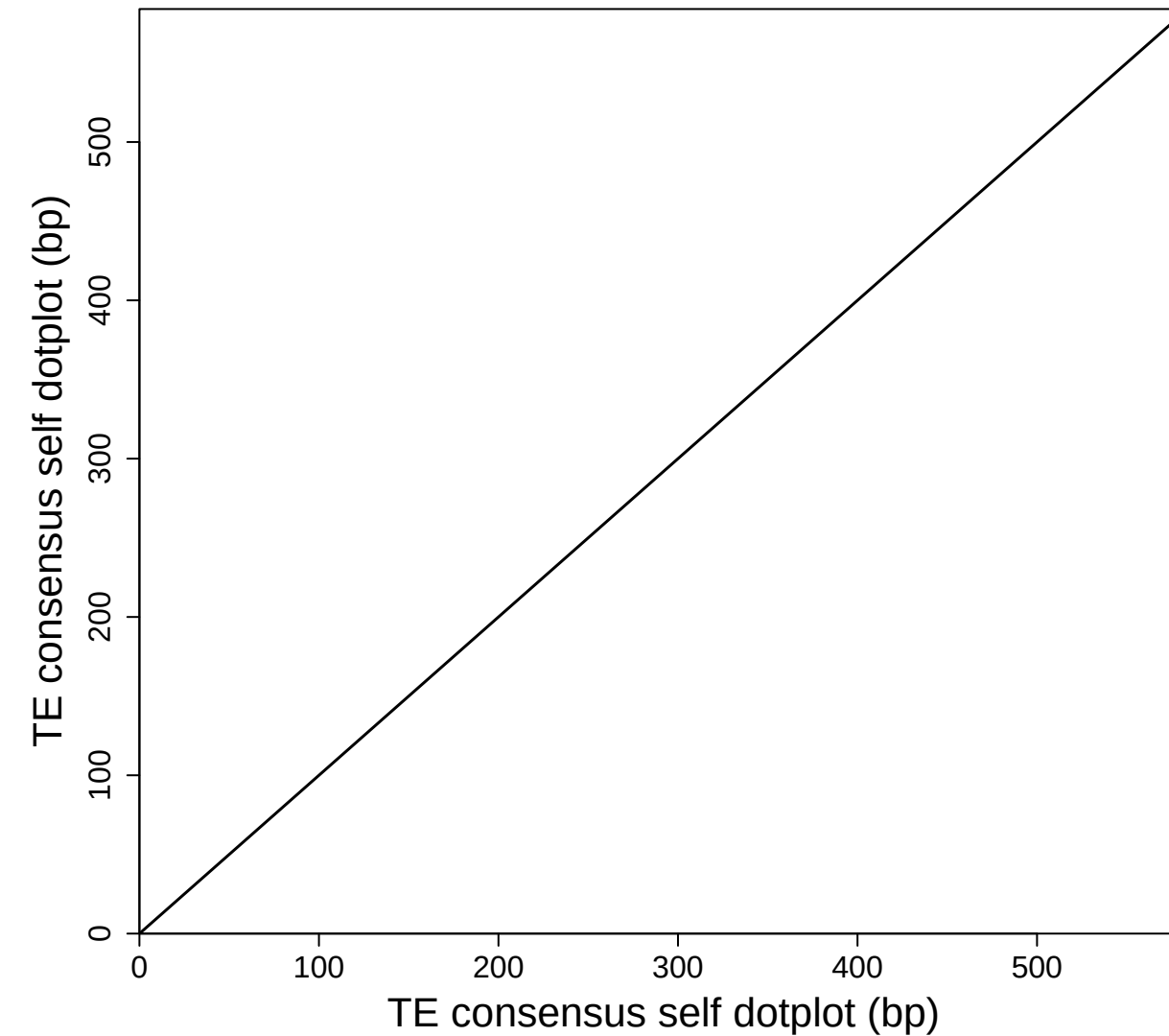
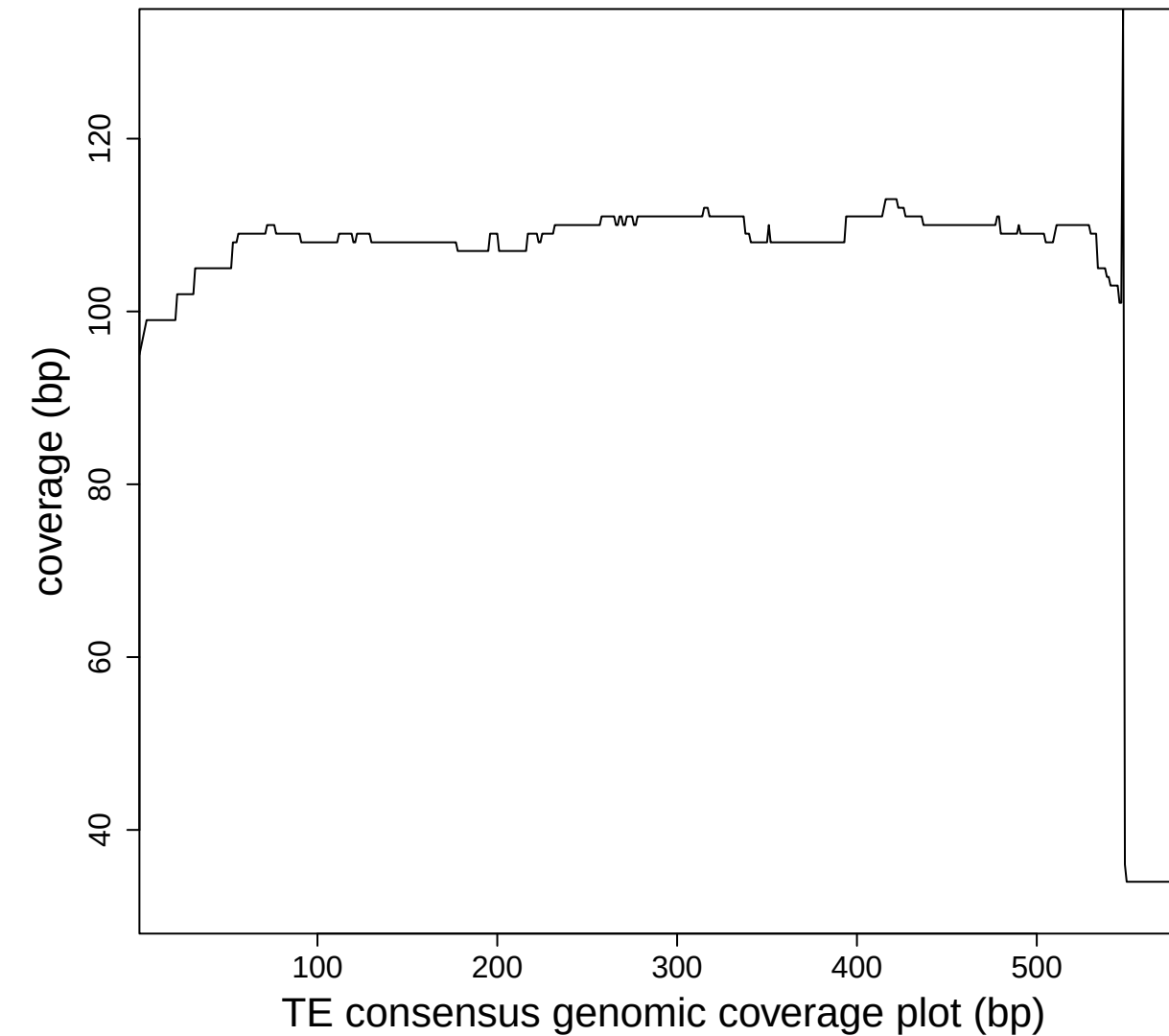
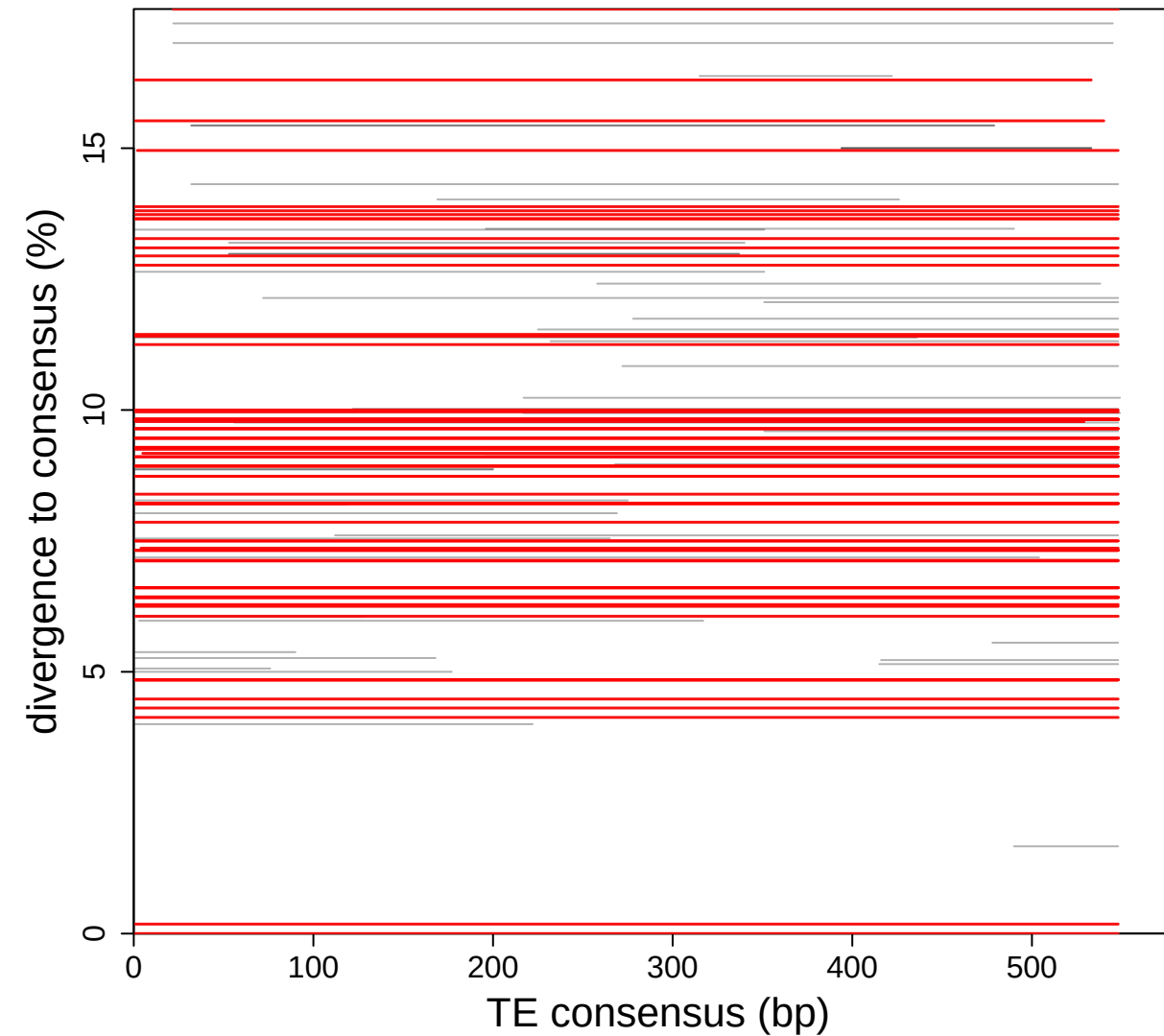


ly\_354.fasta.b.bed\_uf.bed\_g\_3.bed\_fm\_1.bed\_0\_0\_bcIn.fa\_aln.fa  
size: 10093bp; fragments: 491; full length: 0 (>=9083.7bp)

## After TEtrimmer Extended plot Blue lines are boundaries

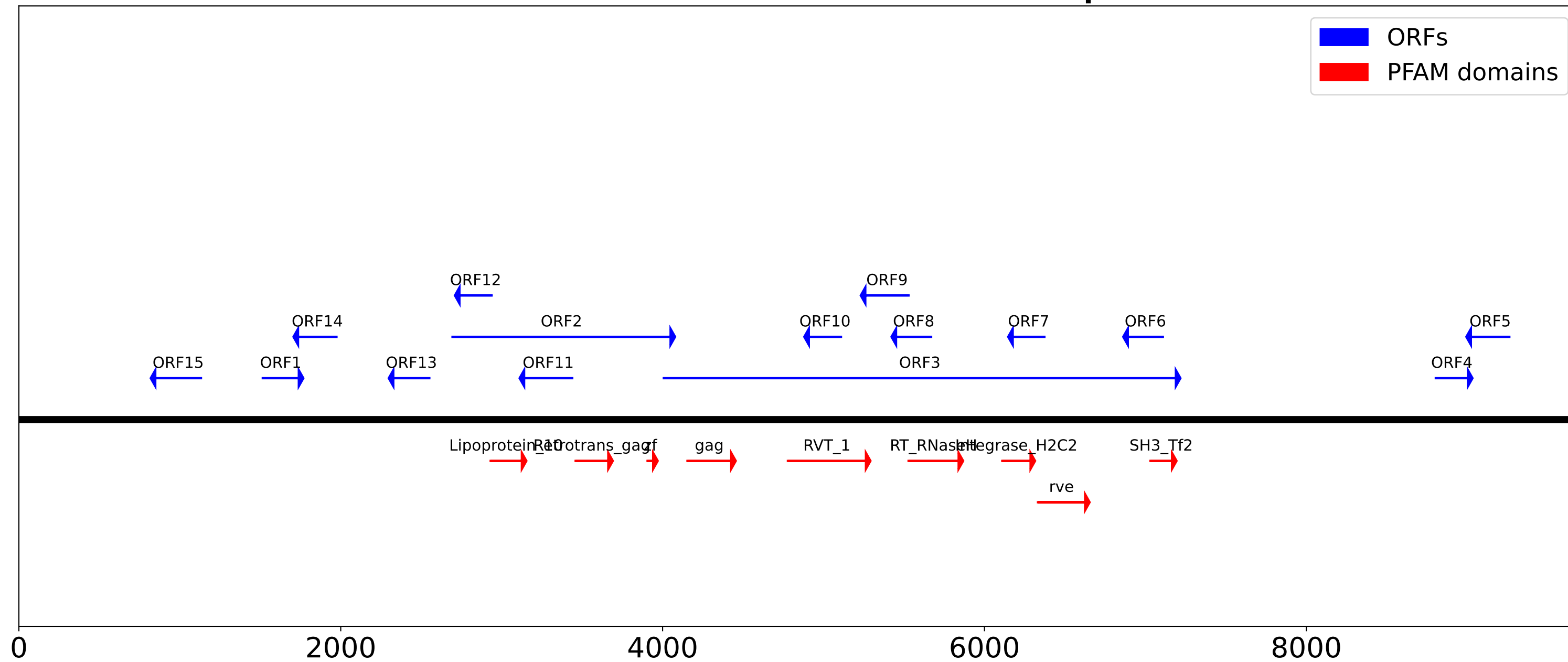


TE: ltr\_1\_family\_354  
size: 584bp; fragments: 169; full length: 83 ( $\geq 525.6$ bp)



## Before TEtrimmer 584 bp

## After TEtrimmer ORF and PFAM domain plot

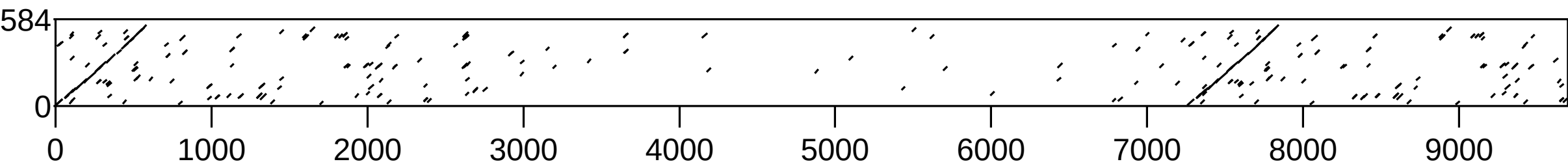




Dotplot

(windowsize = 25, threshold = 50.00 09/10/25)

consensus before TEtrimmer (bp)



TE consensus after TEtrimmer (bp)