

MSA length = 1997

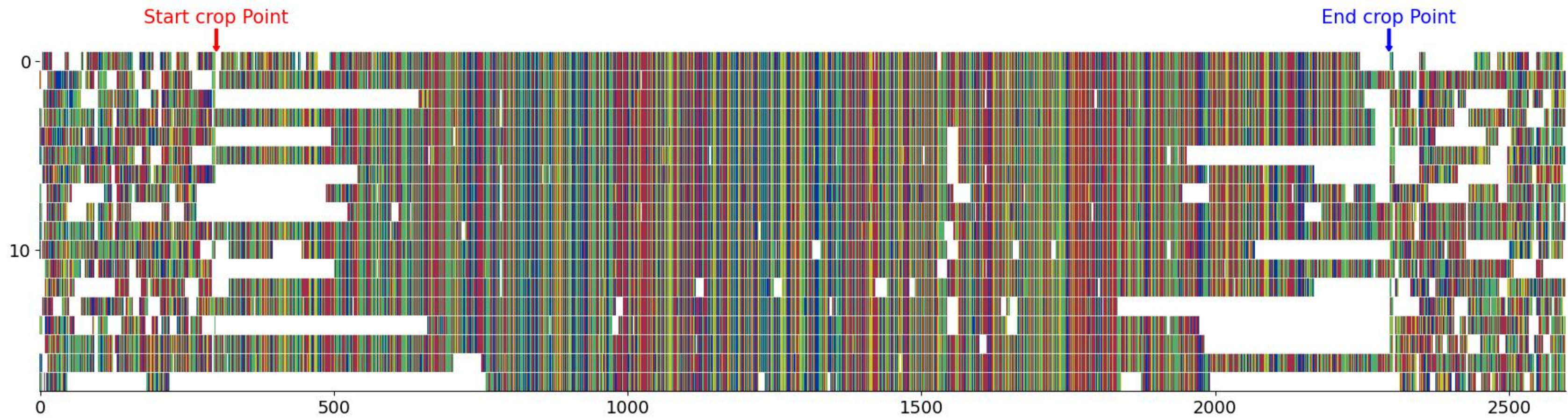
Start crop Point

End crop Point

TATT-----GGGCCCTTTTGCACATCAATGTTTCAAATGAA-----AATTAAAGAAATA-TGTATTTAGAAAGAA--GAATTATACA  
ATTGCGAATA-----AATGAG-----TATTATAAAAAAATATAATGTATTCAAAAATATTTGAATCGTCCC-----TCACAATAACTATCTATCAAAGAATAATAAATATTTTATTTAGTAAAATTGGAAGTA-----AACCGATATTTAACCATTTTATAGAACCAAGCAA  
TTTAATAAAGAAAGTTATAAAATTGTTTTTCTACTACCATTCCT-AAAGT-----TAATAATA-----AATCTACTGTCTTGAGAGACAGTGTCTGTCTTTT-----AACTGATATTAACCATTTTATAGAACCAAGCAA  
TTTGAGAATAAAAAATAAATAATTGTCTTTCACCTTGGGTATCTCT-AAAAATTAAATATAATATAAAAAAATAACGTATTCAAAAAATATTTCAATCGTCCC-----TCATAGTAACCATCTATCAAAGAATA-----AACAGA-----TTTTAAGATATAGTATTTTAAATTAGAAGAAATTTGCGA  
GTTTACATAAAAAAATGTTTTATTTTTTCTGCTTTTAAGTCTGCAAAGAG-----TCATAATAACTATCTATCAAAGAATA-----GGAAGTA-----AACGGTATTAACCATTTTATAGAACCAAGCAATT  
ATTGCGAATA-----AATGAG-TAAATATTATGAAAAAAATTTGCGTATTCAAAAAATATTTGAATCATCCC-----TAAGAGAAA-----TTTAAAGTA-----AACGTATCTCTTTGCCAGTCTAAGCTTAAATTGAGATAATGCCAAGTTTG  
GTTCCCAACAAGAAATCAAATTATTGCTTTTTTCTCGCCTTGTCATAAAA-----TCATAATAACCATCTGTCAAAGAATA-----AAACGTATCTCTTTGCCAGTCTAAGCTTAAATTGAGATAATGCCAAGTTTG  
TTTTTGGGGACACGCTGT-----TCATAATAACCATCTGTCAAAGAATA-----AAACGTATCTCTTTGCCAGTCTAAGCTTAAATTGAGATAATGCCAAGTTTG  
ACTTTAAATAAAAAATCAA-----TCATAATAACCATCTATCAAAGAATAATAATATATTTTCTTTAGTAAAATTAAACAGA-----TTTTAAGATATAGTATTTTAAATTAGTAGAAT-ATGG-  
TTTGAGAATAAAAAATACATAATTGTCTTTCACCTTGGGTATTTCT-AAAAATTAAATATAATATAAAAAA-AACGTATTCAAAAAATATTTGAATCGTCCC-----TCATAATAACCATCTACACCATATAATAATAAATATTTTATTTAGTAAAATTAAACAGA-----TTTTAAGATATAGTATTTTAAATTAGTAGAATATGC-  
TTTAGGAAAAACATTTTATATT-----AACATT-----CGTATTCAAAAAATATTTGAATCGTCCC-----GGAATCAATGTAGGATACAGCAATTTCTGTTGCTACAGGGTACAAATTA  
TCTCGACGGAAAAACATTTTCAGCAGGTGTTGTTTTGCAATTTTTT-----TTATAATAACCATCTATCAAAAAA-ATAAATATTTTATTTAGTAAAATTGGAAGTA-----AACGGGATTAACCATTTTATAGAACCAAGCACTT-  
-----AATTTTTTACATTTTATGTTTTT-----ACGCATTCAAAAAATATTTGAATCGTTCC-----CAAA-----ATGCAAG-----TATTGCCAAACTCA  
TATT-----GCGAATATTTGTTAGGTTAGTAATGAGAATGAGTTAAATAT-ATATGAAAAAATAACGTATTCAAAAAATAGTTGAATCGTCCC-----TATAAAC-----CAGTAGA-----GTTAGAAAGGAATAGTTTAGATTTTTATAGTGTTCGGTTTA  
ATT-----ATCAAGATATATAAATTTT-----AA-----TAAATGA-----TGGCAAGATATATTAGTTAAGTTAGGTTAACGTTAAATTTA  
TCTGGGAATAAAAAATACATAATTGTCTTGCACTTGGGTATTTCT-AAAAATTAAATATAATAT-AAAAAATAACGTATTCAAAAAATATTTGAATCGTCCC-----TAAATGA-----TTTTAAGATATAGTATTTTAAATTAGTAGAATATATGG-  
TTTGAGAATAAAAAATACATAATAGTCTTTCACCTTGGGTATTTCT-AAAAATTAAATATAATATAAAAAA-AACGTATTCAAAAAATATTTGAATCATCCC-----TCATAATAACCATGTATCAAAGAATAATAAATATTTTATTTAGTAAAATTAAATAGA-----TTTTAAGATATAGTATTTTAAATTAGTAGAATATATGG-  
-----GTCTGACCAAAGTTTATGGCACGAATGG-----

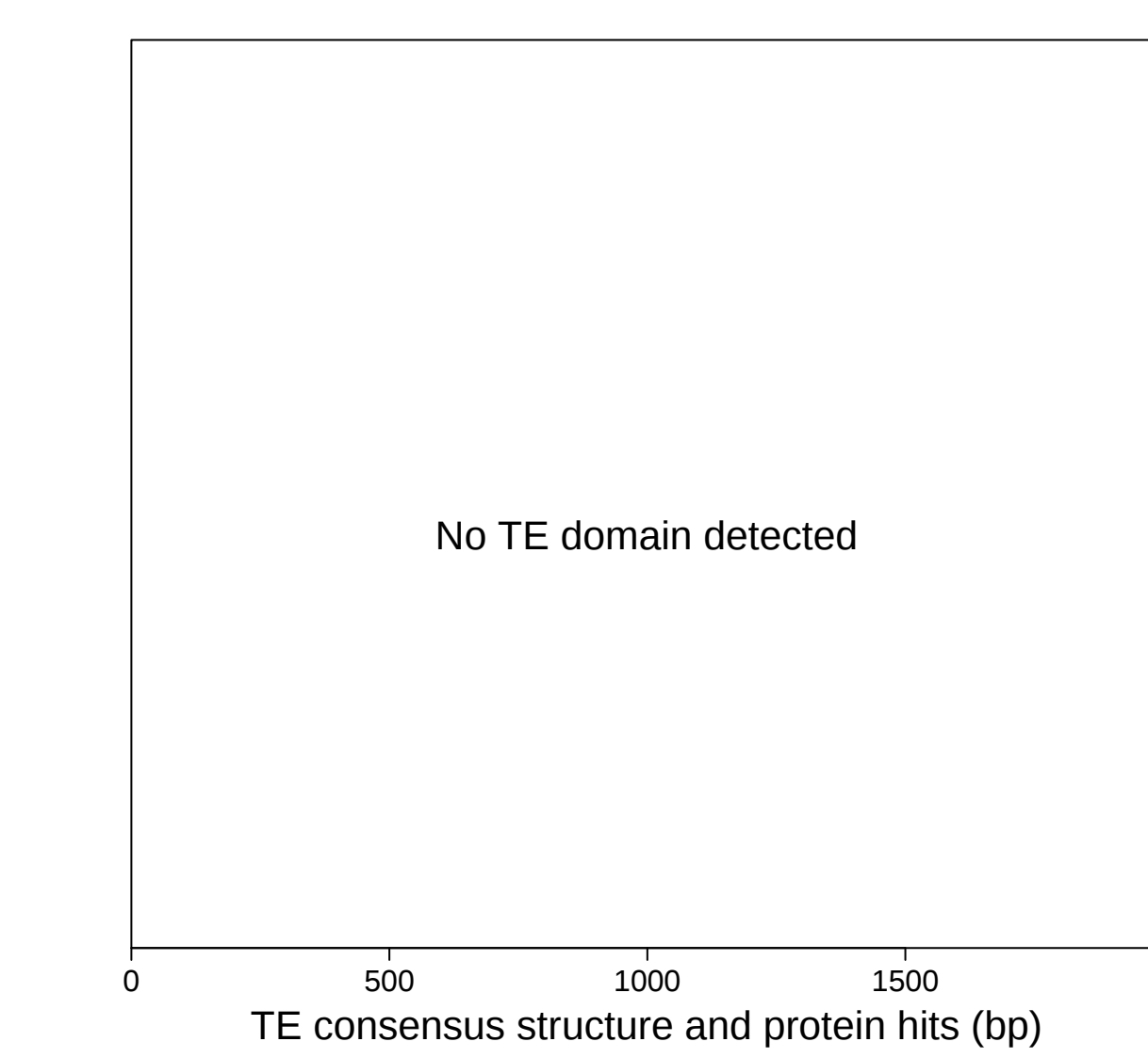
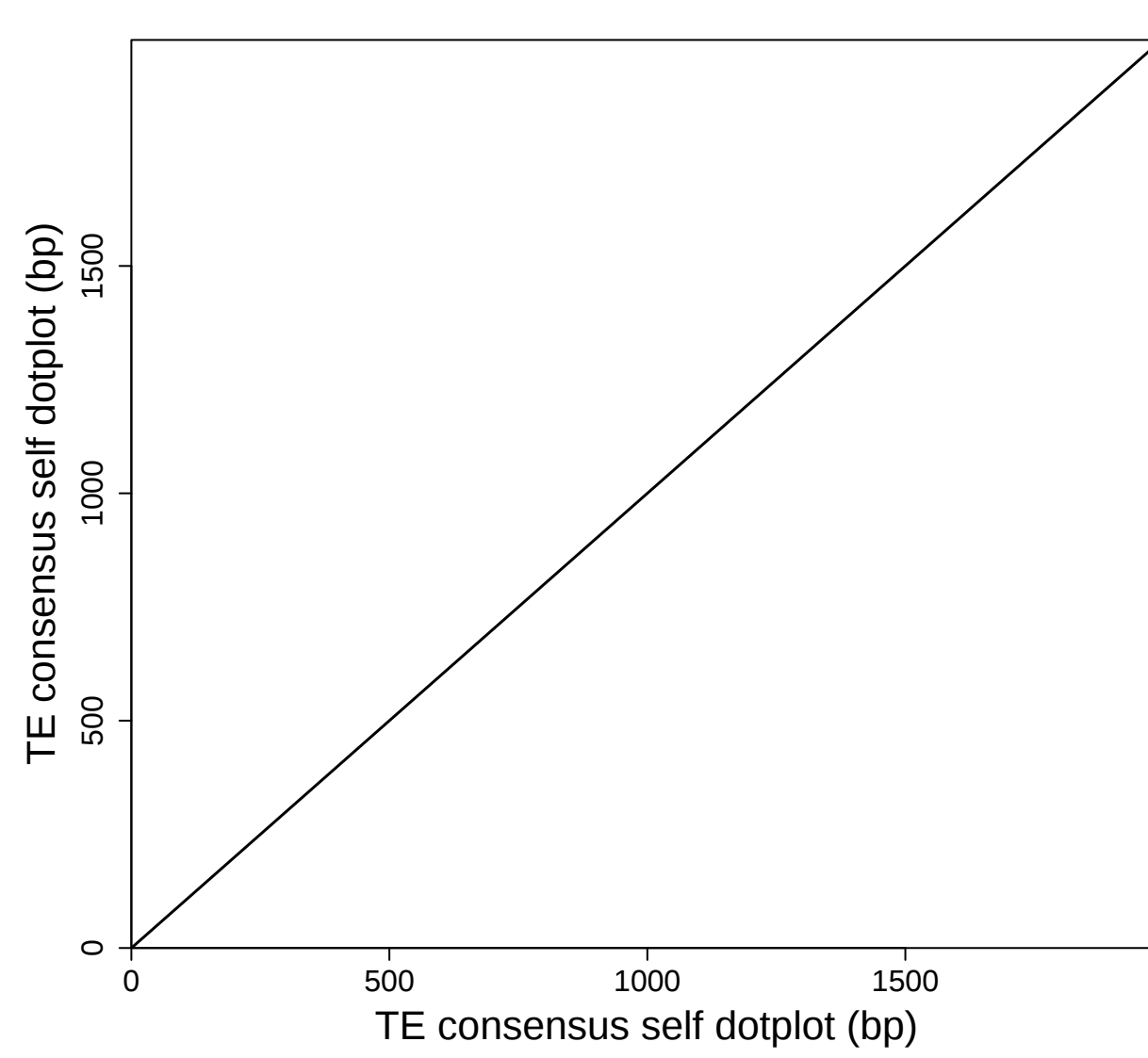
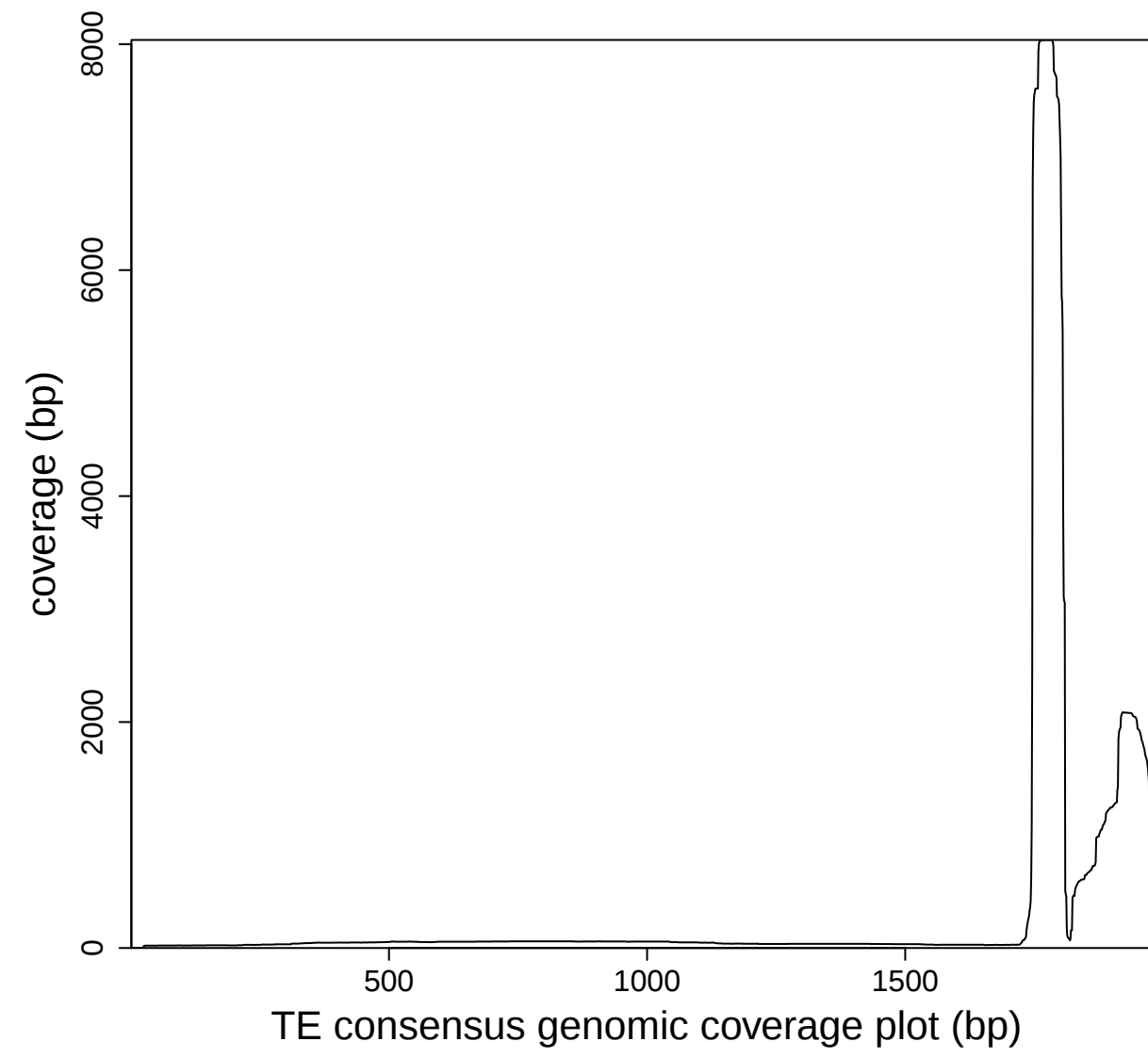
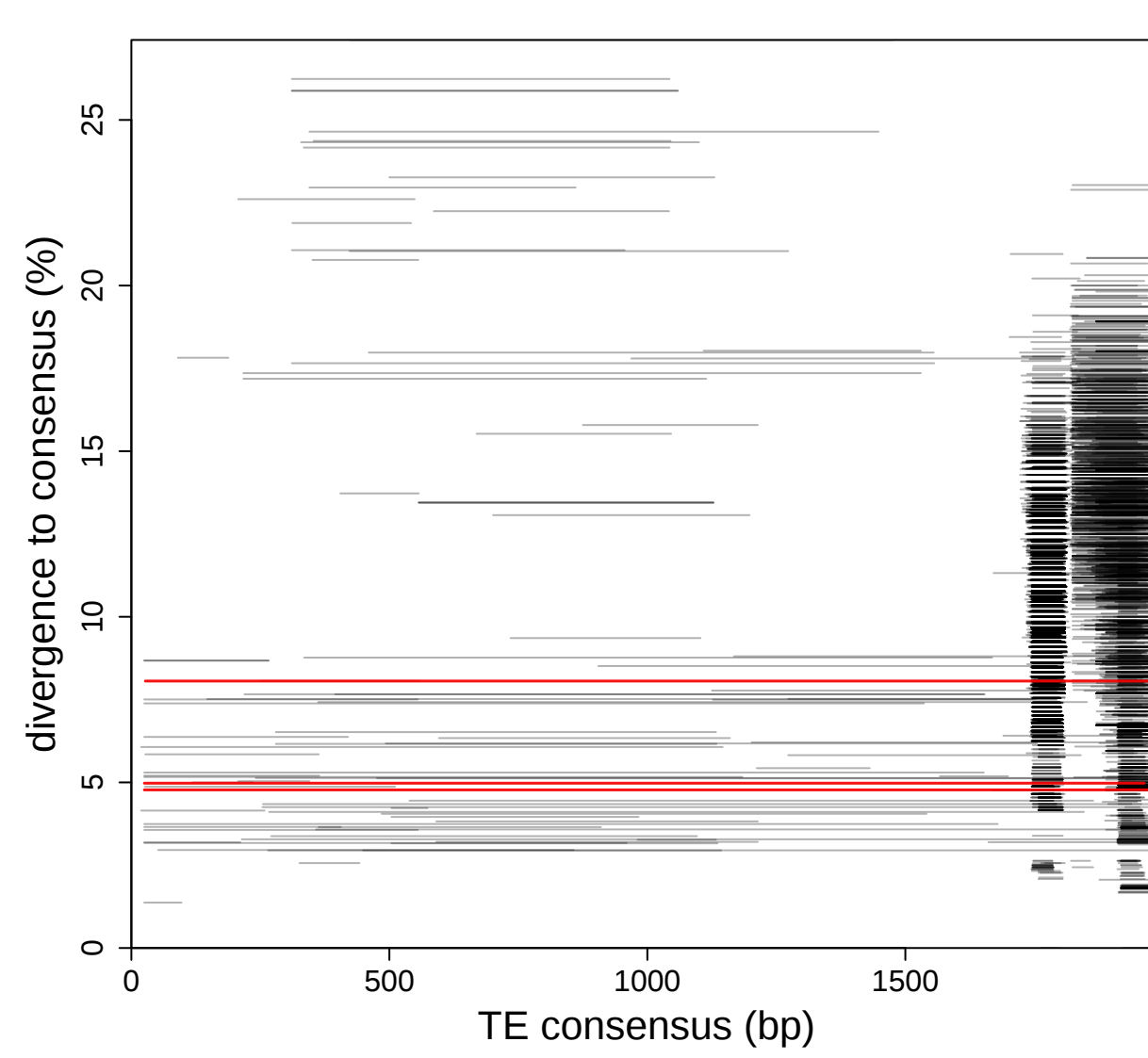
Start crop Point

End crop Point



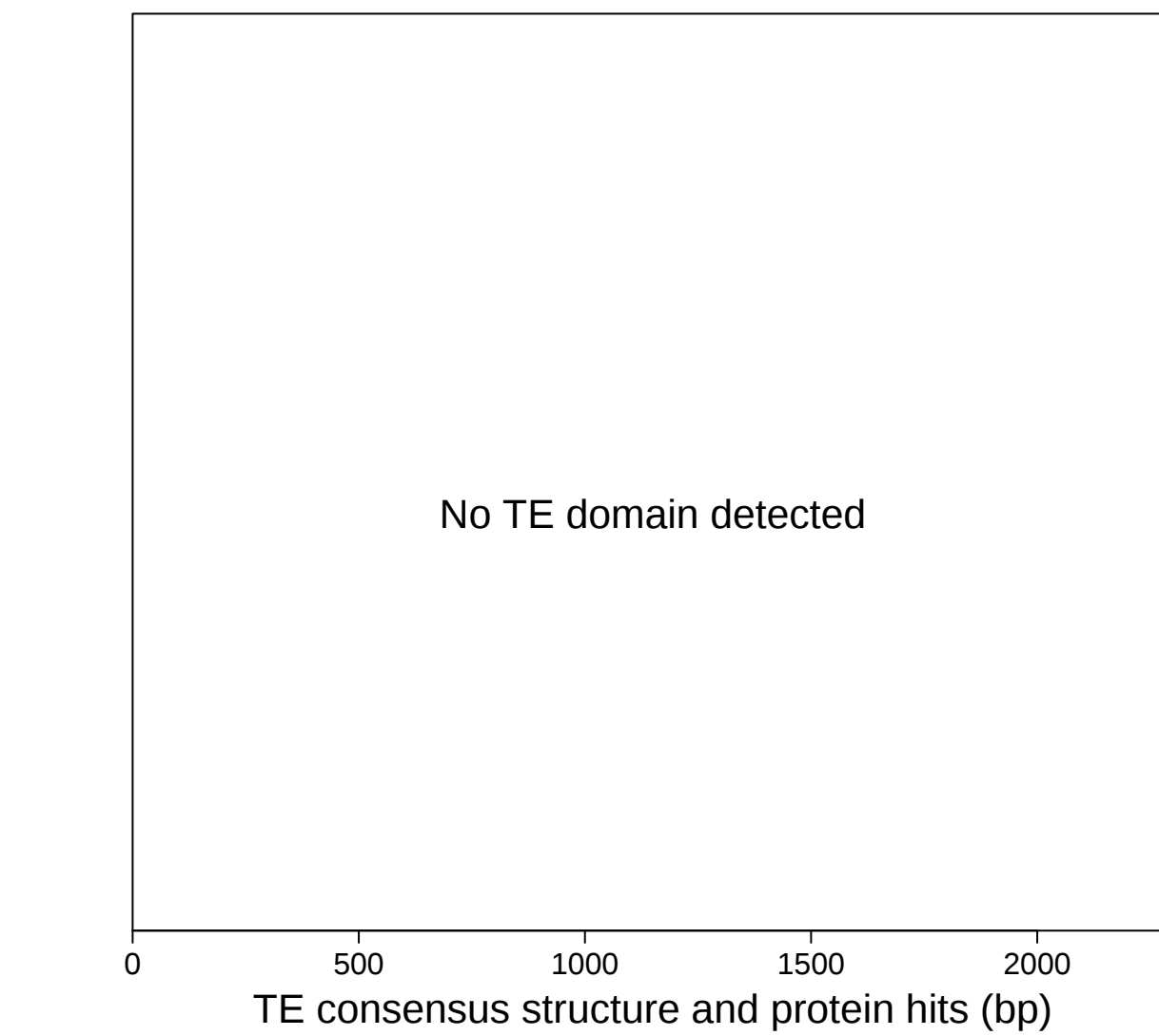
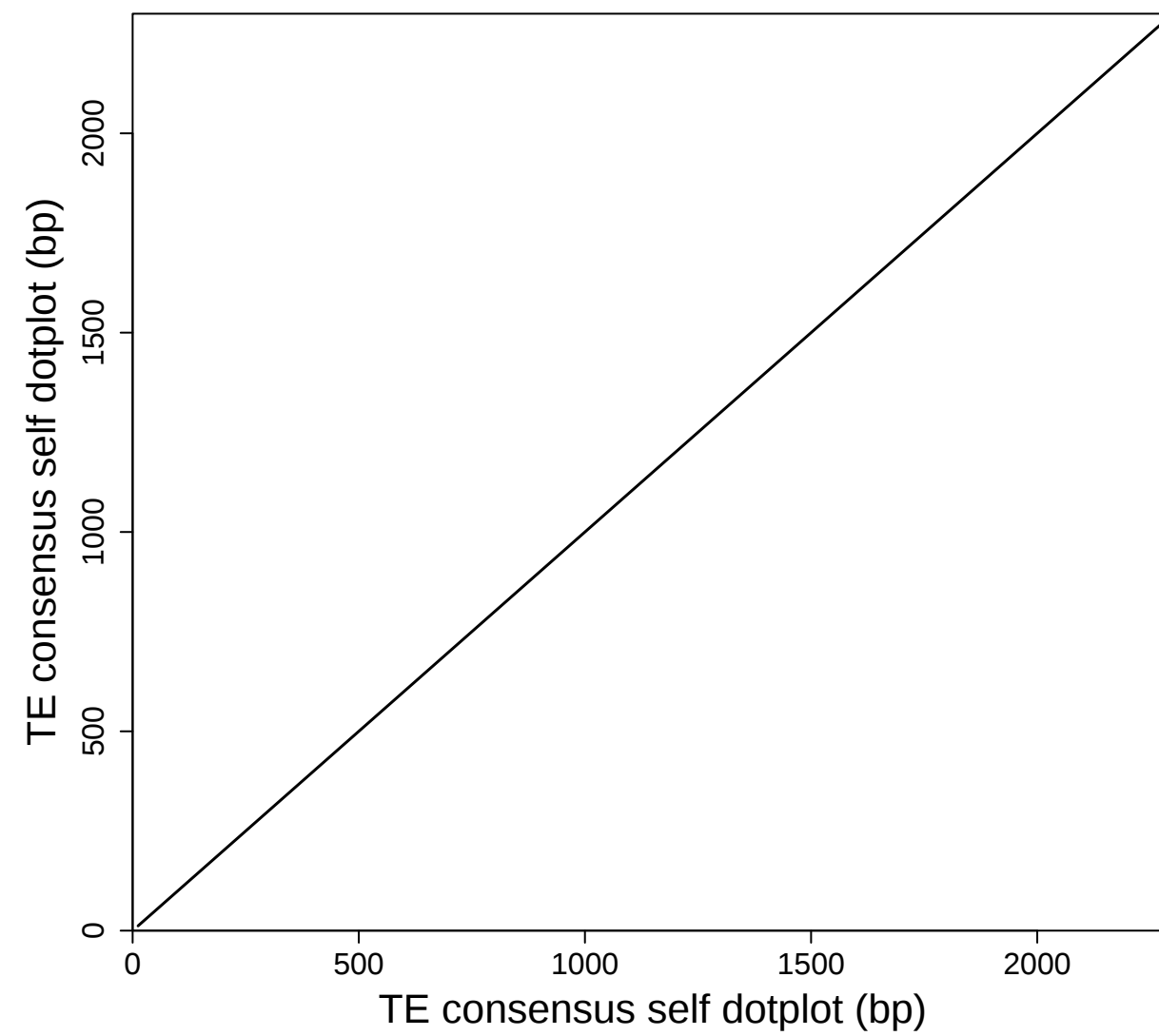
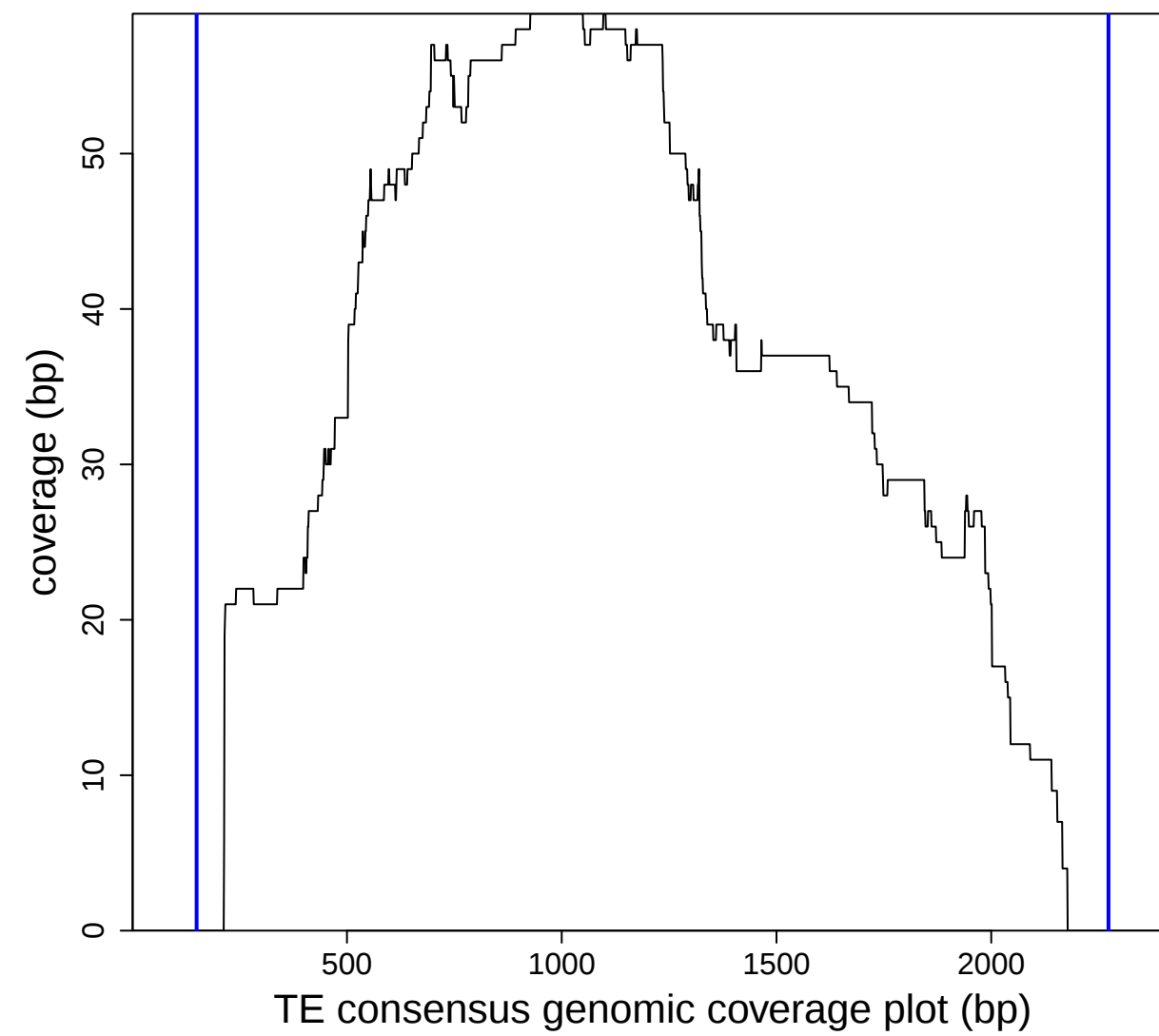
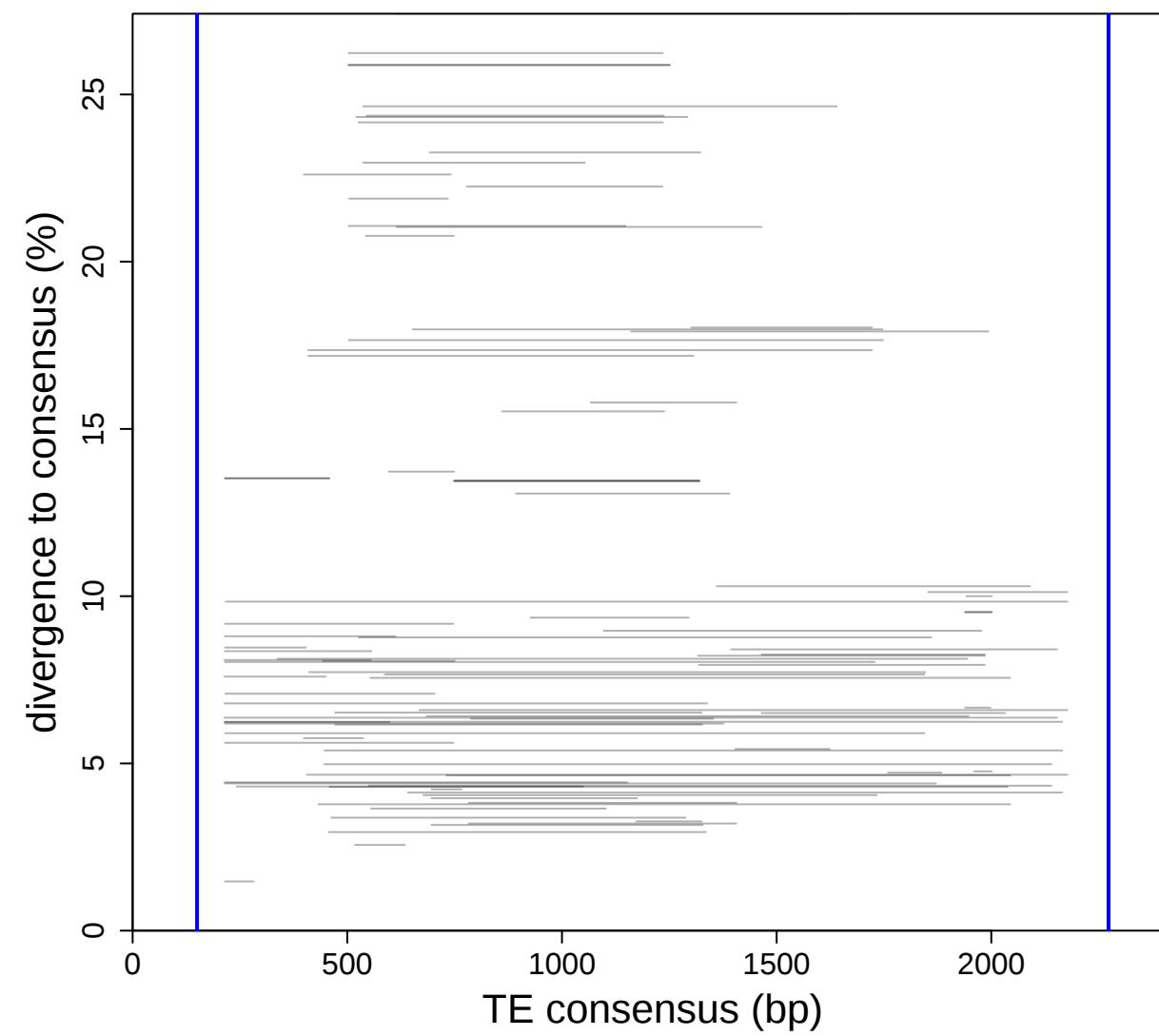
bed\_fm\_1.bed\_0\_0\_n.bed\_g\_1.bed\_fm\_2.bed\_0\_0\_bcln.fa\_aln.fa  
size: 1997bp; fragments: 10196; full length: 3 (>=1797.3bp)

# After TEtrimmer 1997 bp

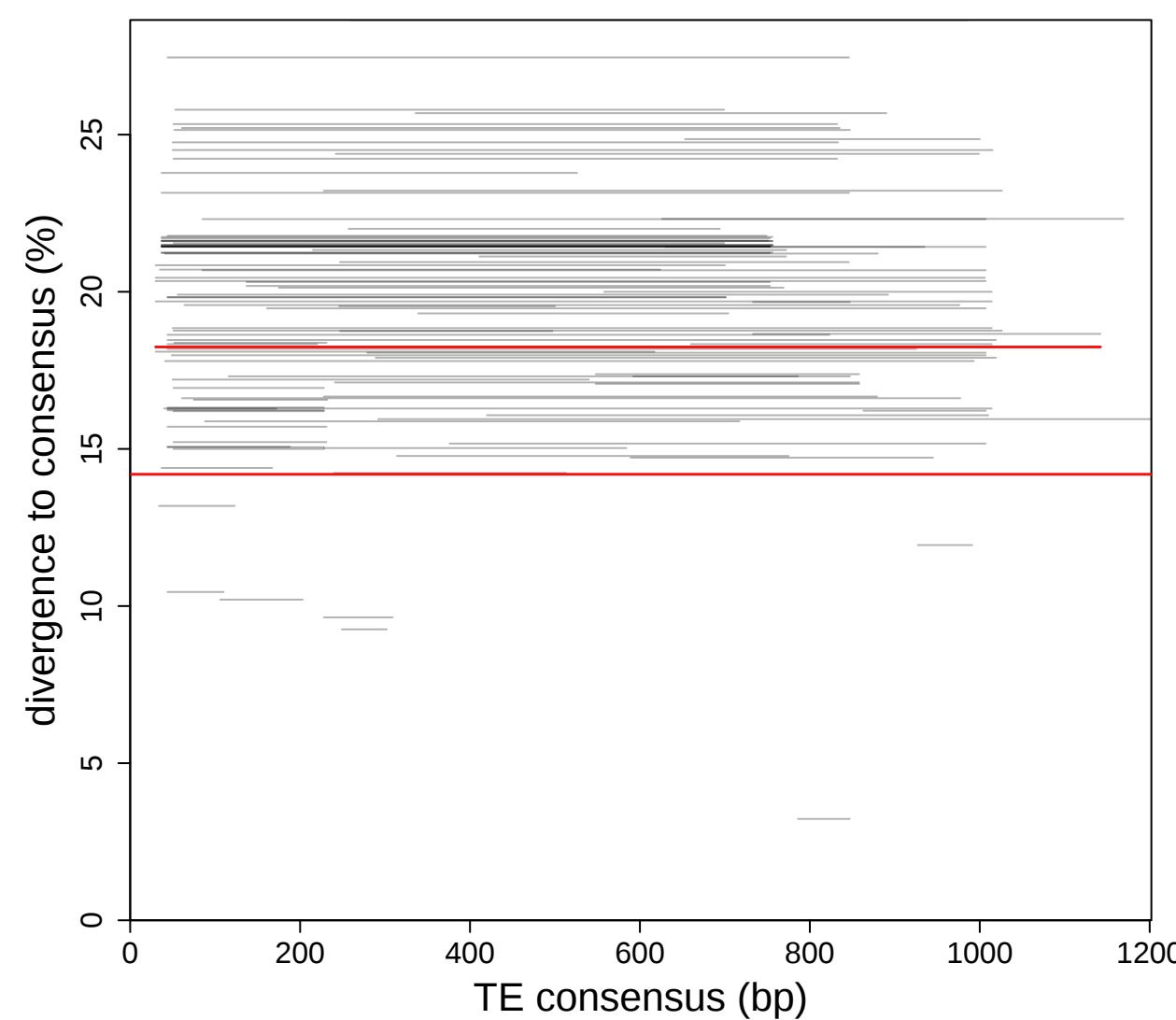


f.bed\_g\_1.bed\_fm\_1.bed\_0\_0\_n.bed\_g\_1.bed\_fm\_2.bed\_0\_0\_bcl  
size: 2423bp; fragments: 98; full length: 0 (>=2180.7bp)

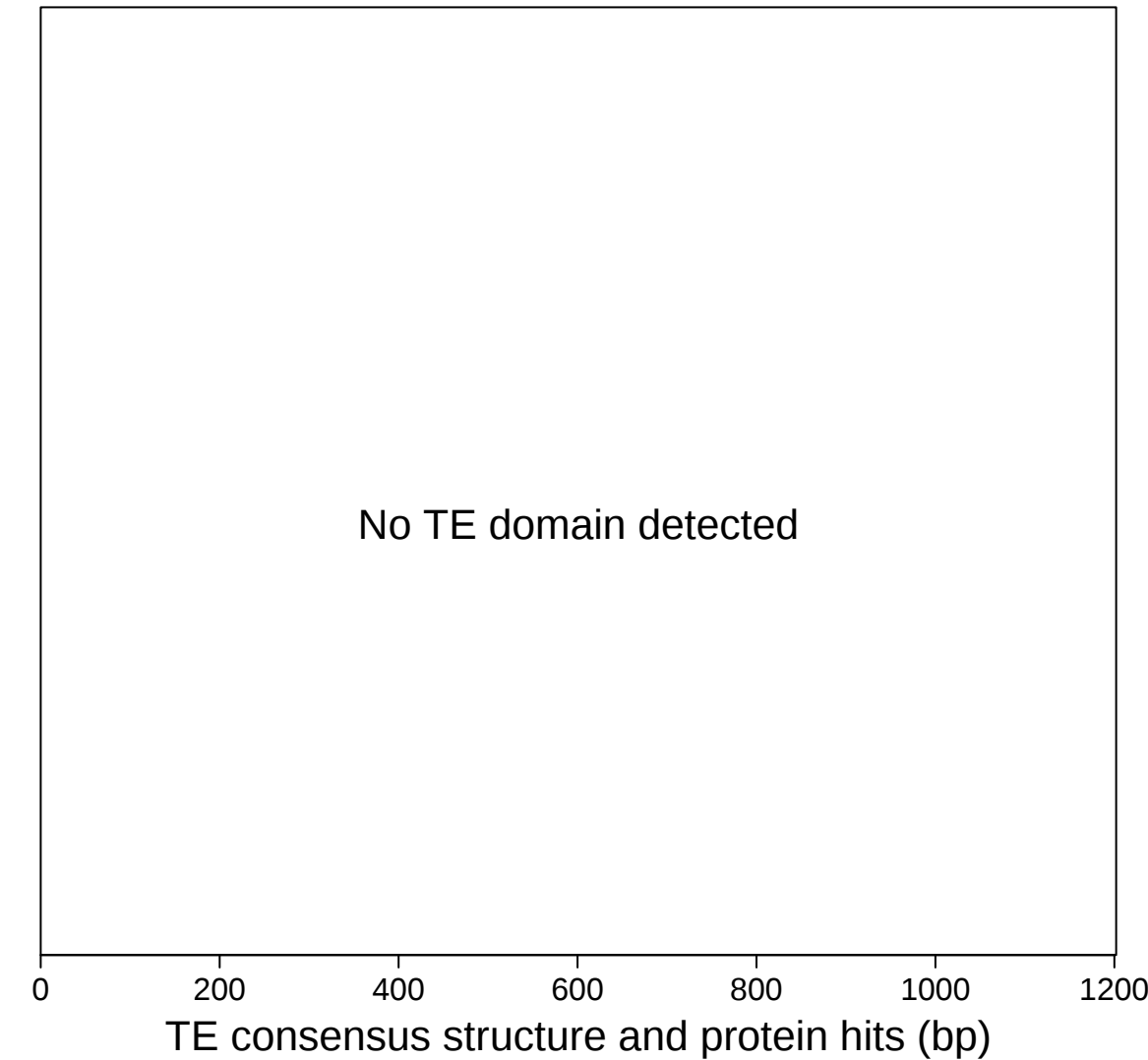
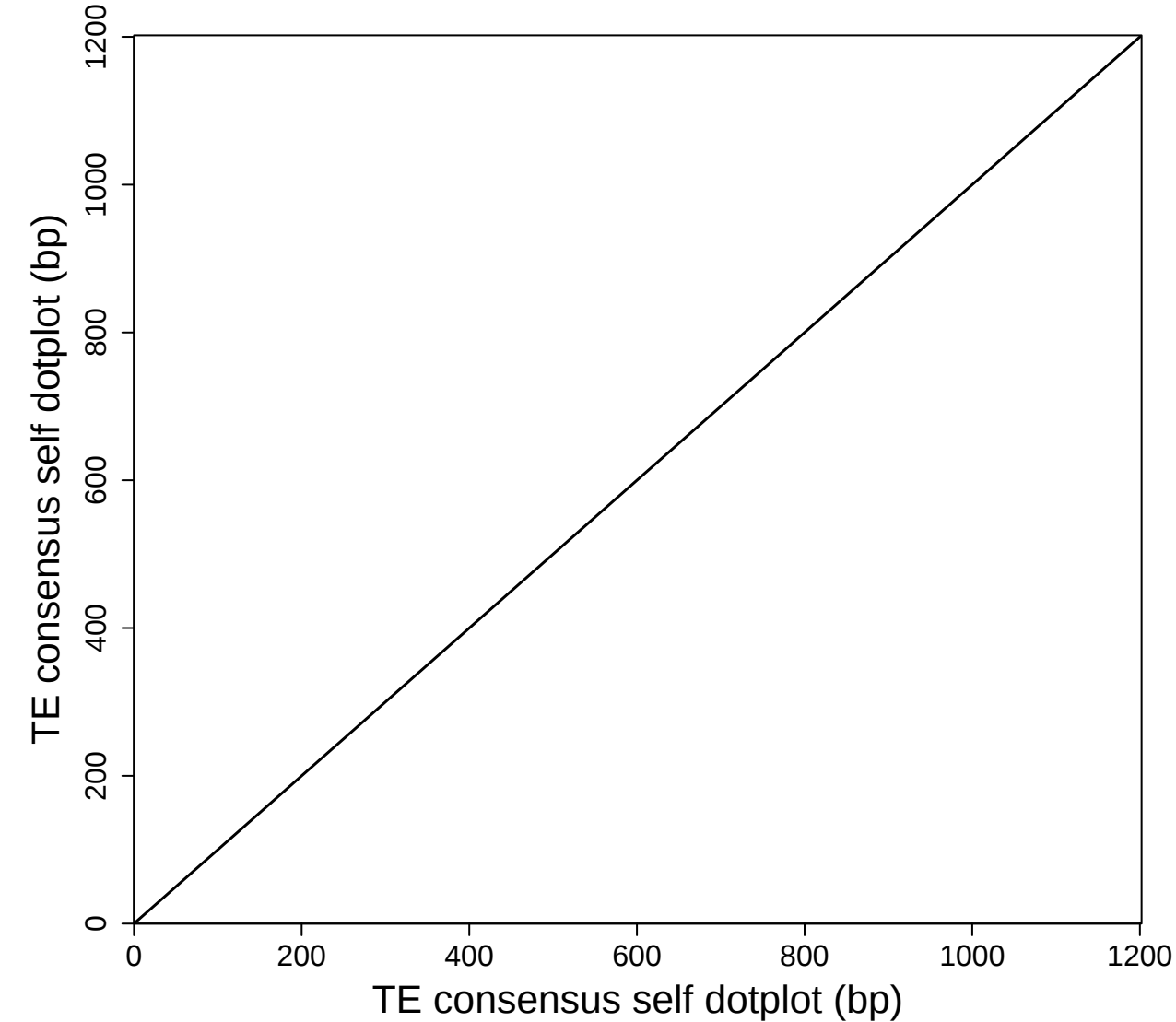
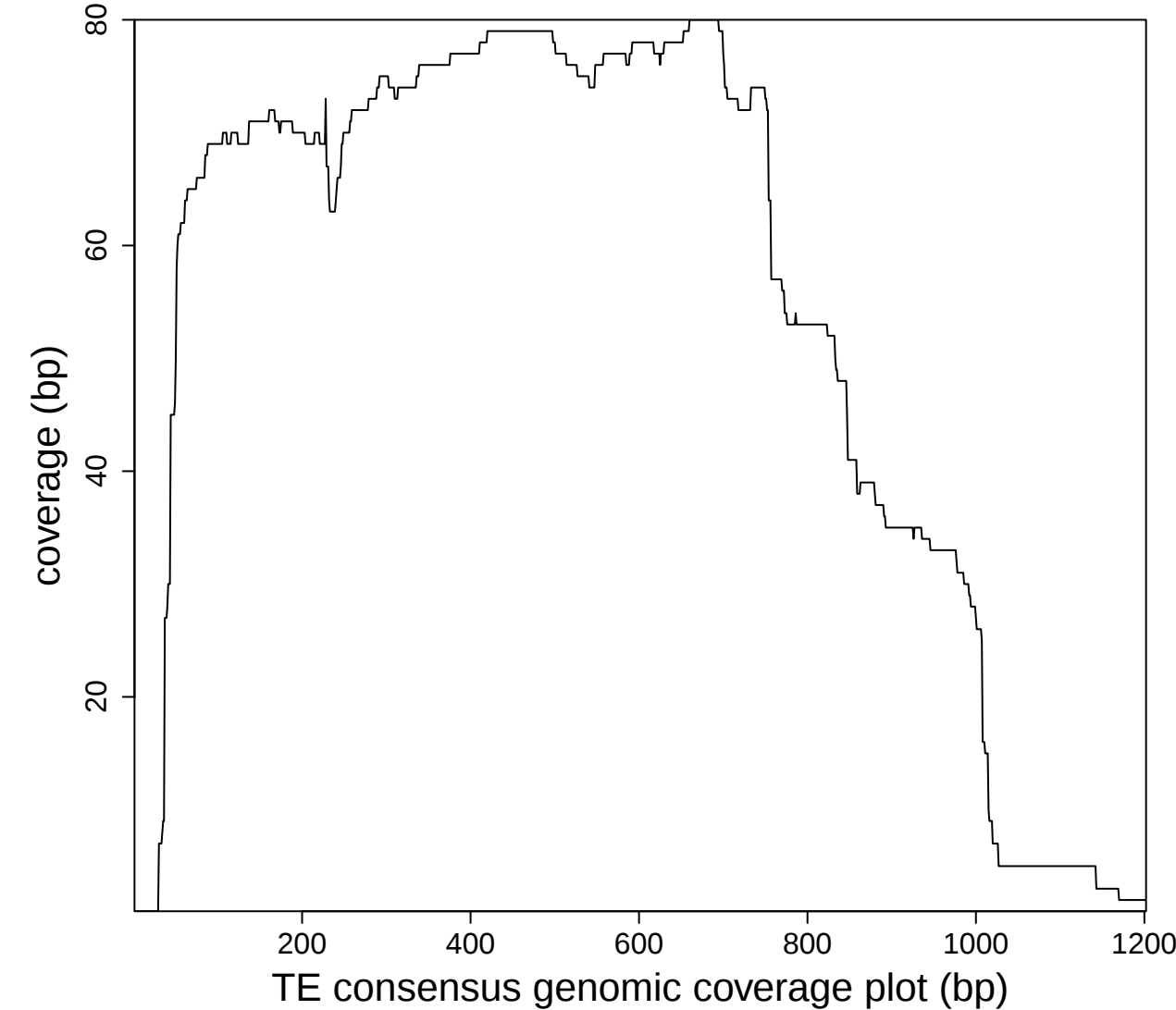
# After TEtrimmer Extended plot Blue lines are boundaries



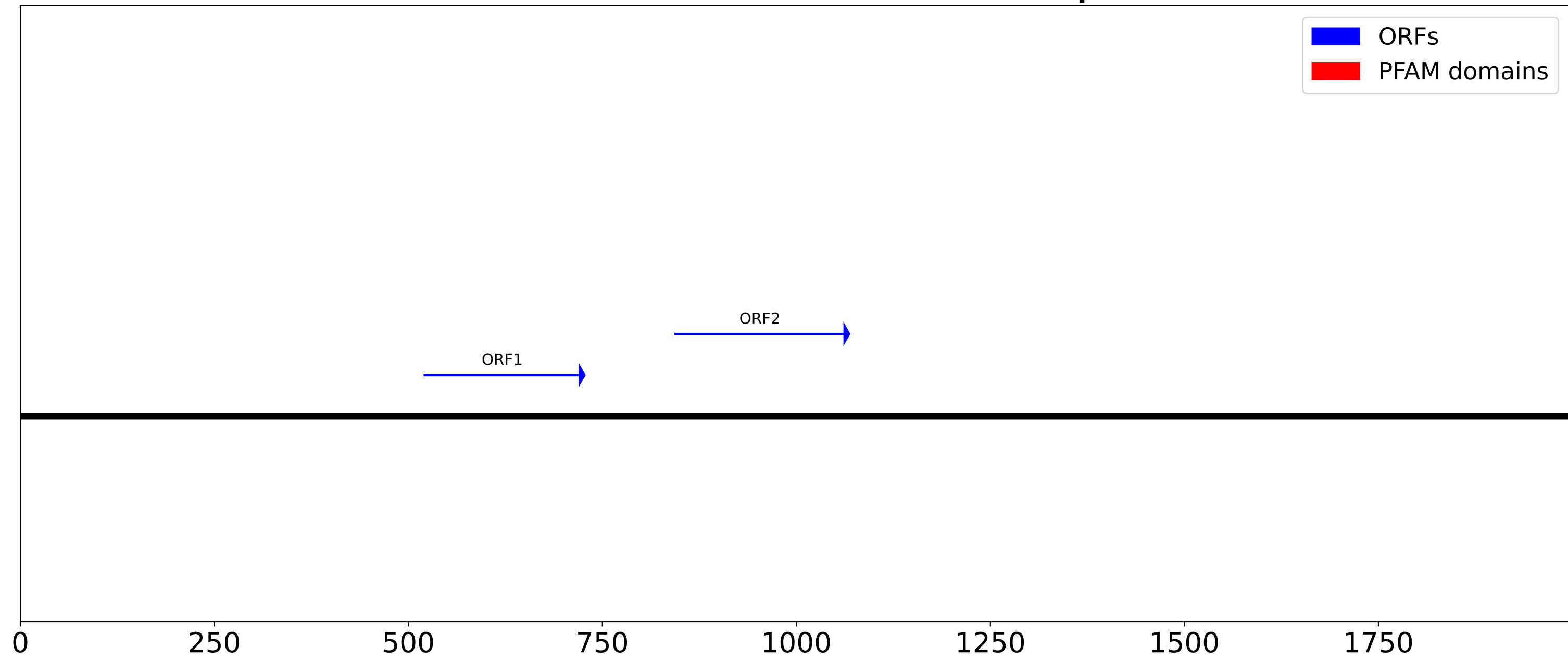
TE: rnd\_4\_family\_661  
size: 1202bp; fragments: 112; full length: 2 ( $\geq 1081.8$ bp)



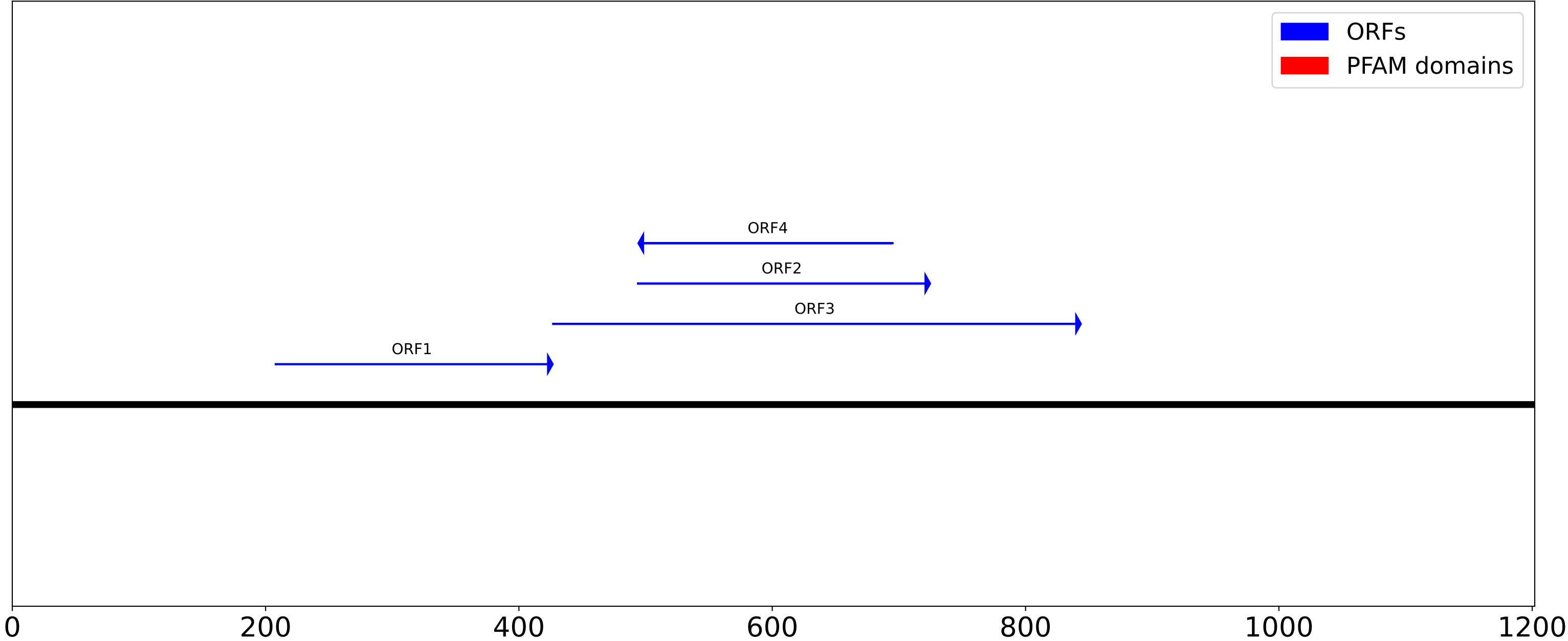
## Before TEtrimmer 1202 bp



## After TEtrimmer ORF and PFAM domain plot



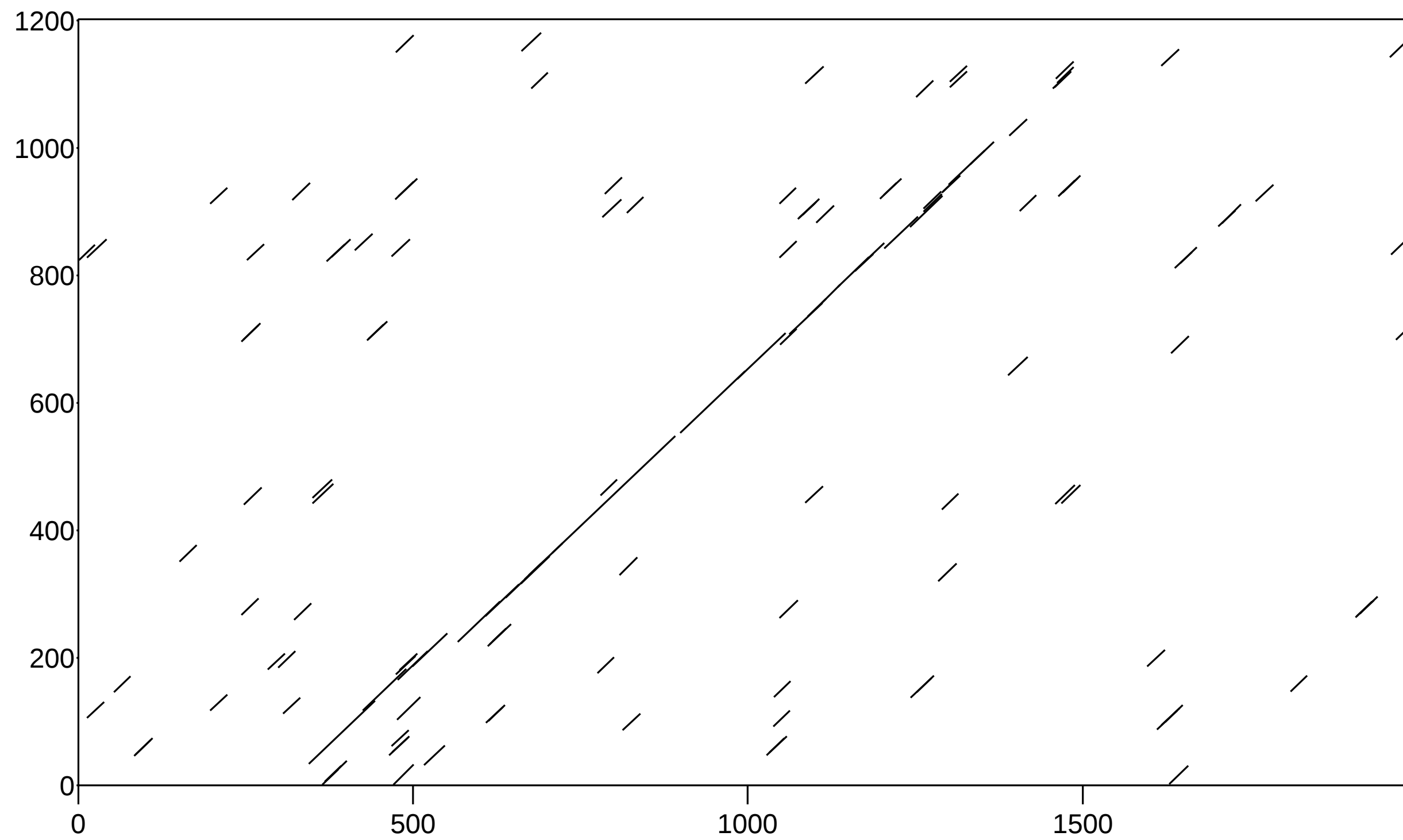
**Before TEtrimmer ORF and PFAM domain plot**



# Dotplot

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

TE consensus before TEtrimmer (bp)



TE consensus after TEtrimmer (bp)