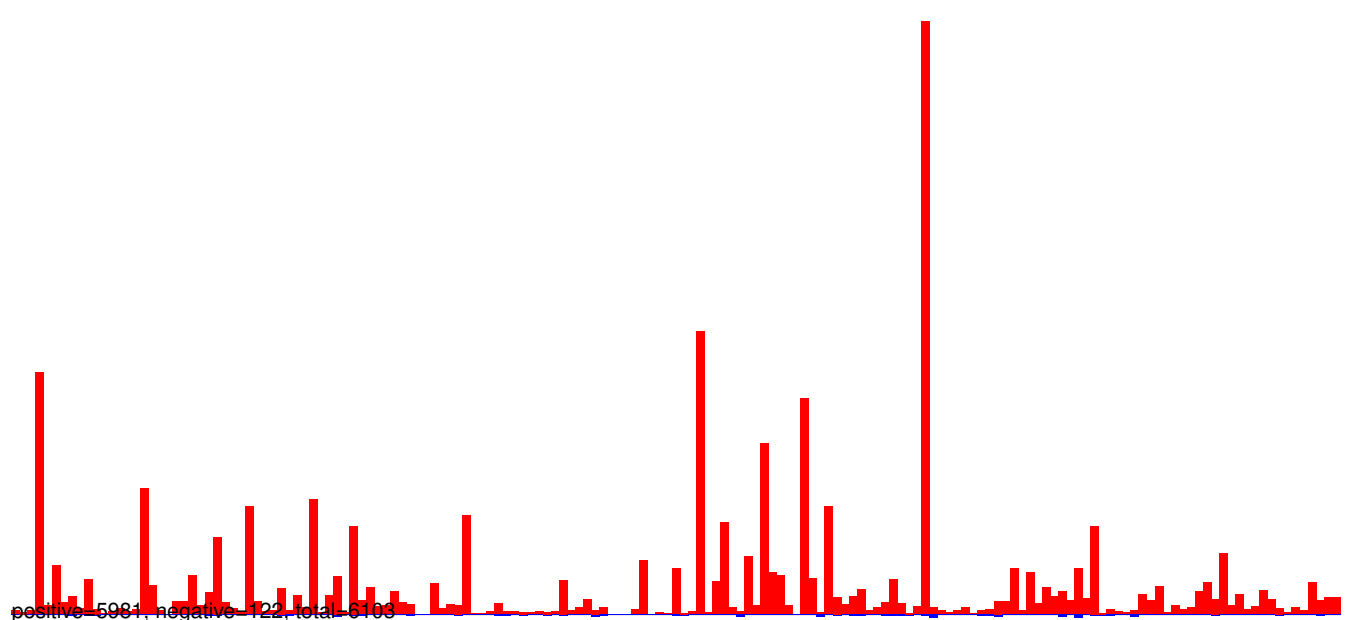


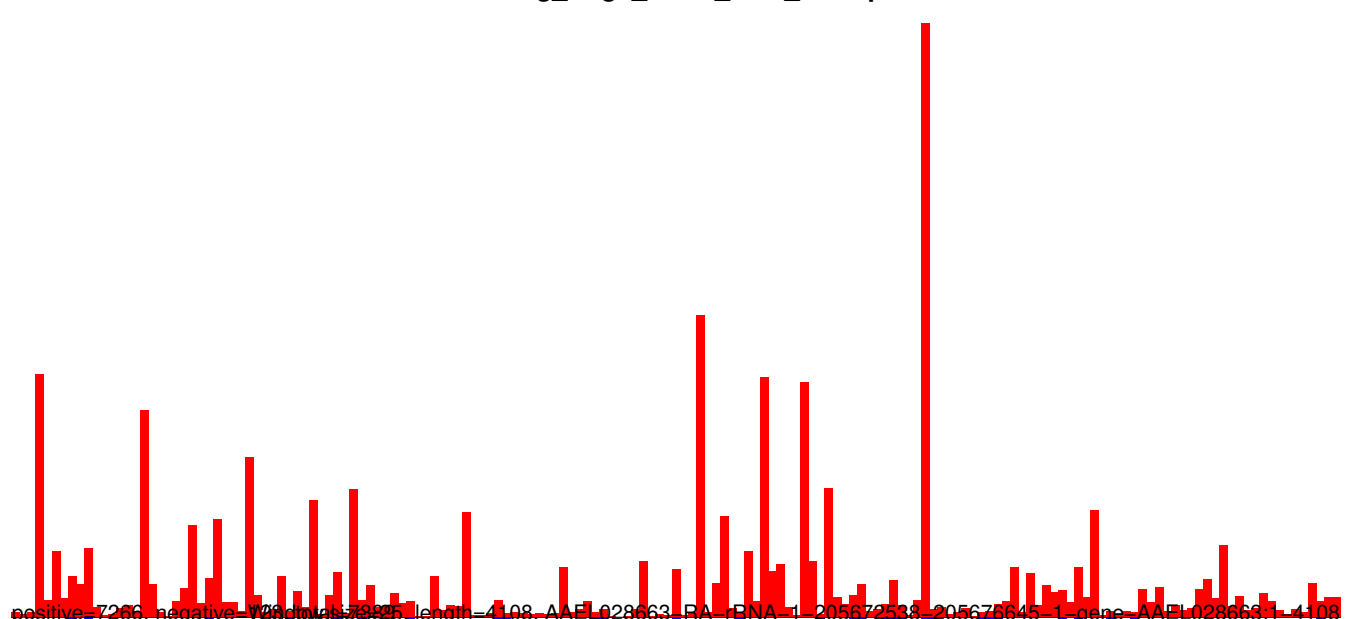
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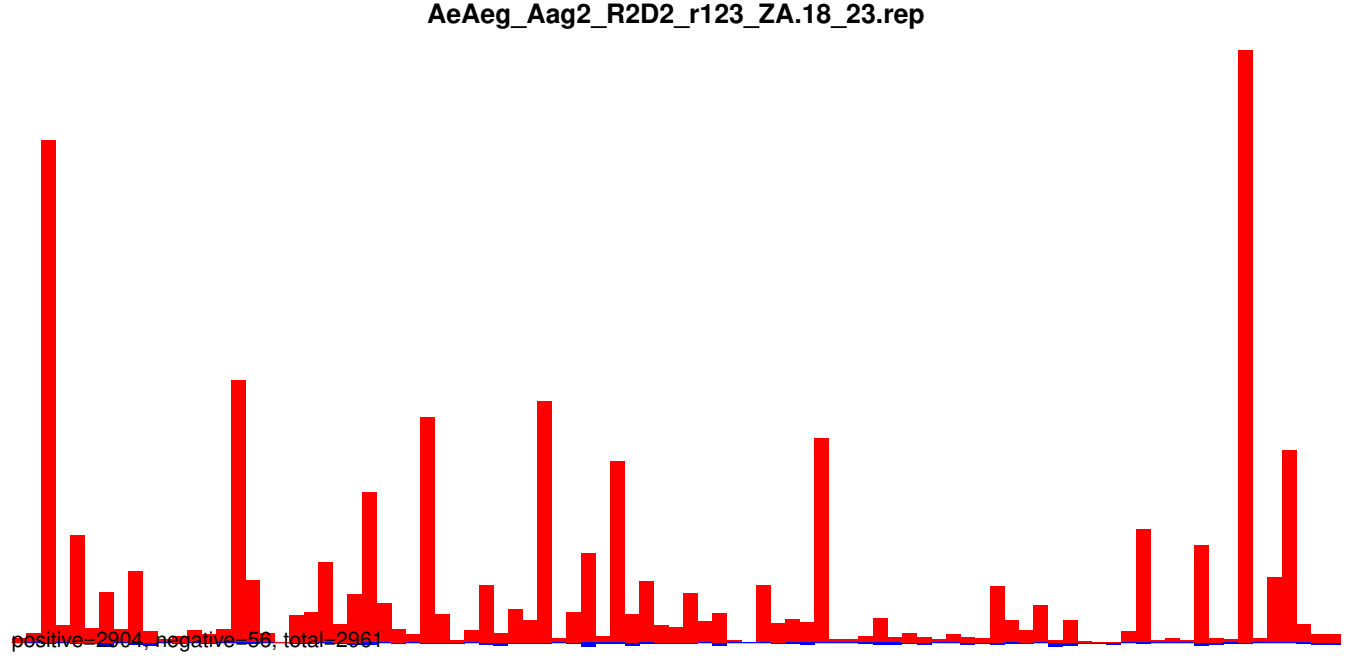


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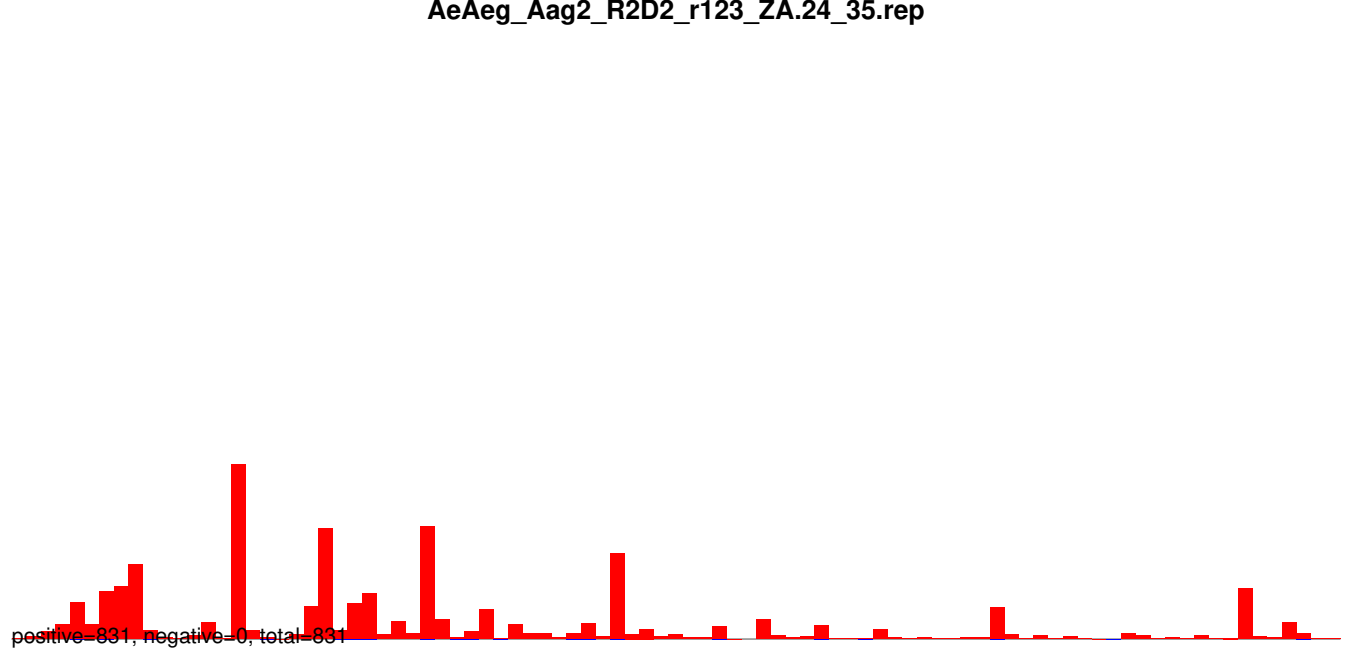


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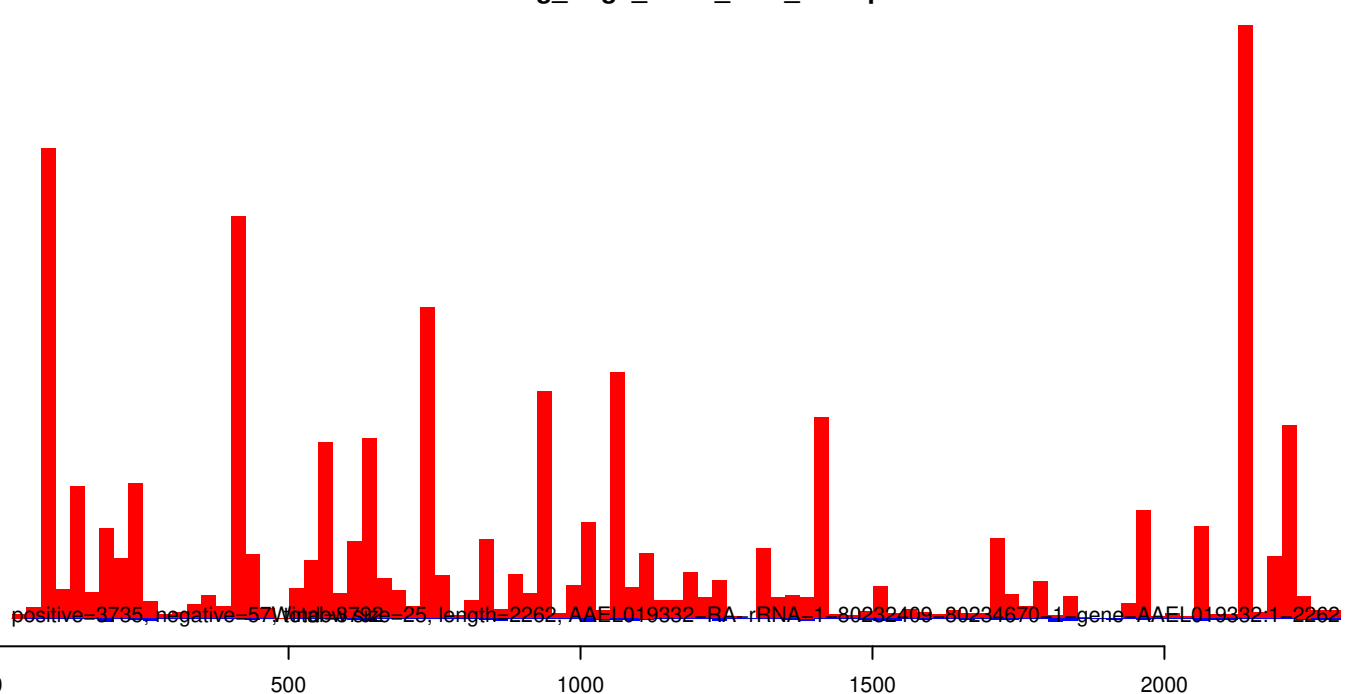
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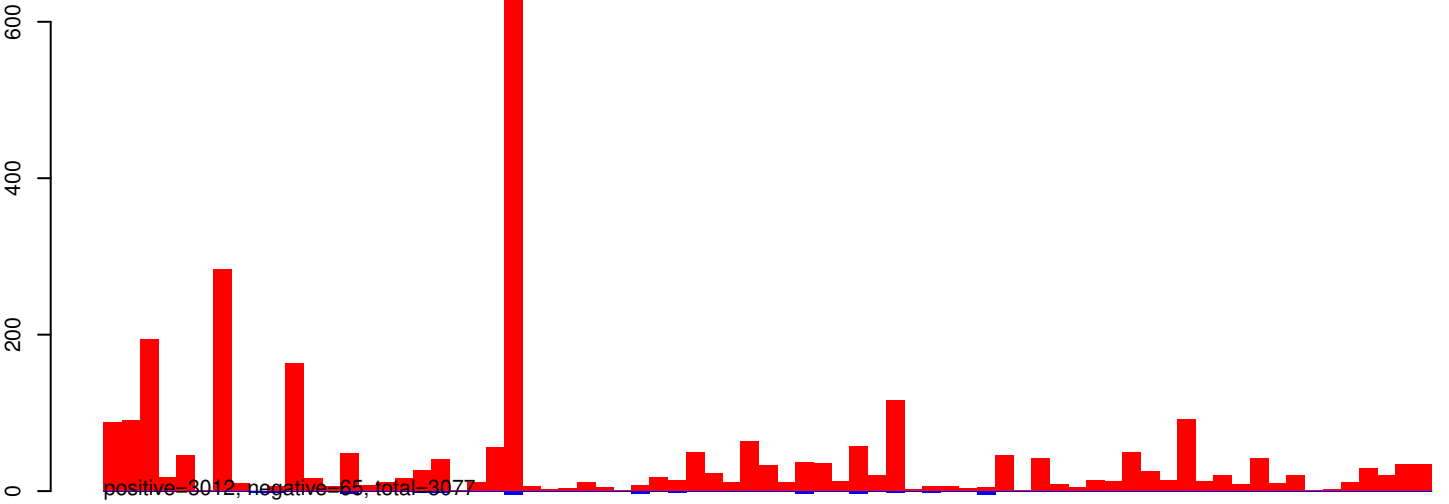
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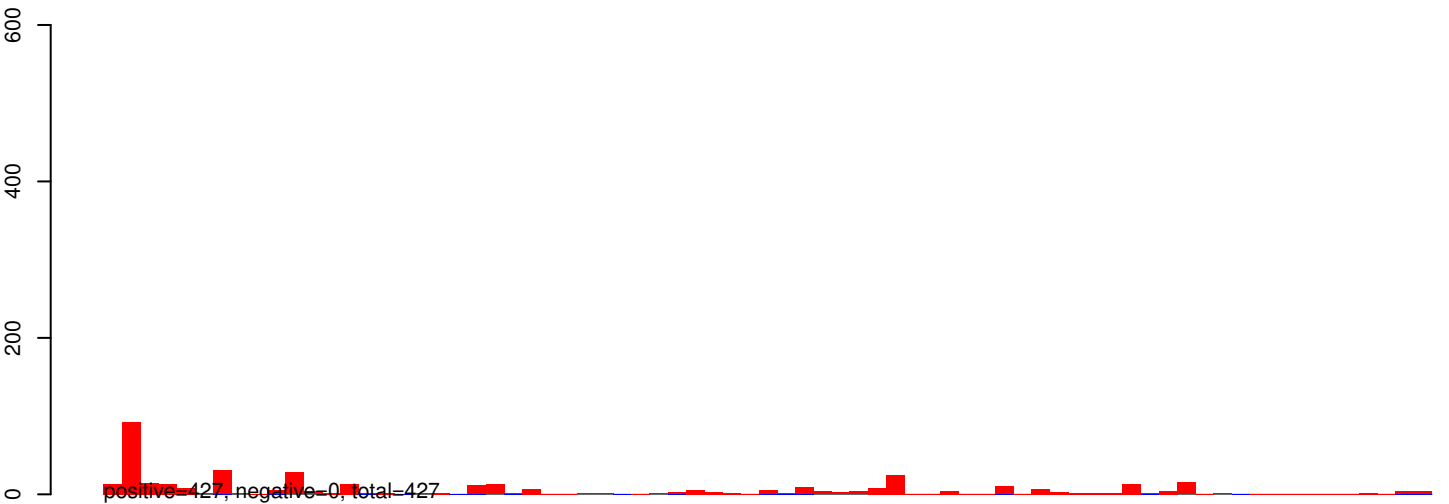
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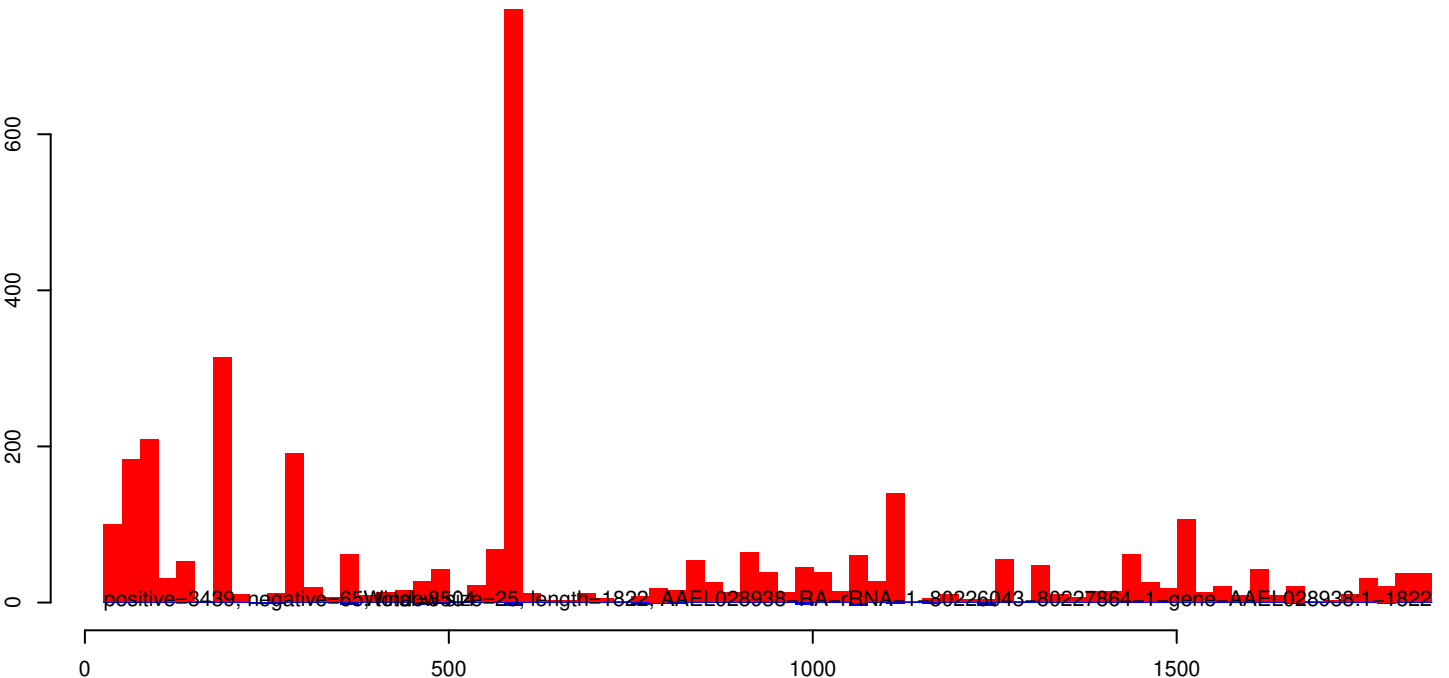
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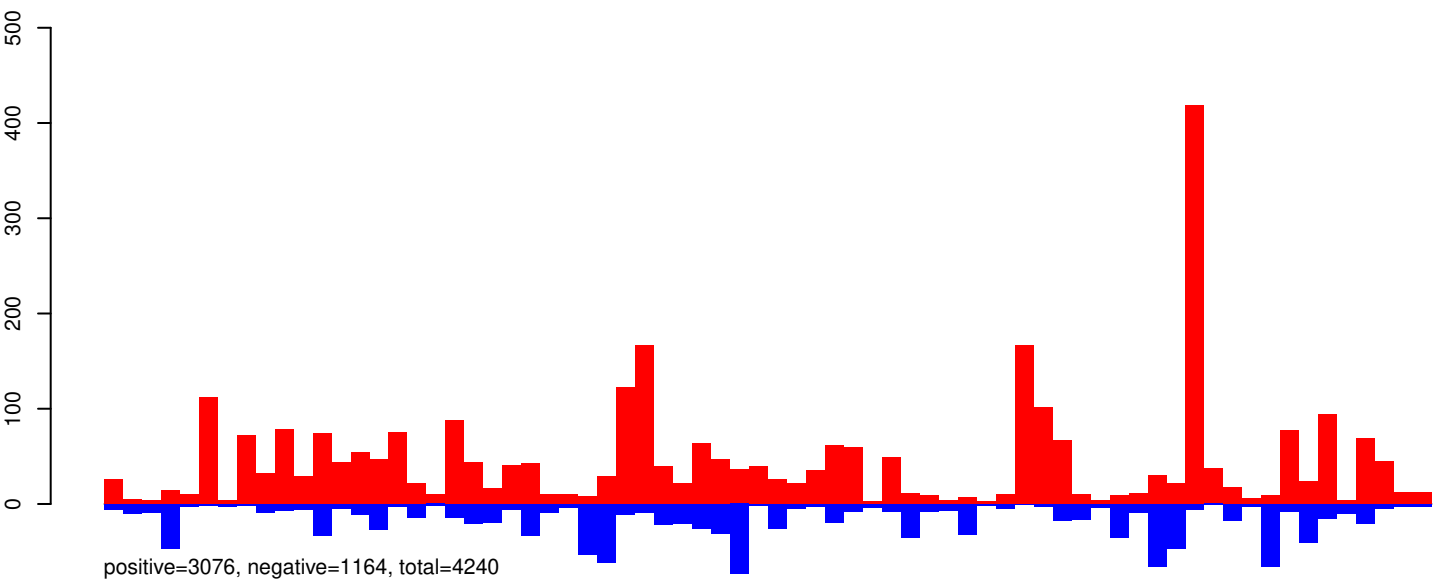
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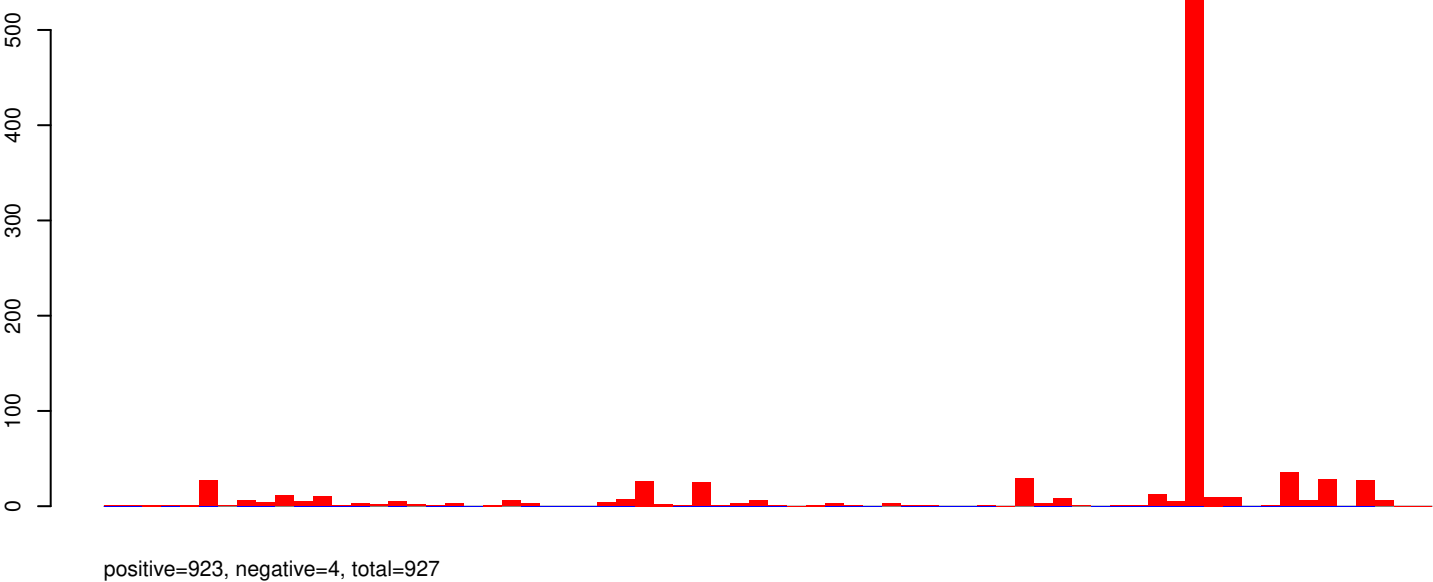
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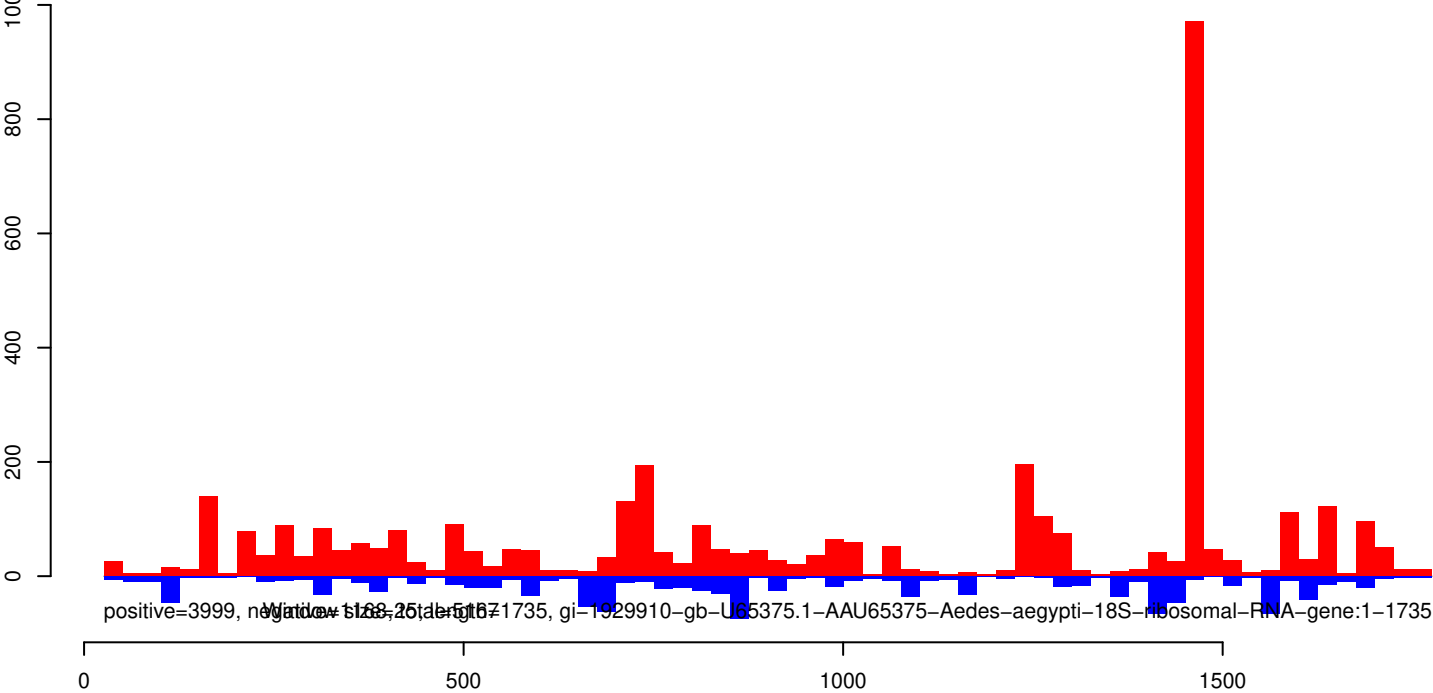
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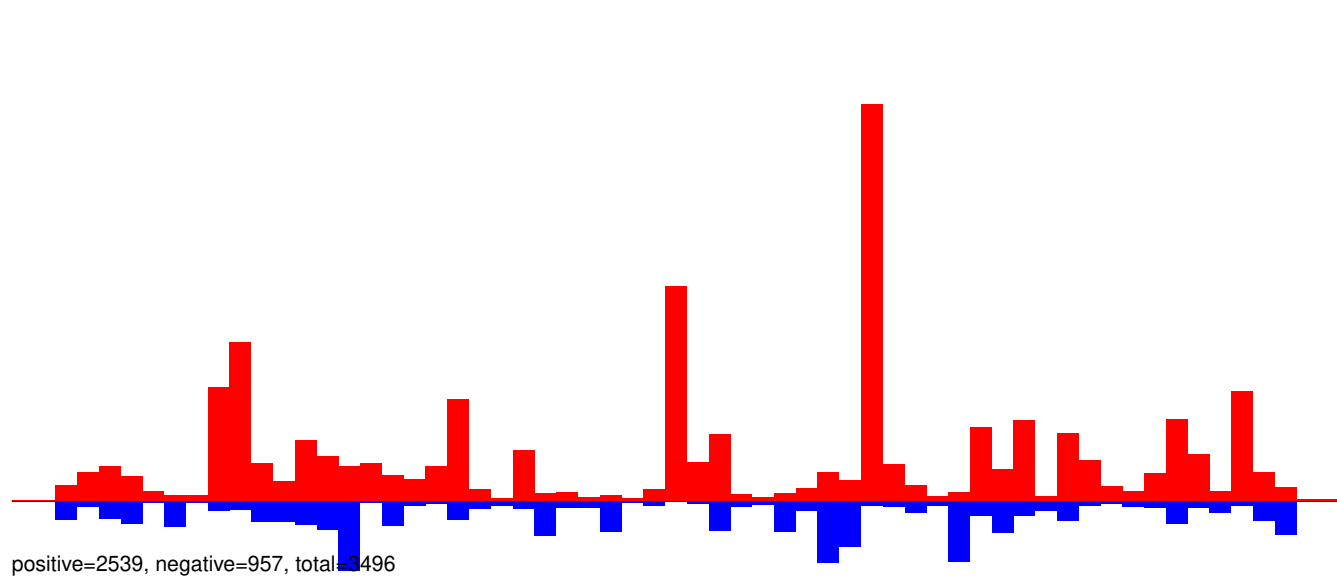
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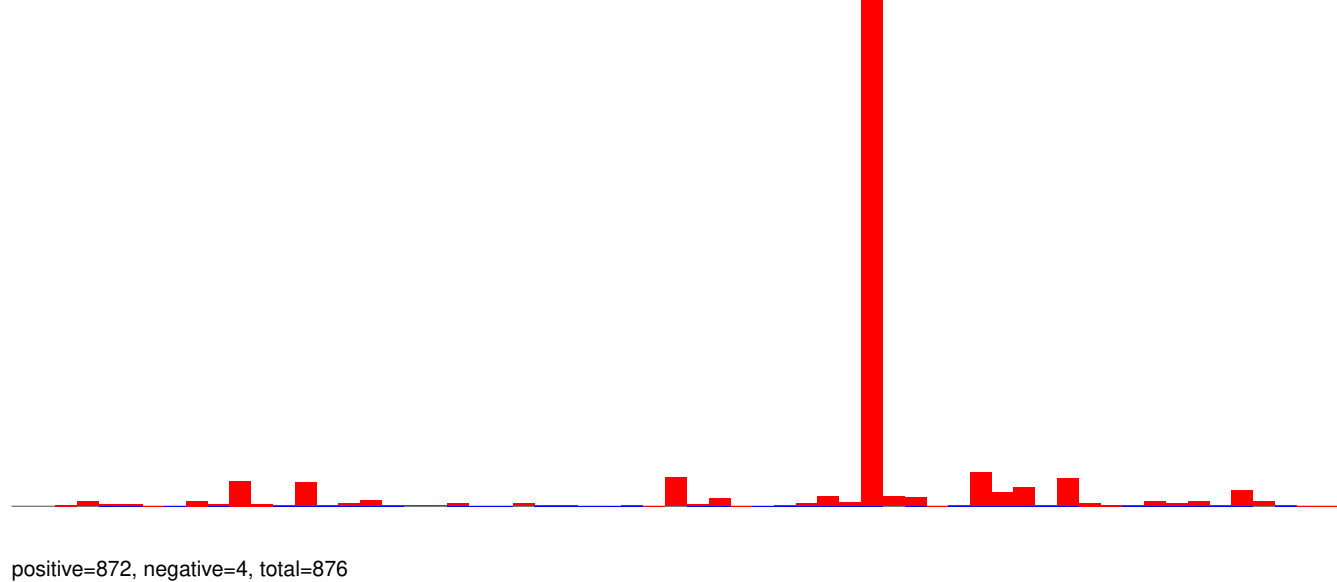
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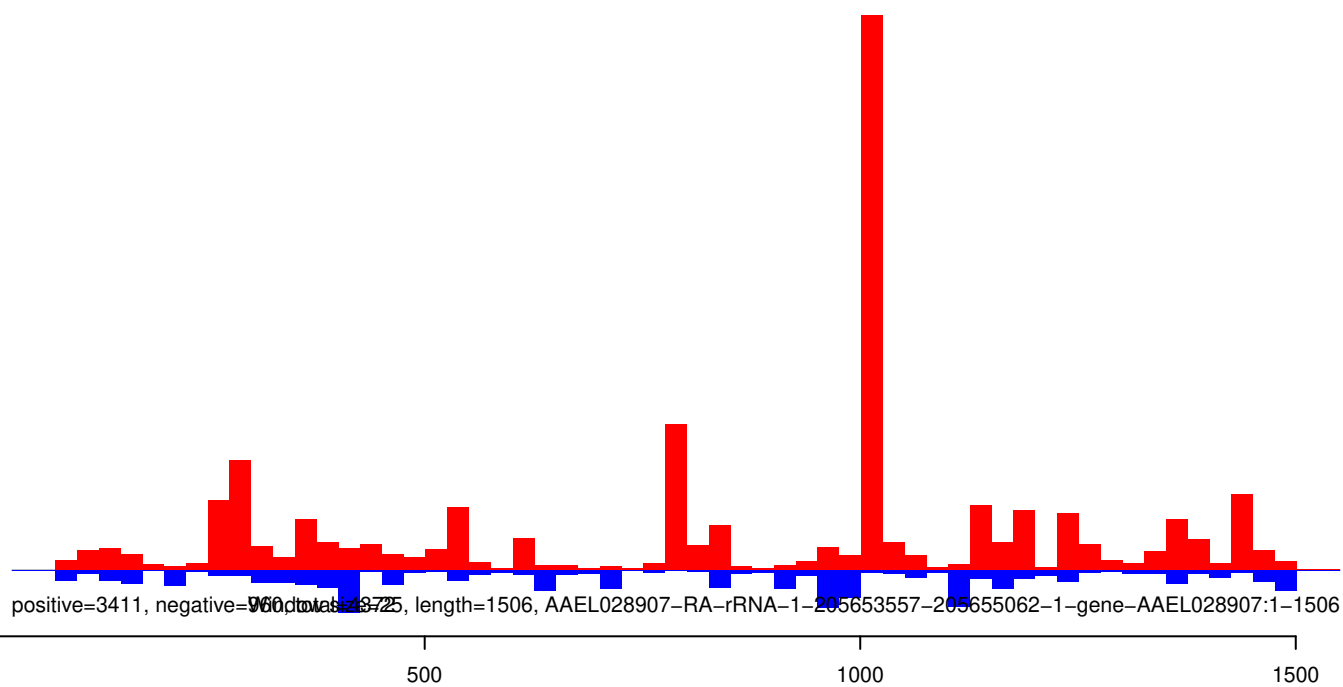
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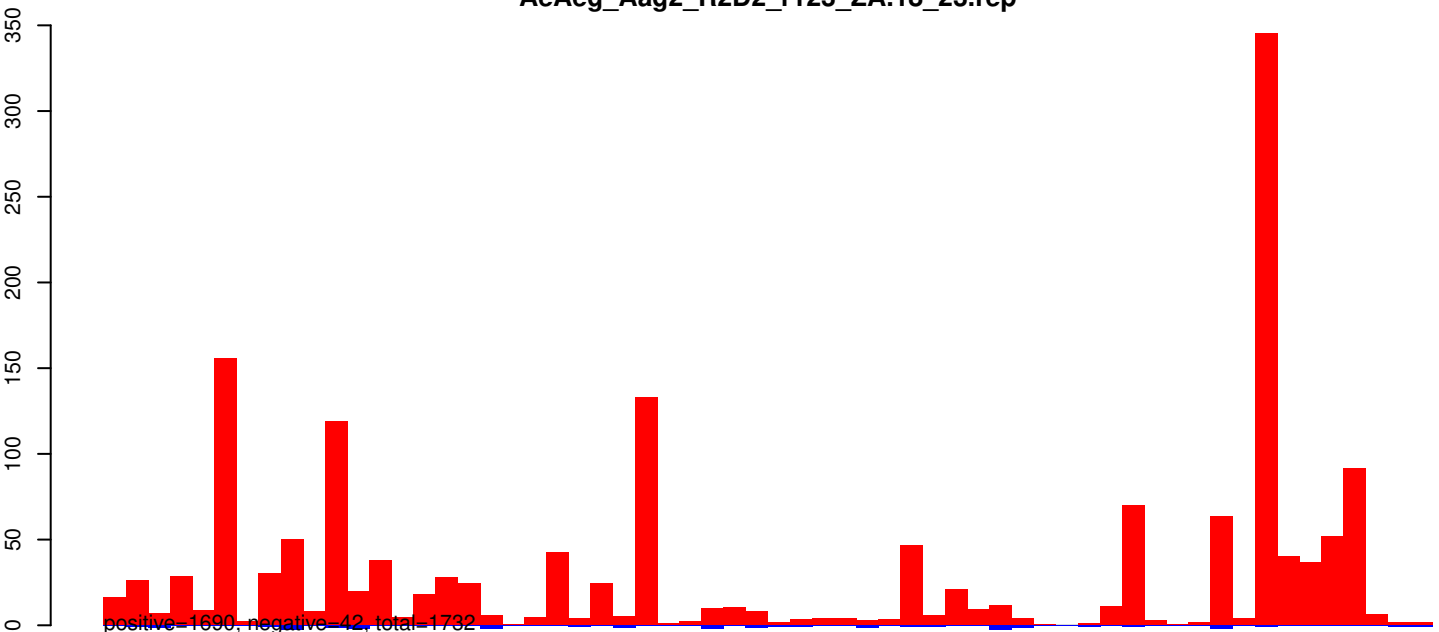
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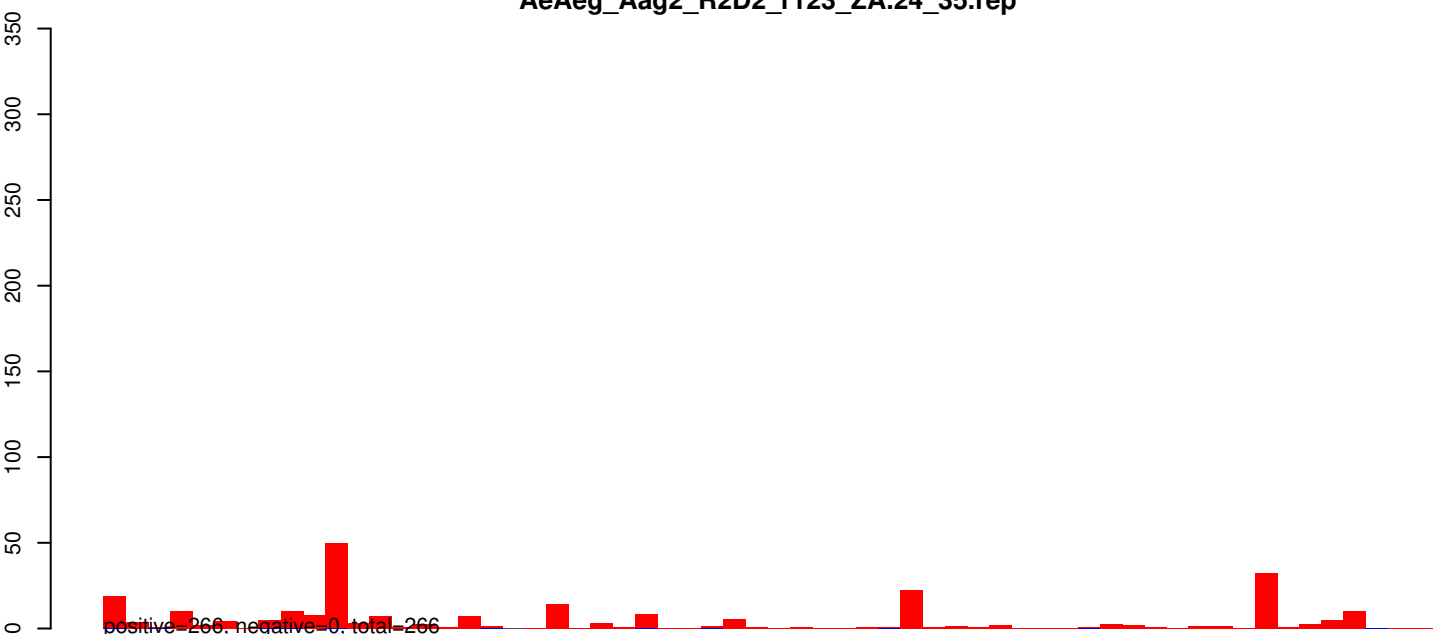
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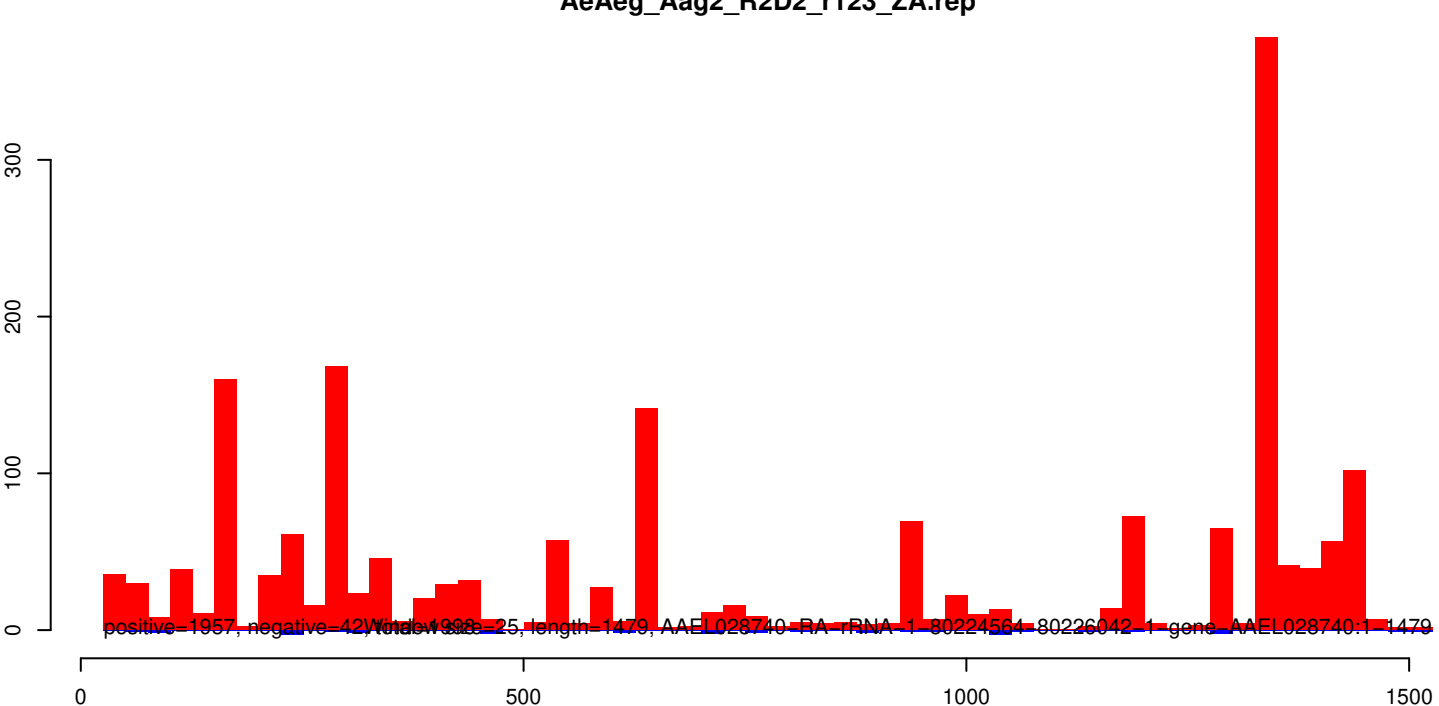
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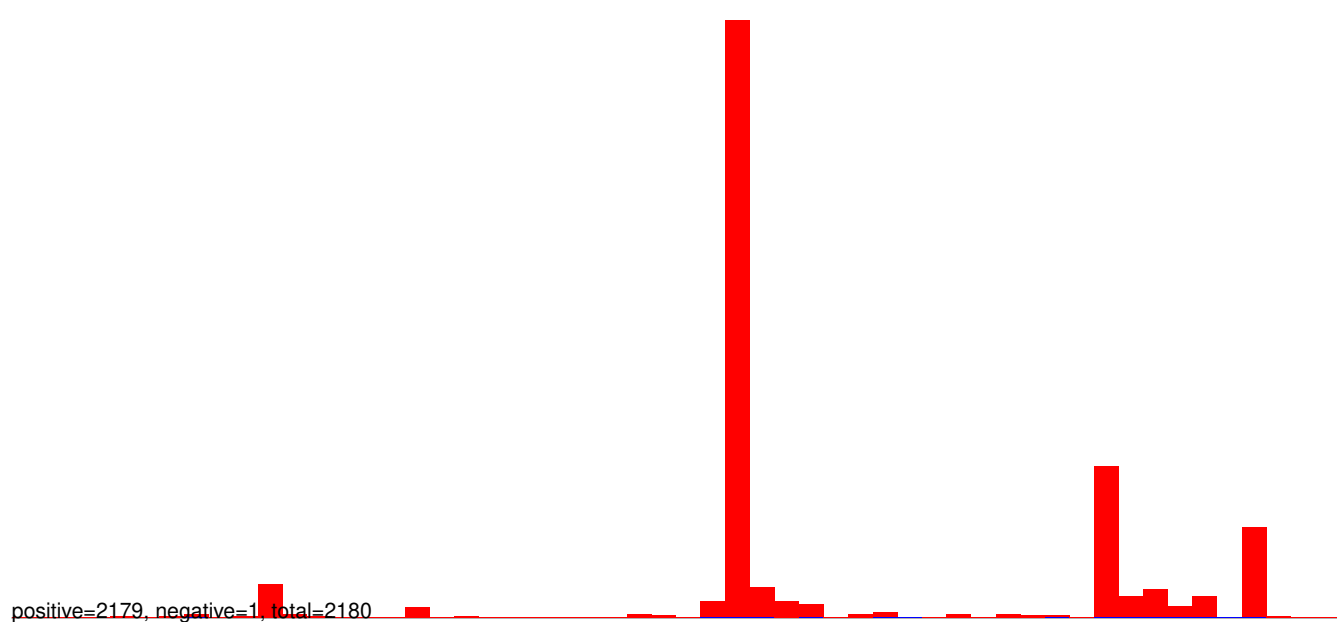
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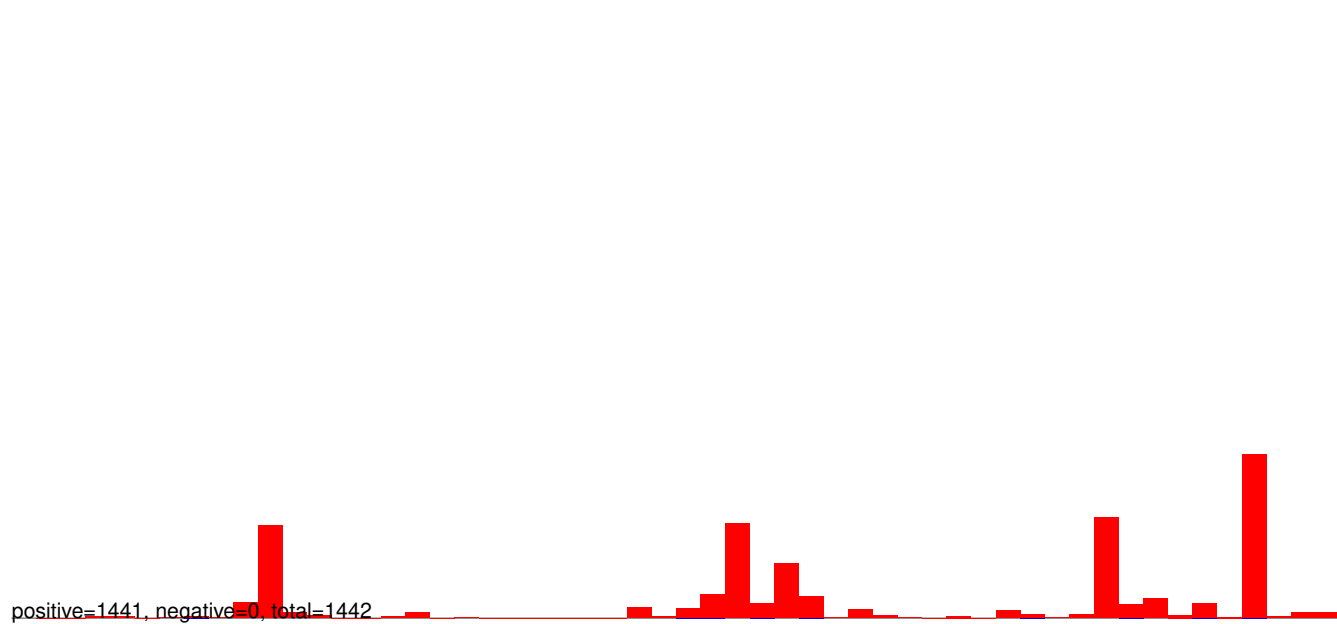
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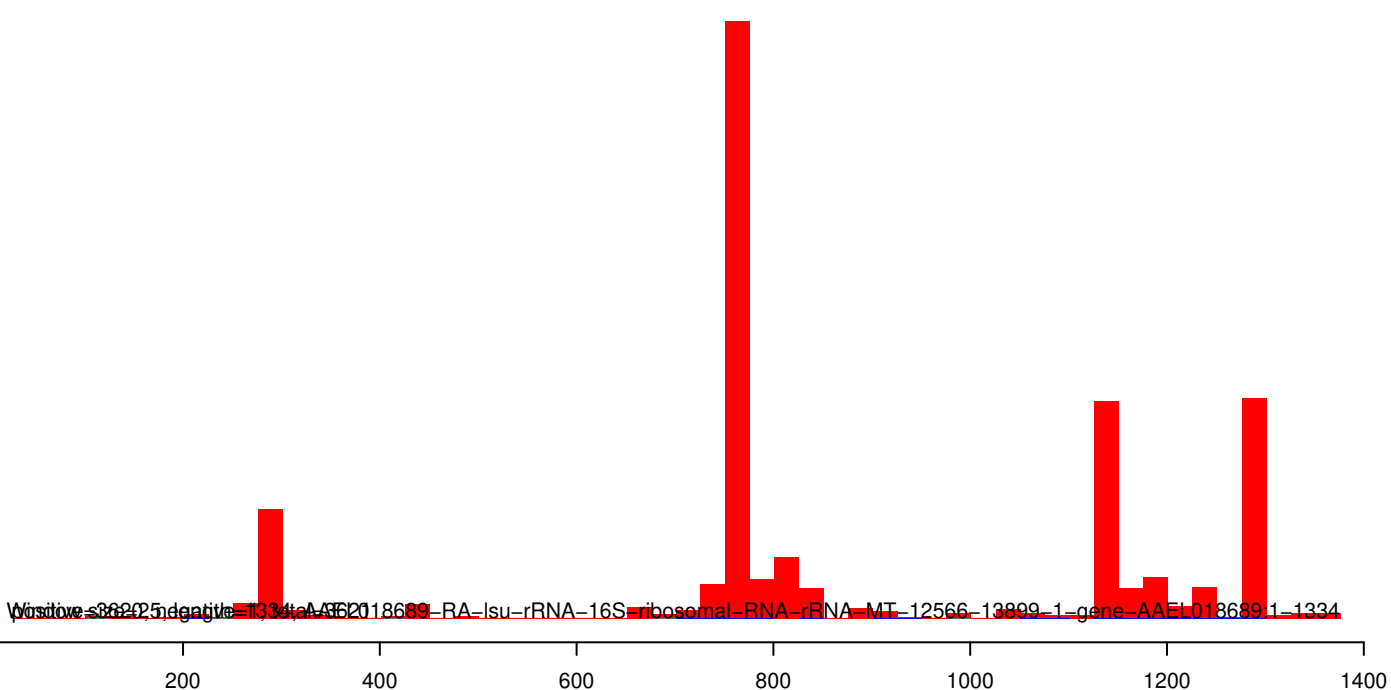
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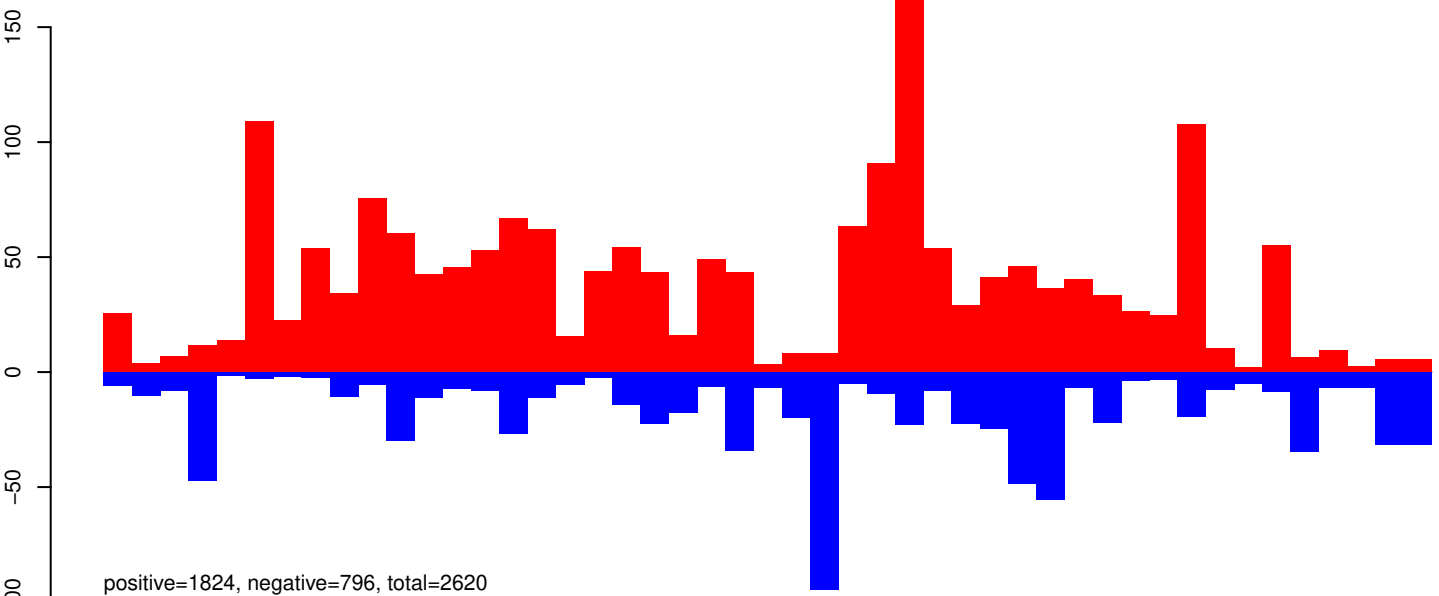
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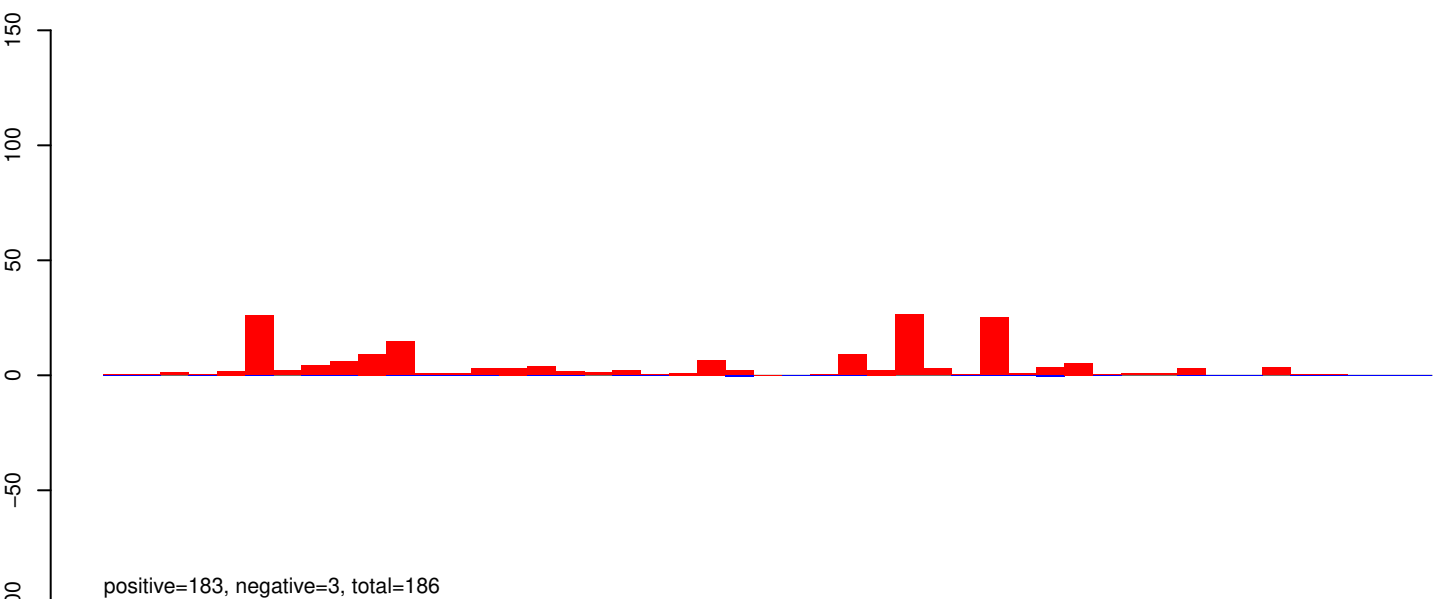
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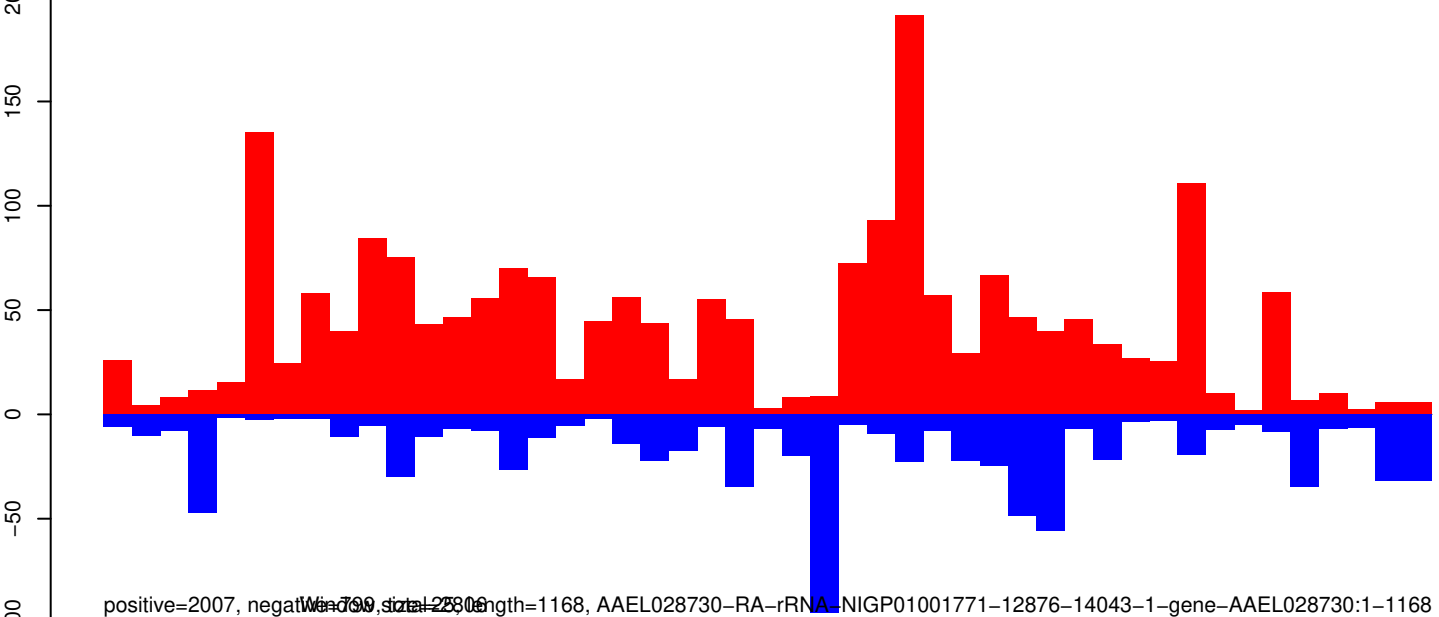
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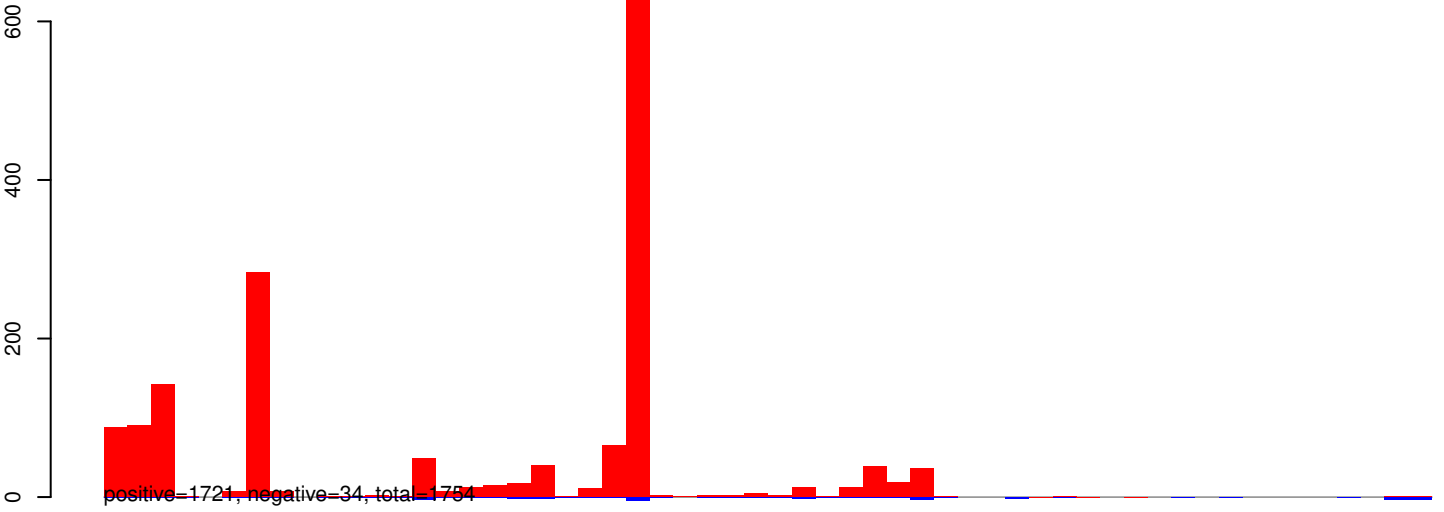


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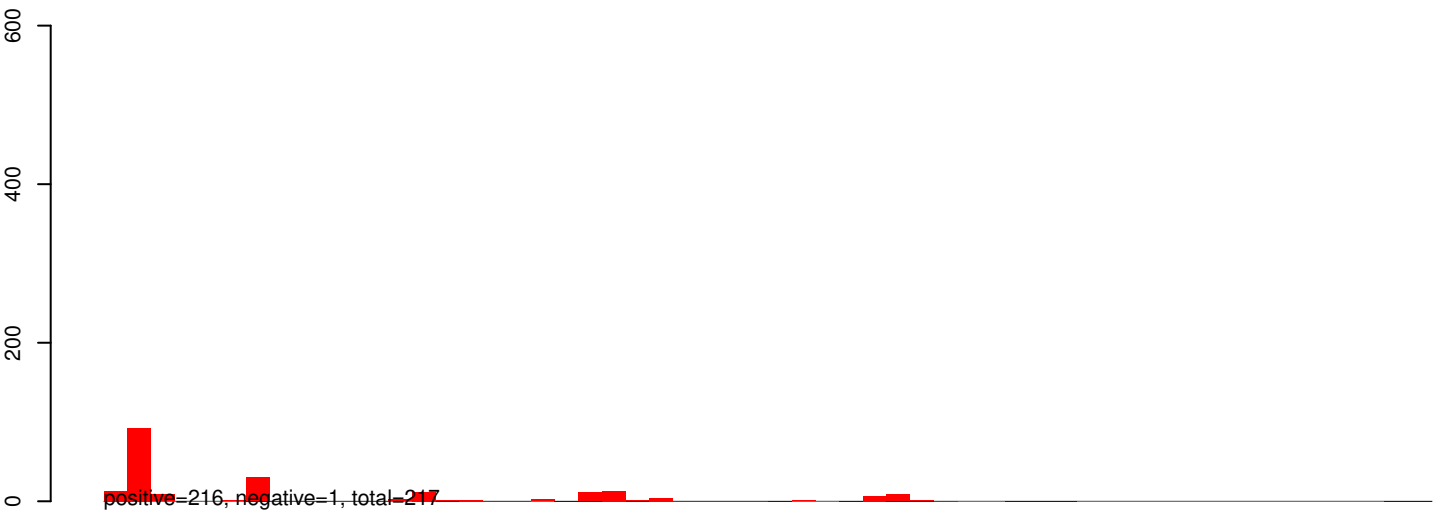




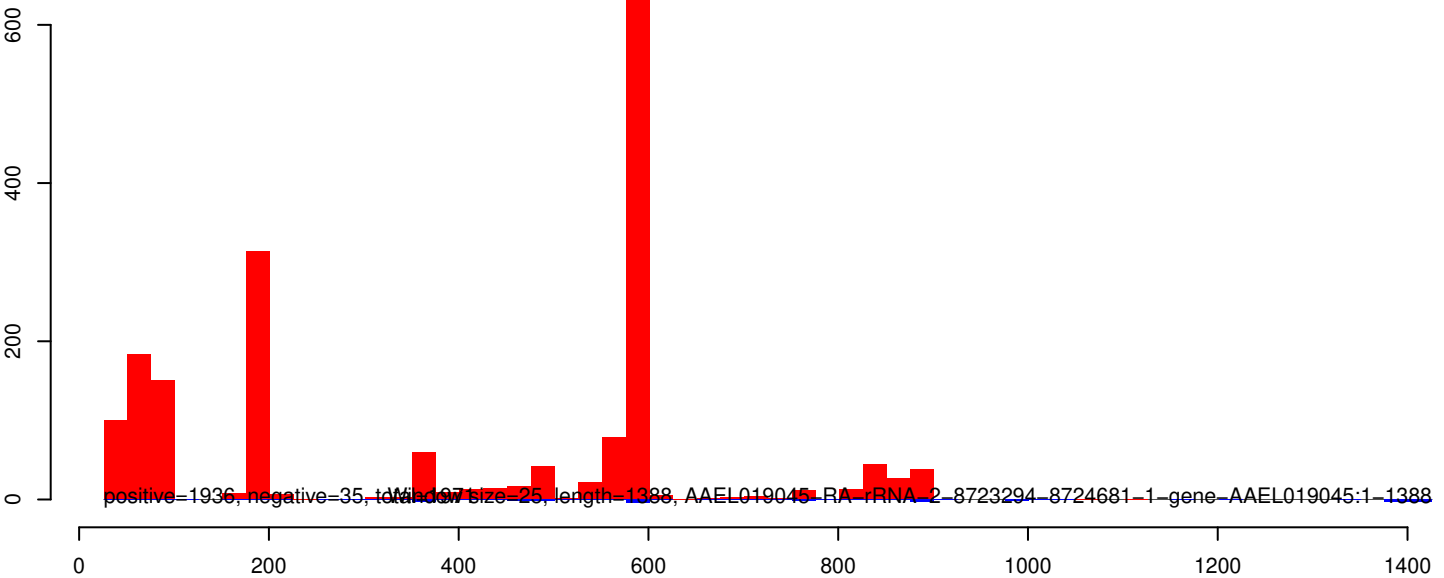
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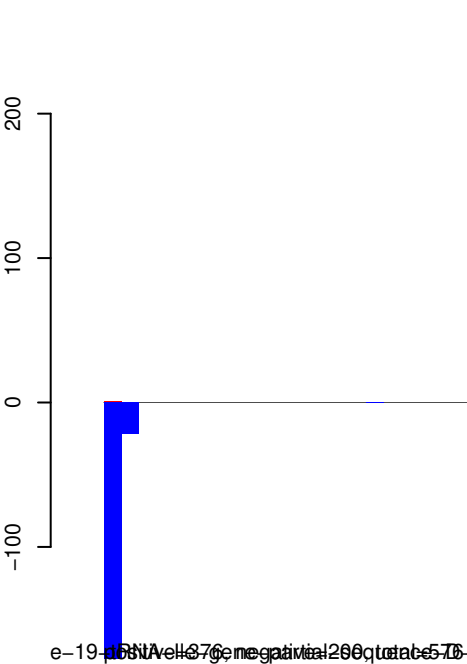
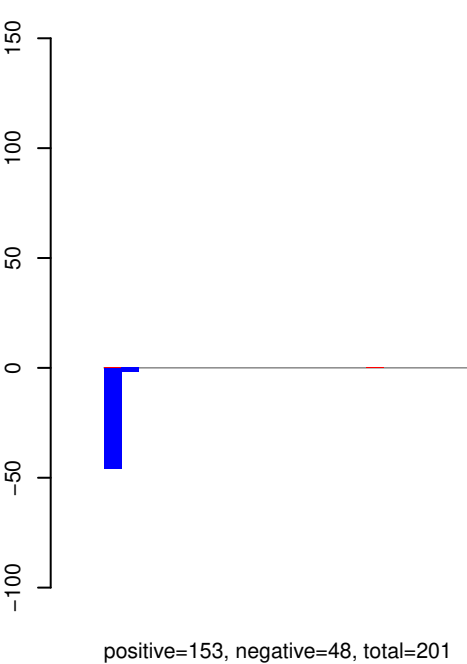
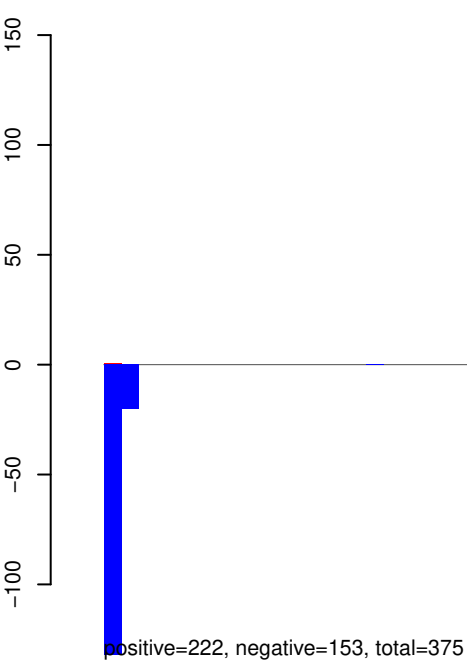


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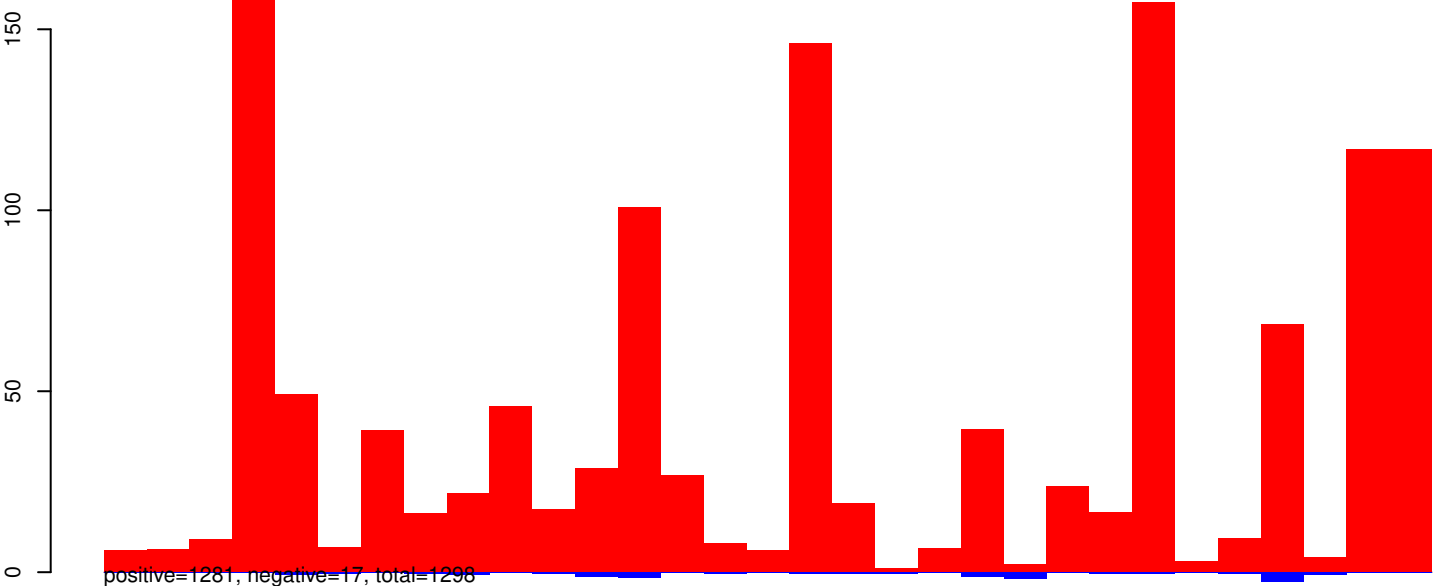
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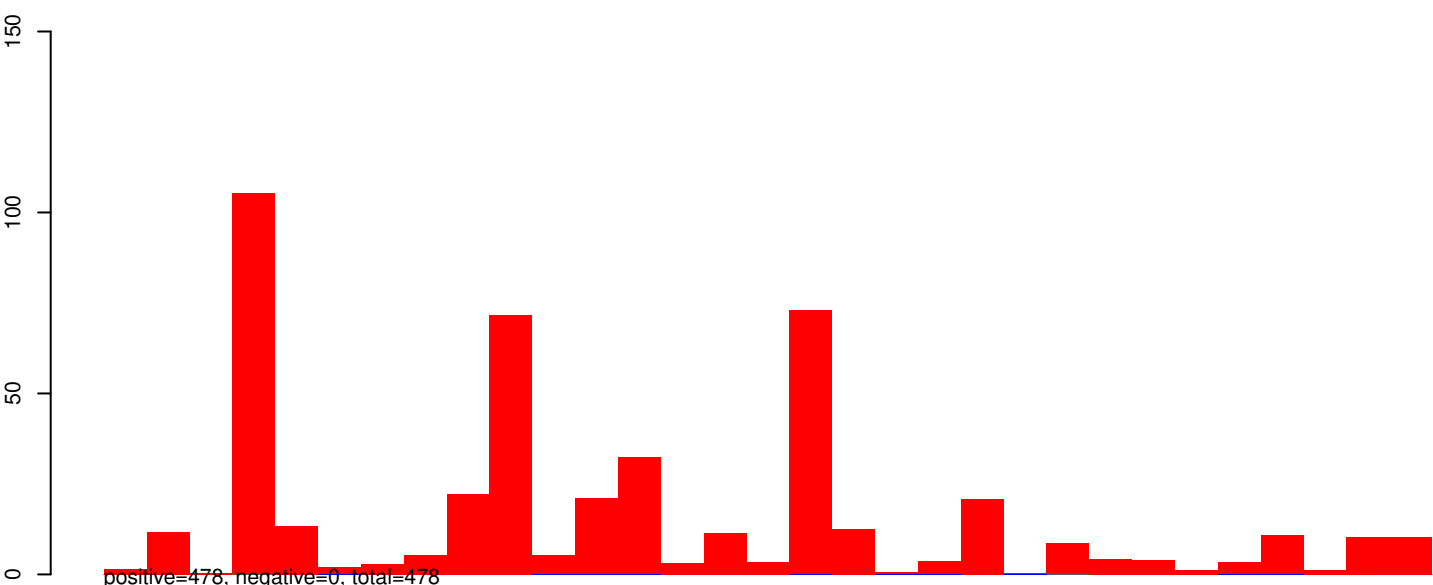


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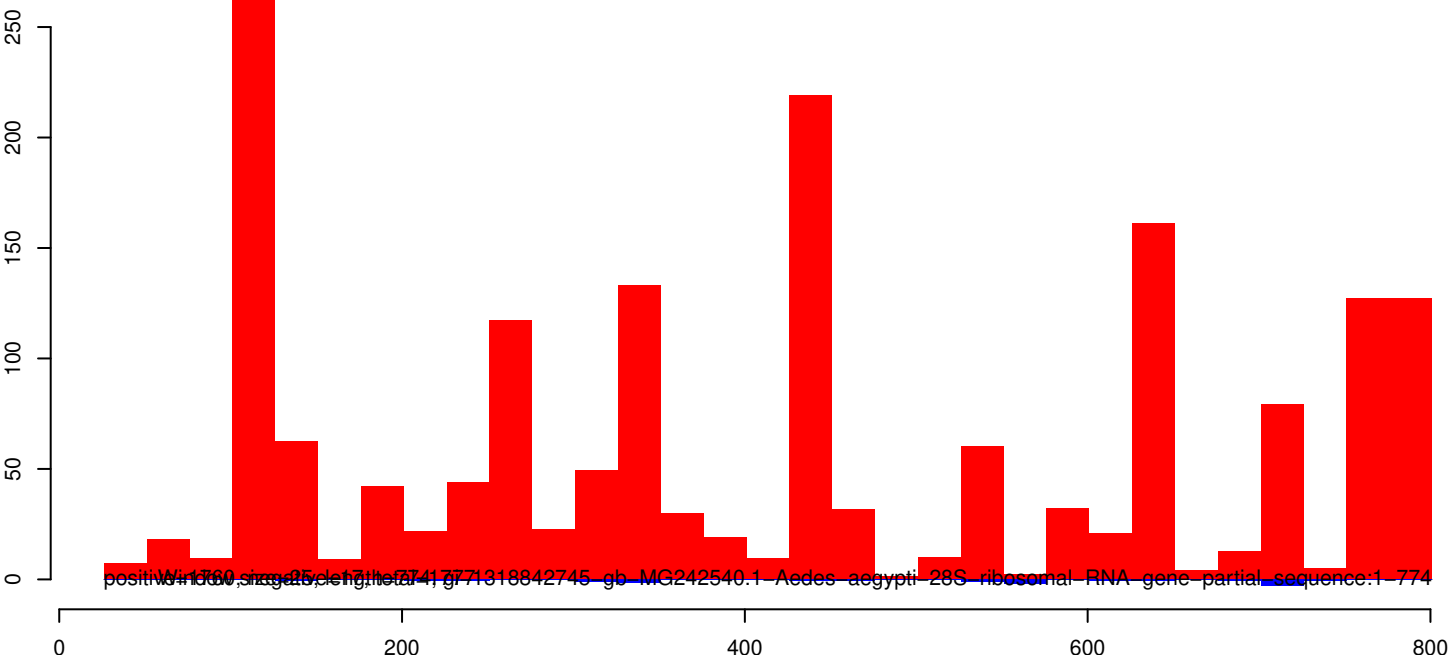
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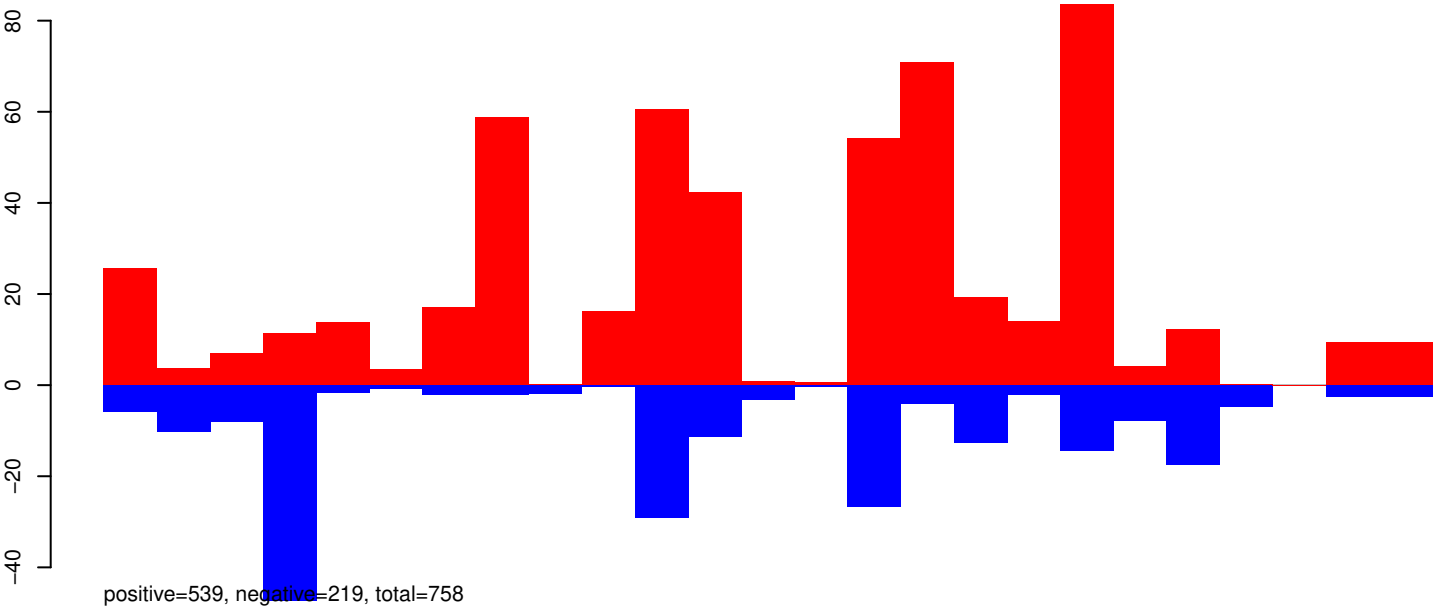
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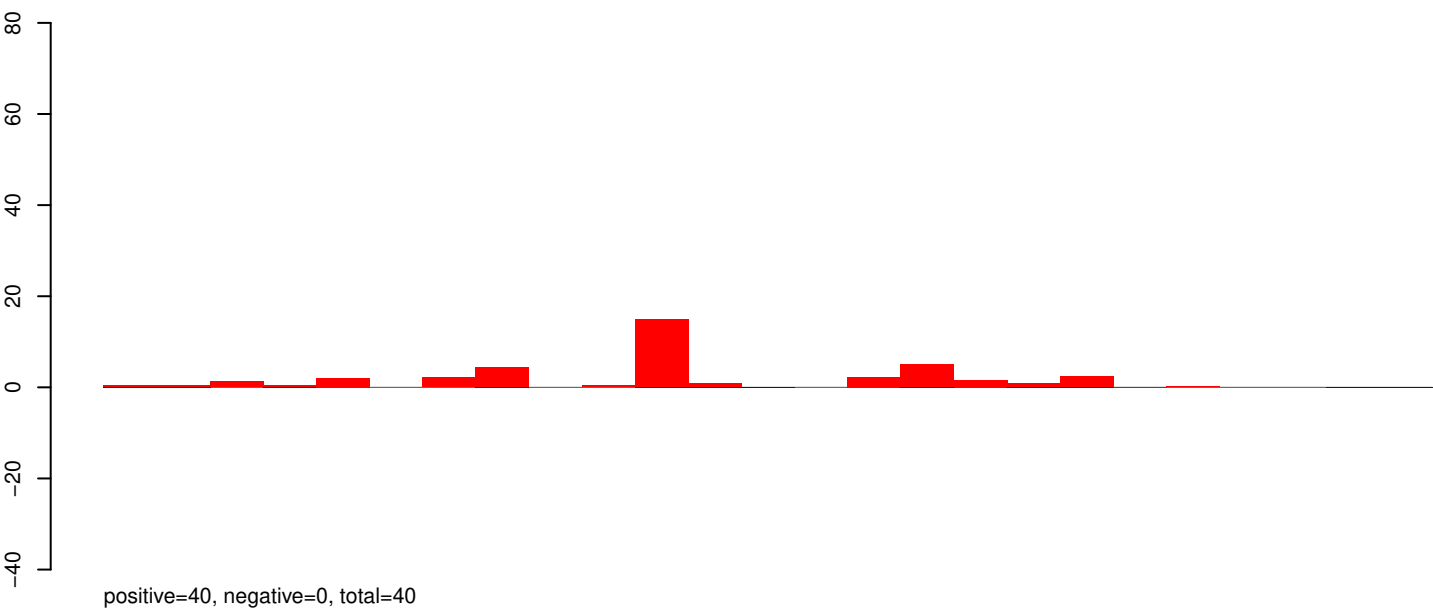
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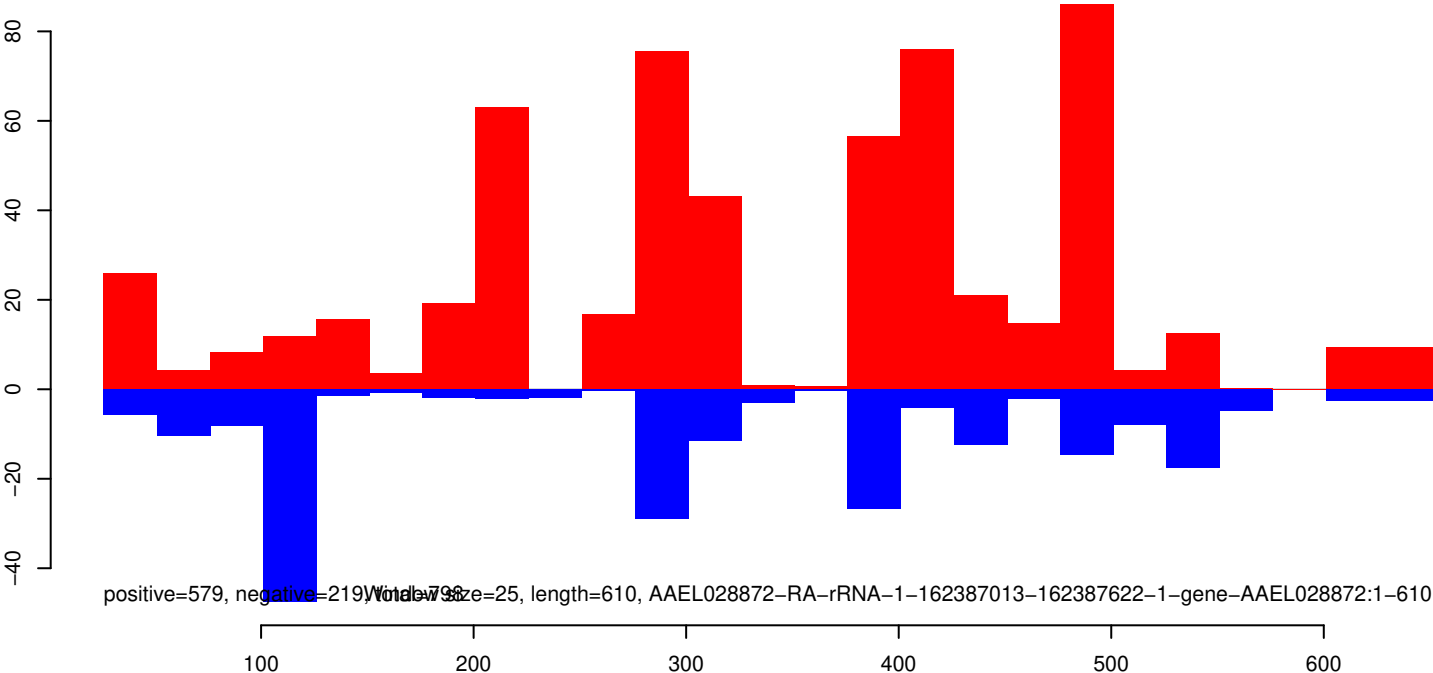
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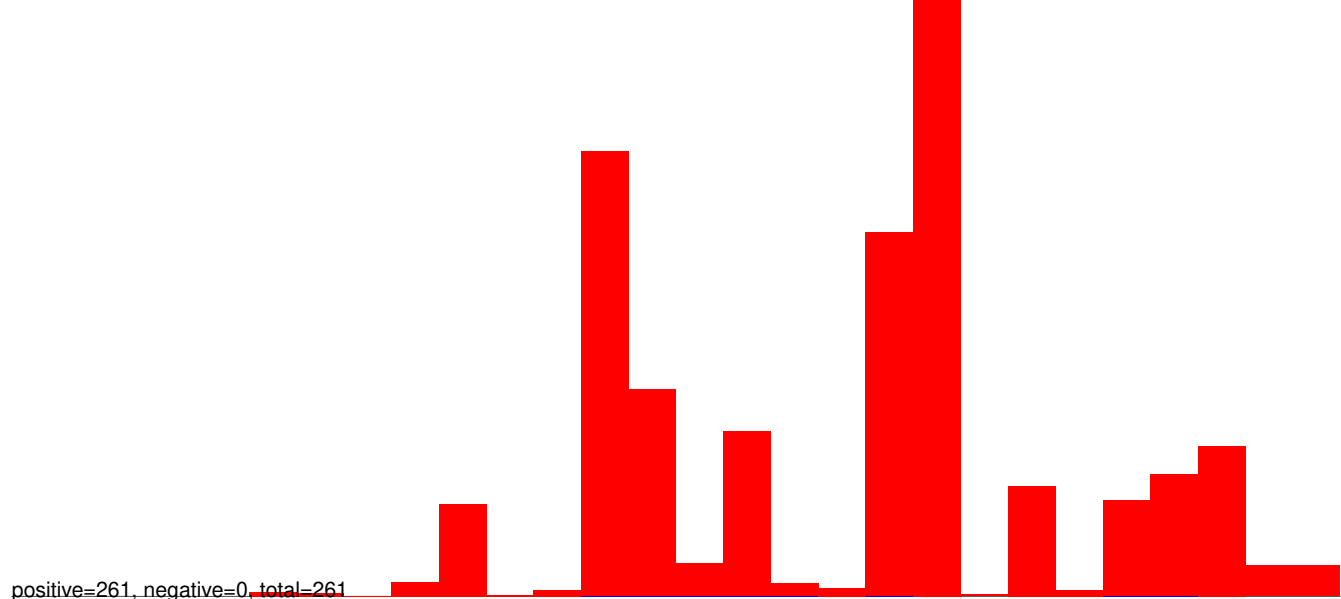
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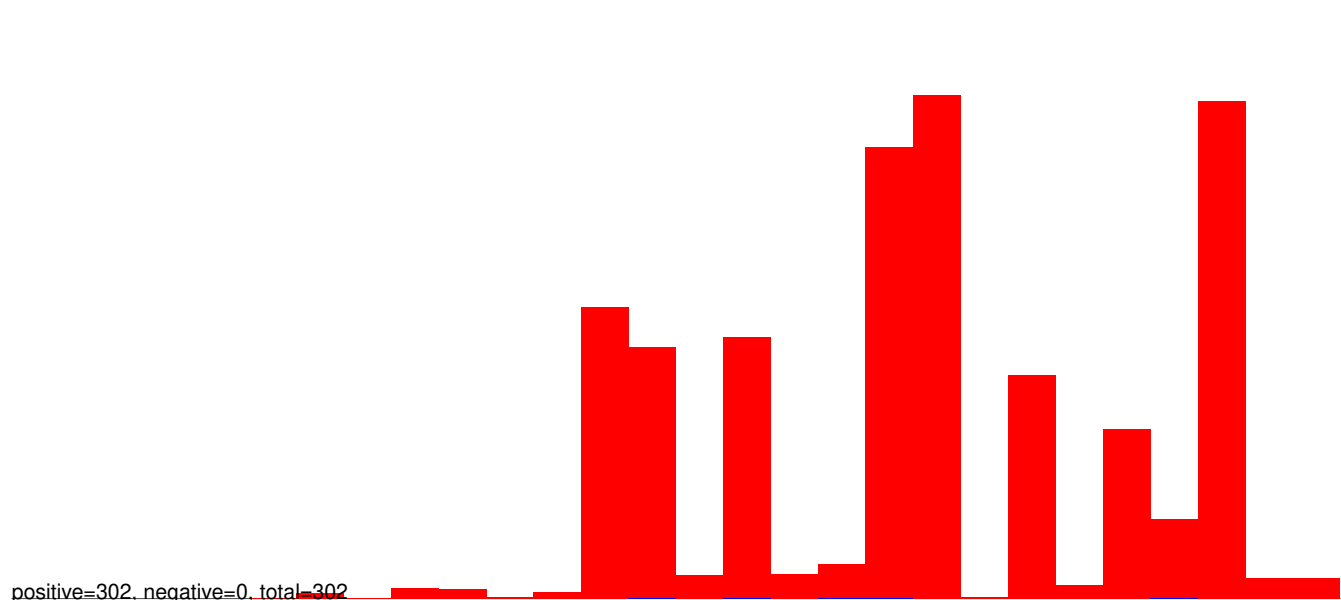
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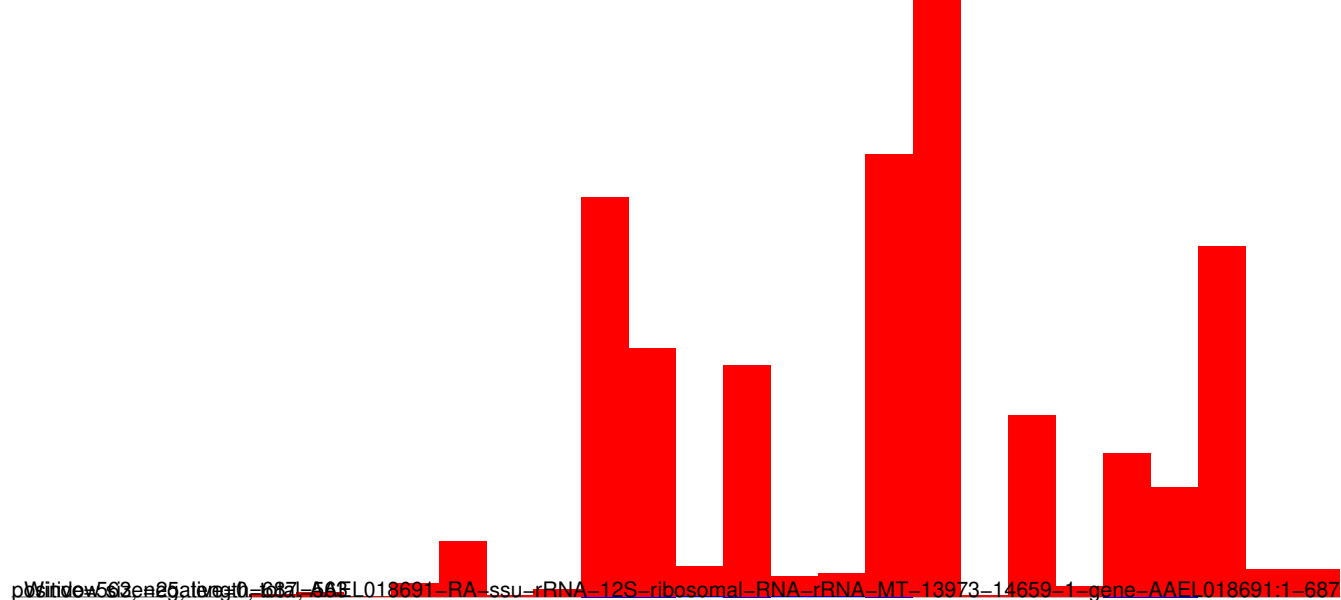
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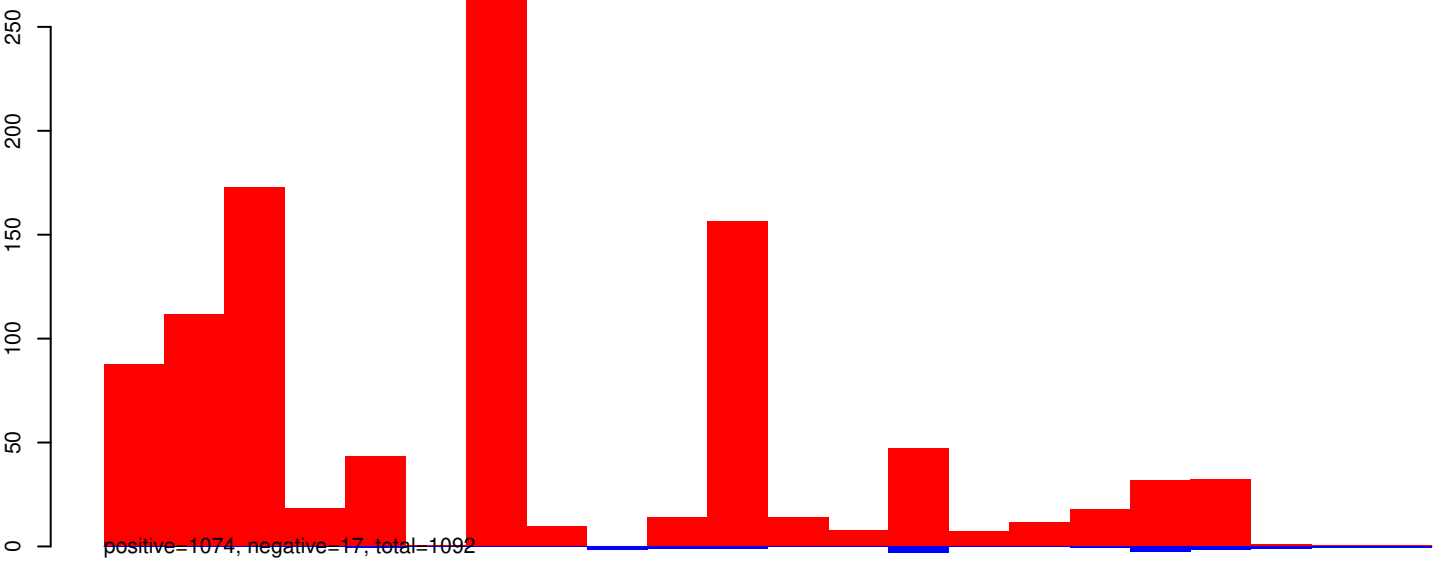
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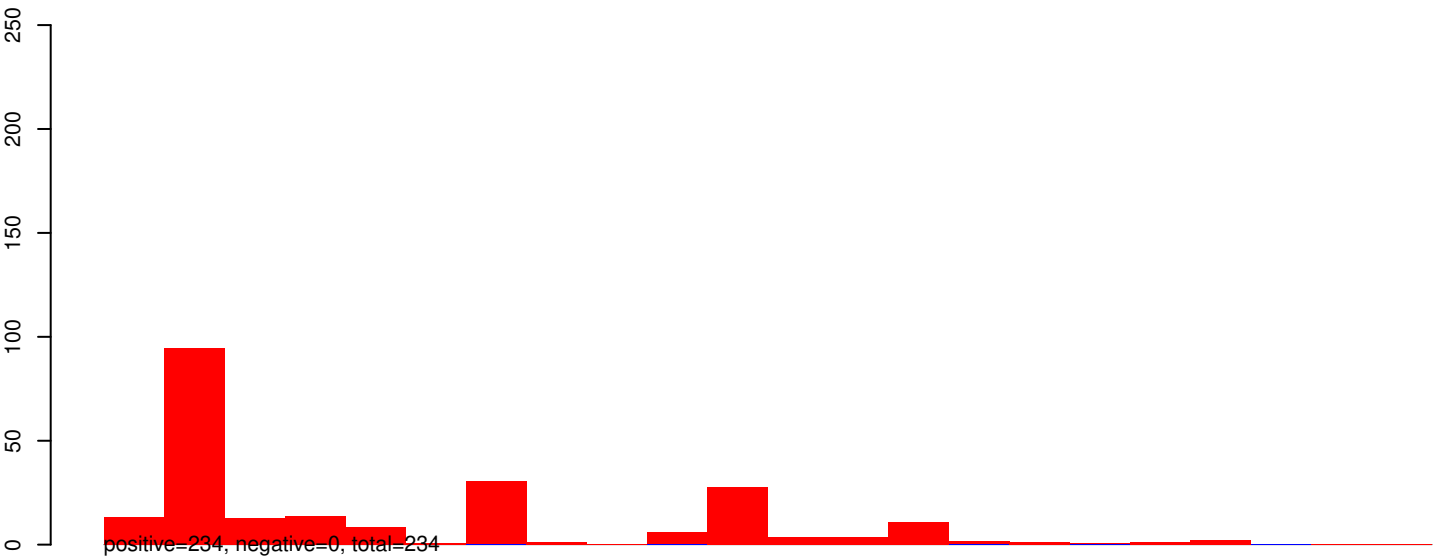
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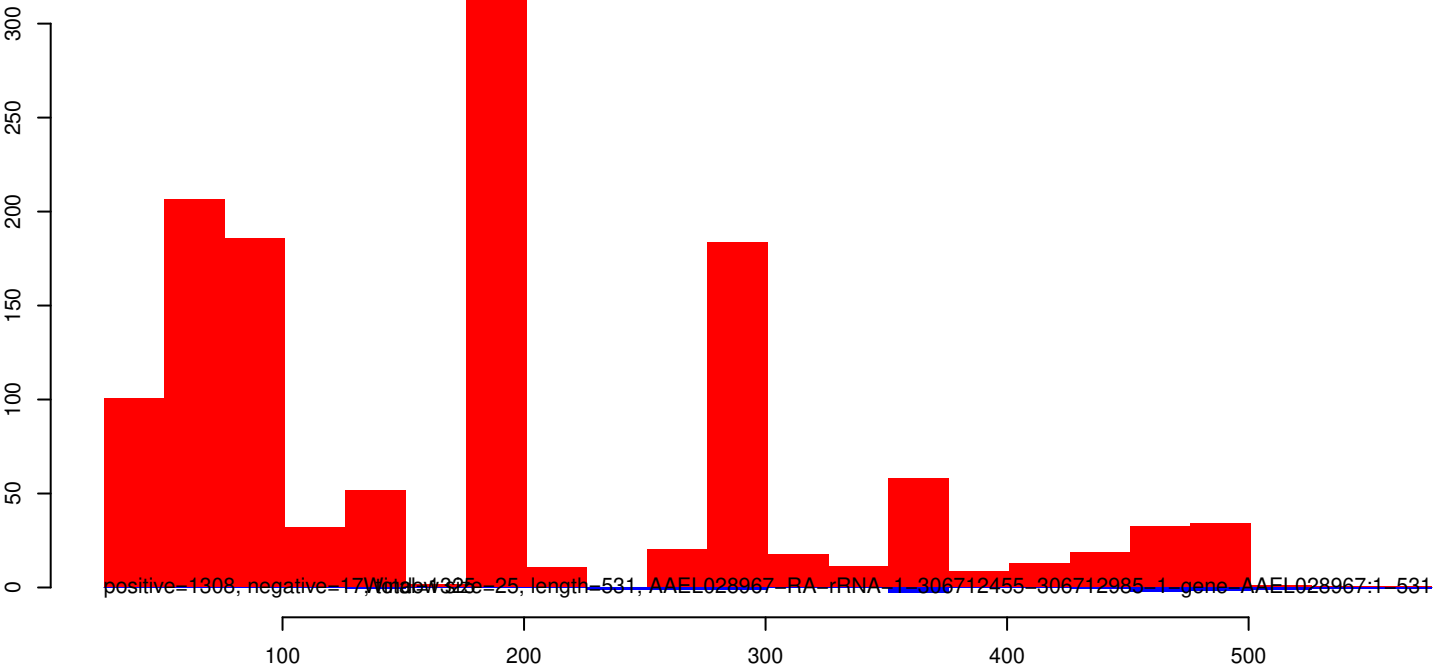
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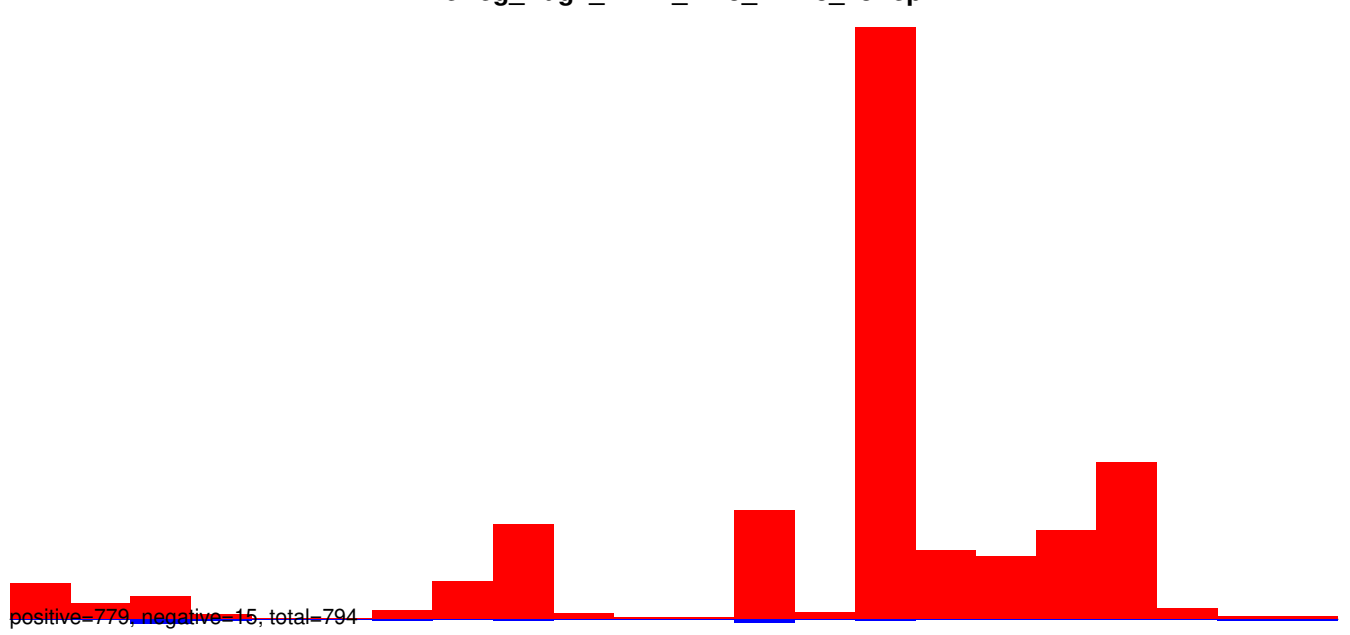
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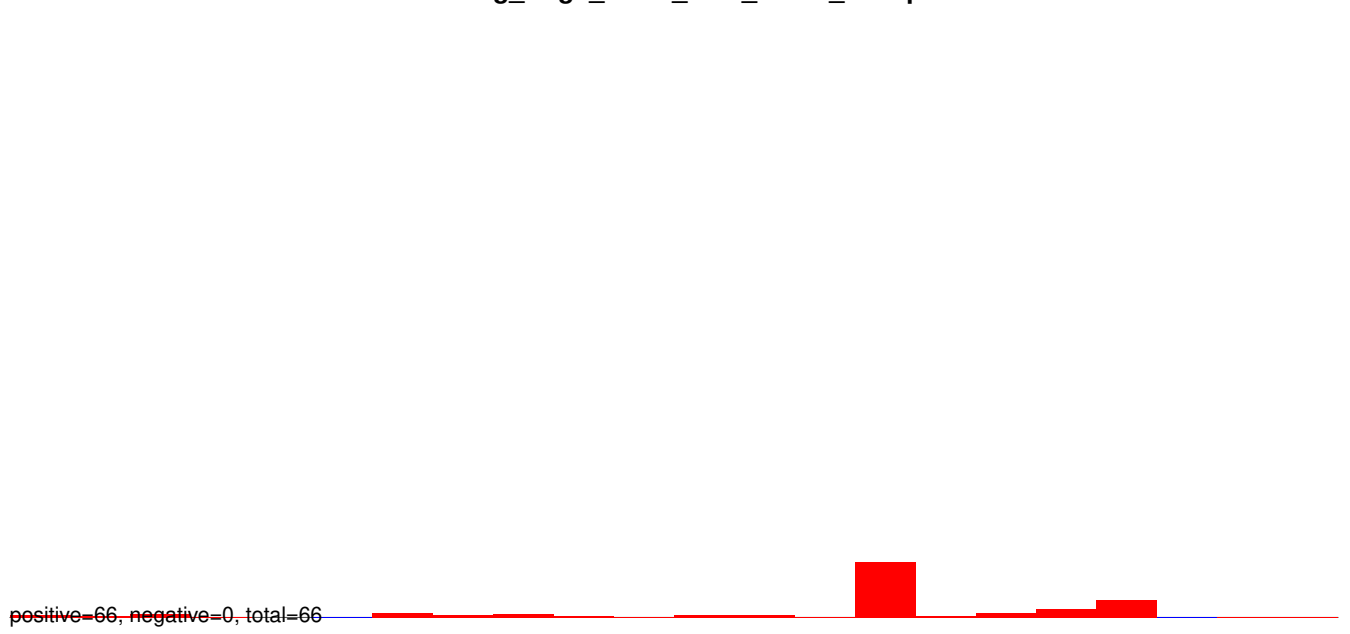
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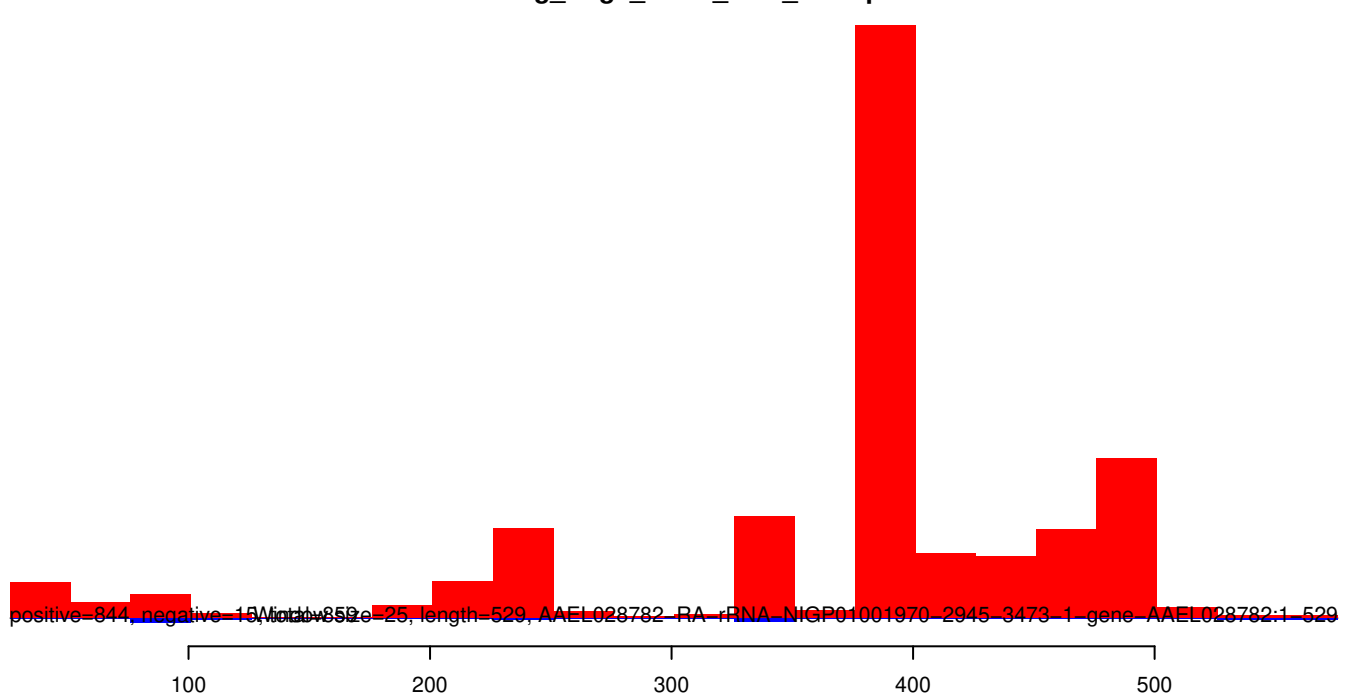
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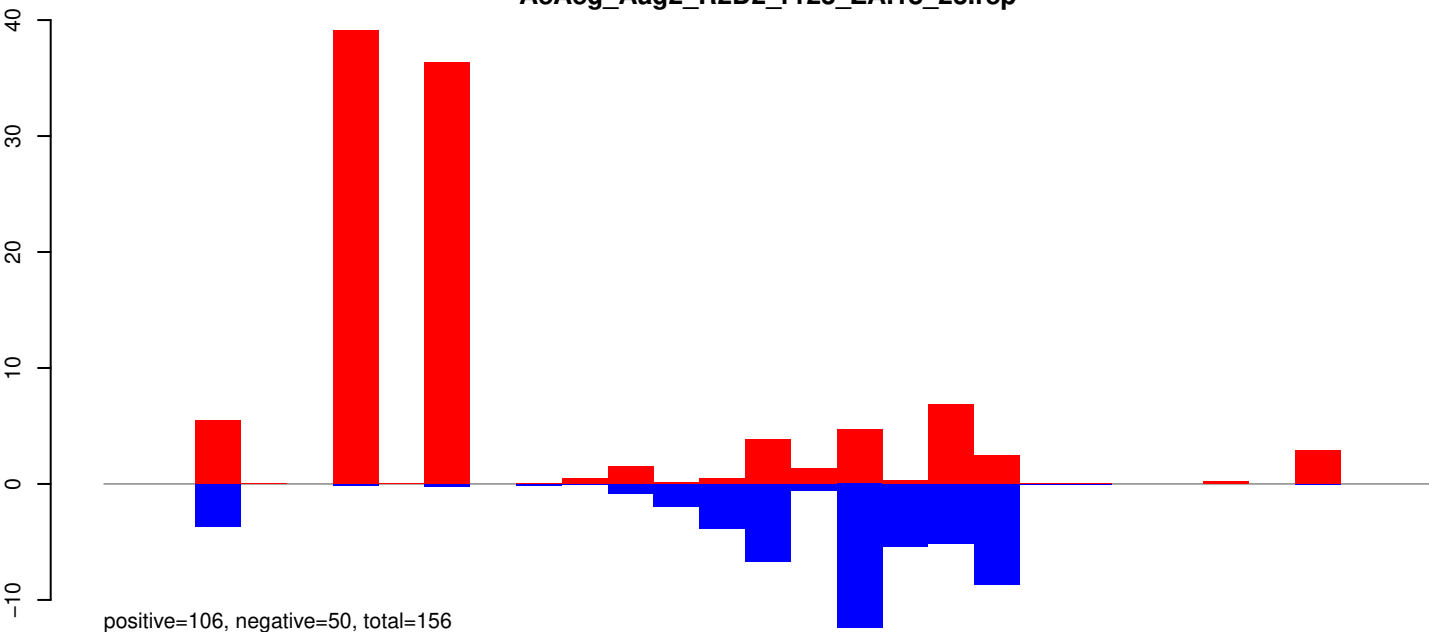
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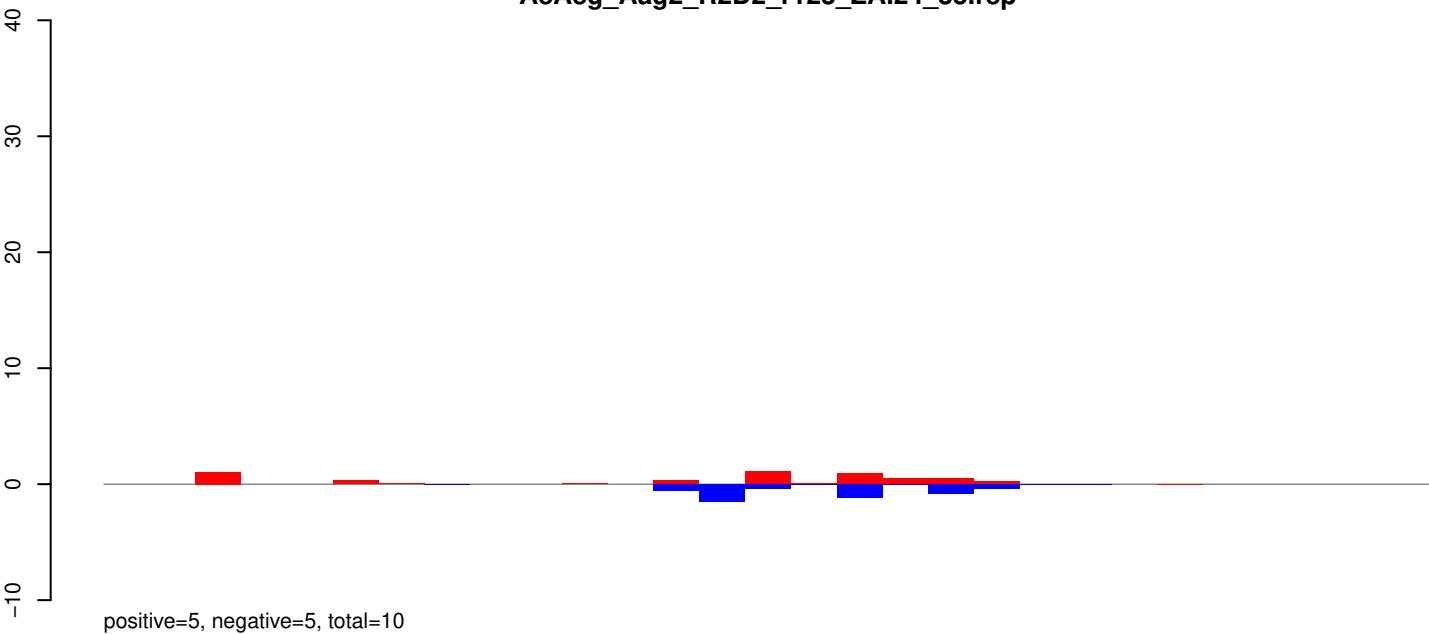
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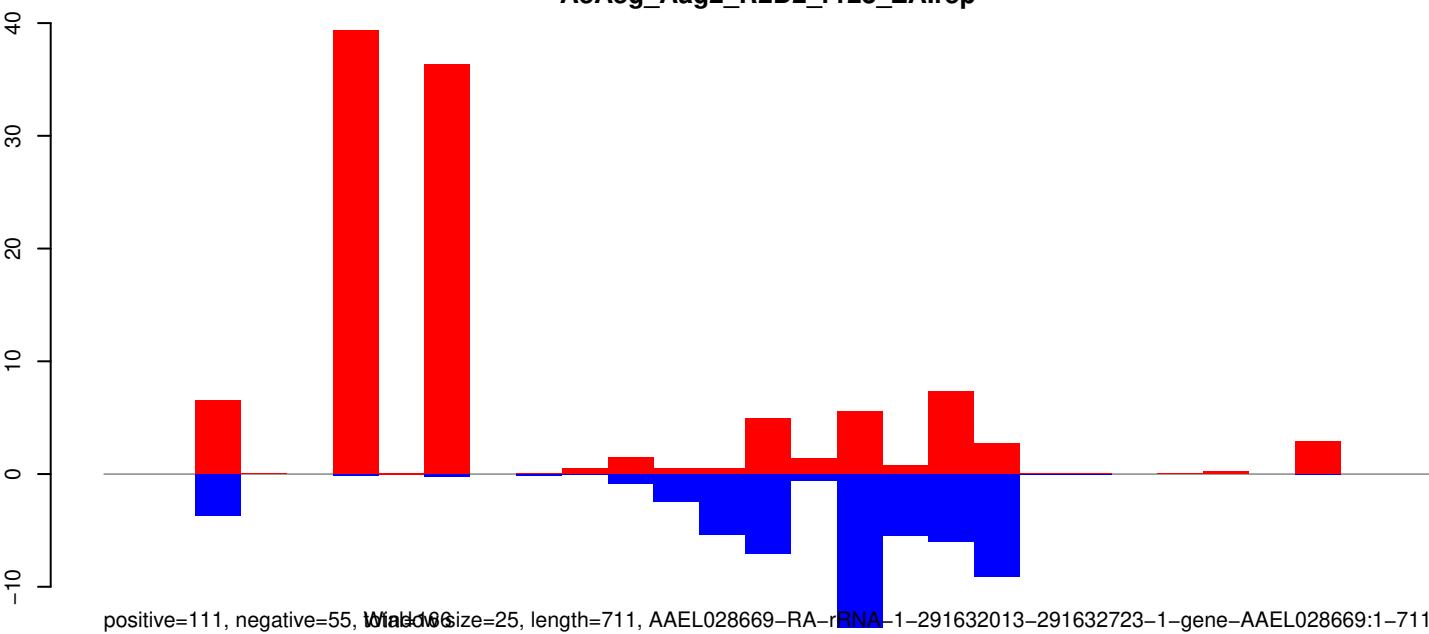
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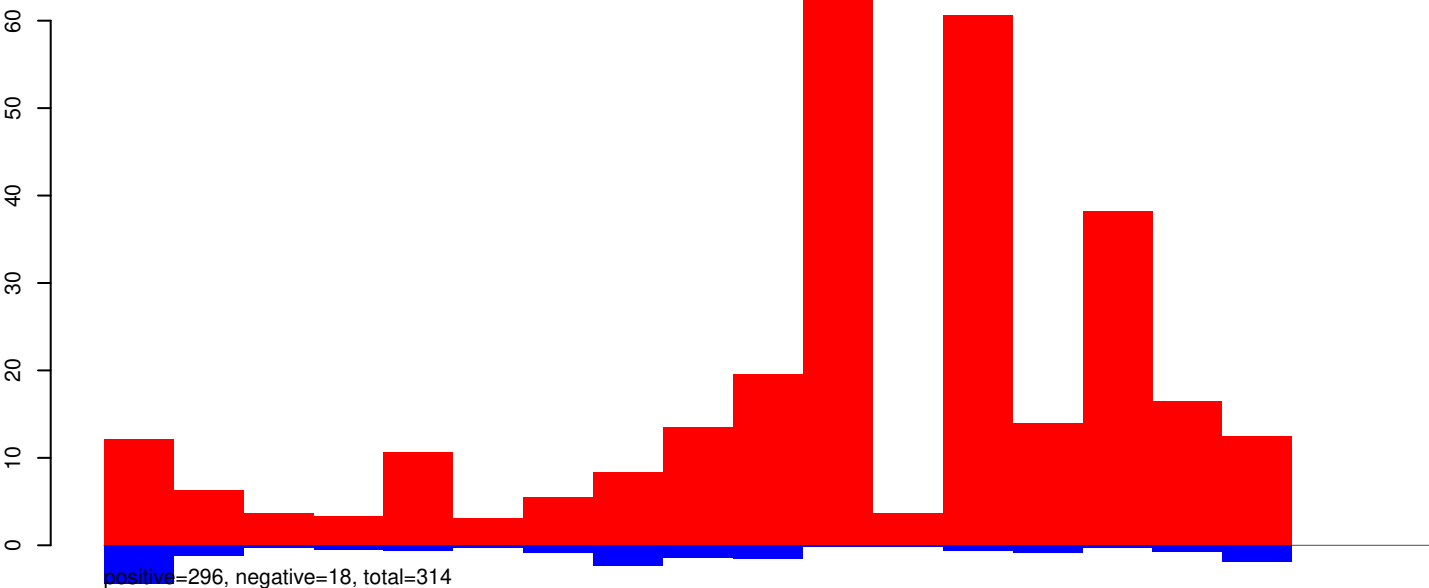
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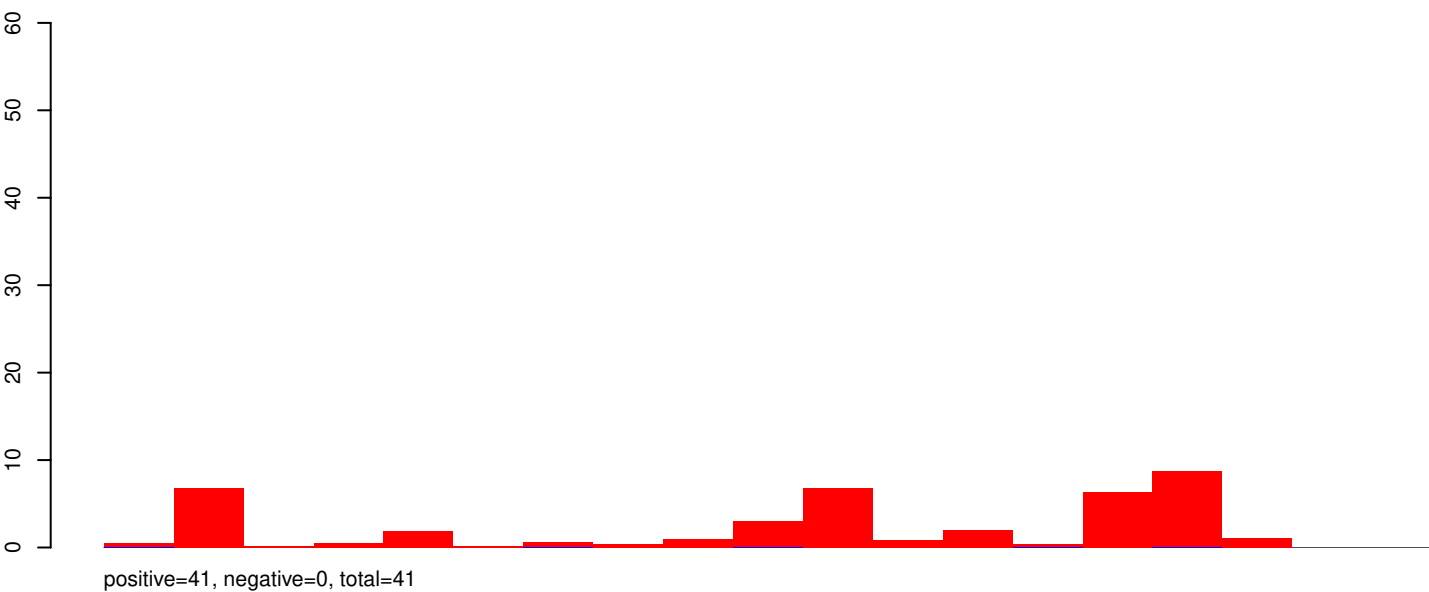
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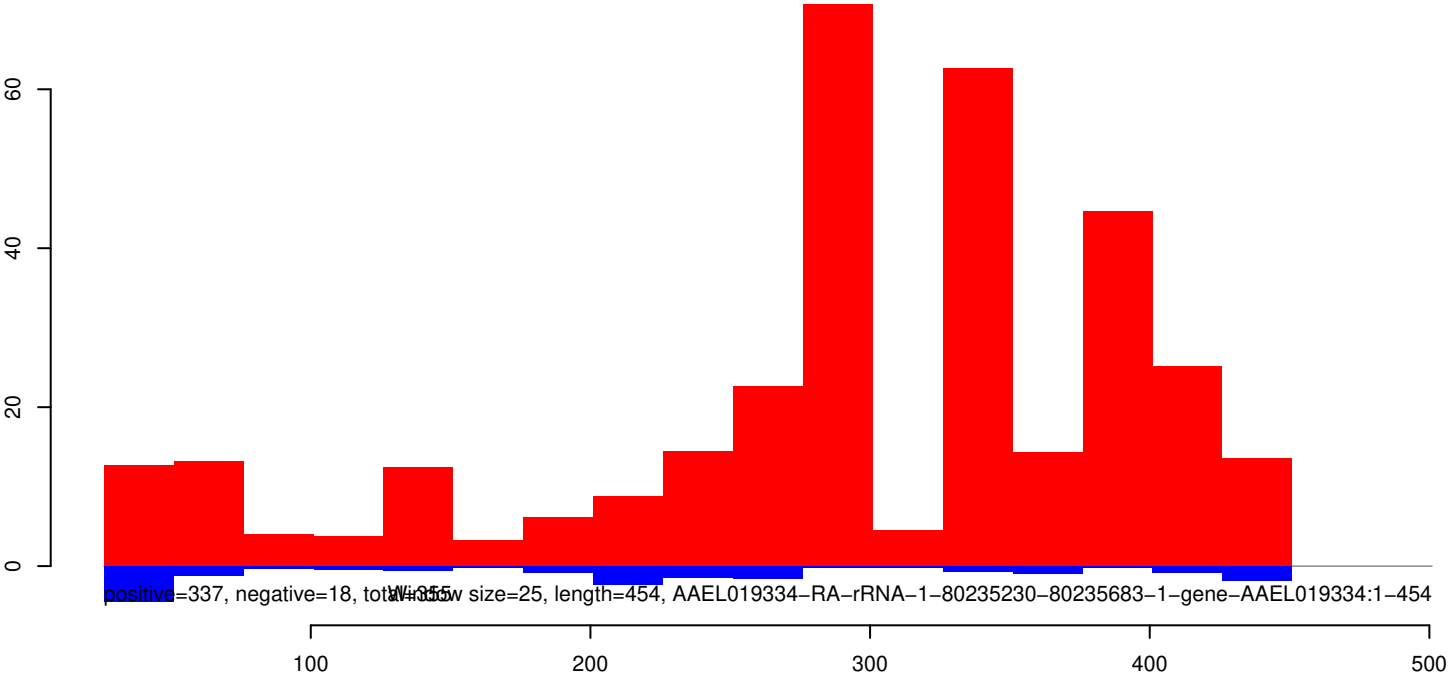
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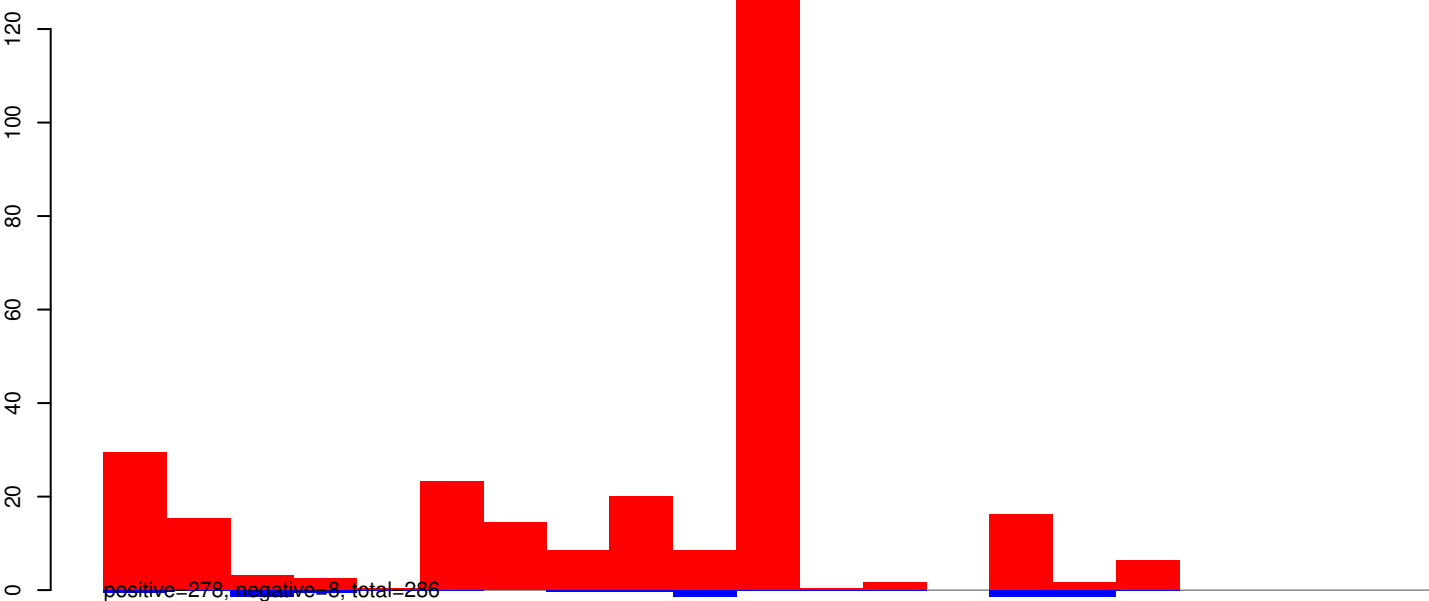
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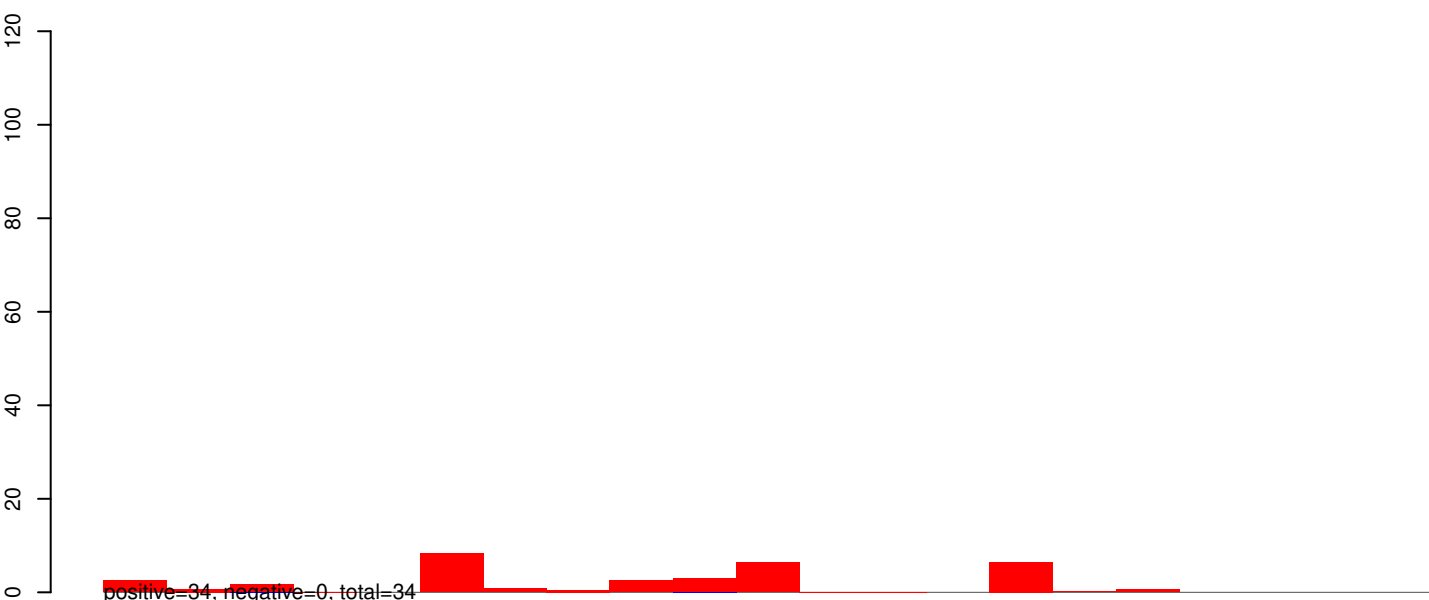
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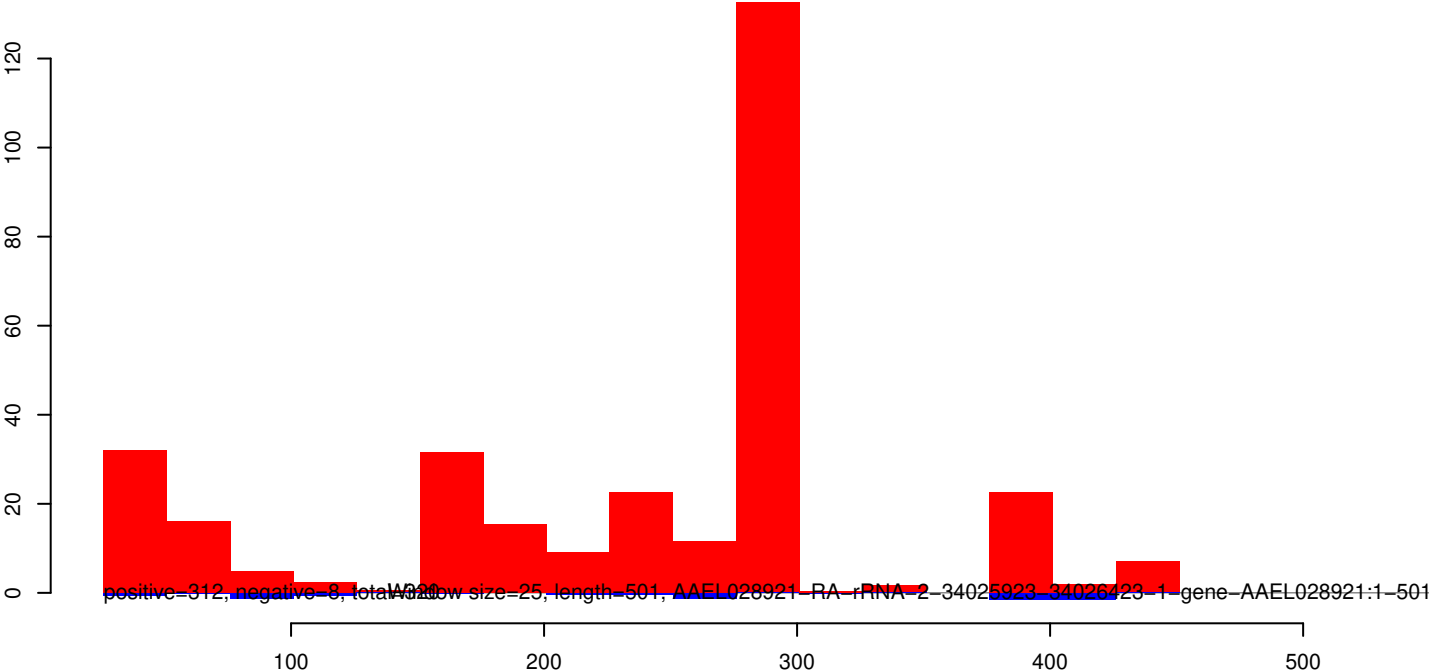
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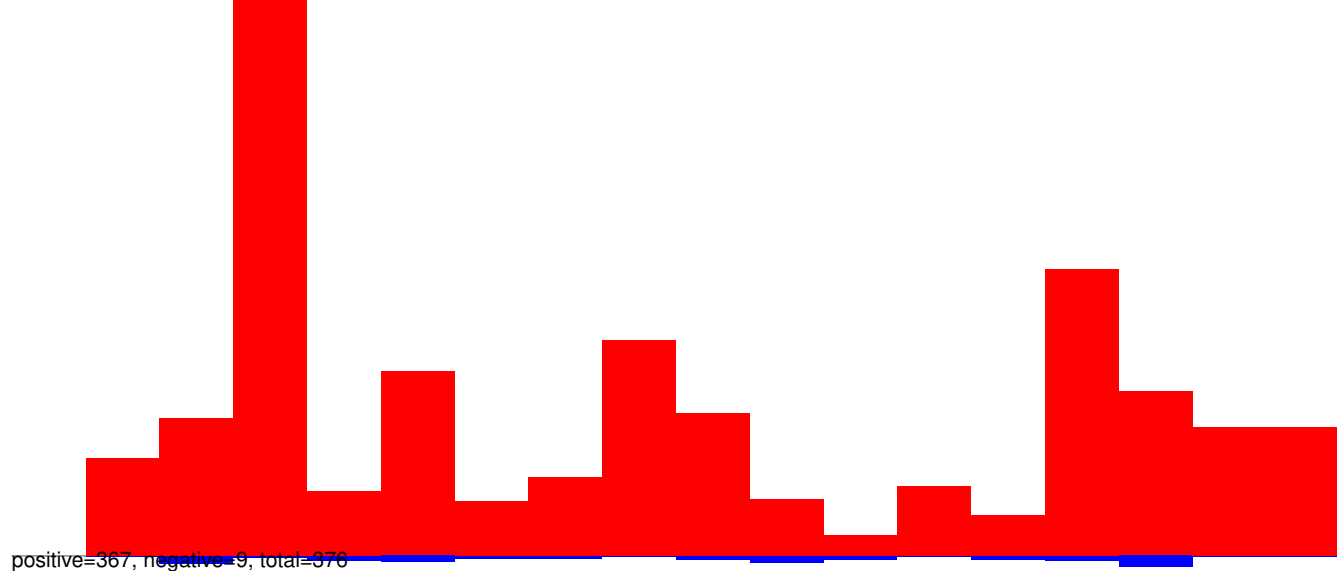
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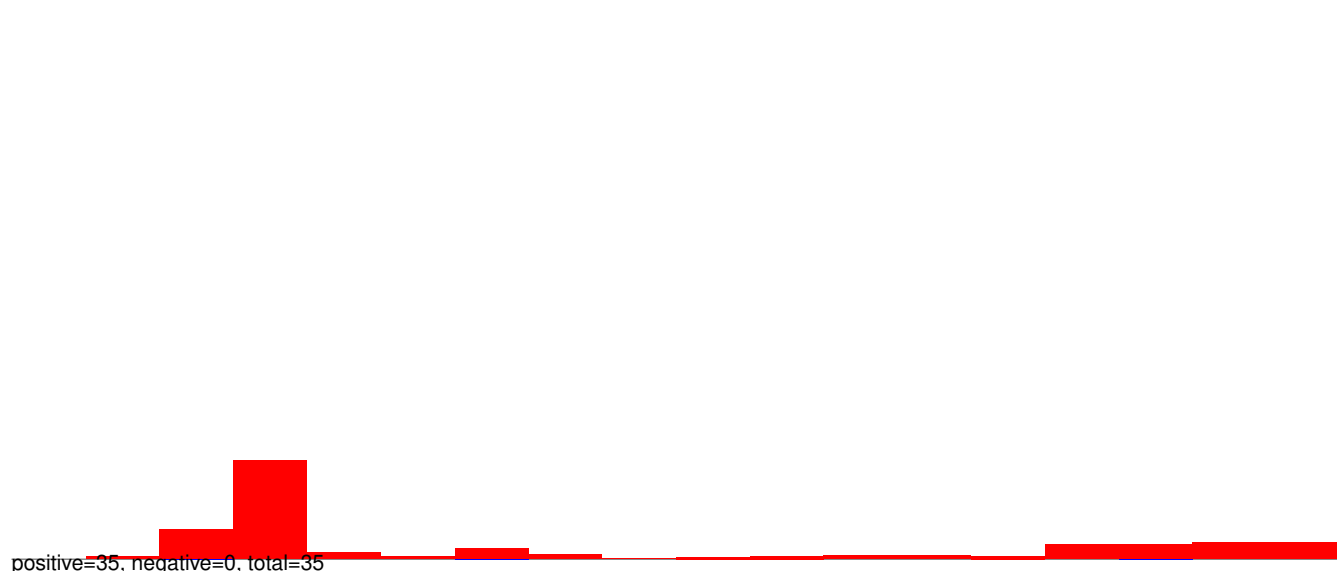
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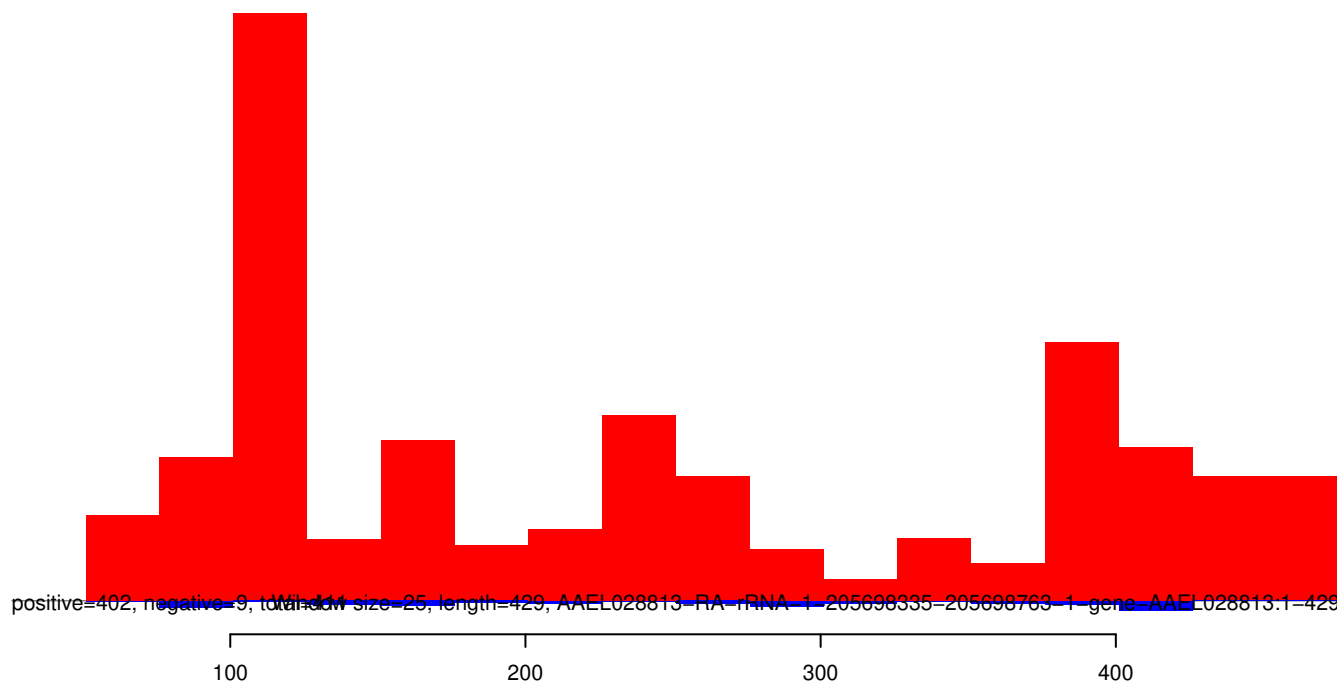
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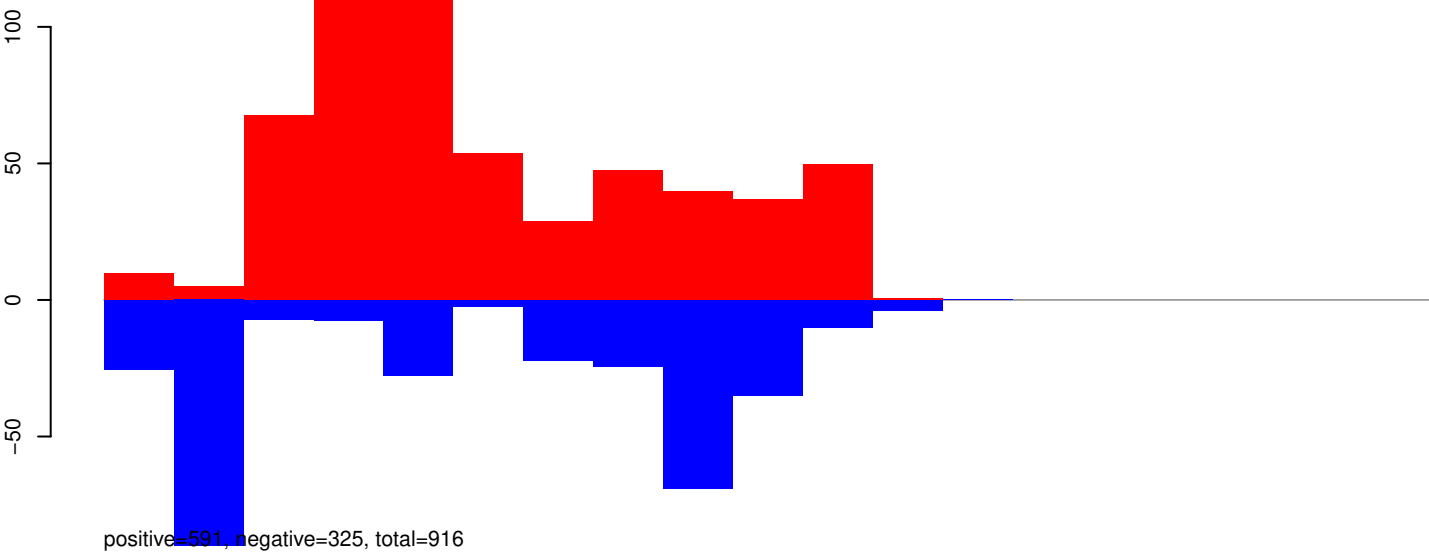
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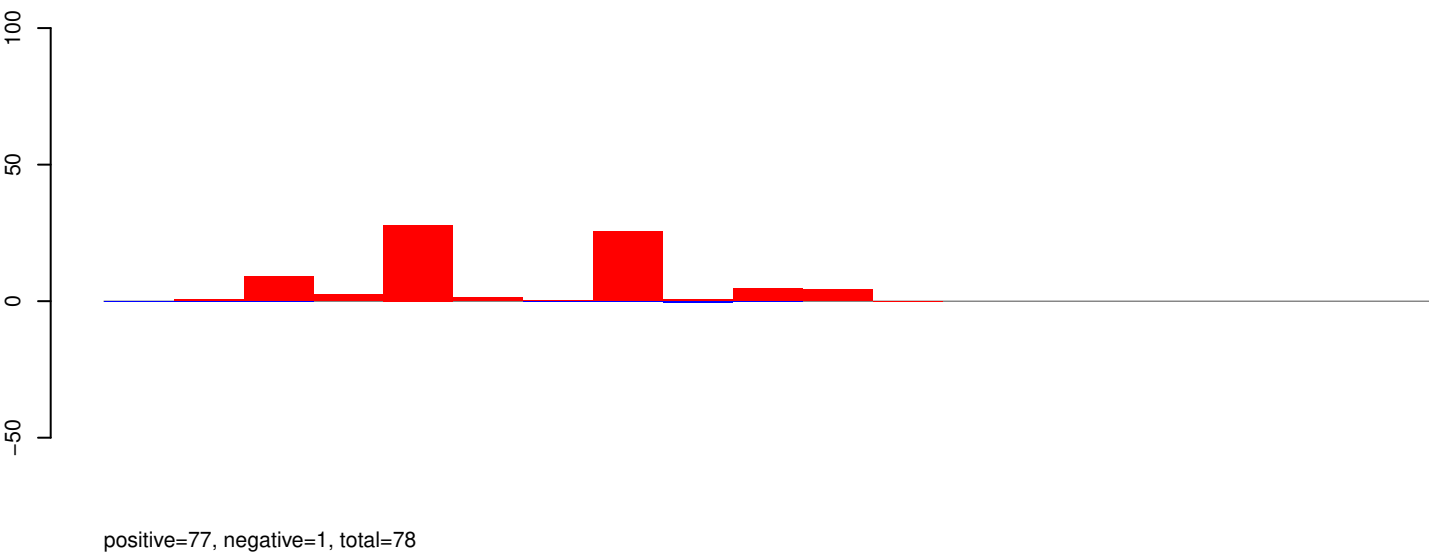
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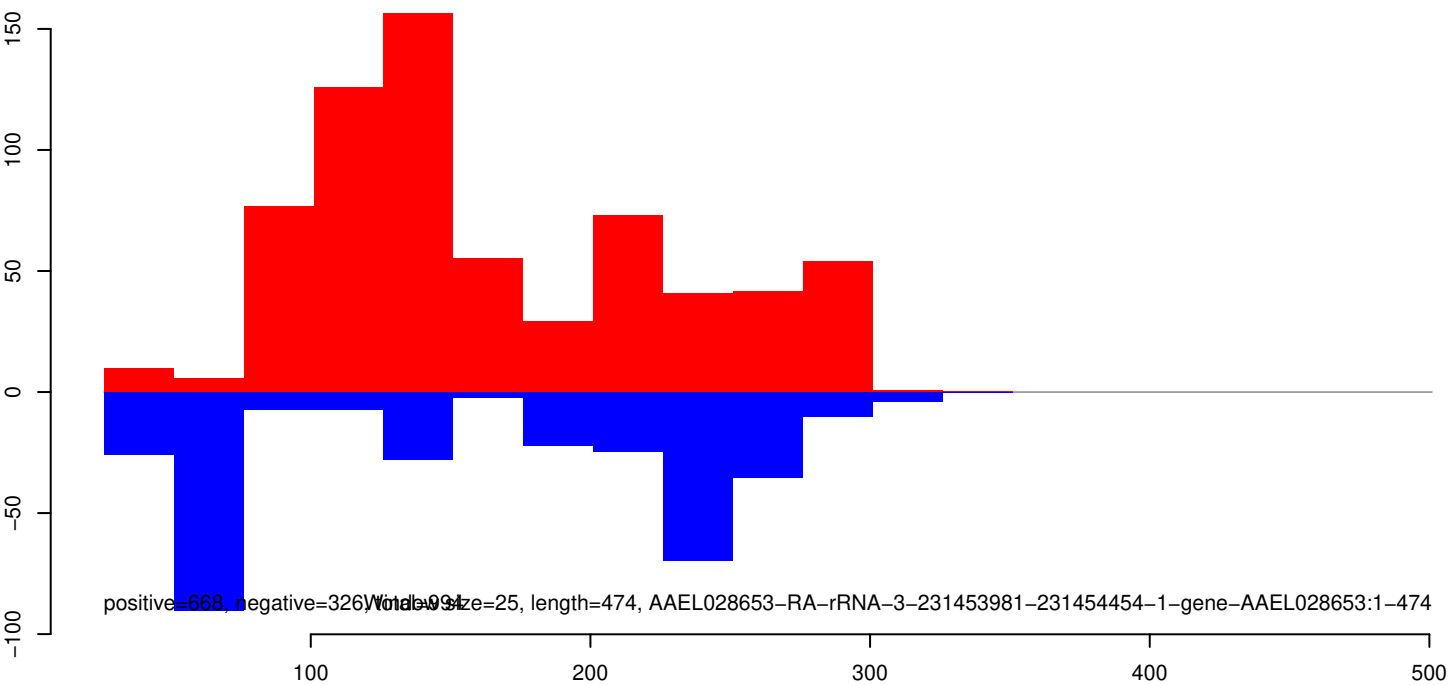
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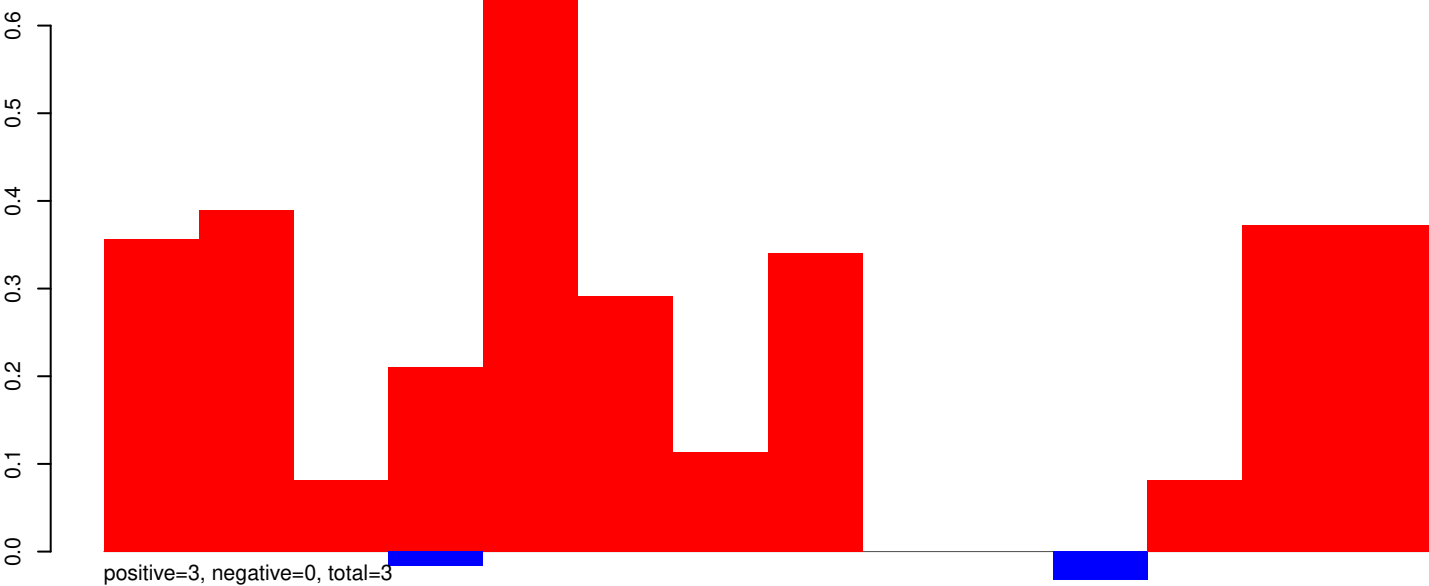
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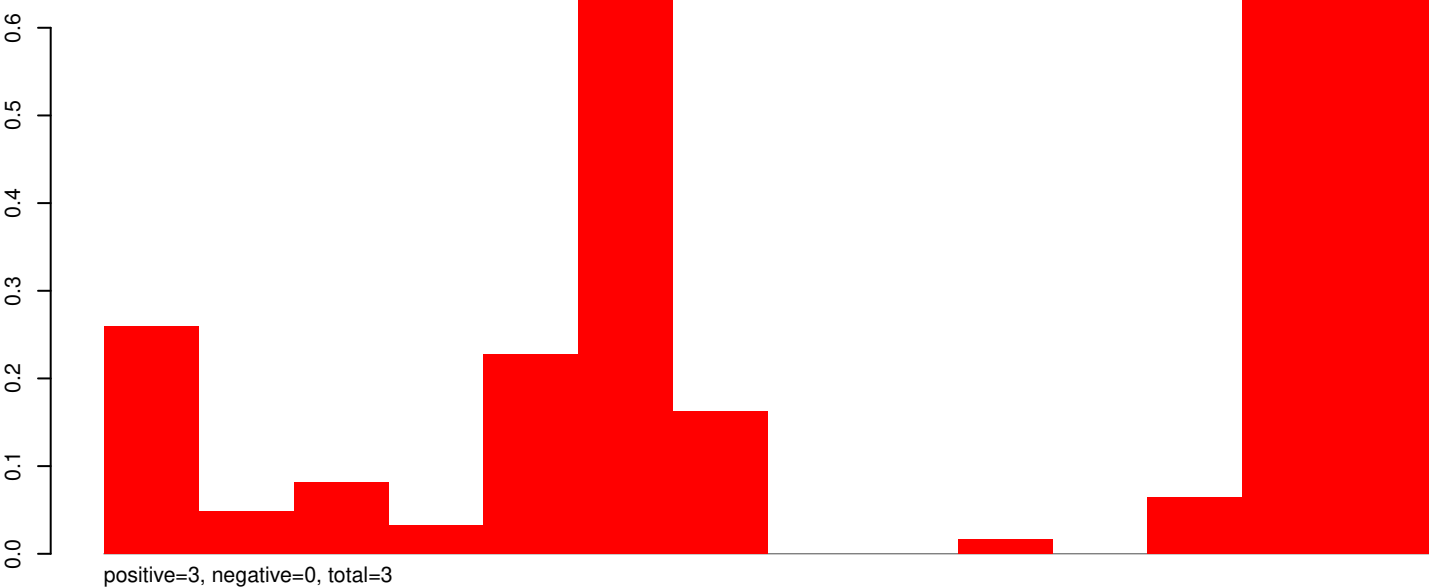
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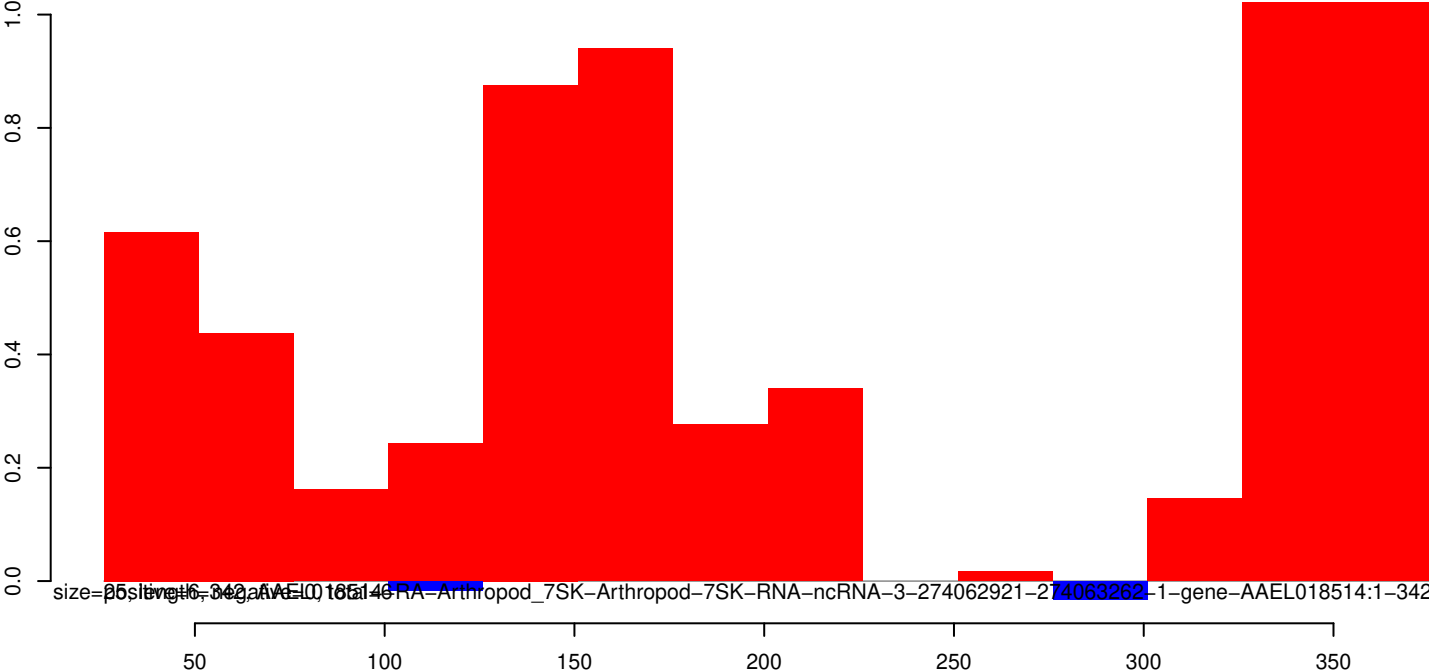
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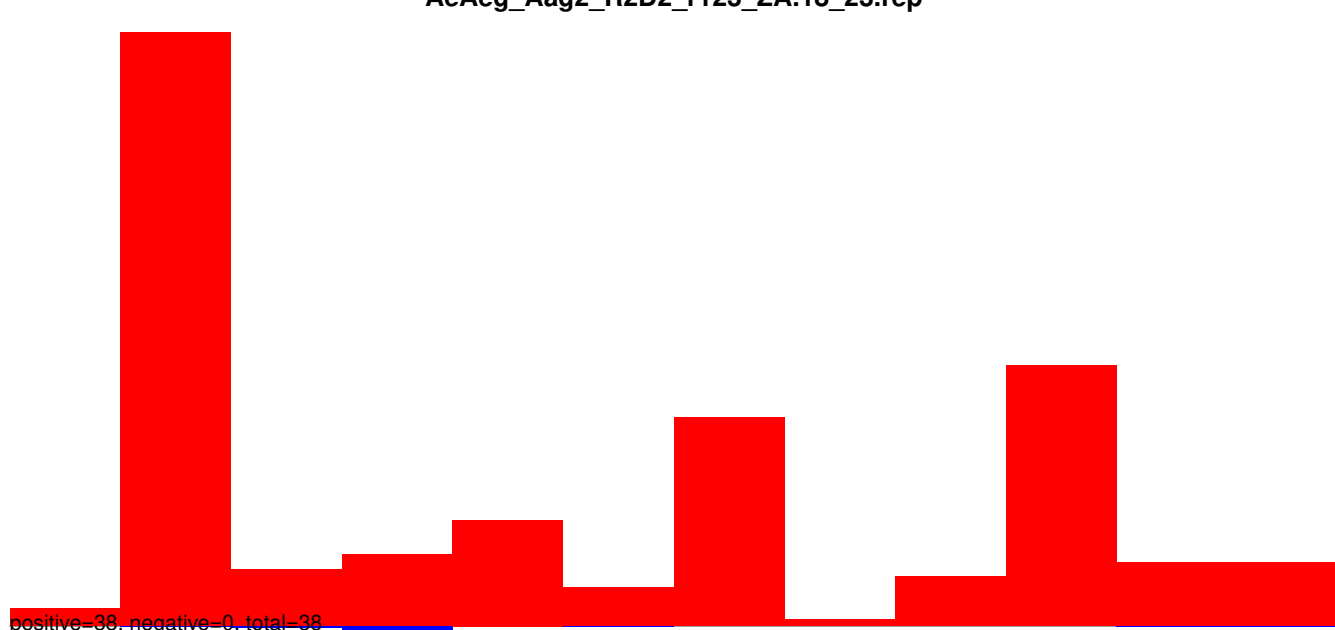
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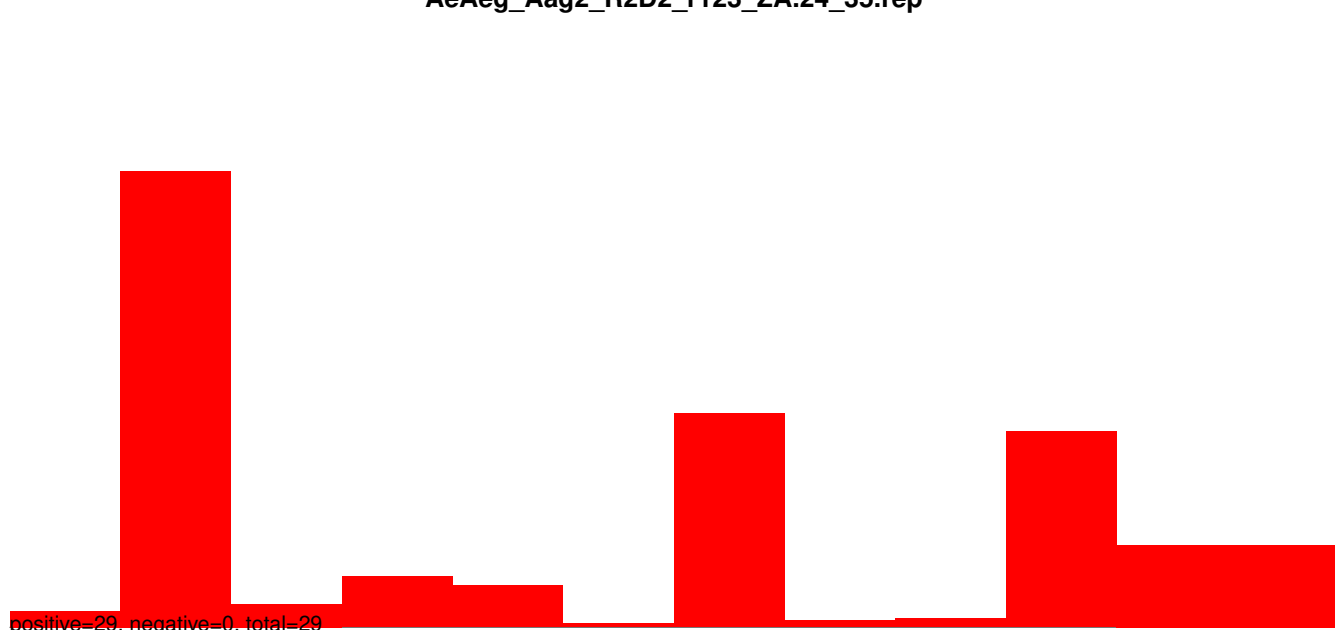
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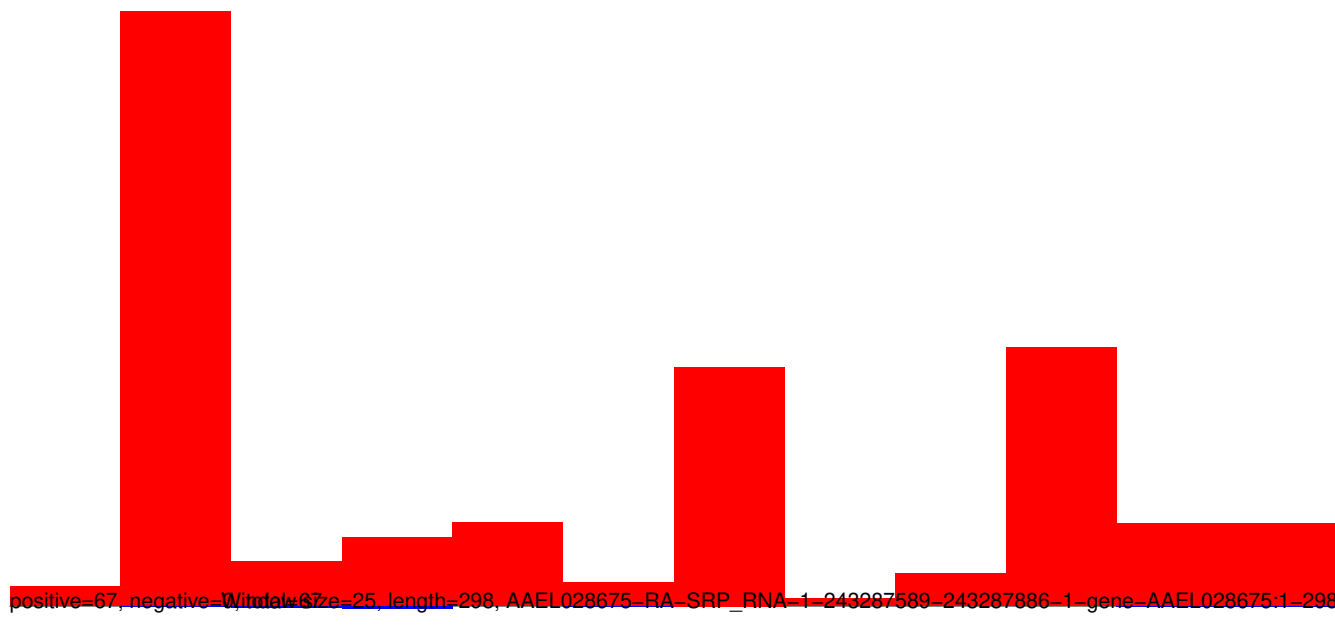
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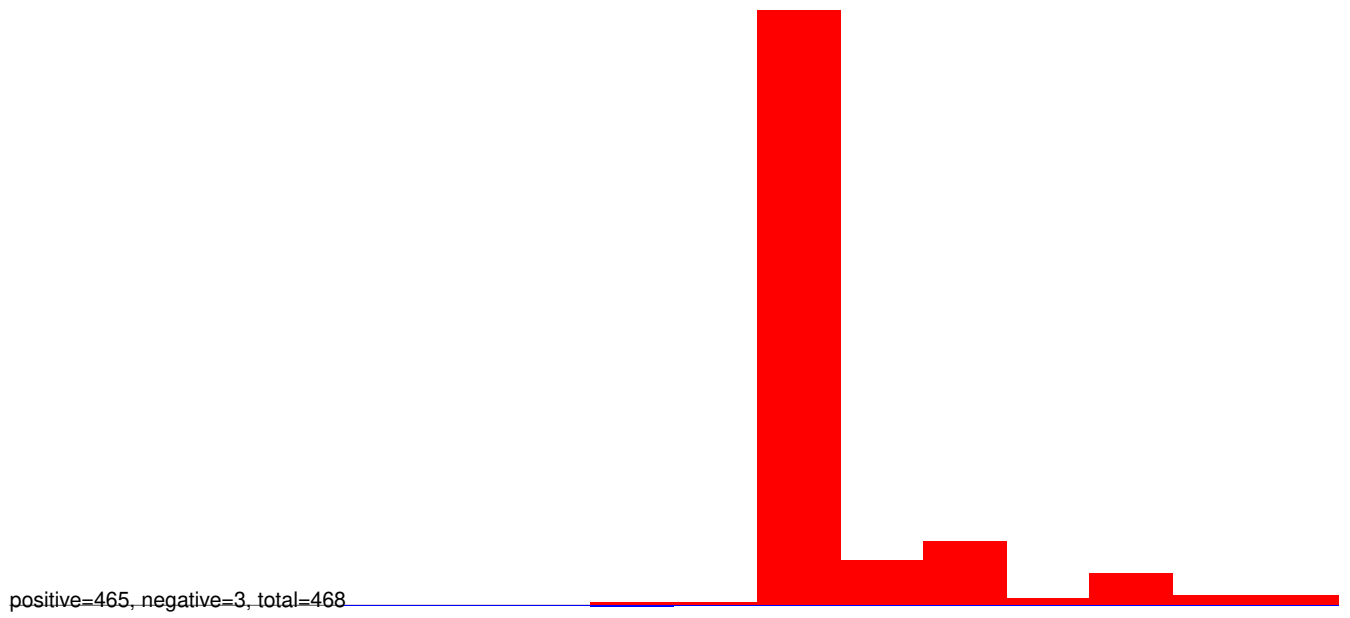
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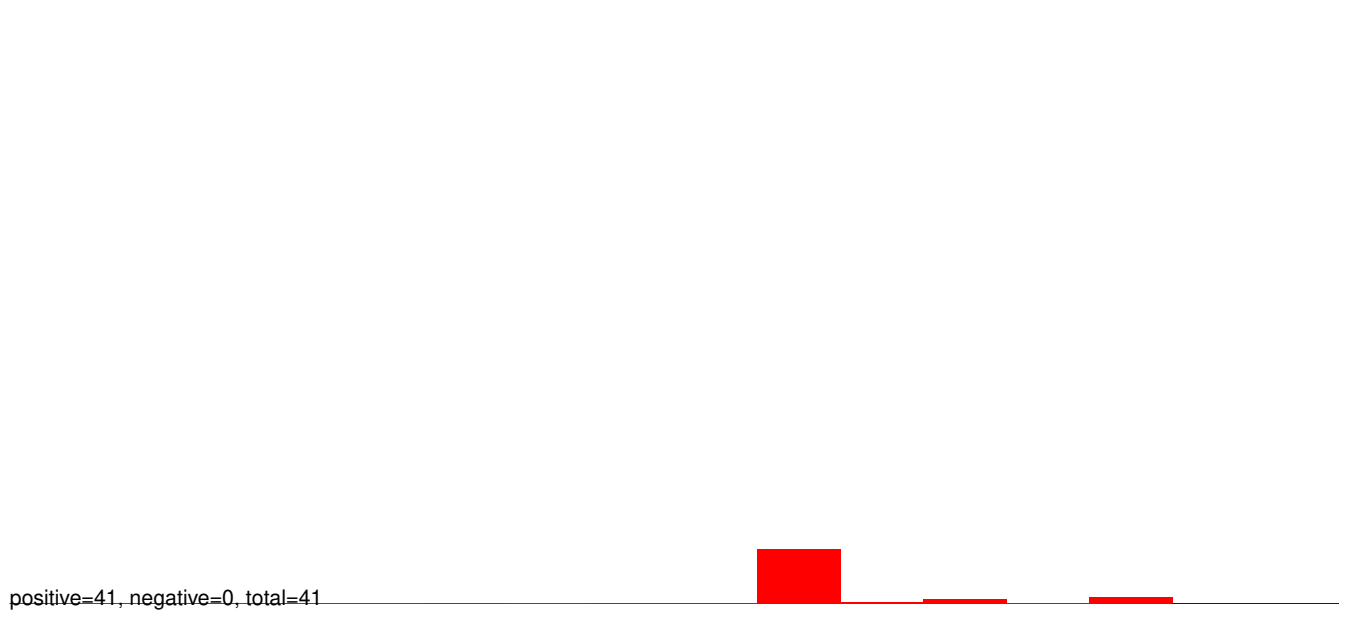
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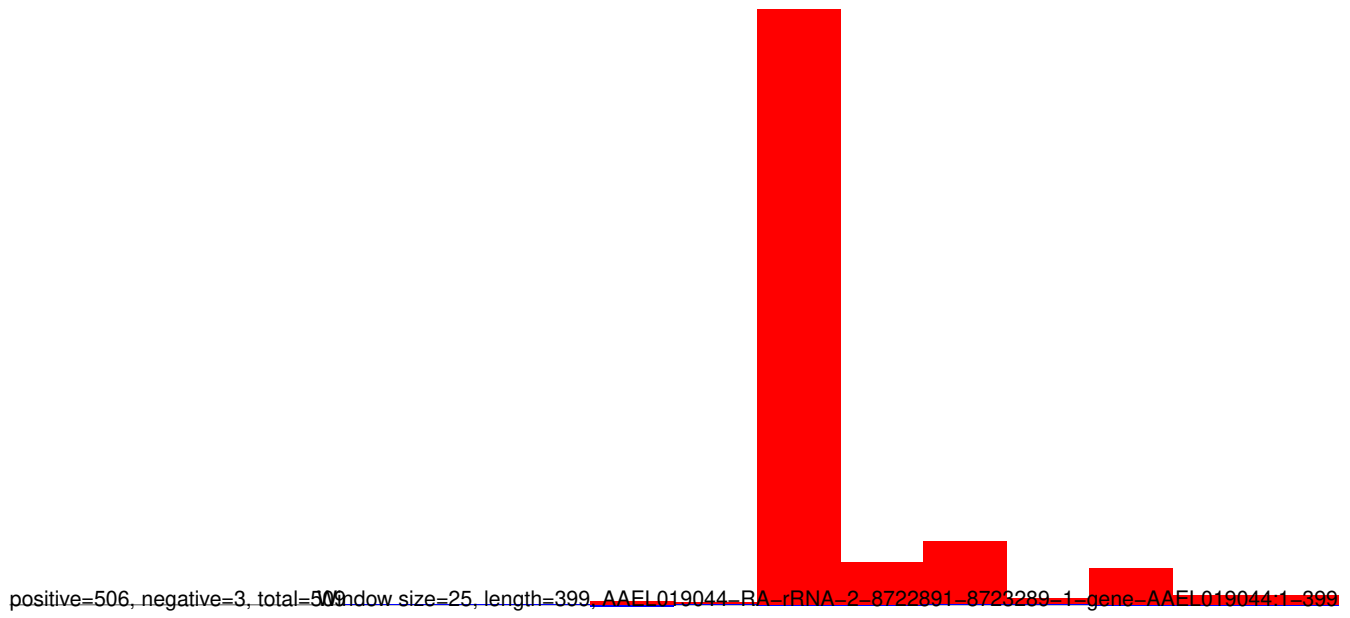
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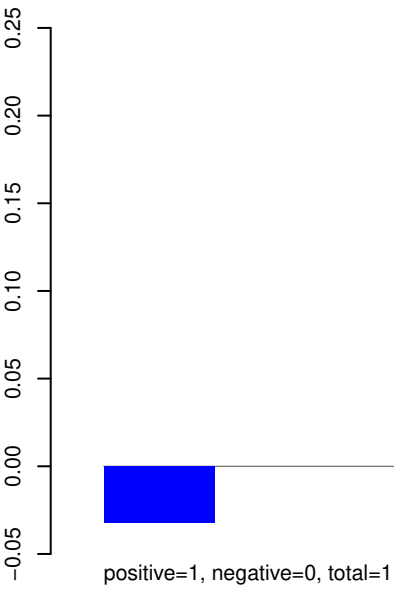
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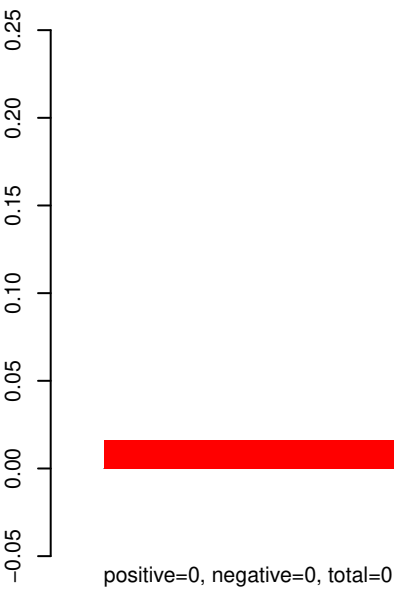
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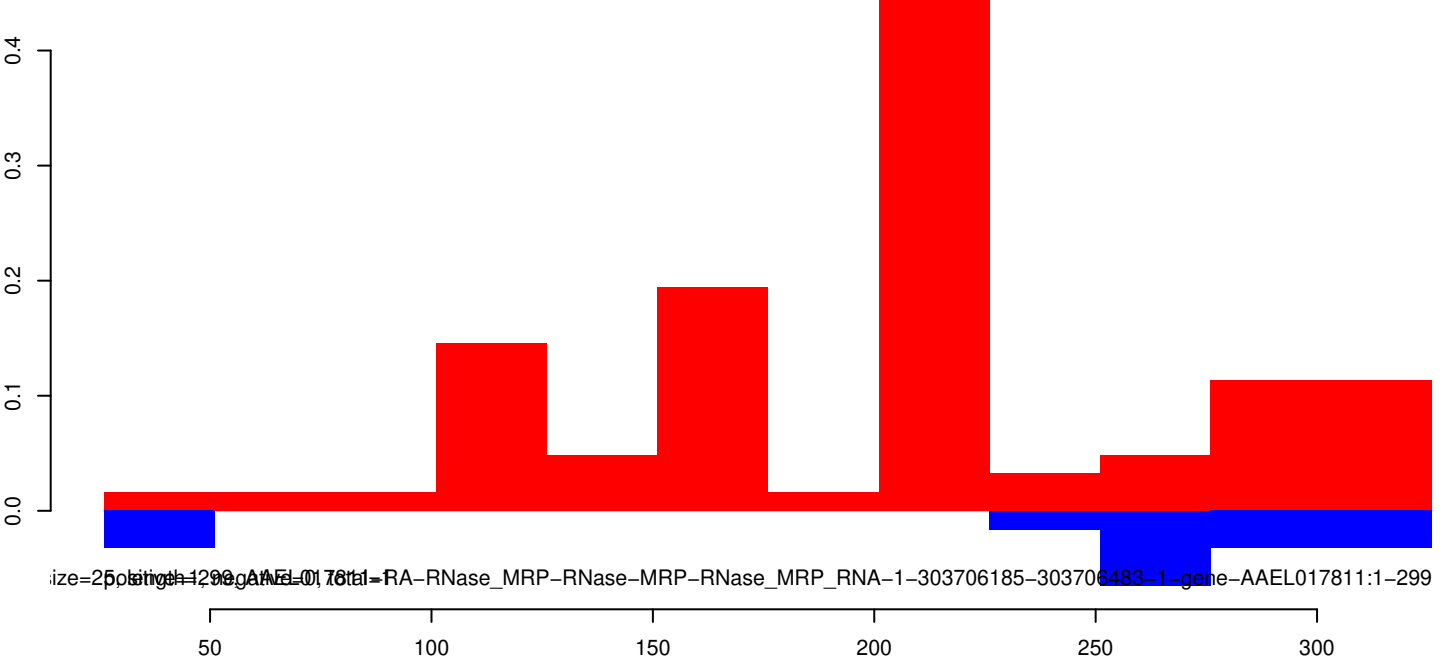
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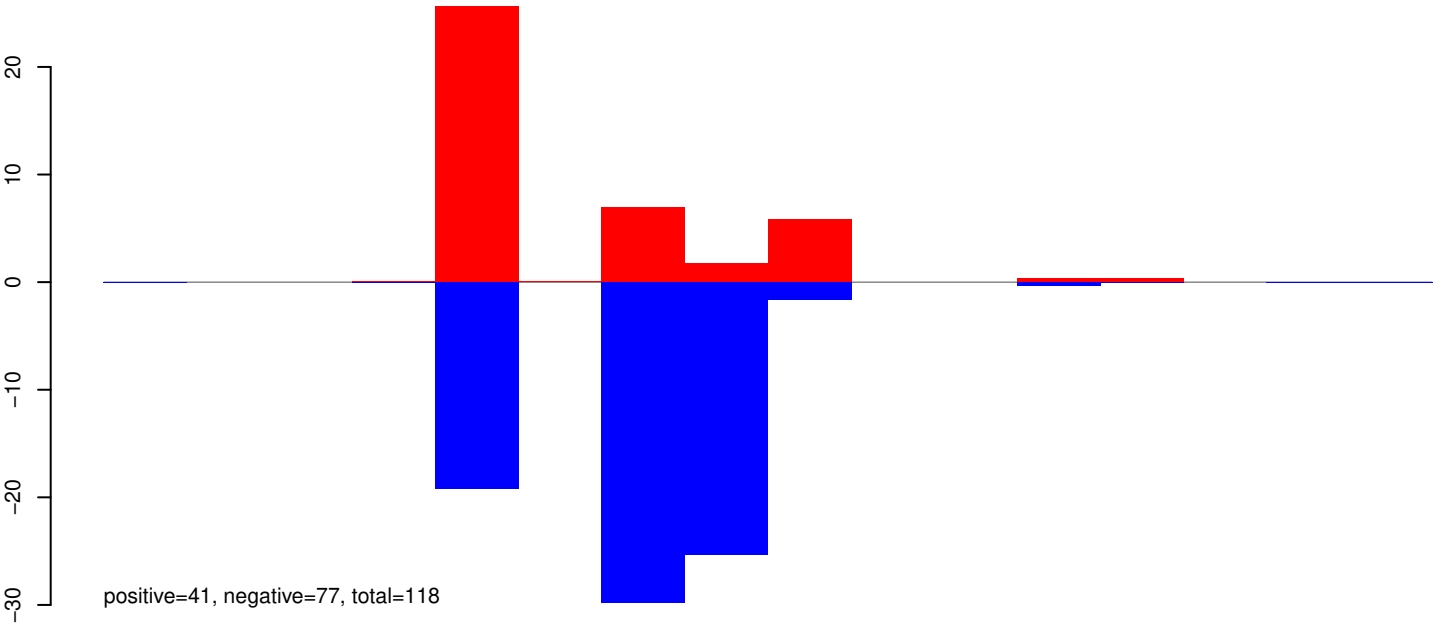


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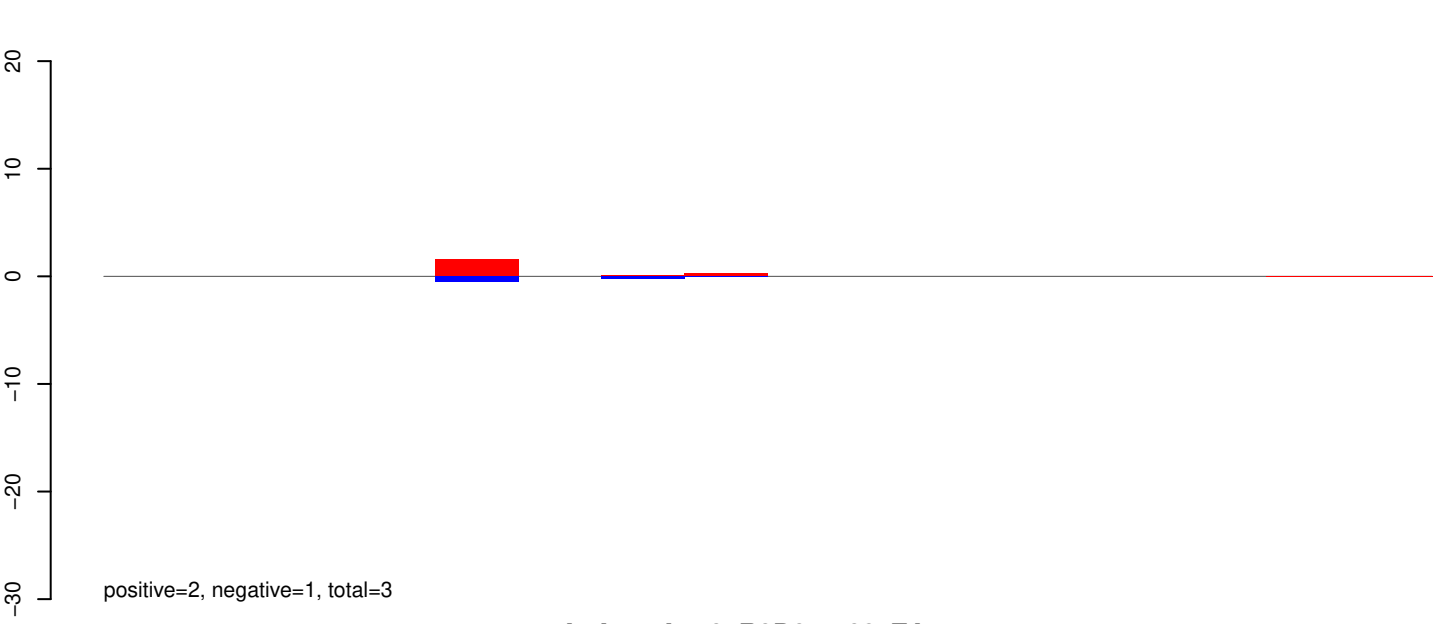




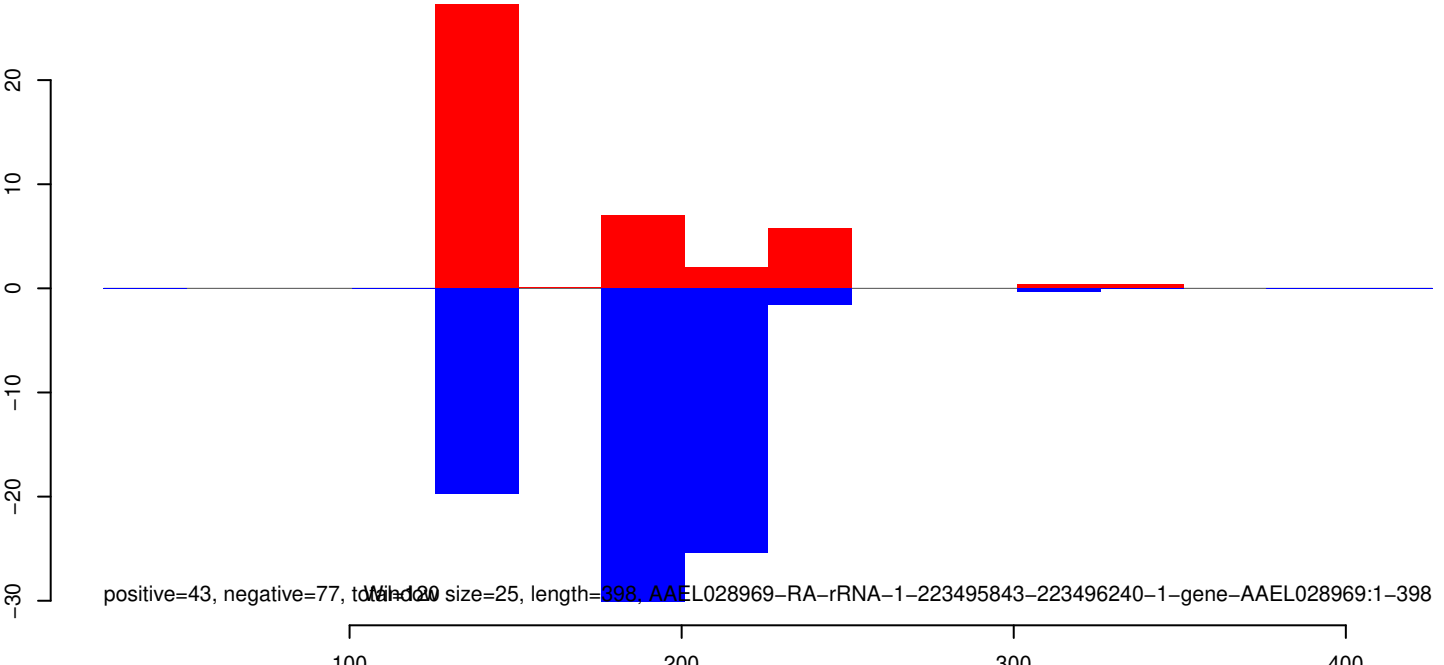
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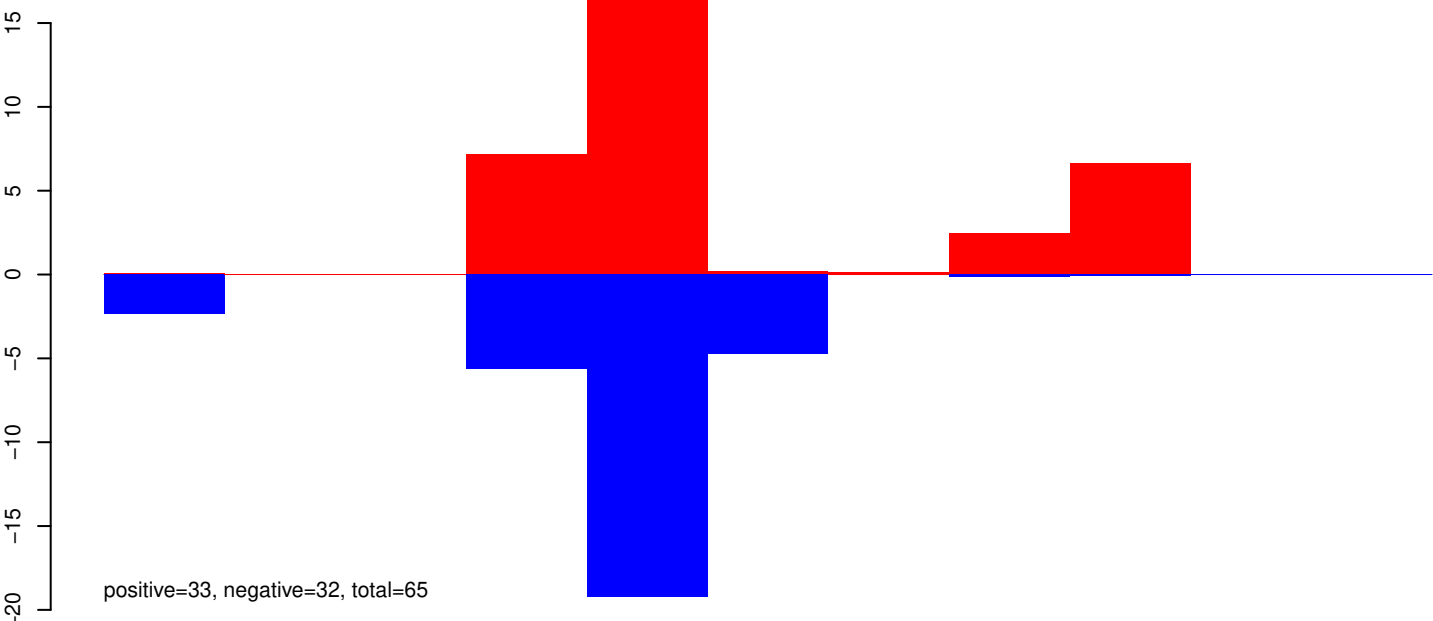
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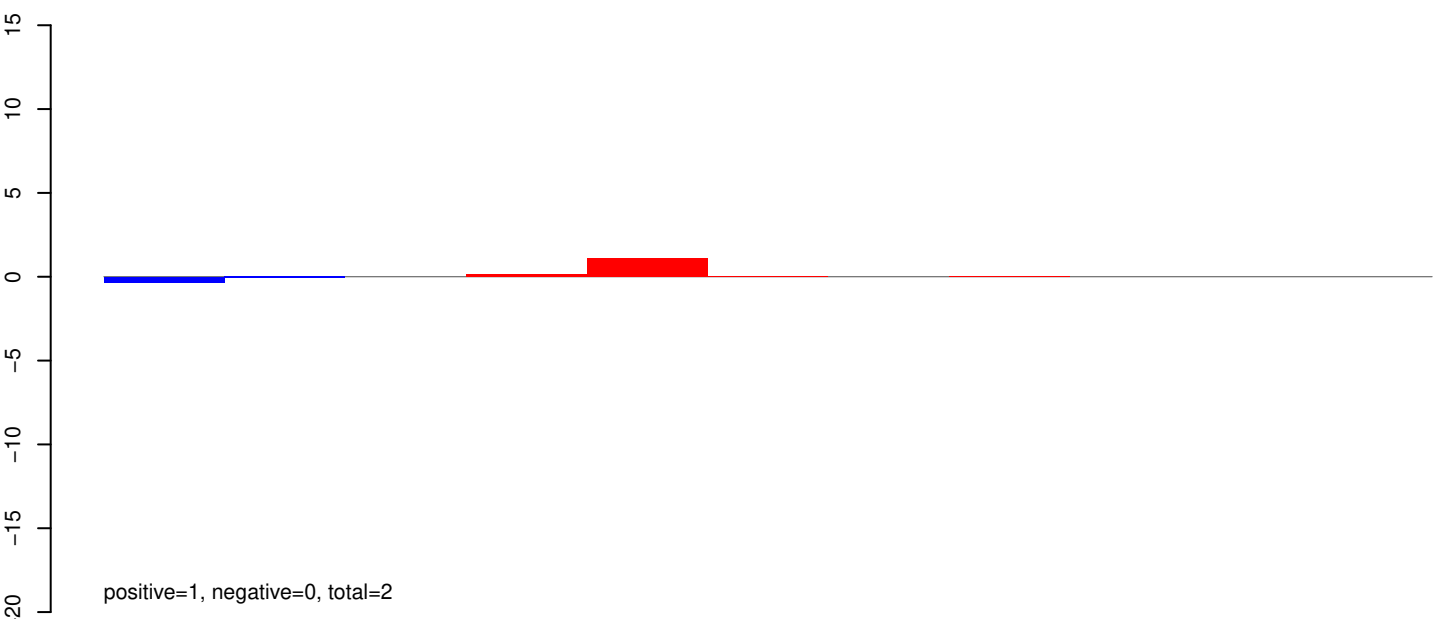
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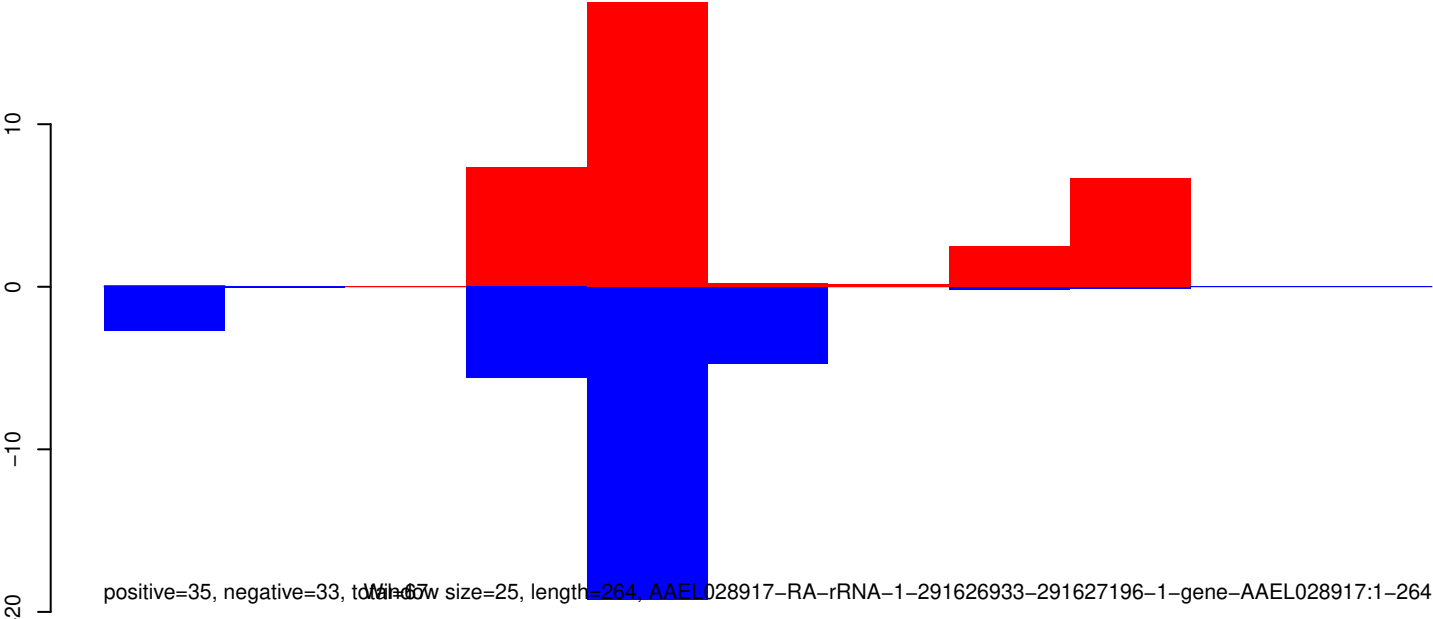
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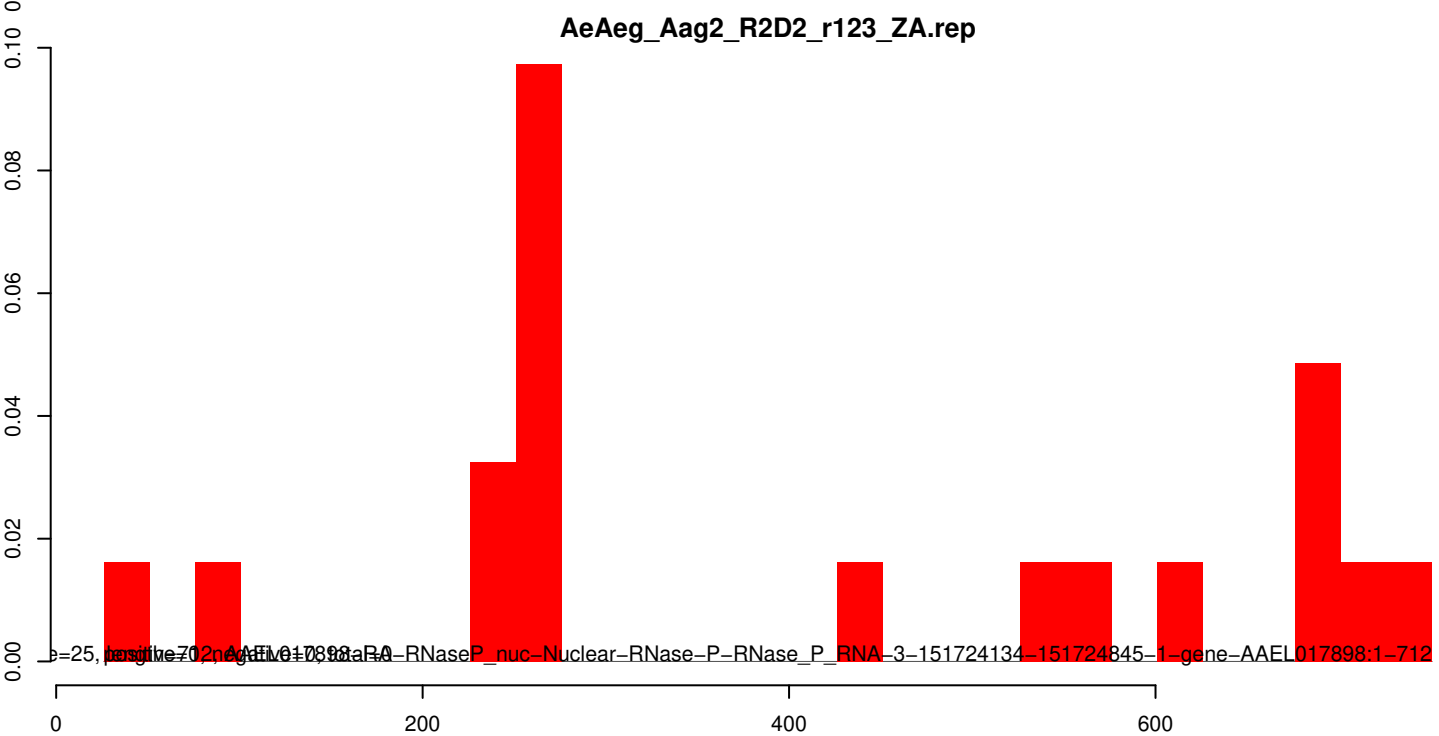
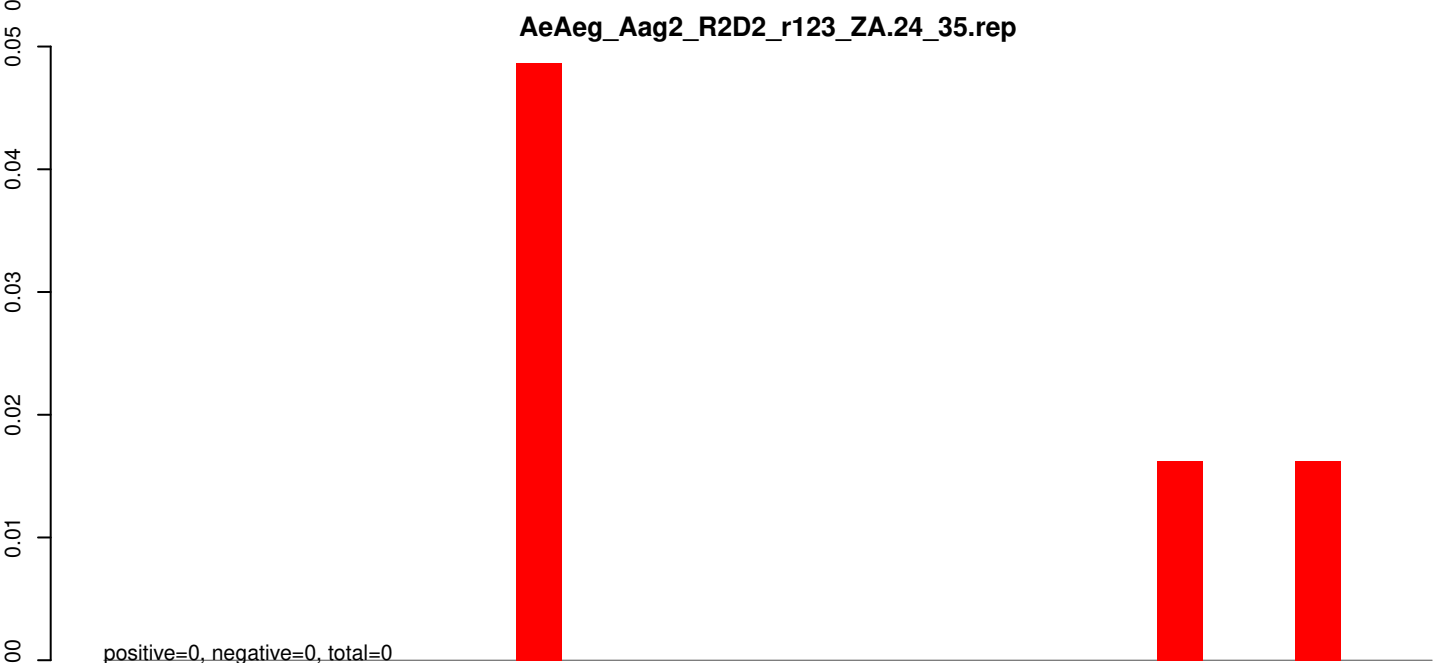
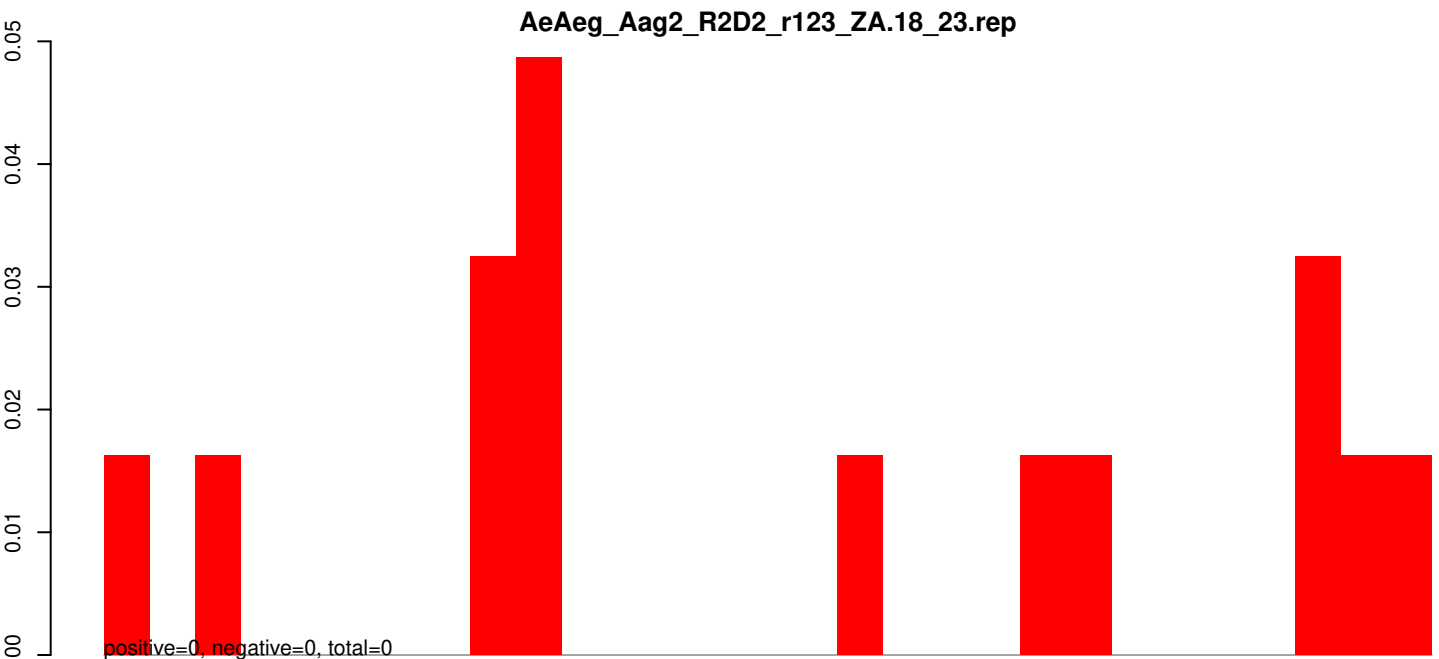


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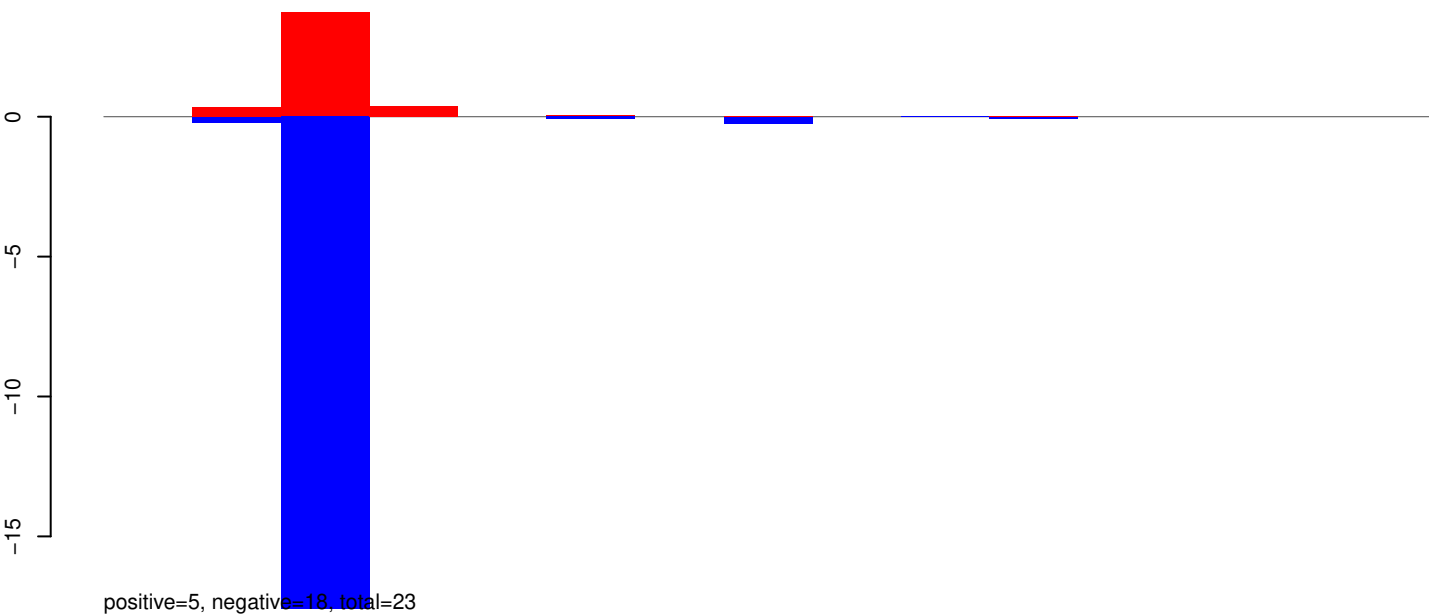


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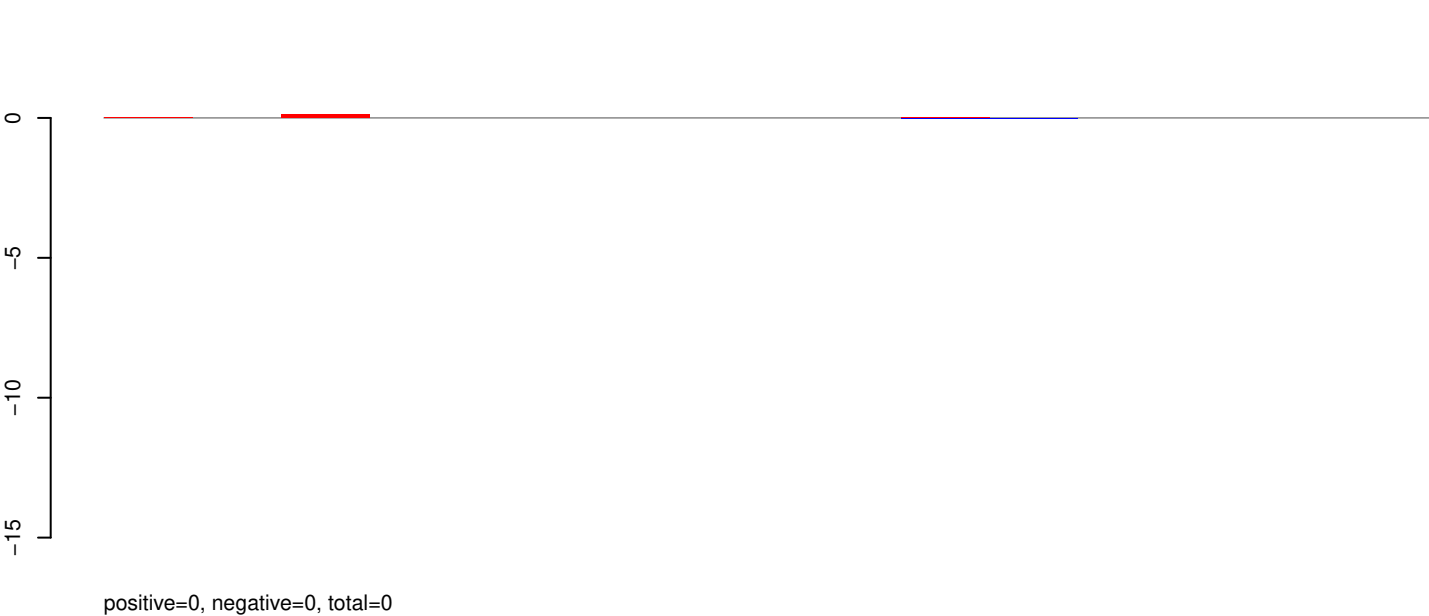




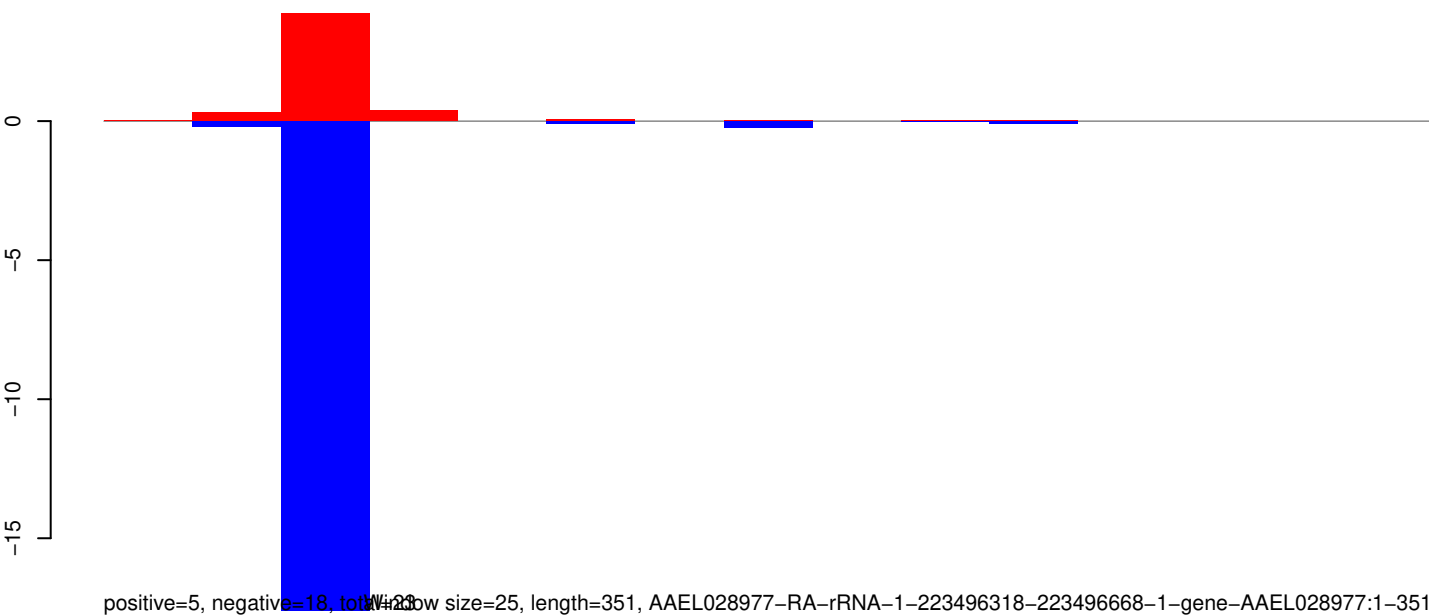
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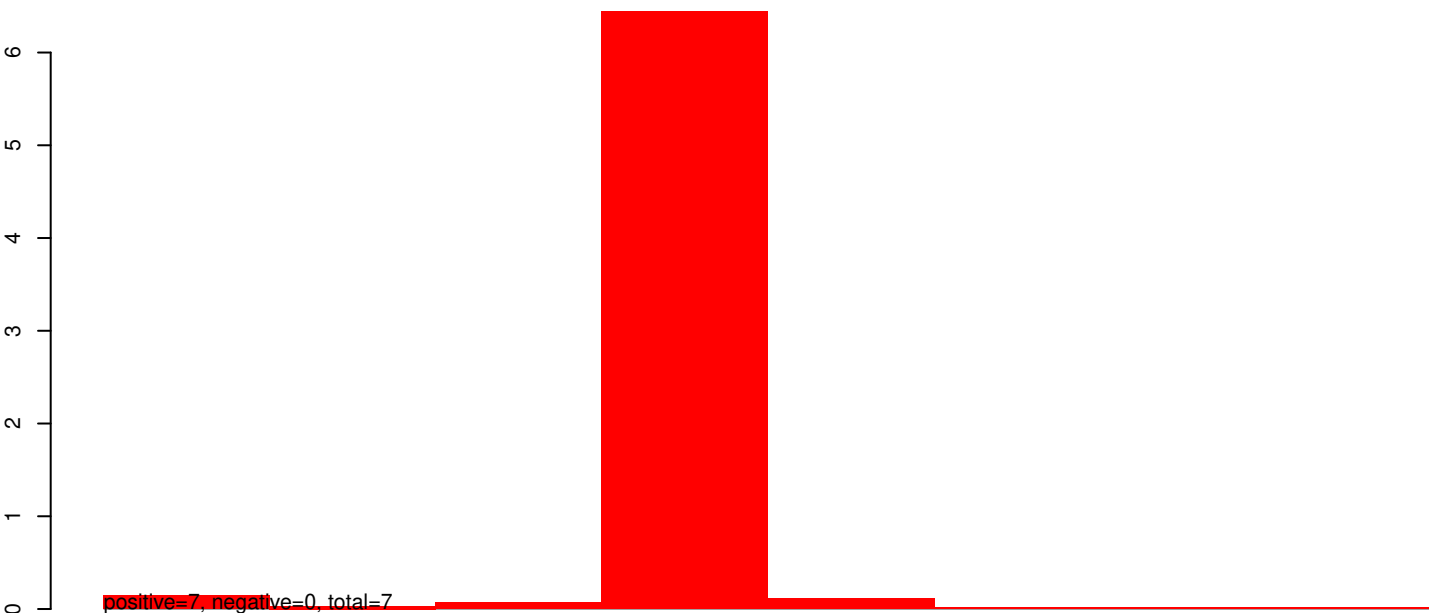
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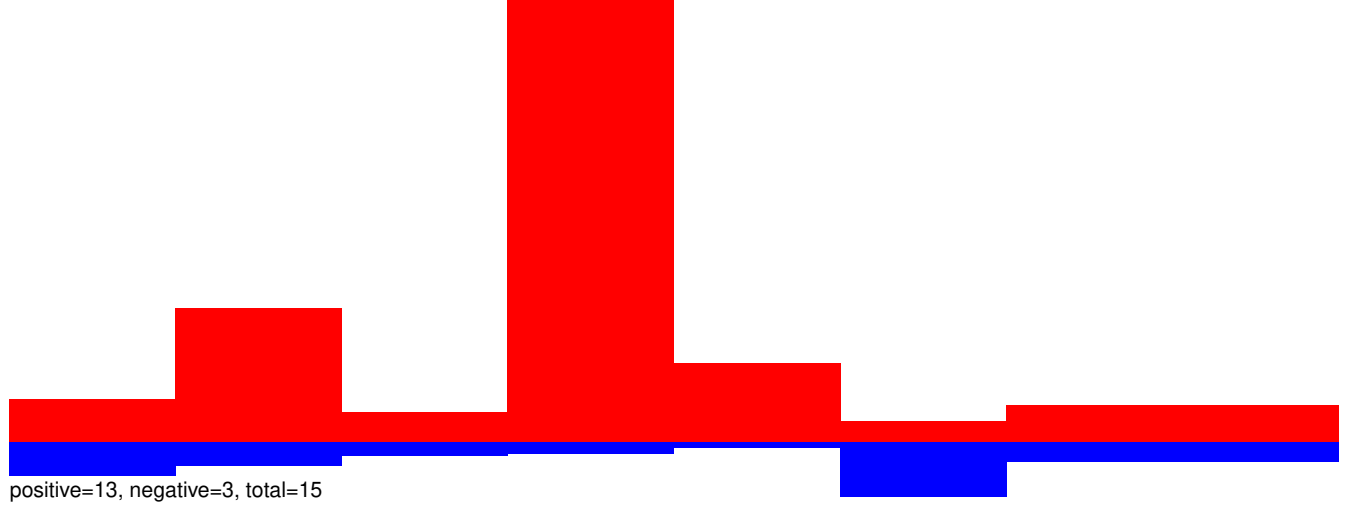


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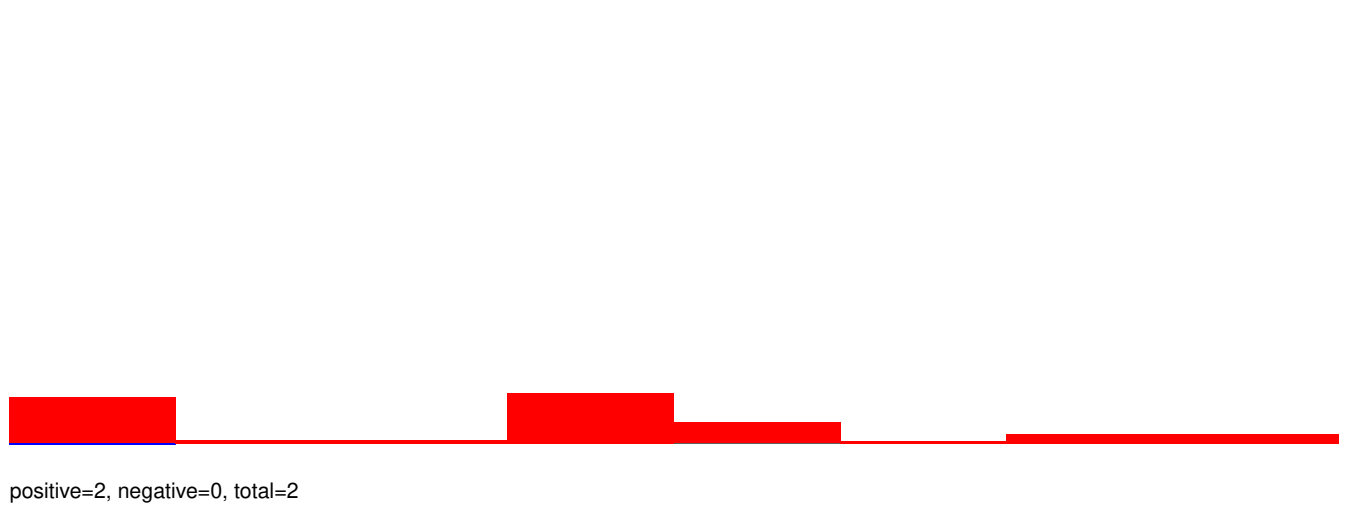


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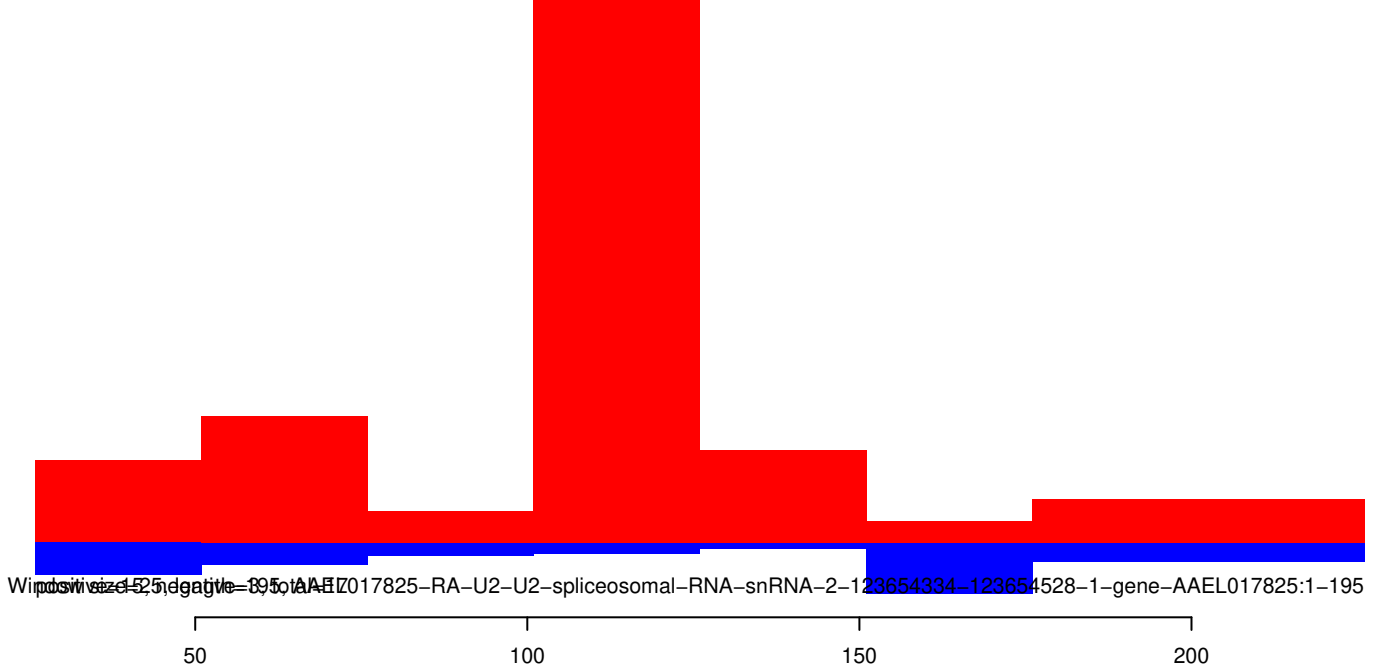
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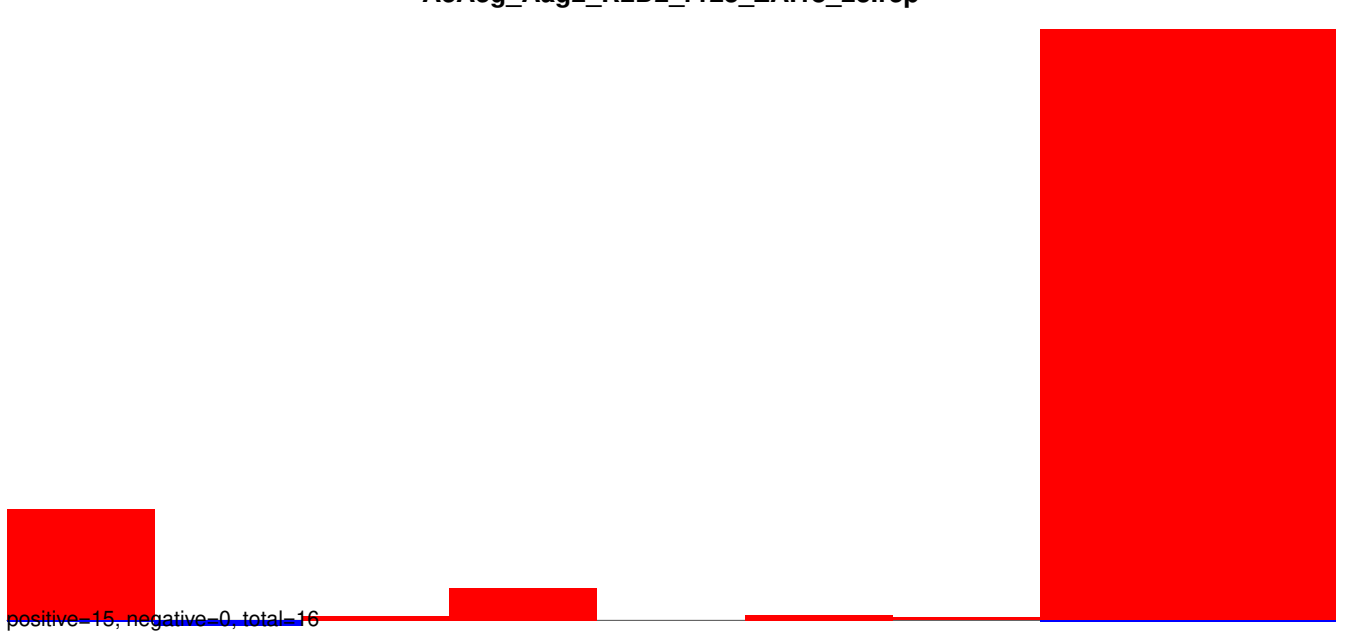
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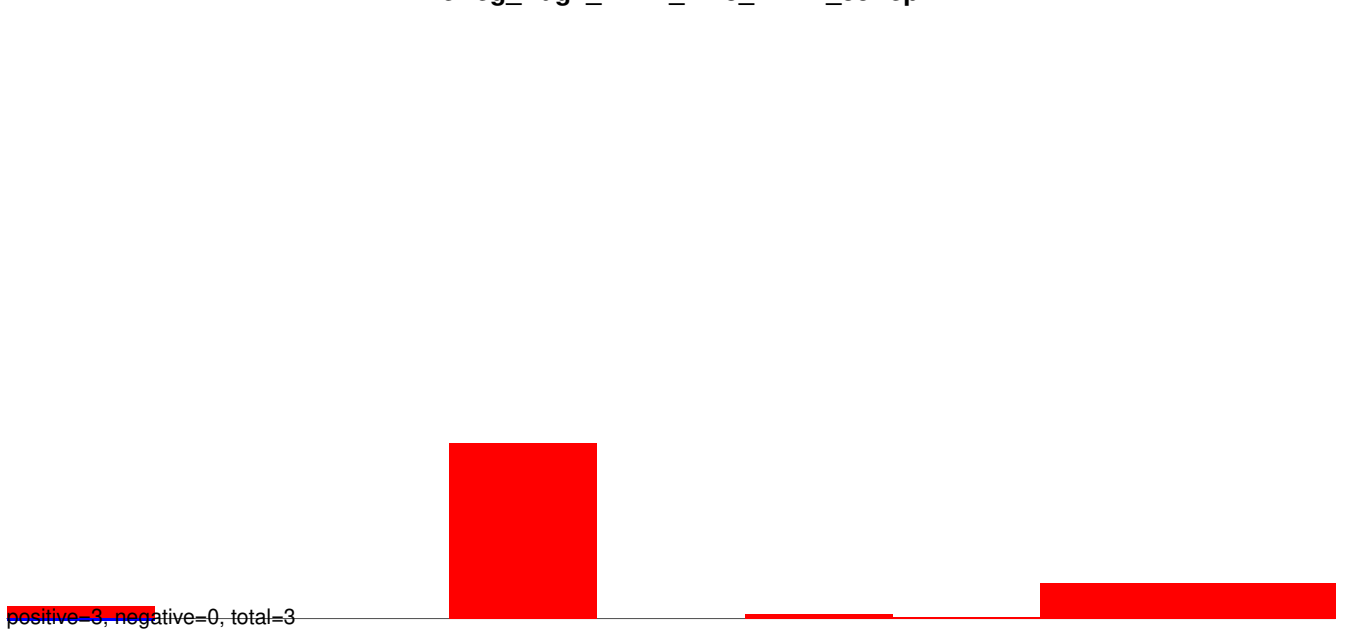
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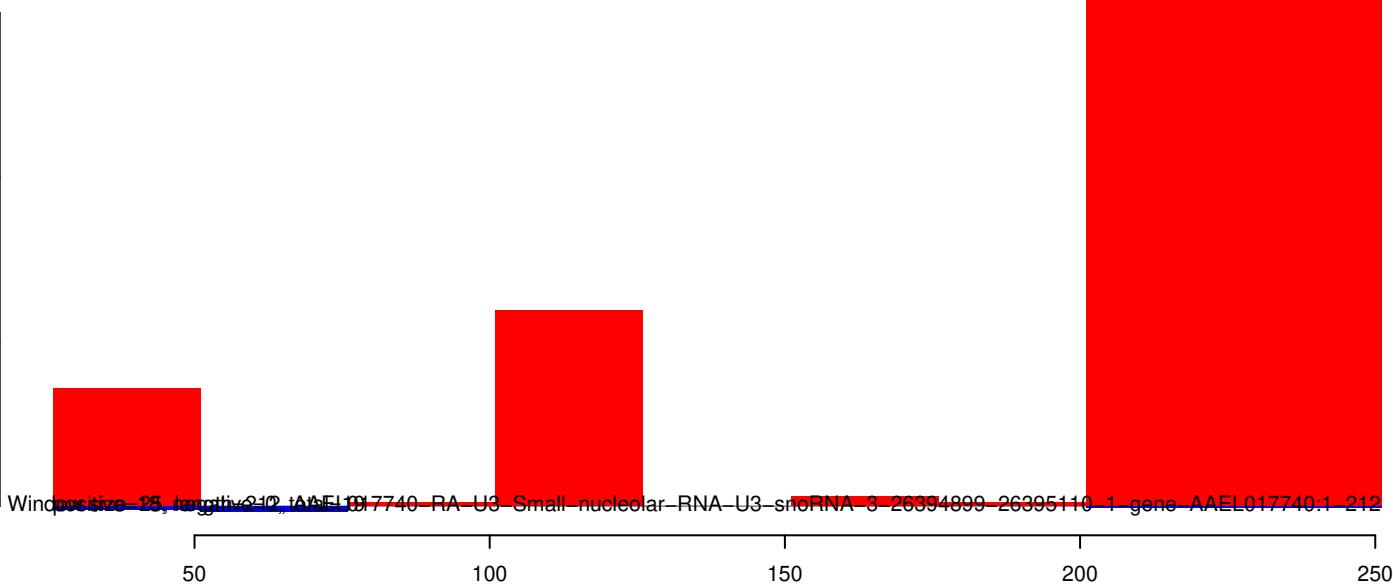
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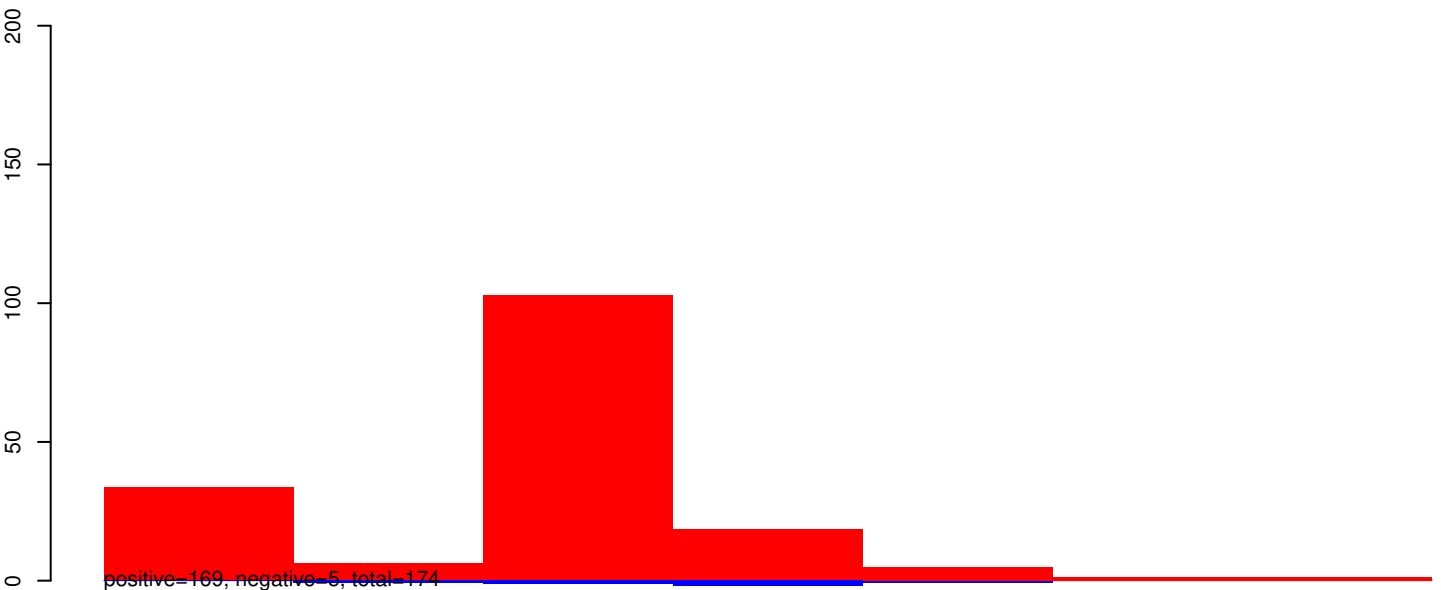
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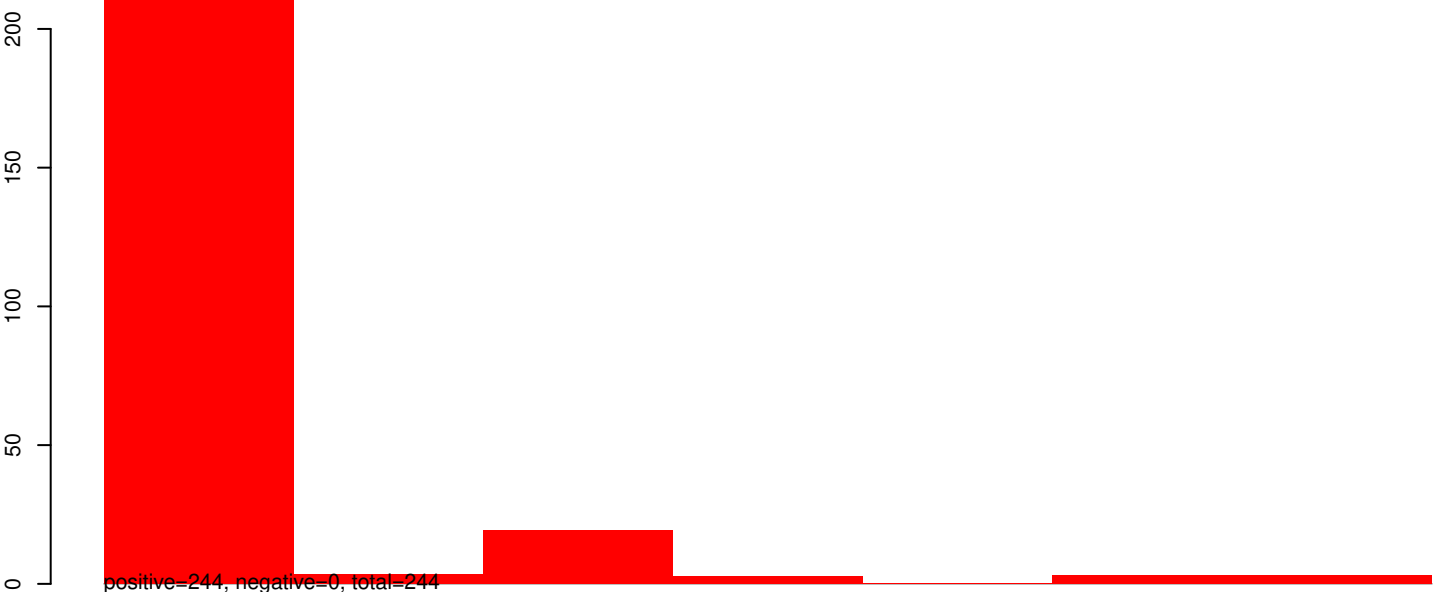
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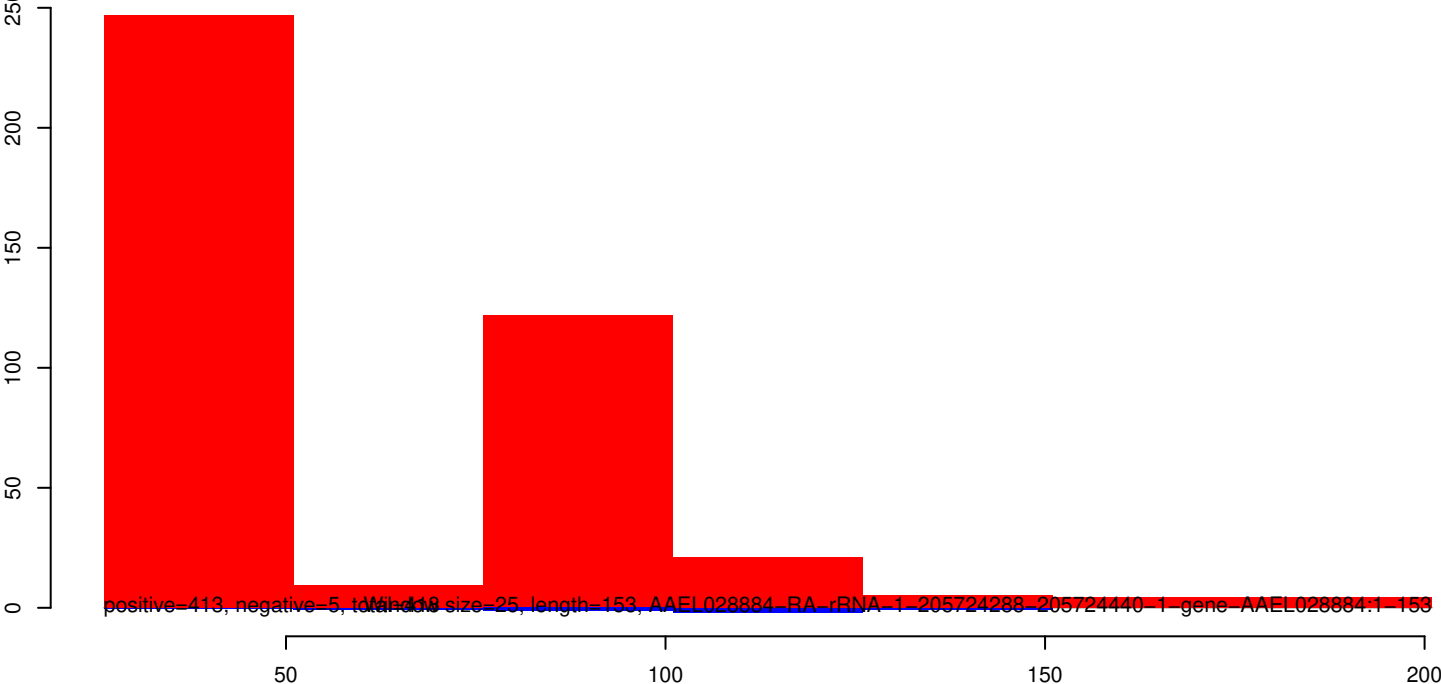
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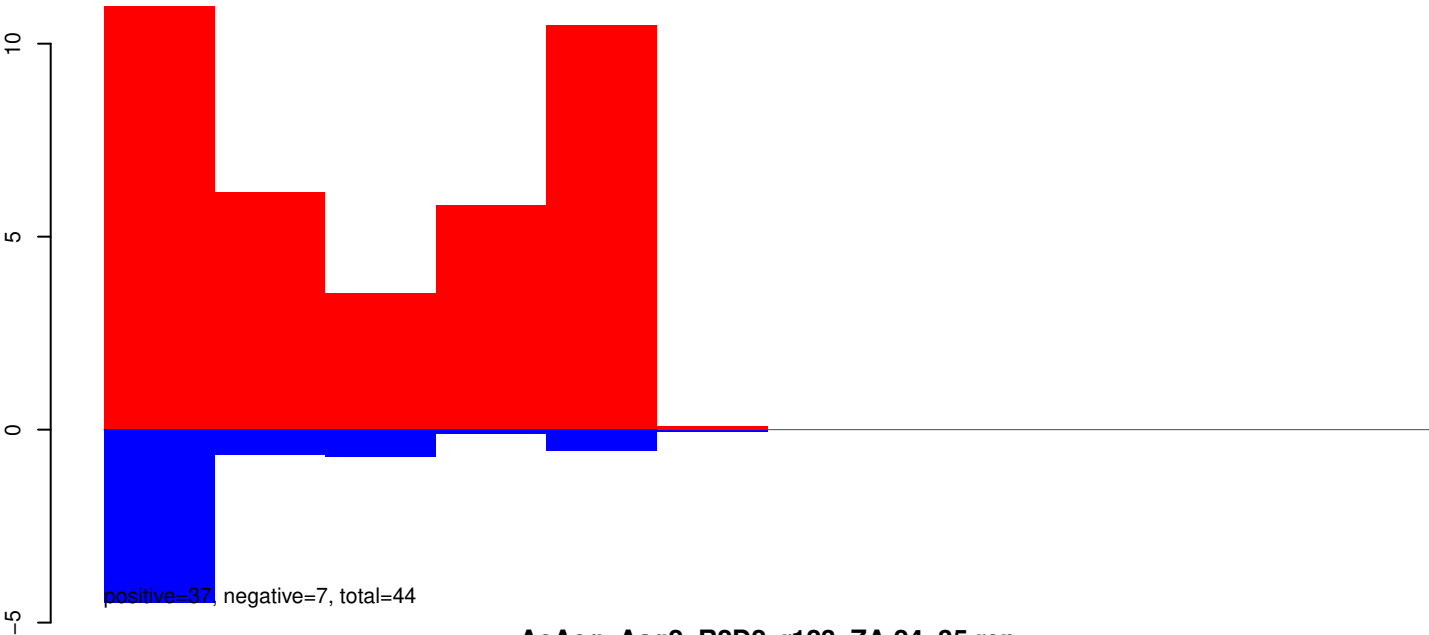


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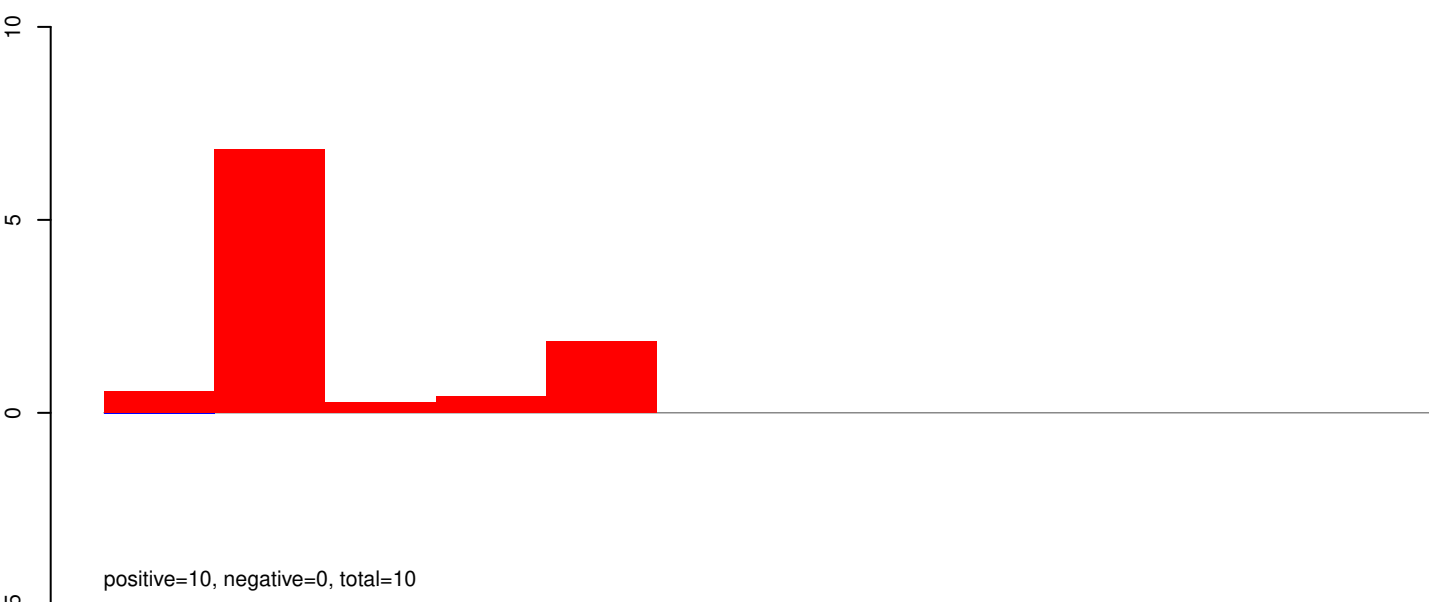




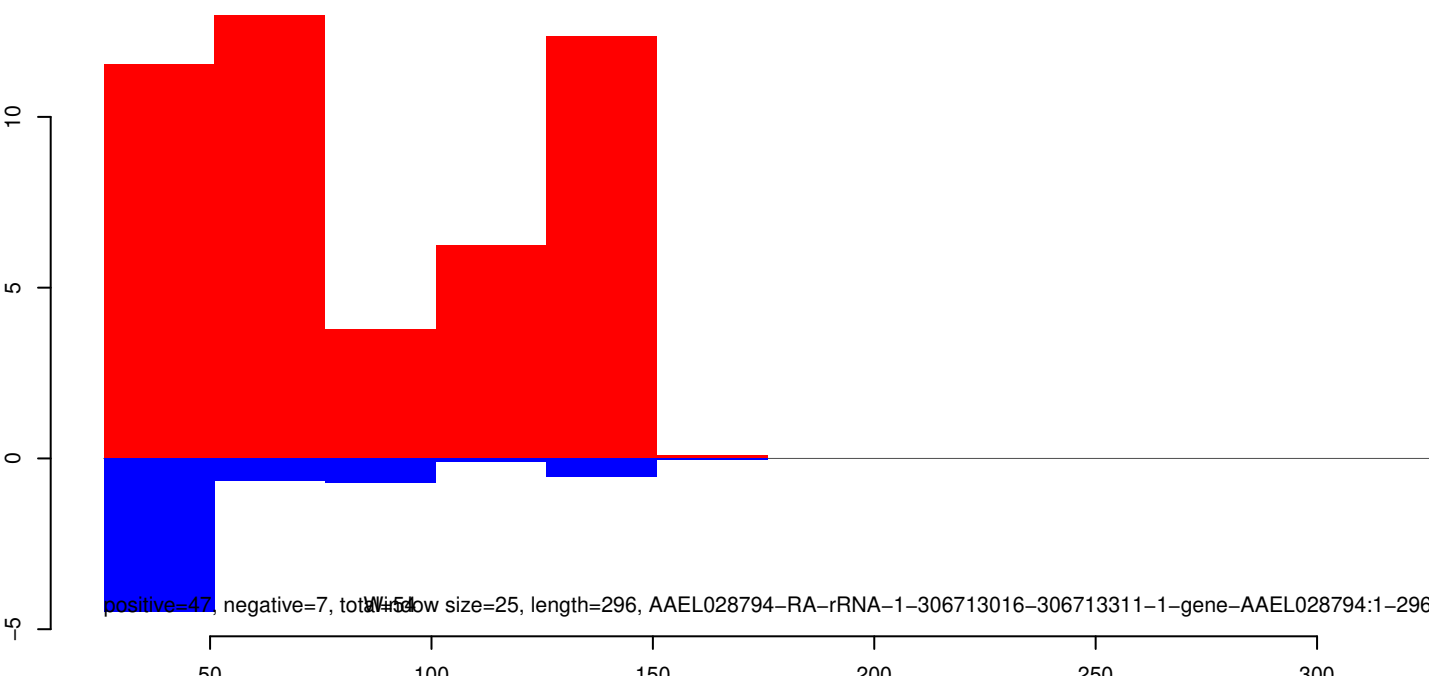
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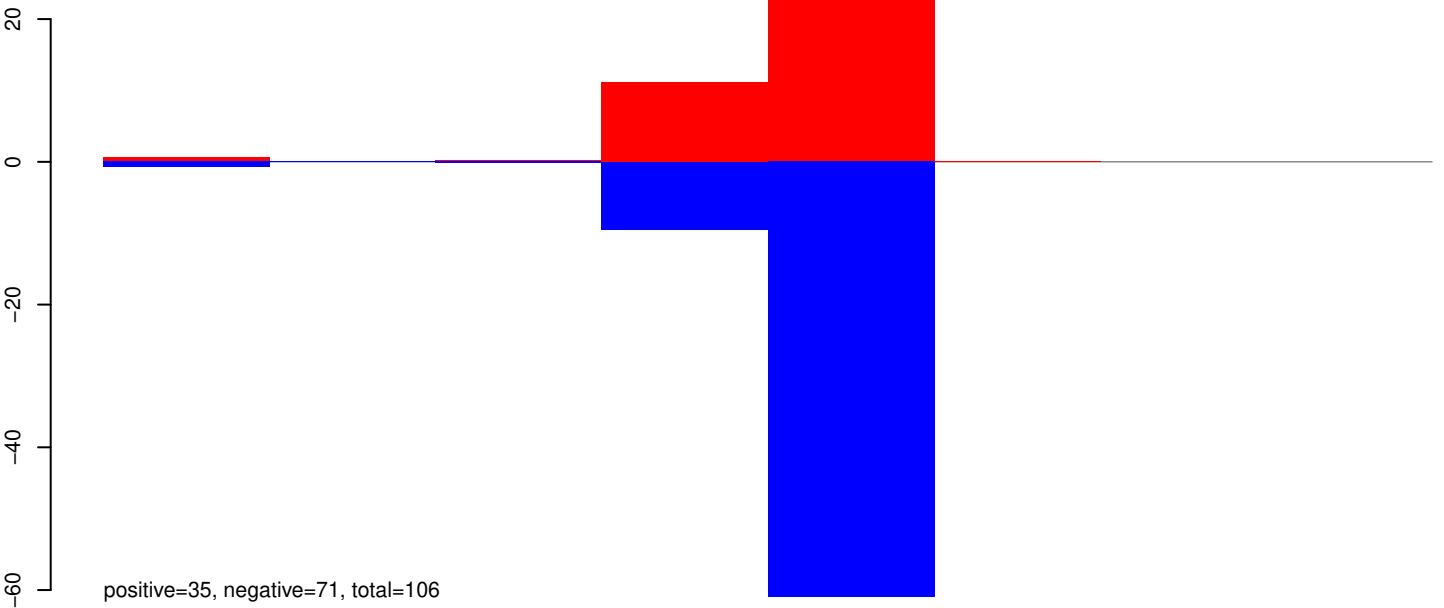


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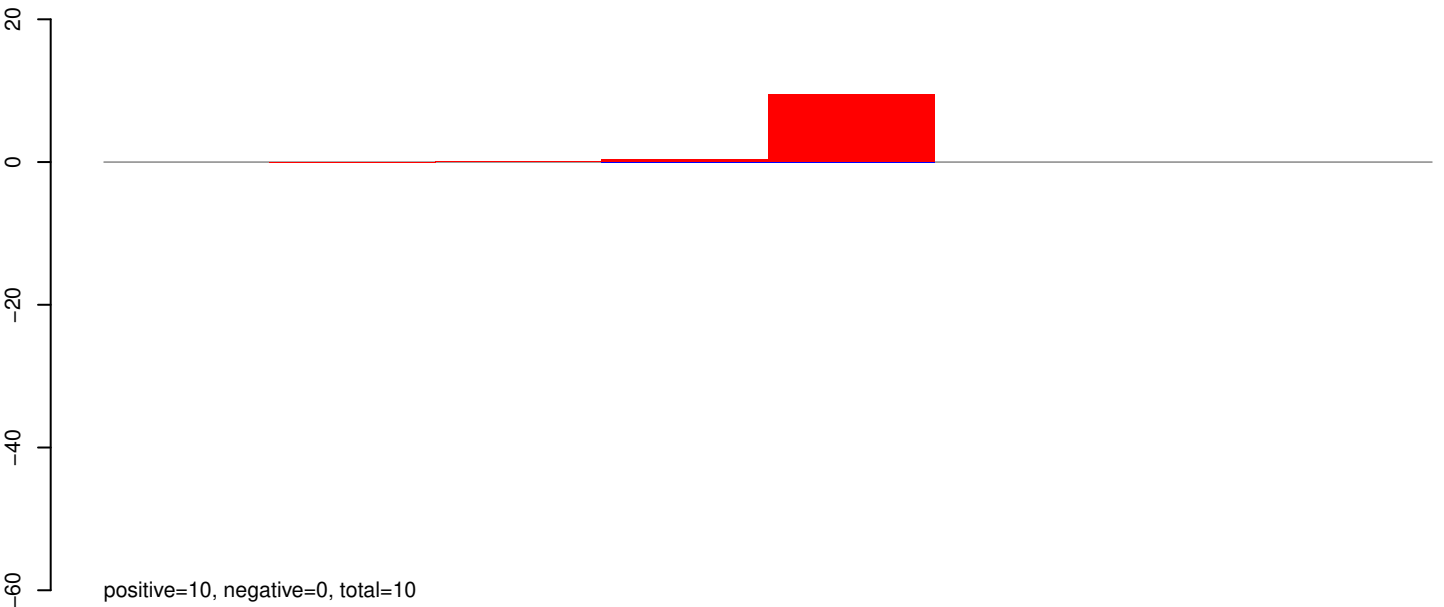


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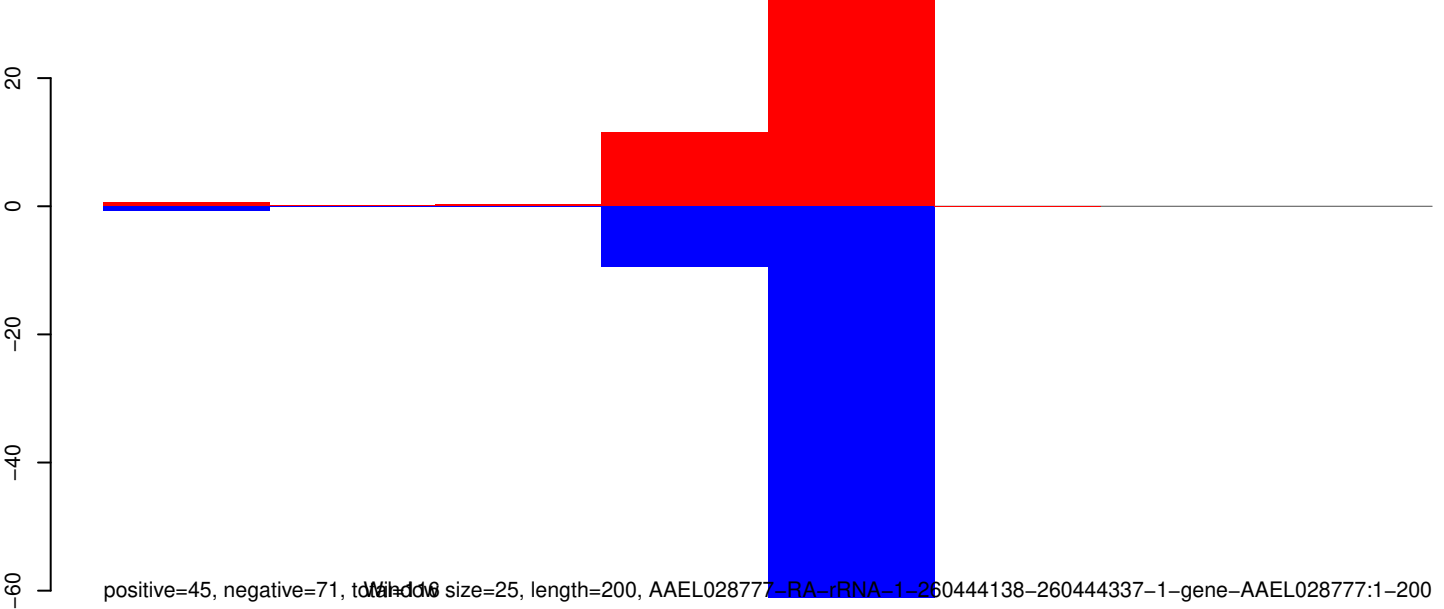
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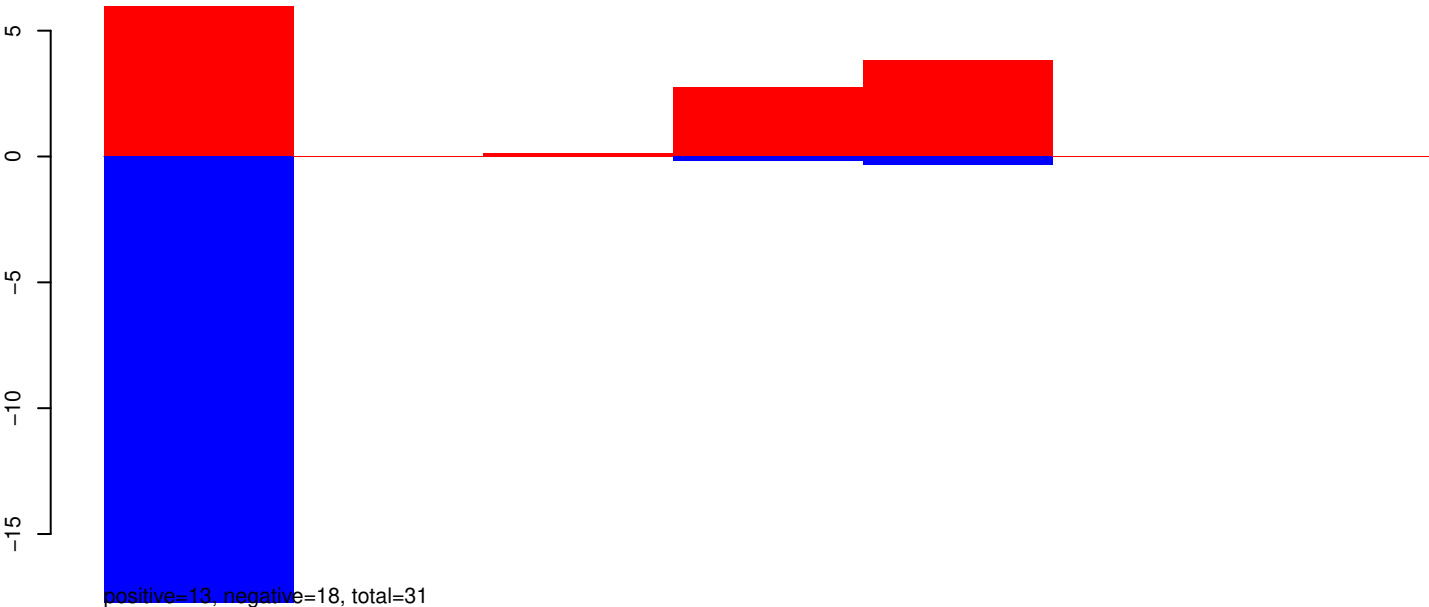
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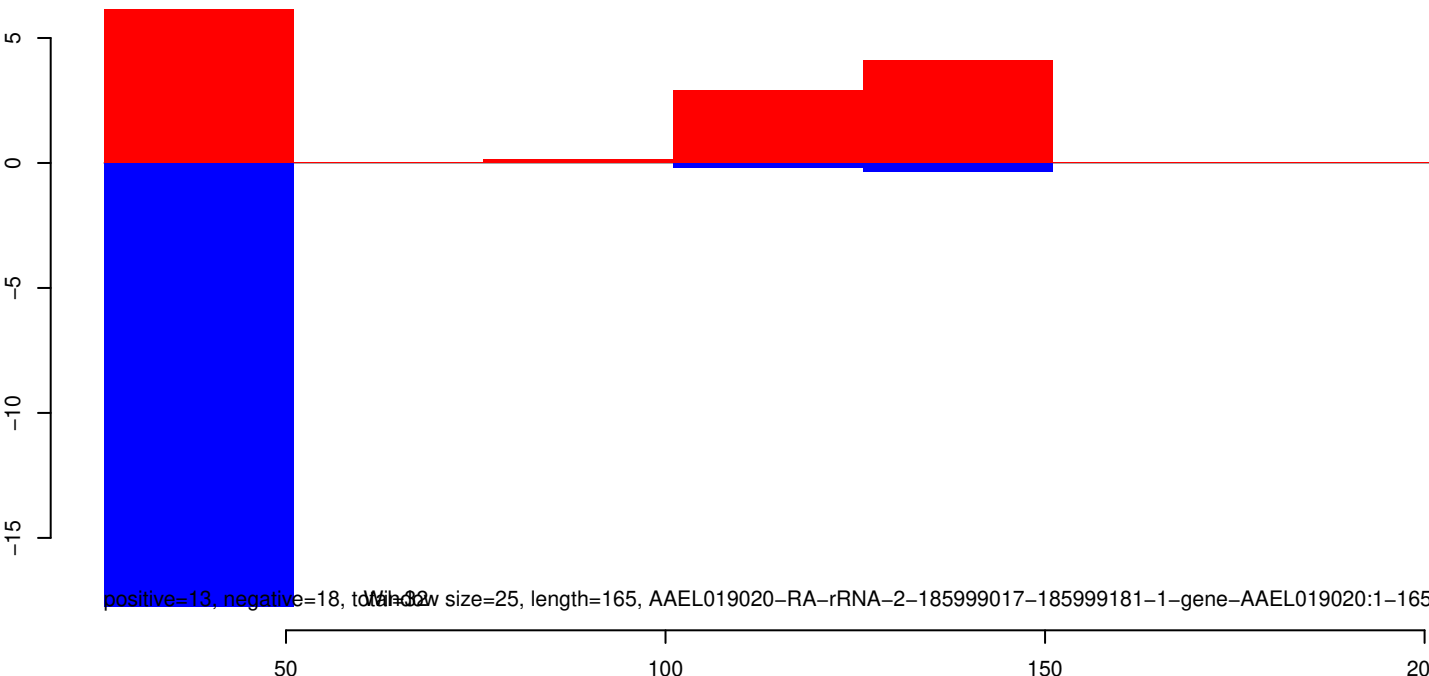
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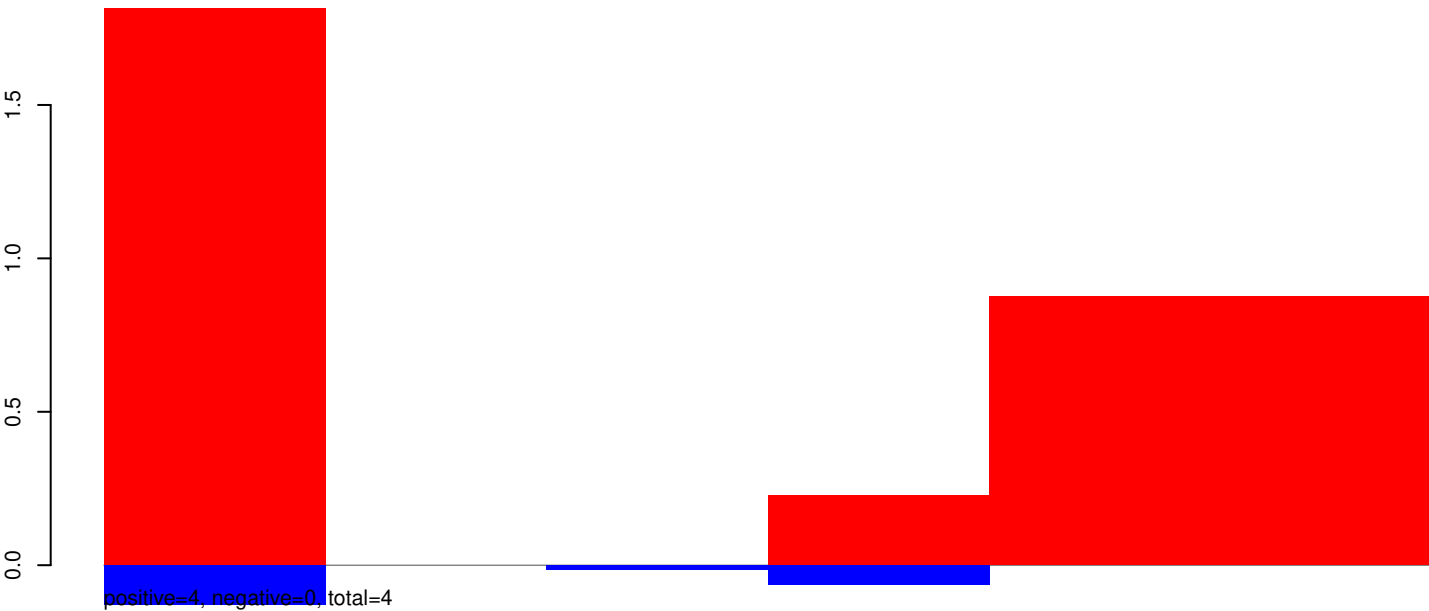
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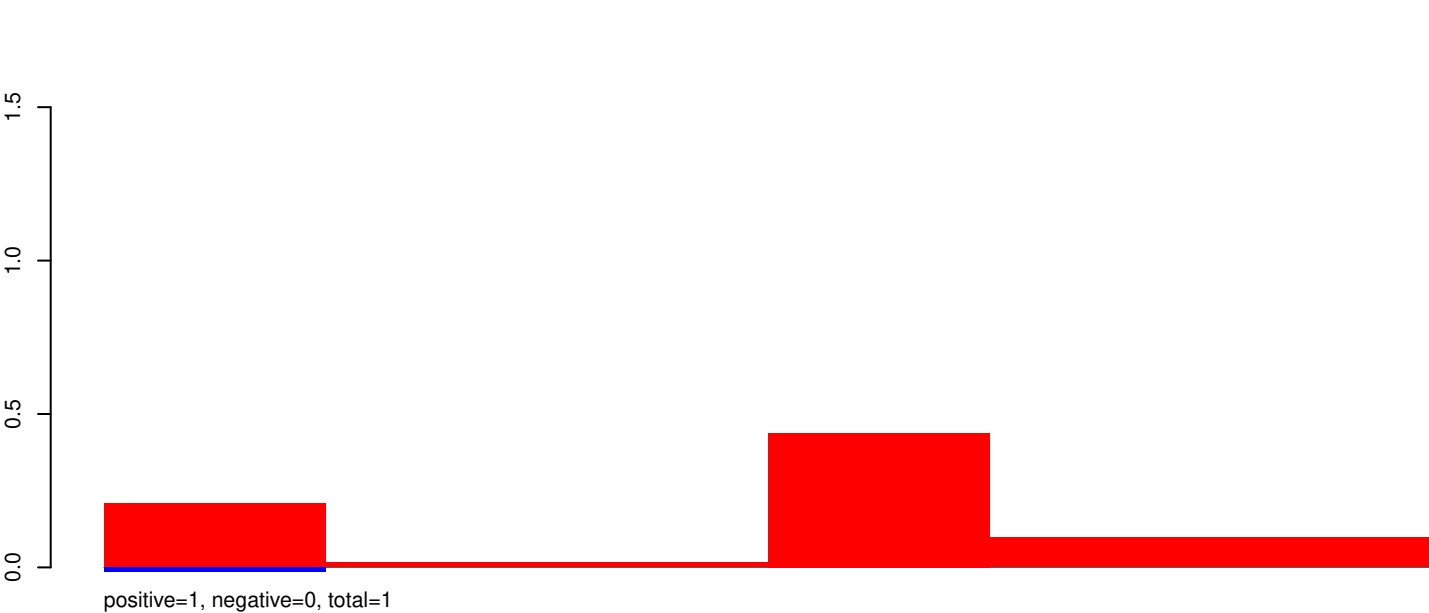
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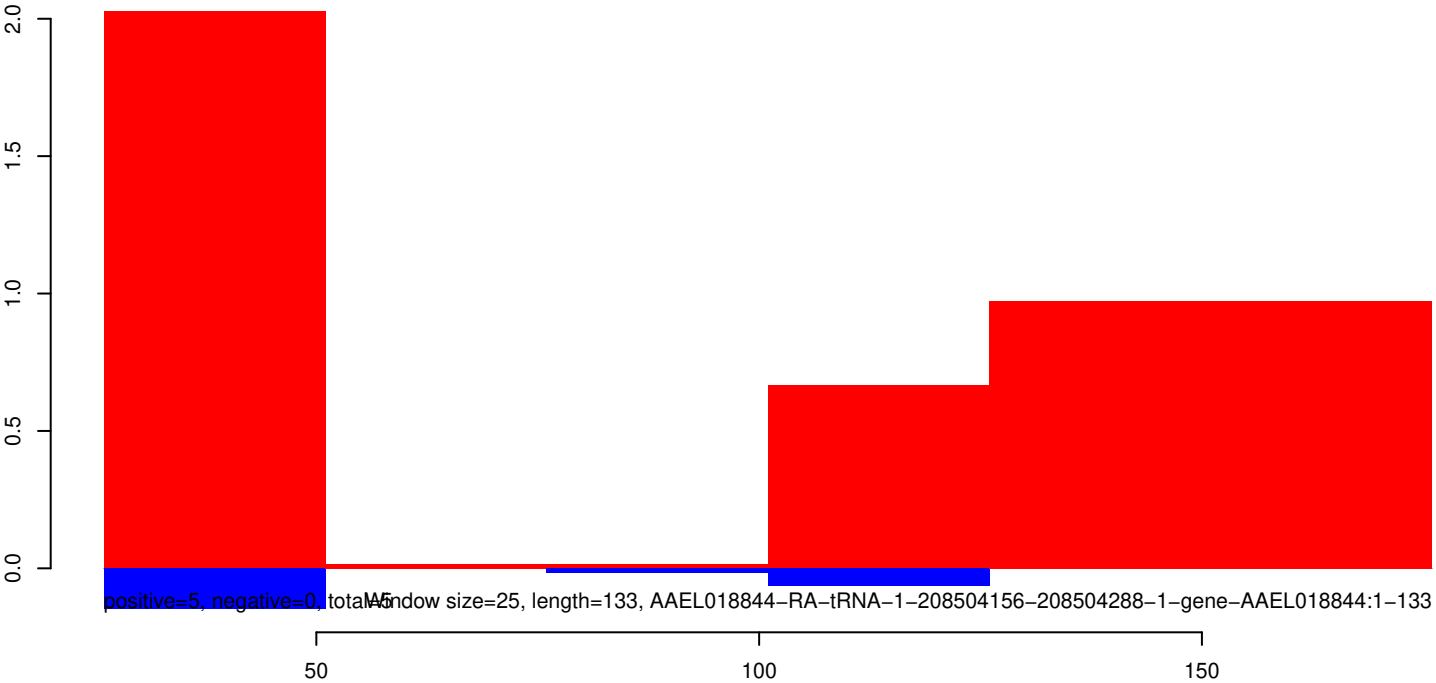
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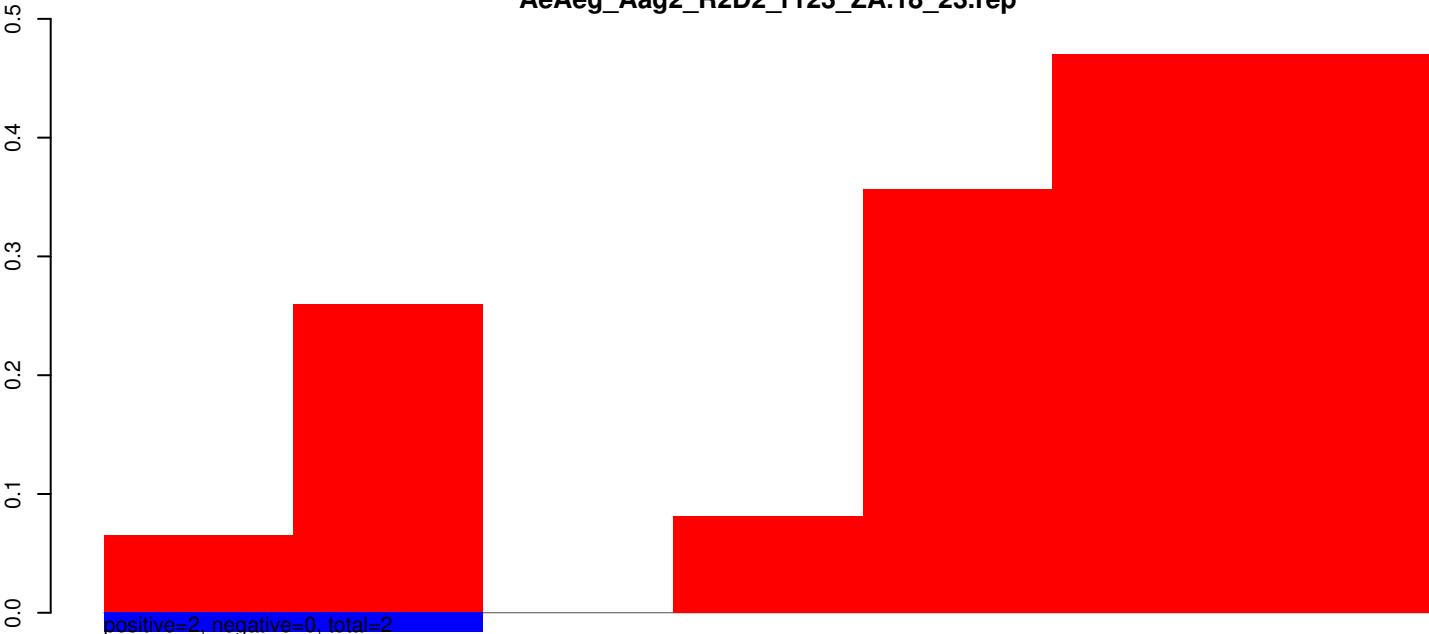
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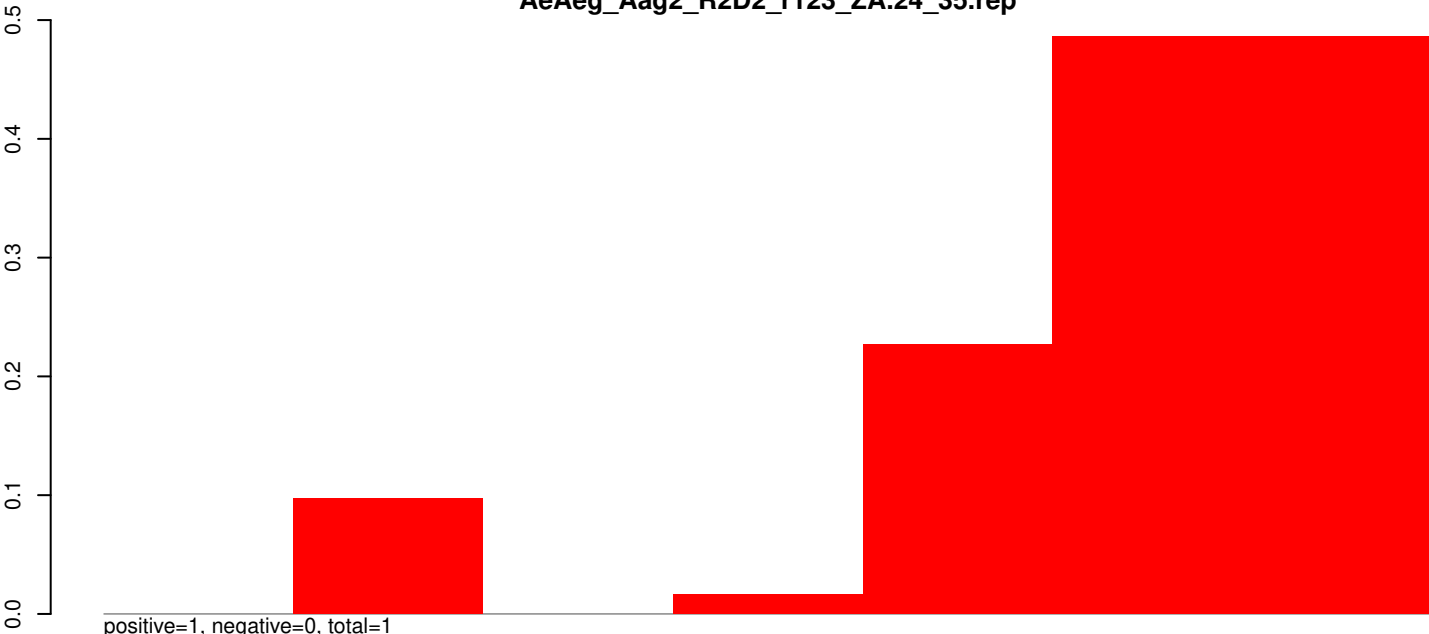
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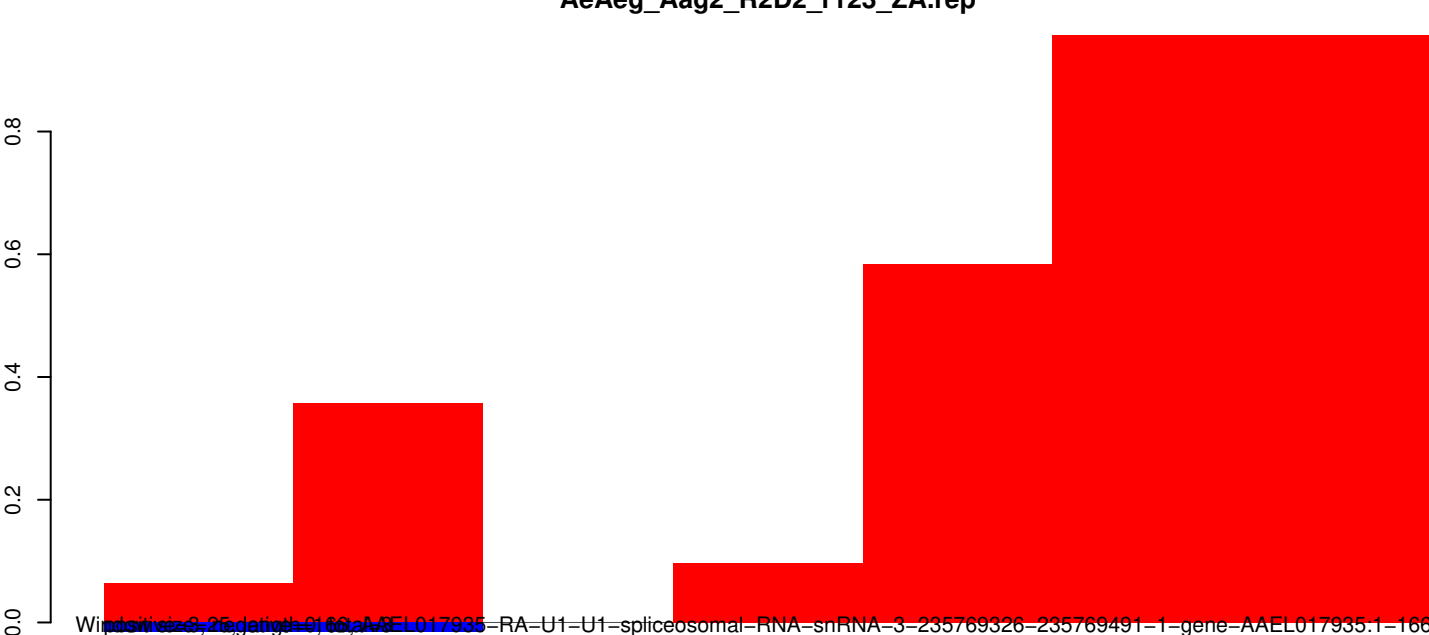
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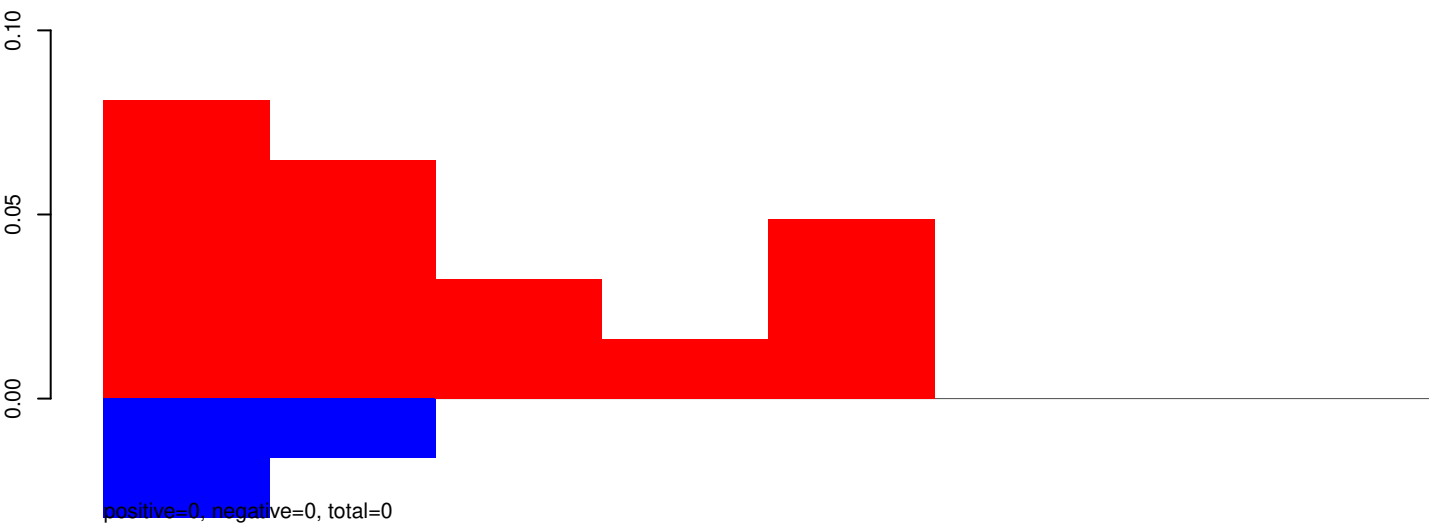
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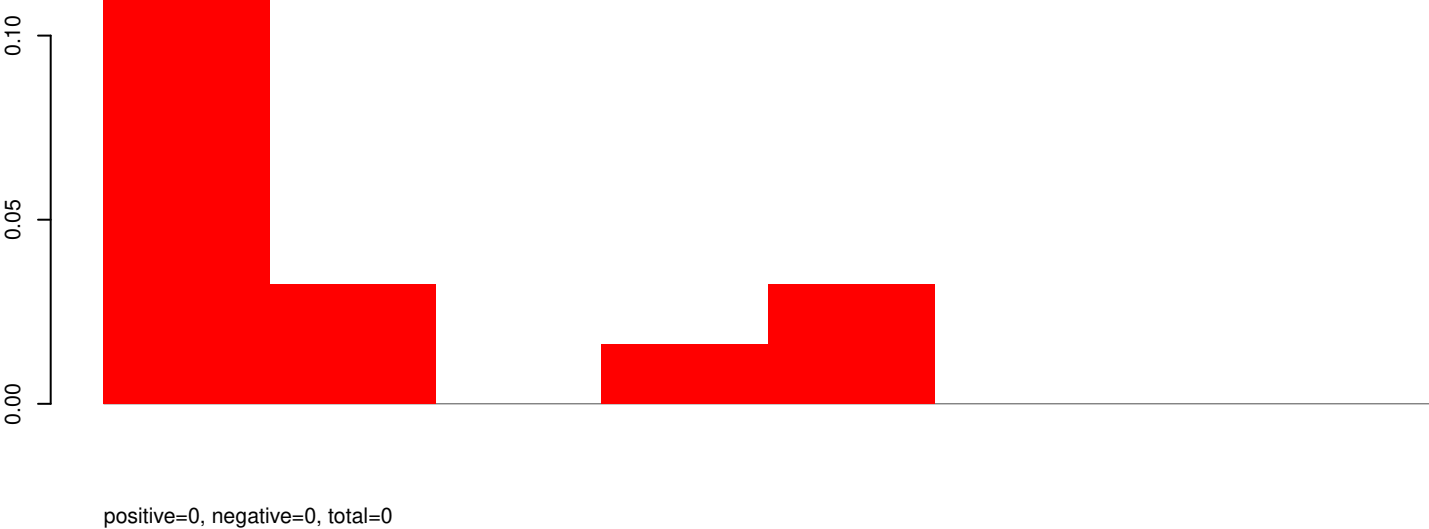
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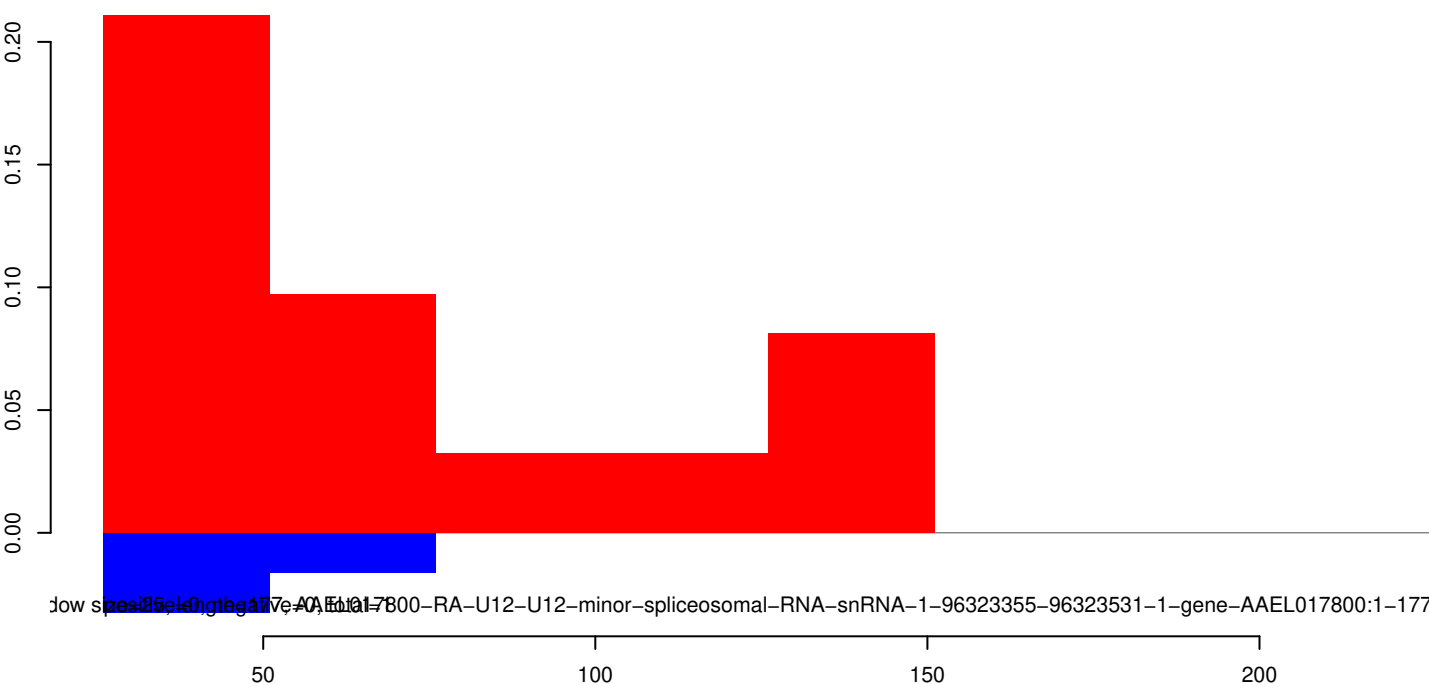
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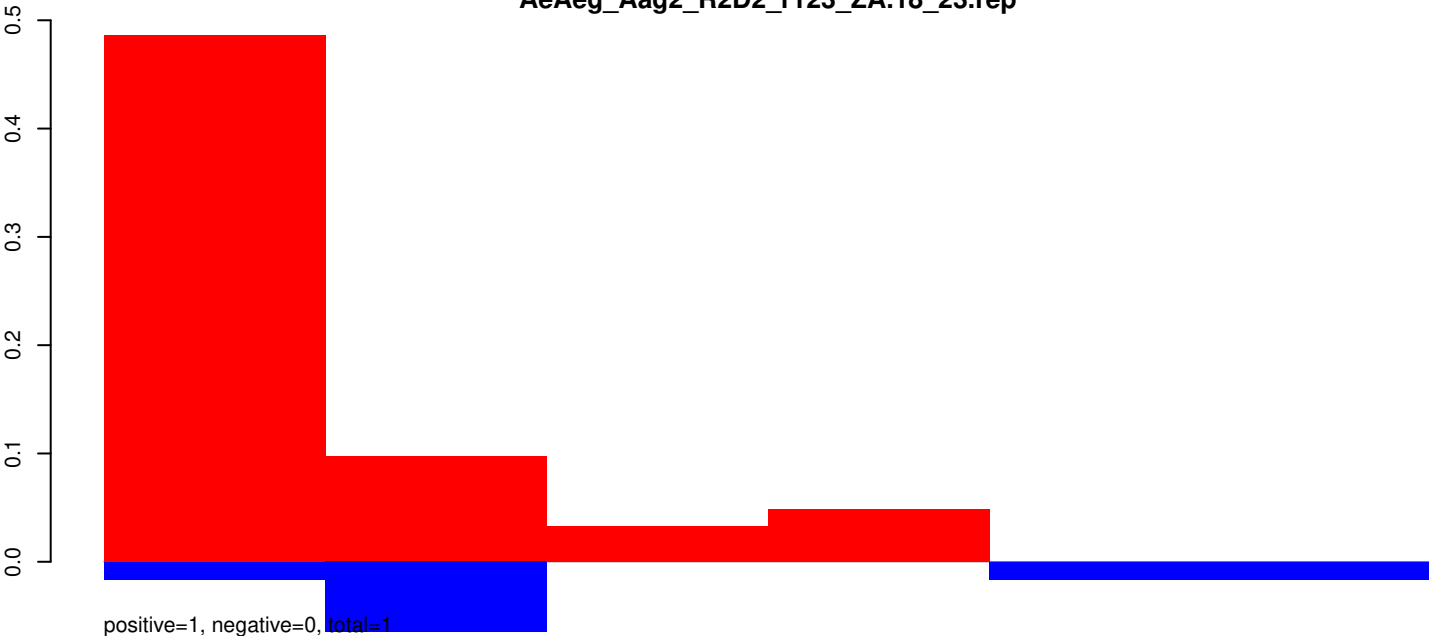
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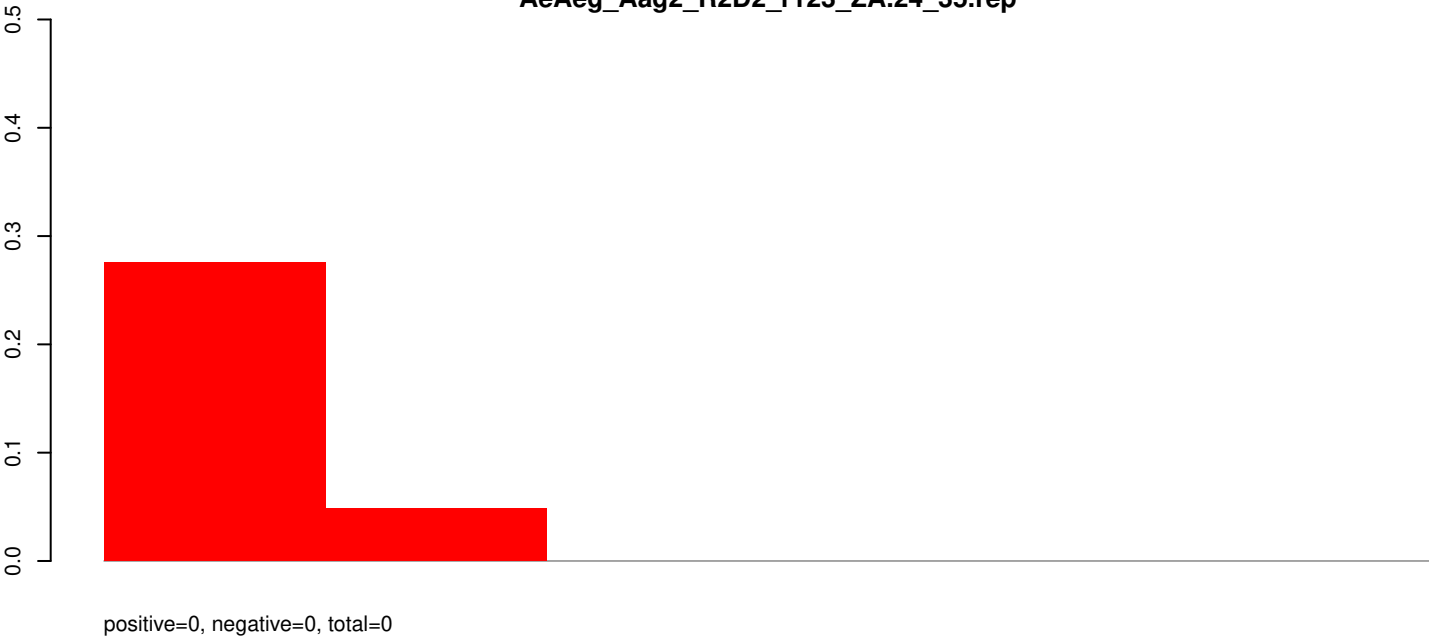
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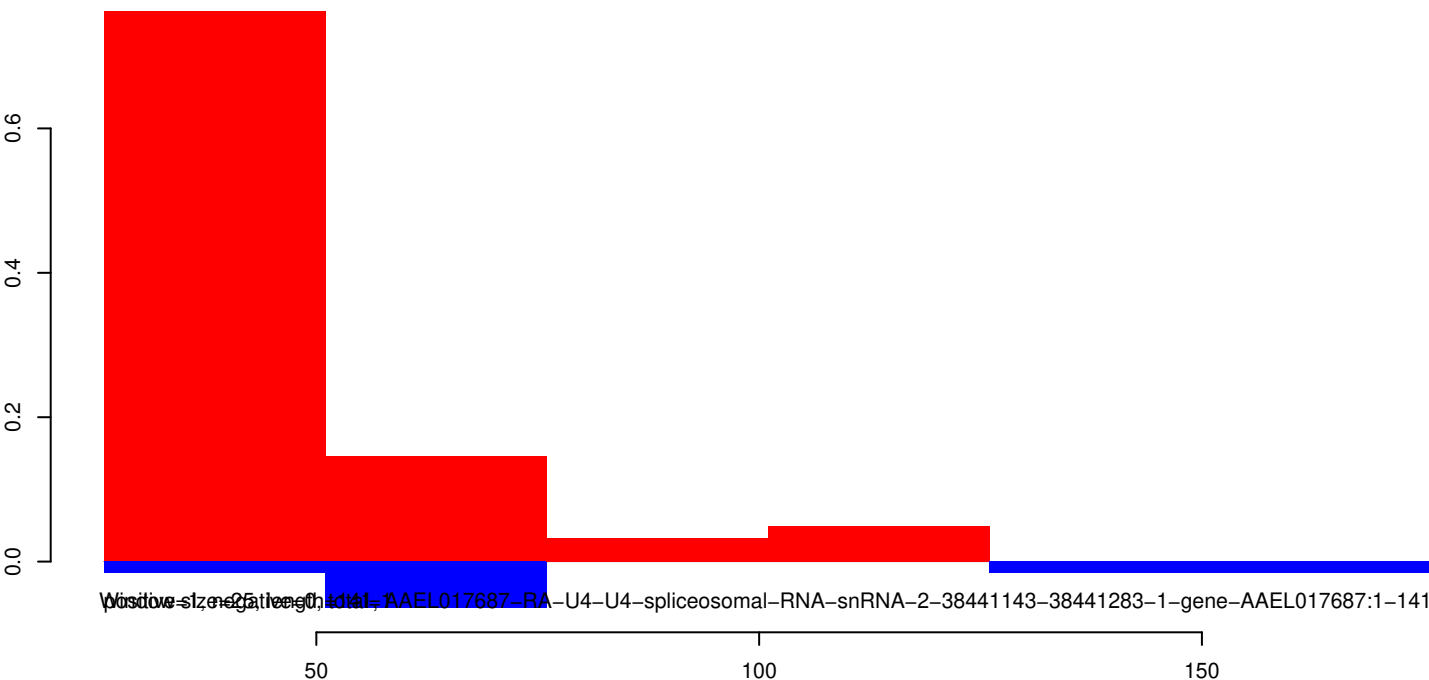
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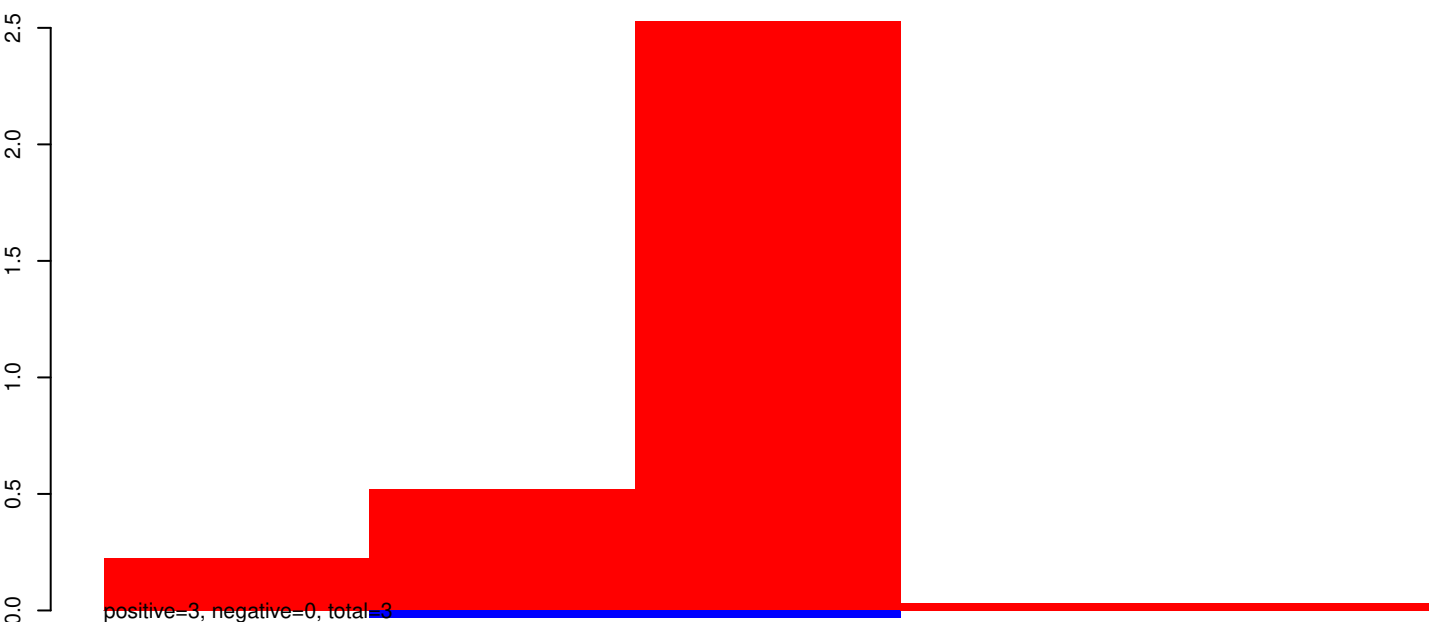
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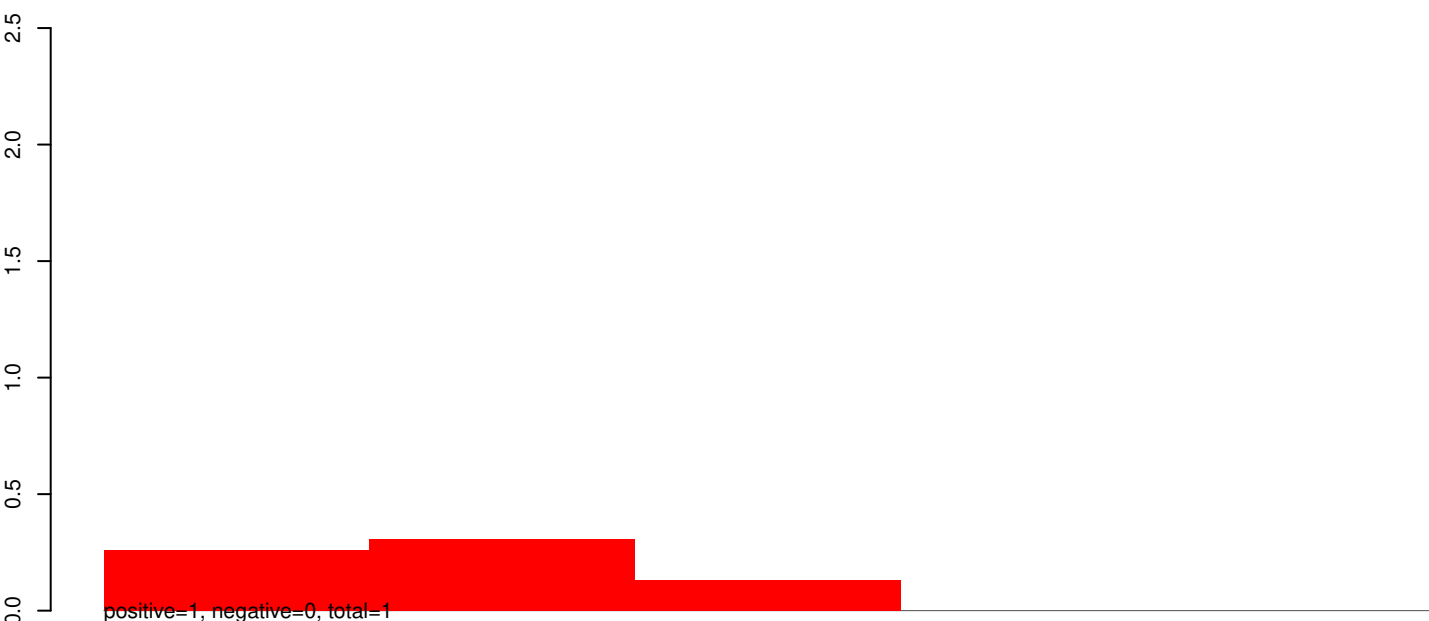
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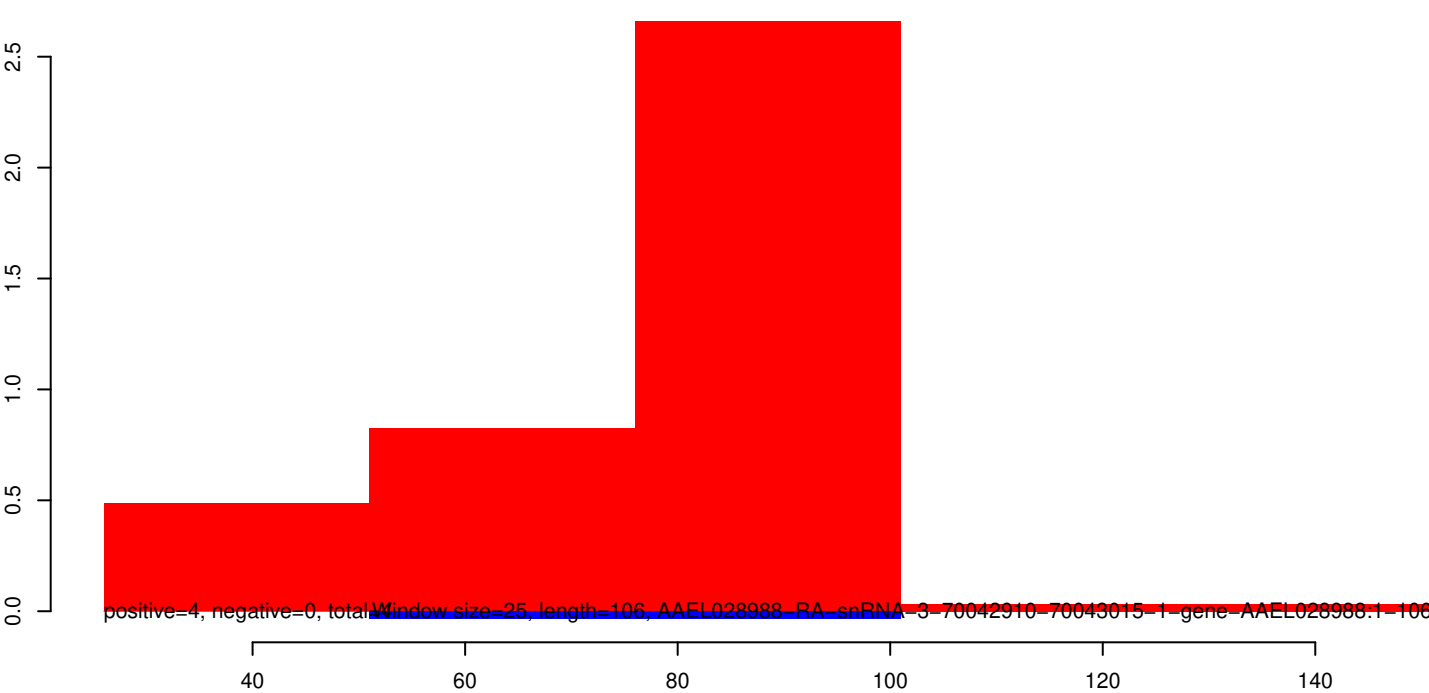
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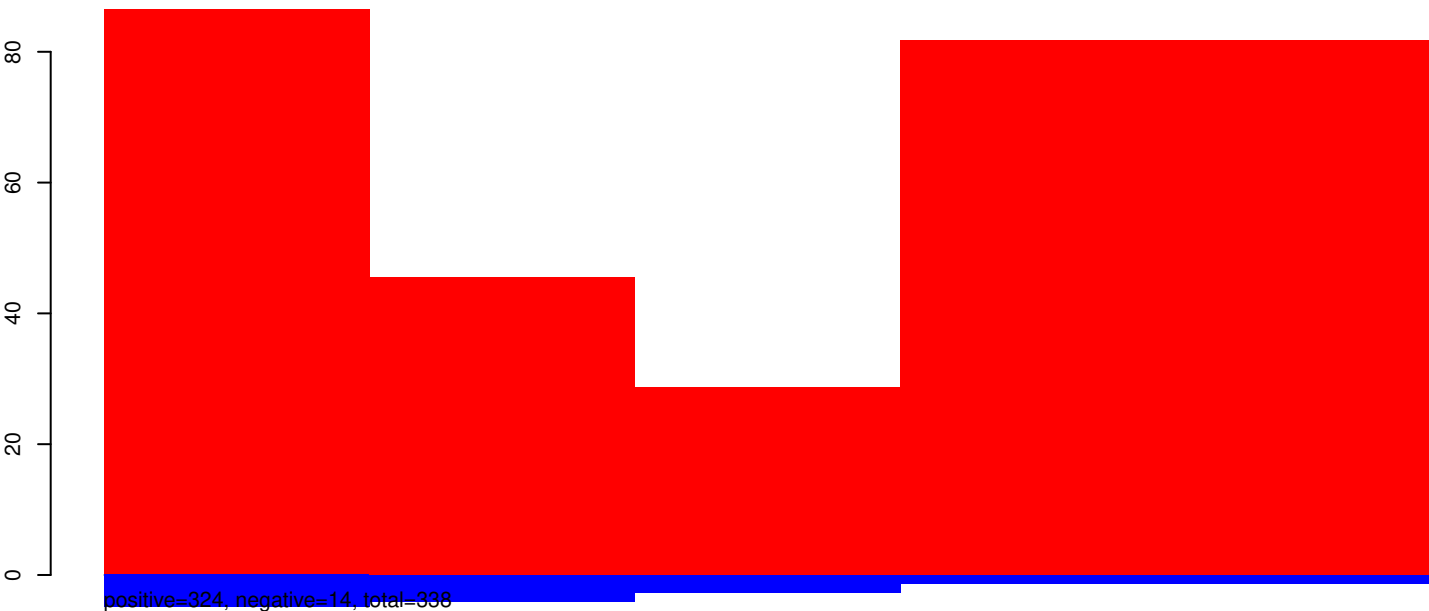


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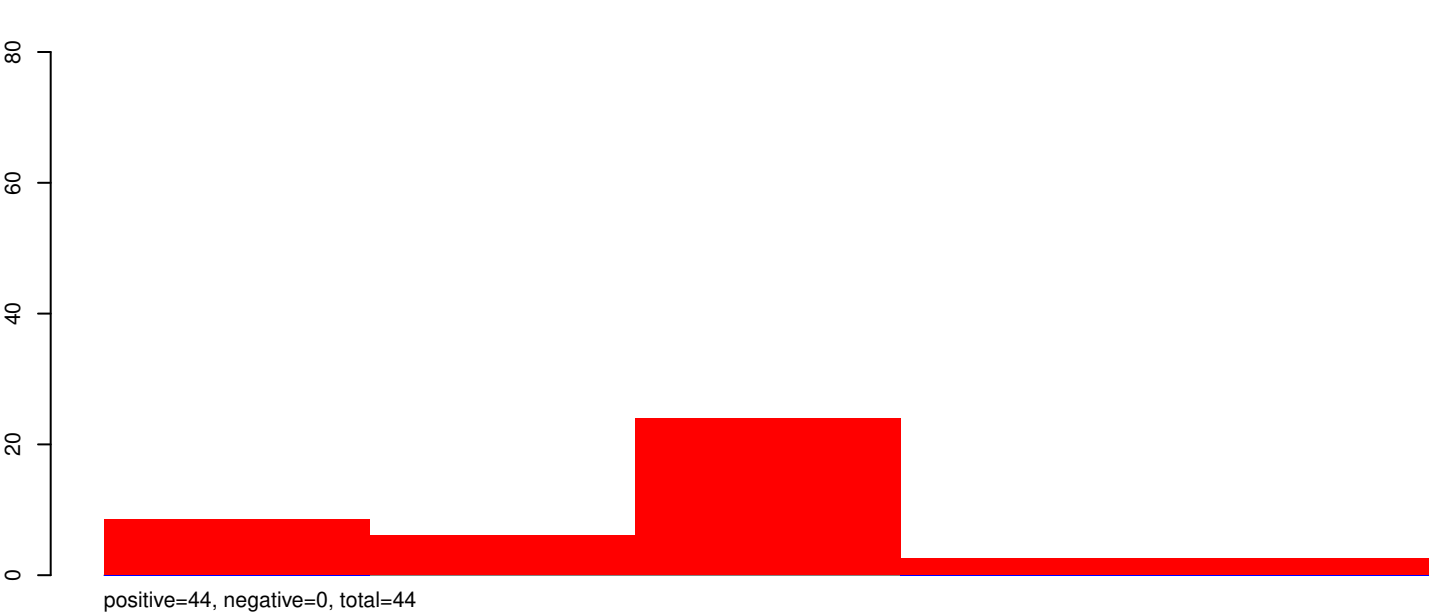




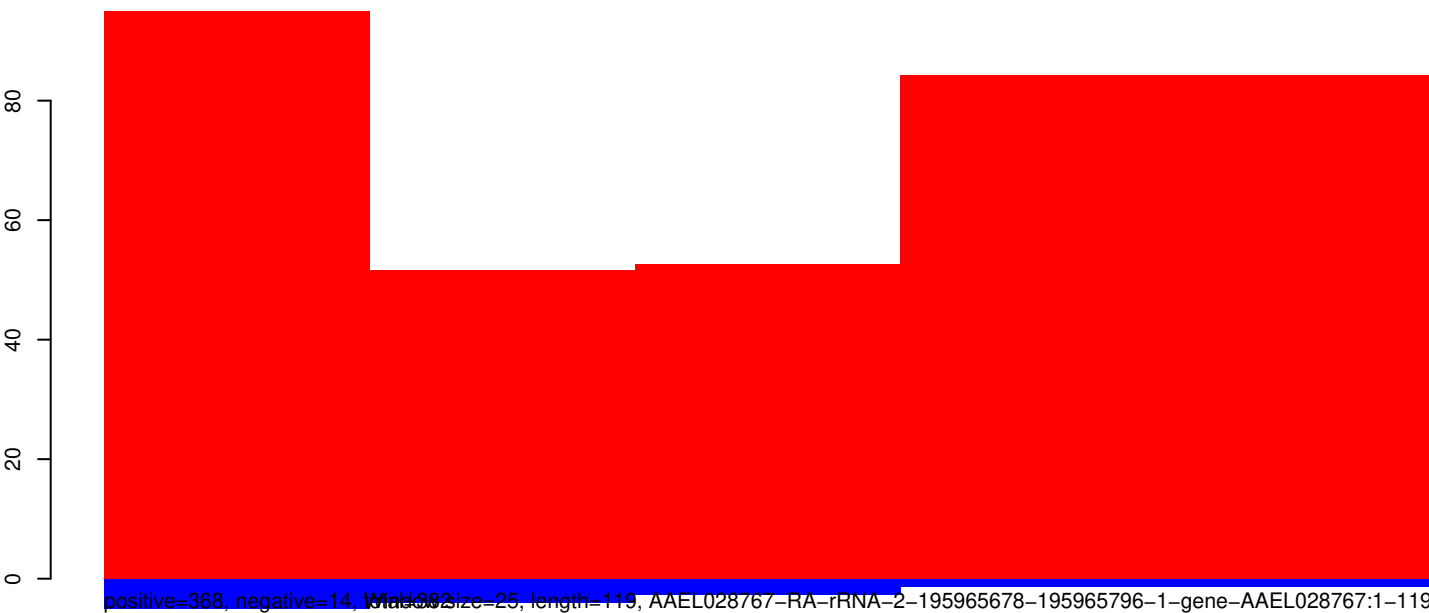
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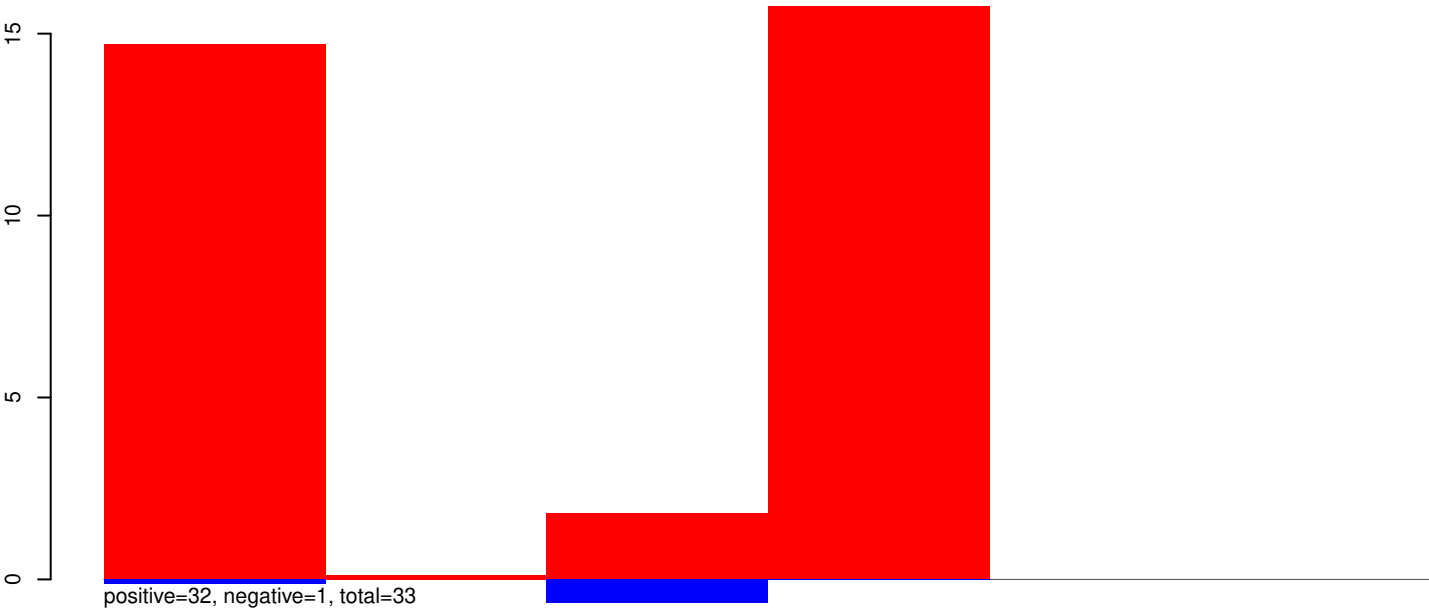


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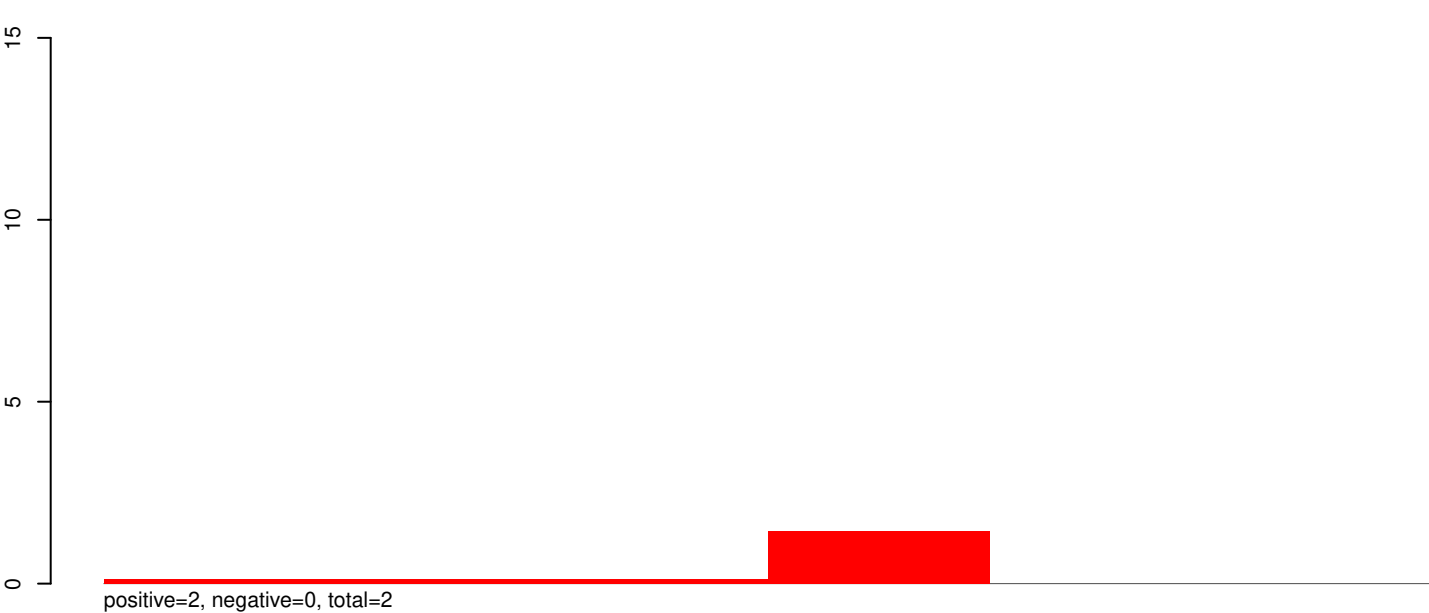


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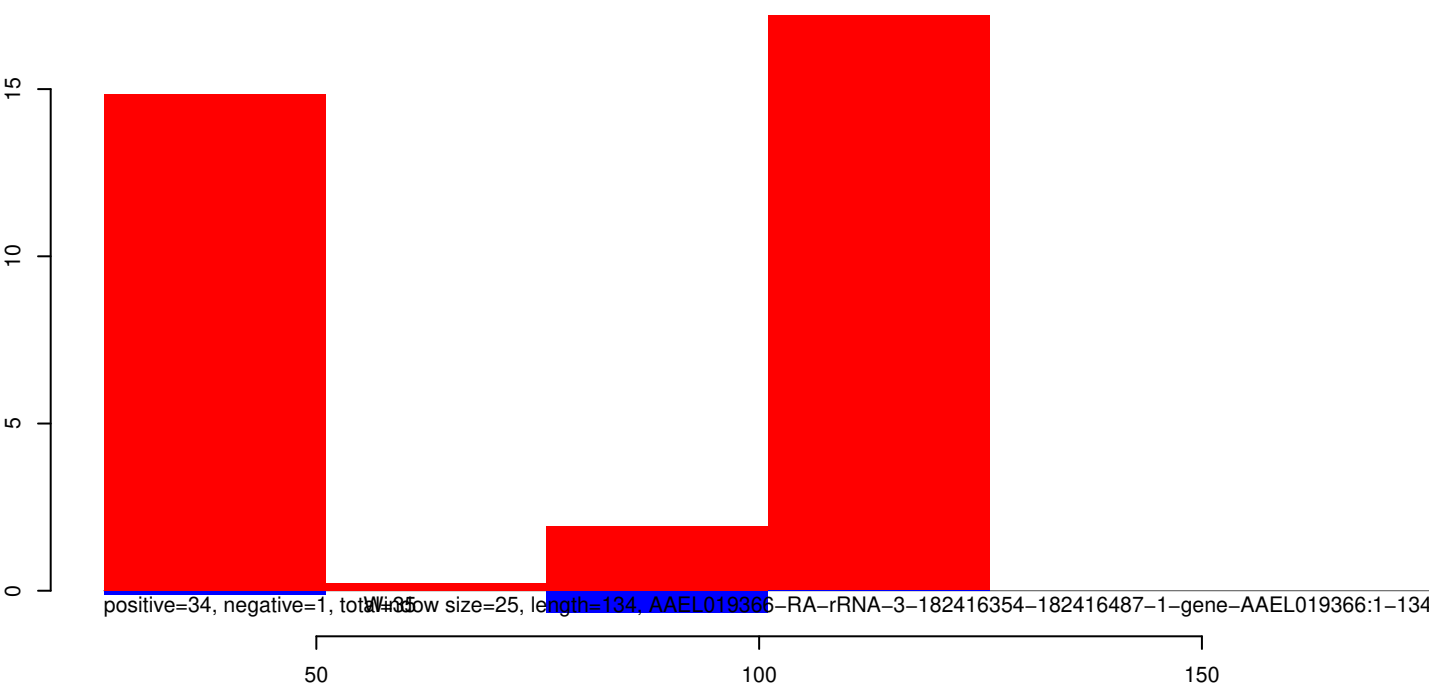
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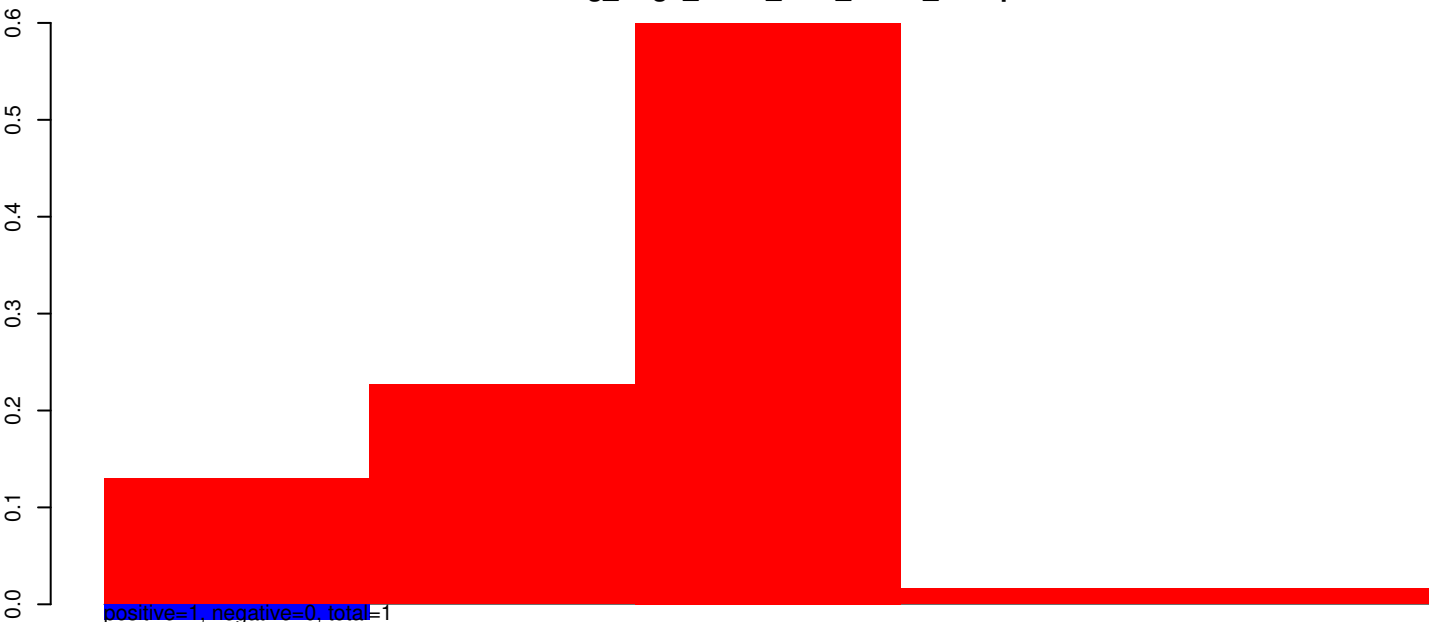


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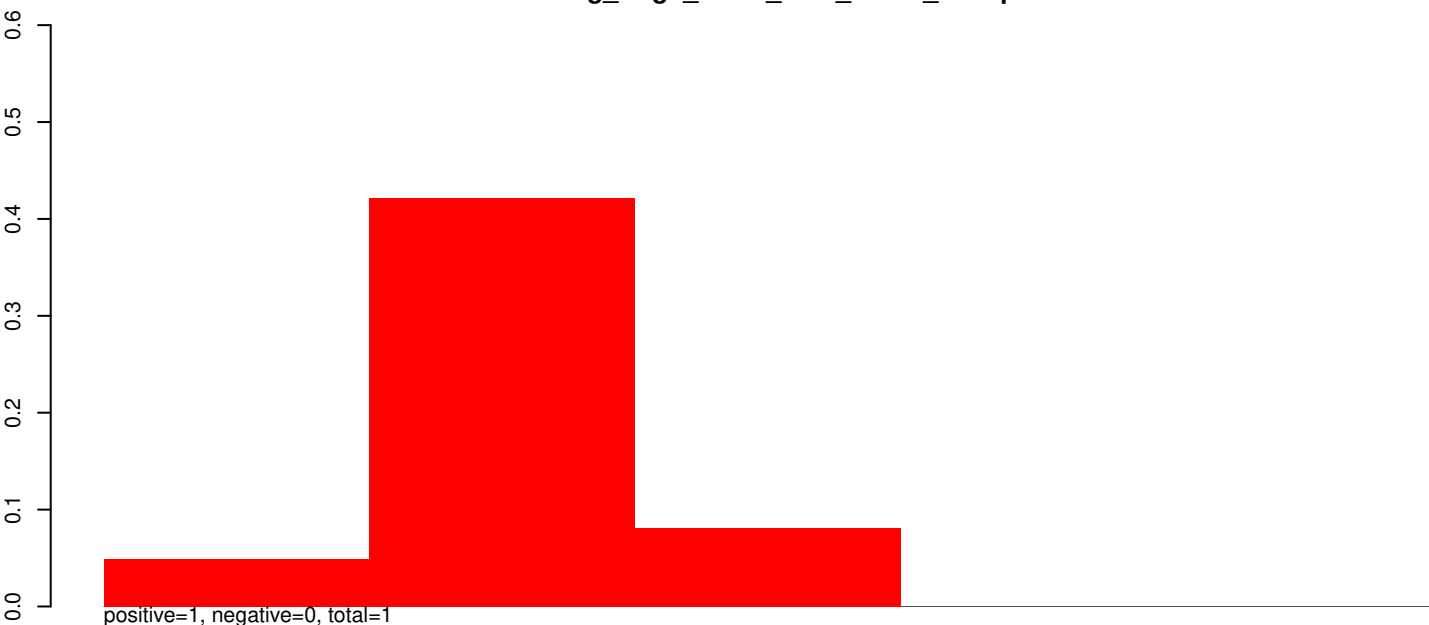


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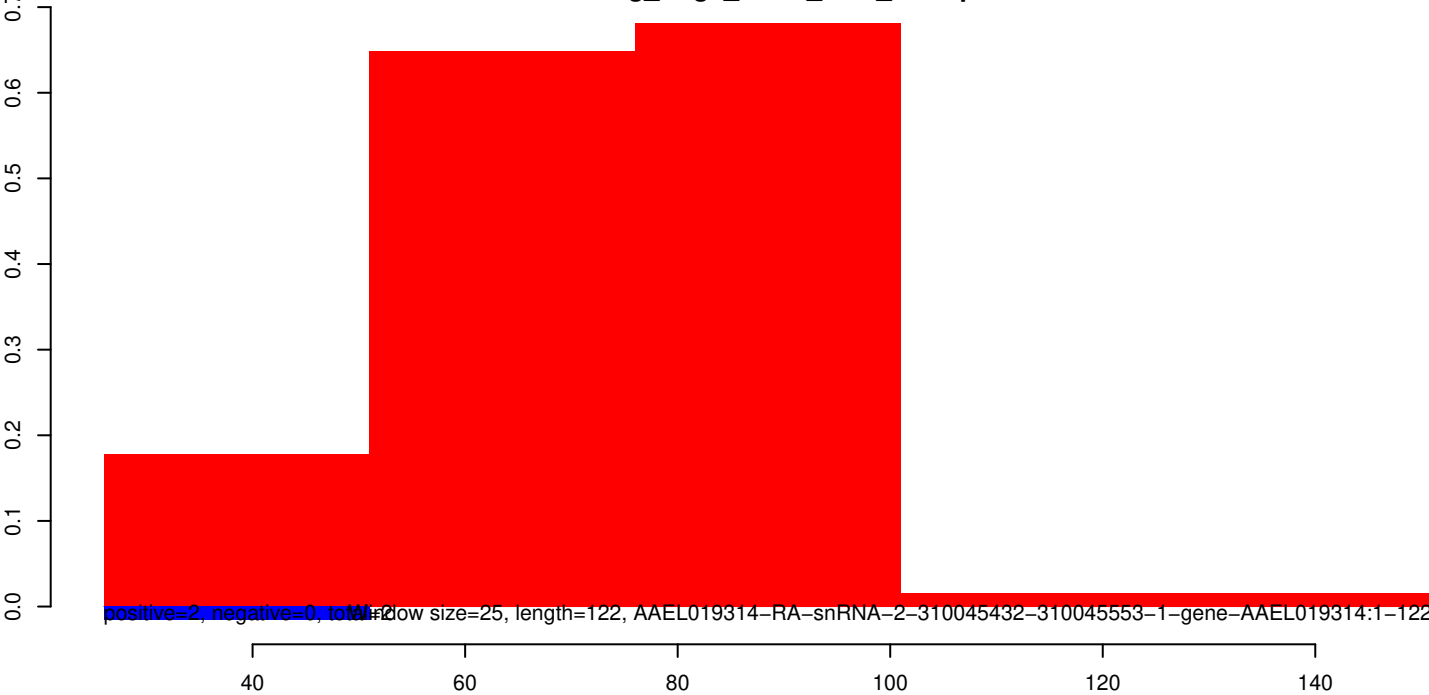
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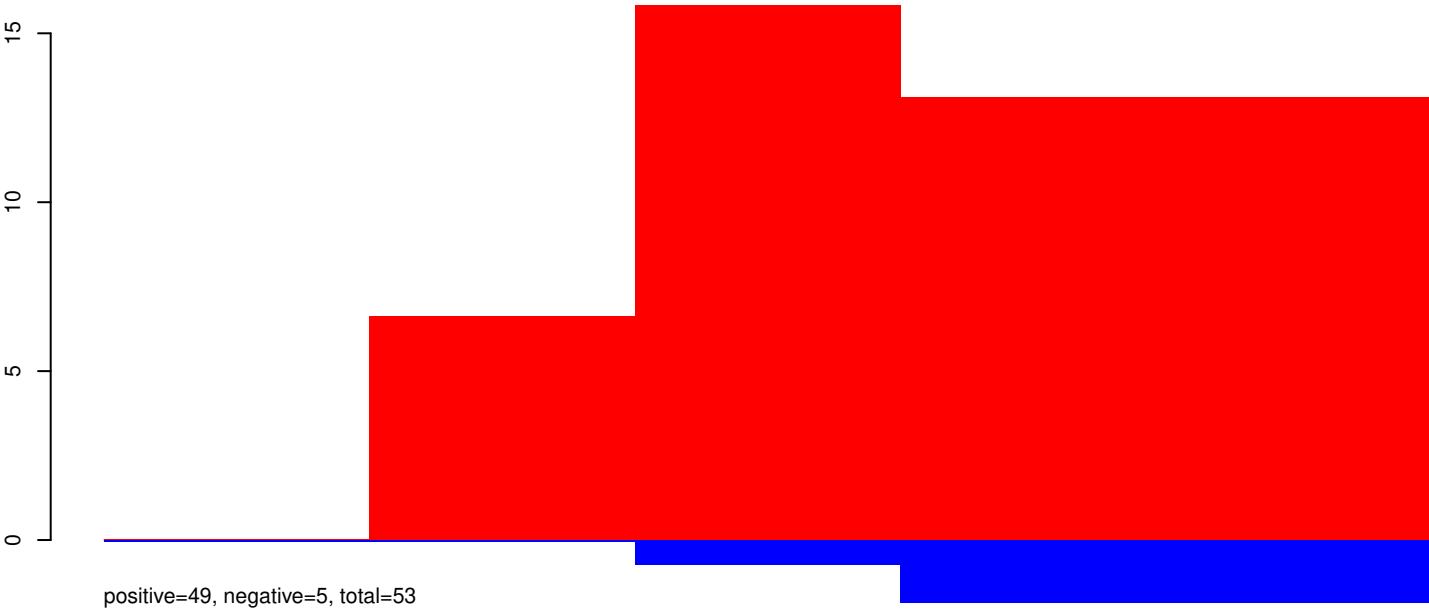
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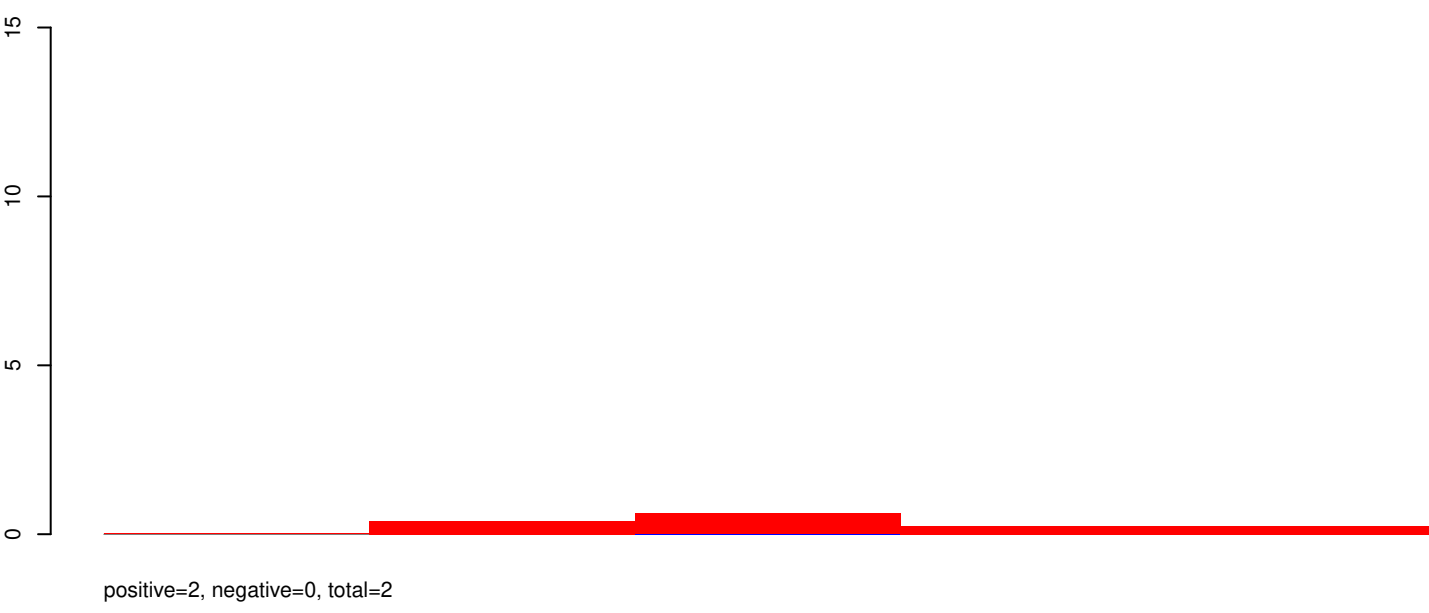
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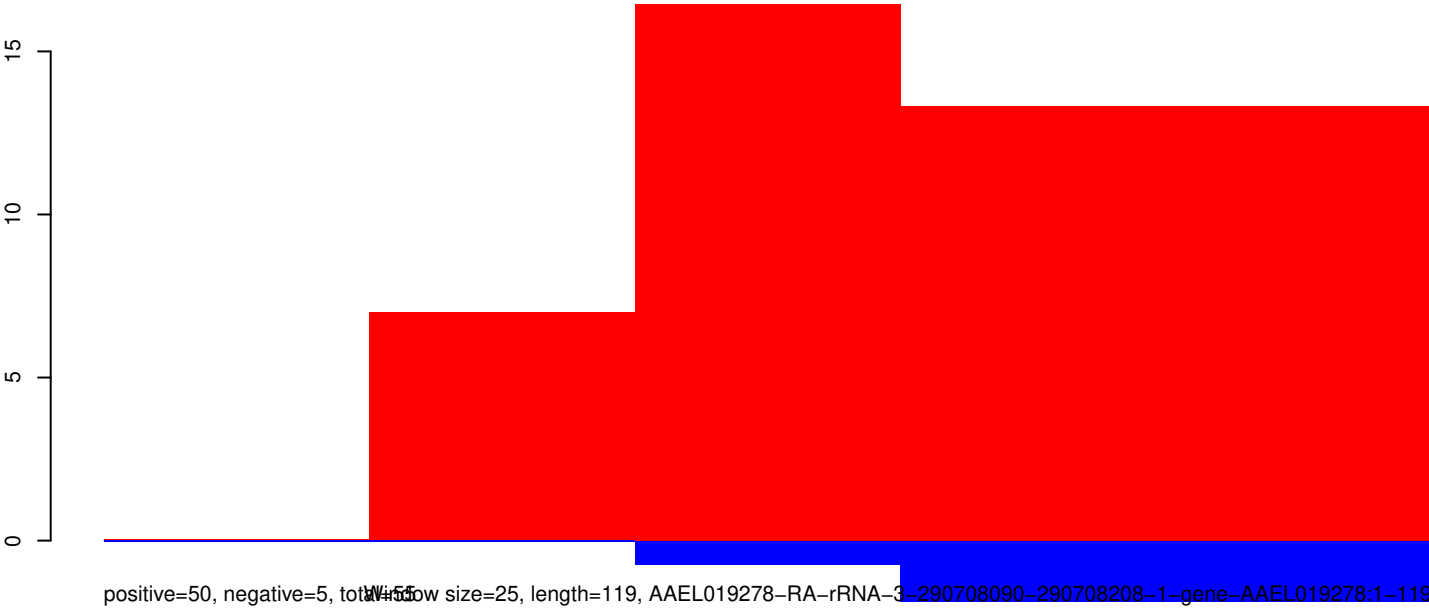
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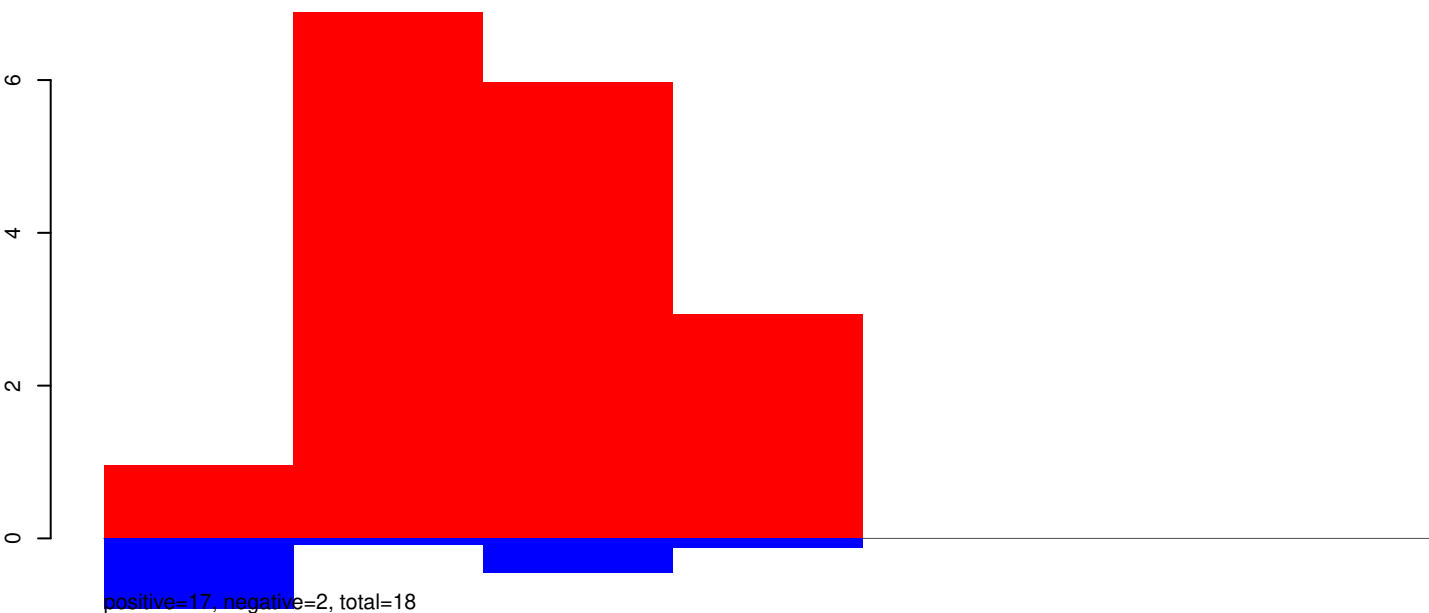


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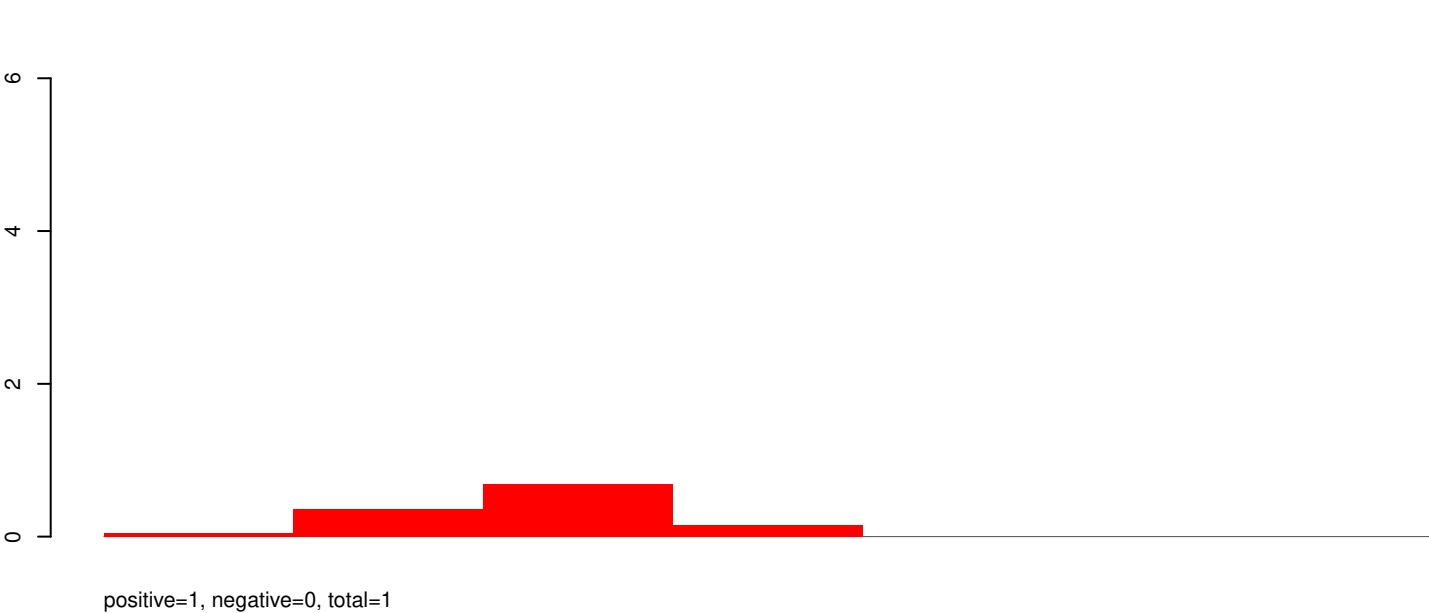


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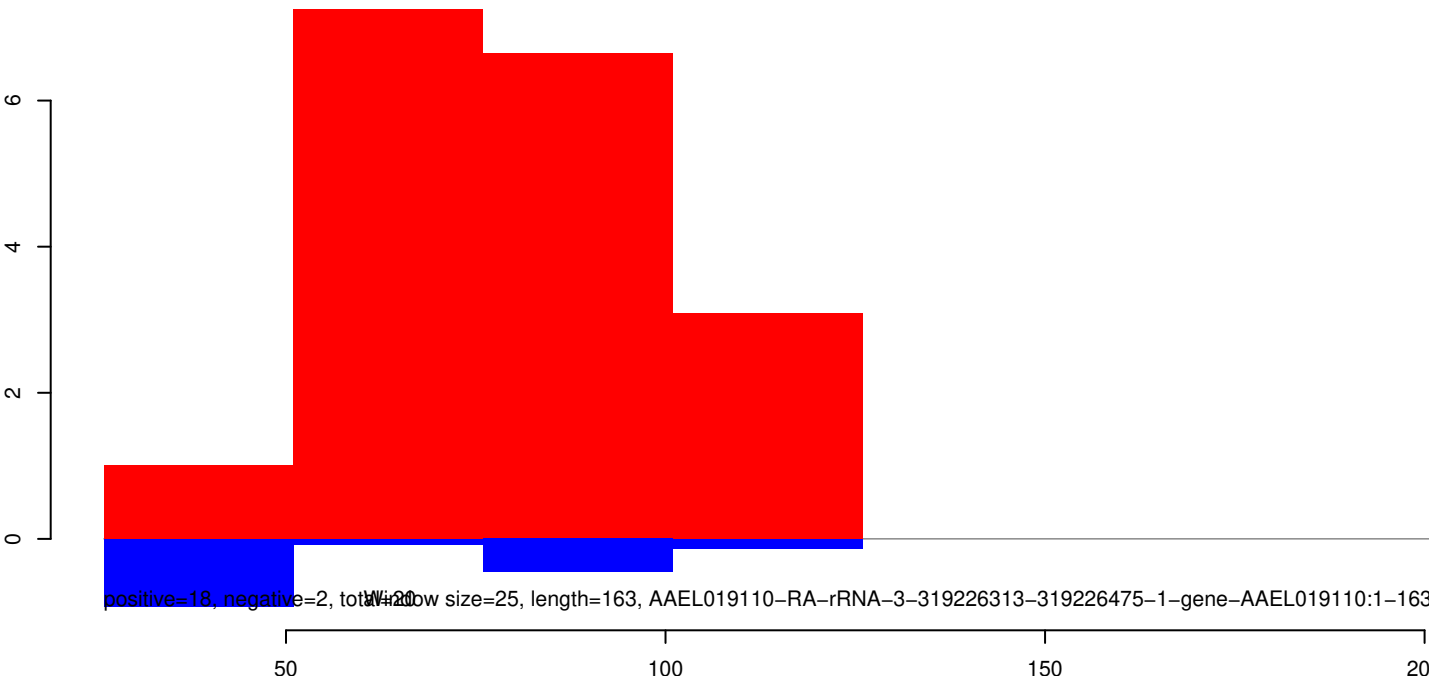
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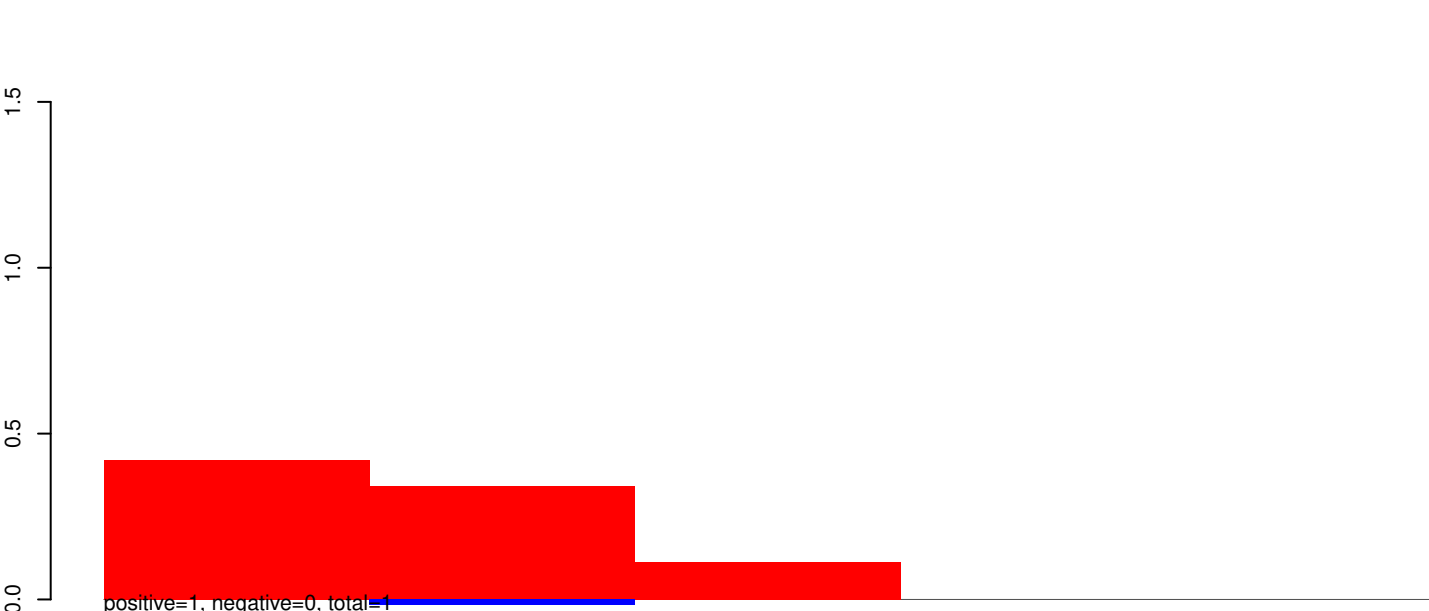
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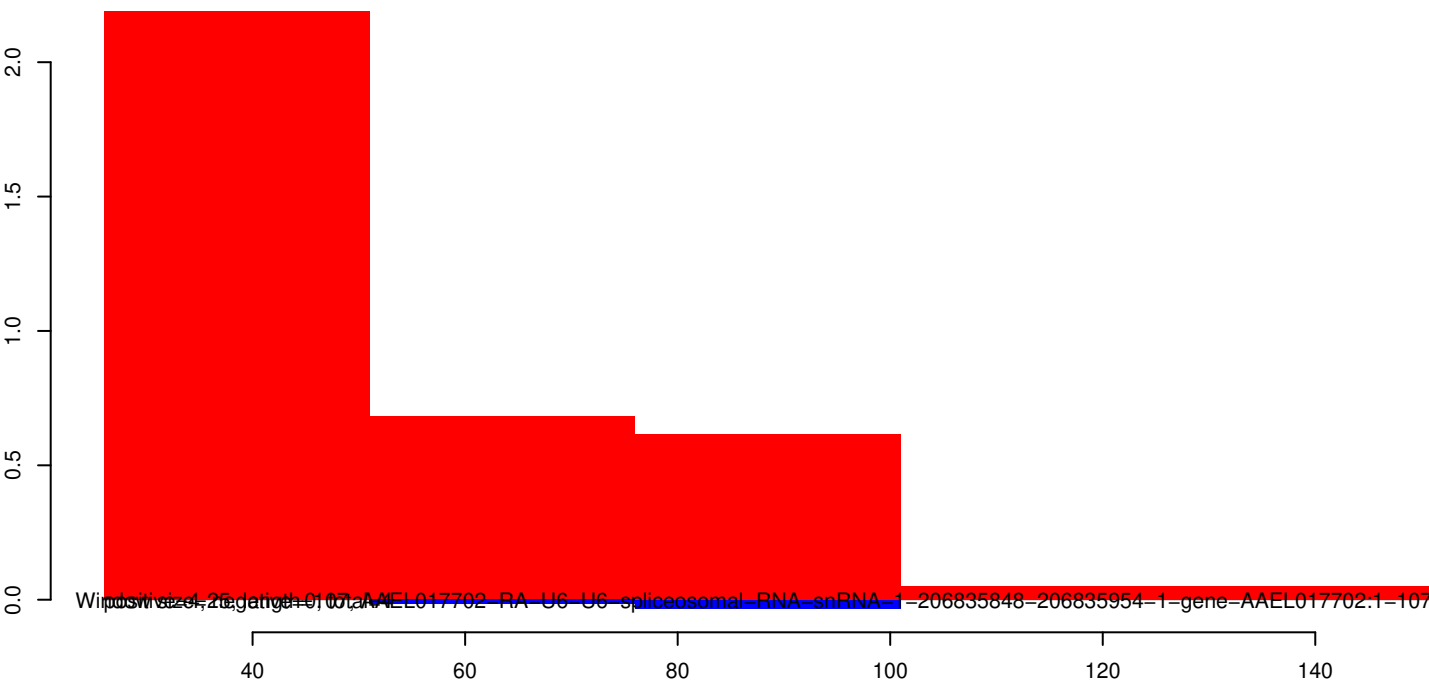
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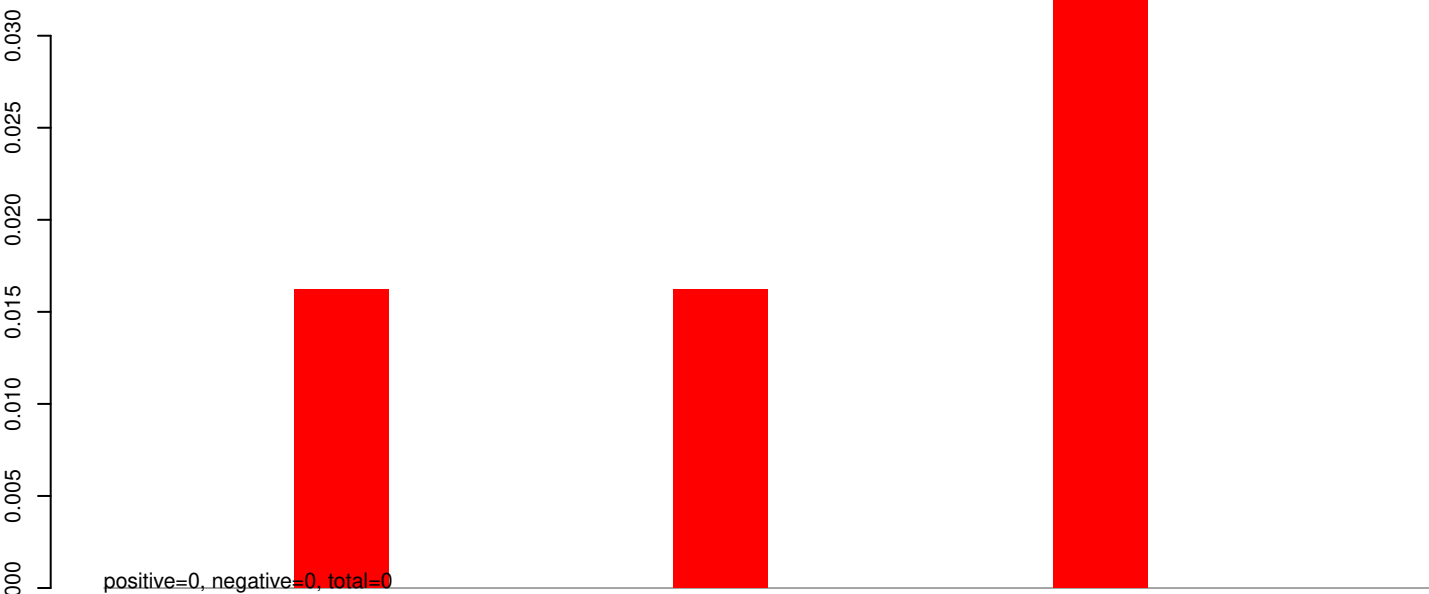
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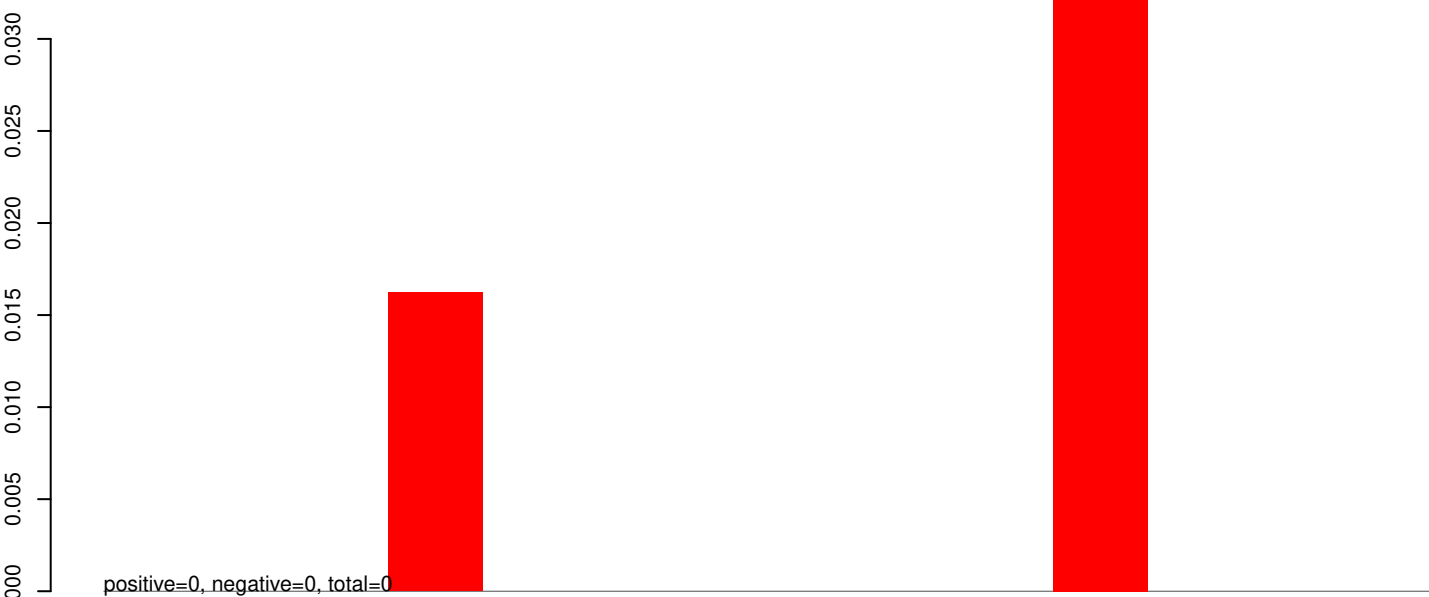
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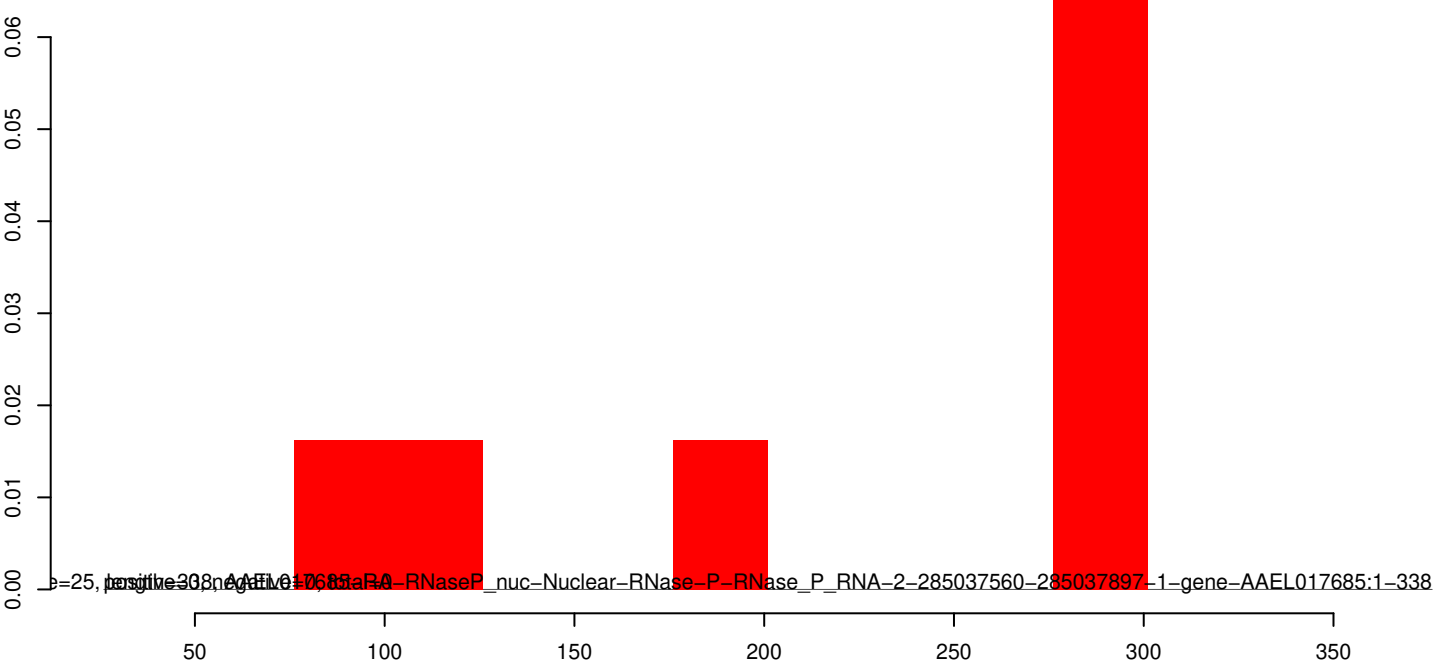
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AeAeg\_Aag2\_R2D2\_r123\_ZA.rep



AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep



AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep

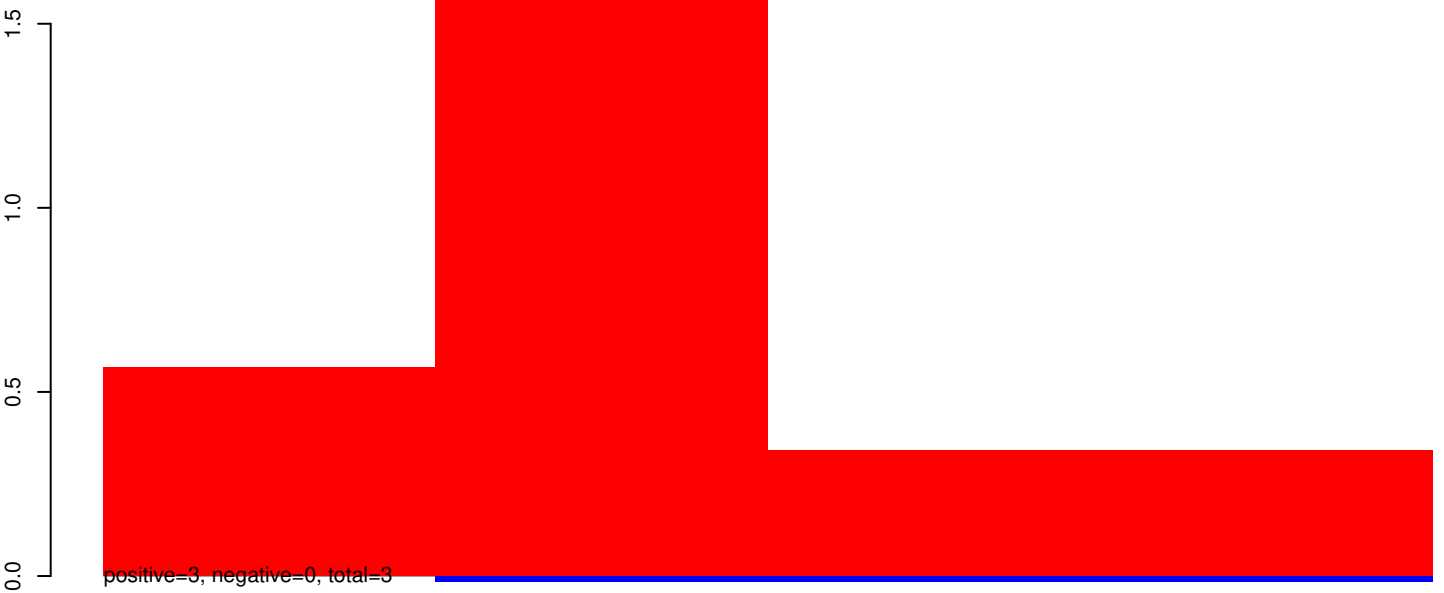


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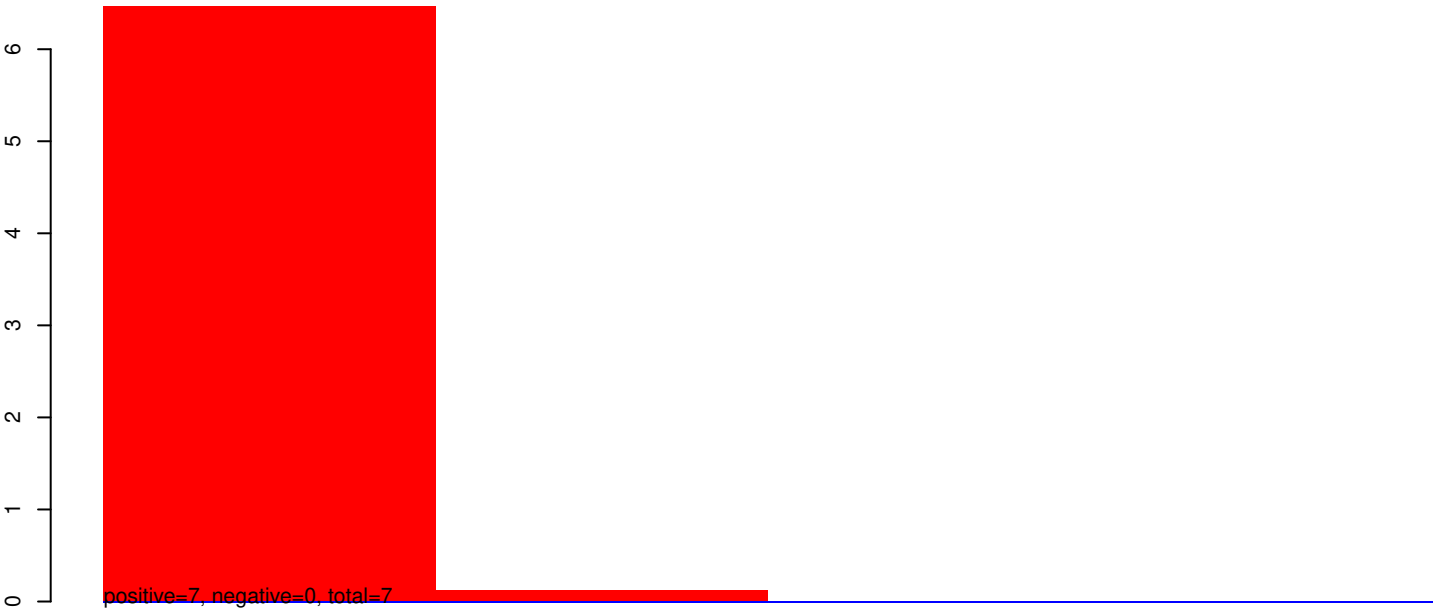


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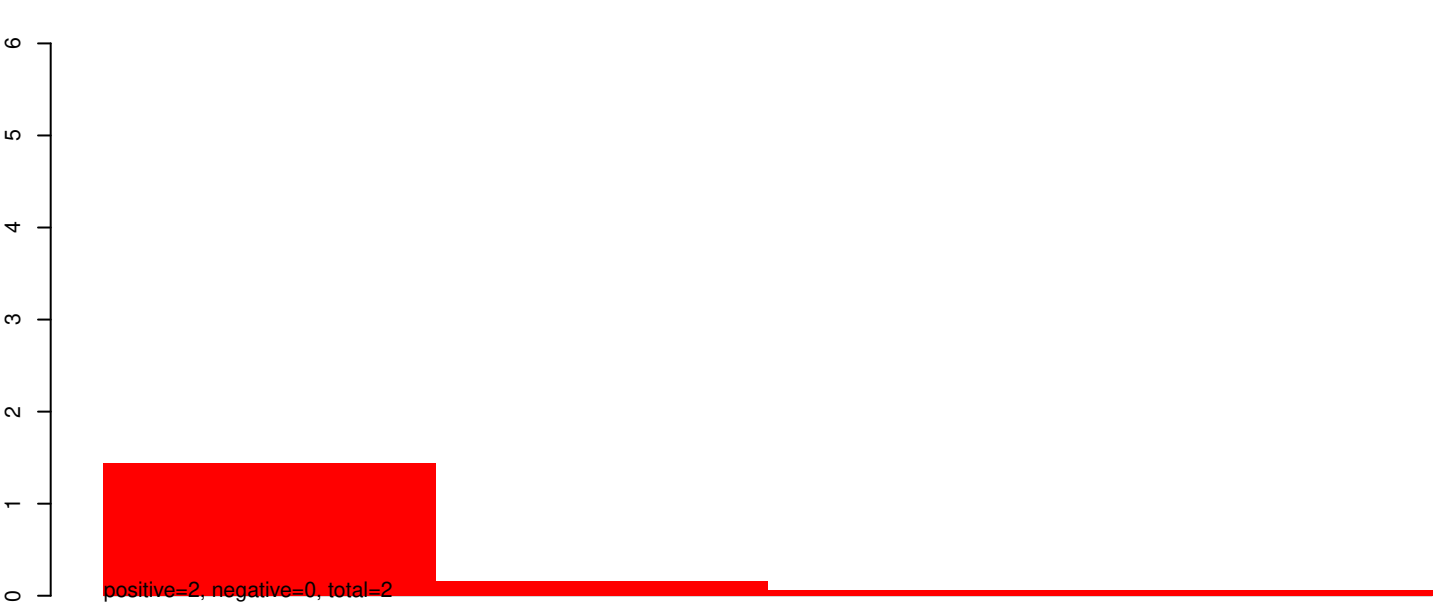


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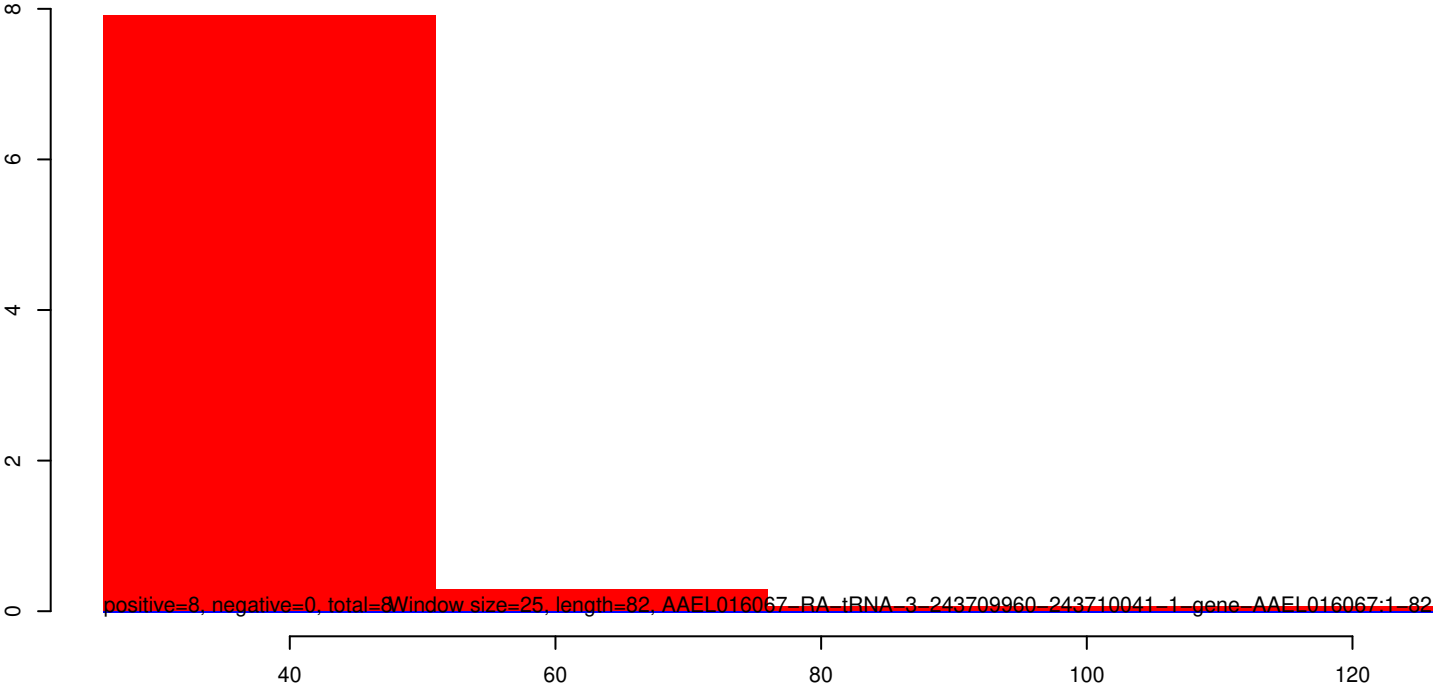
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AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep

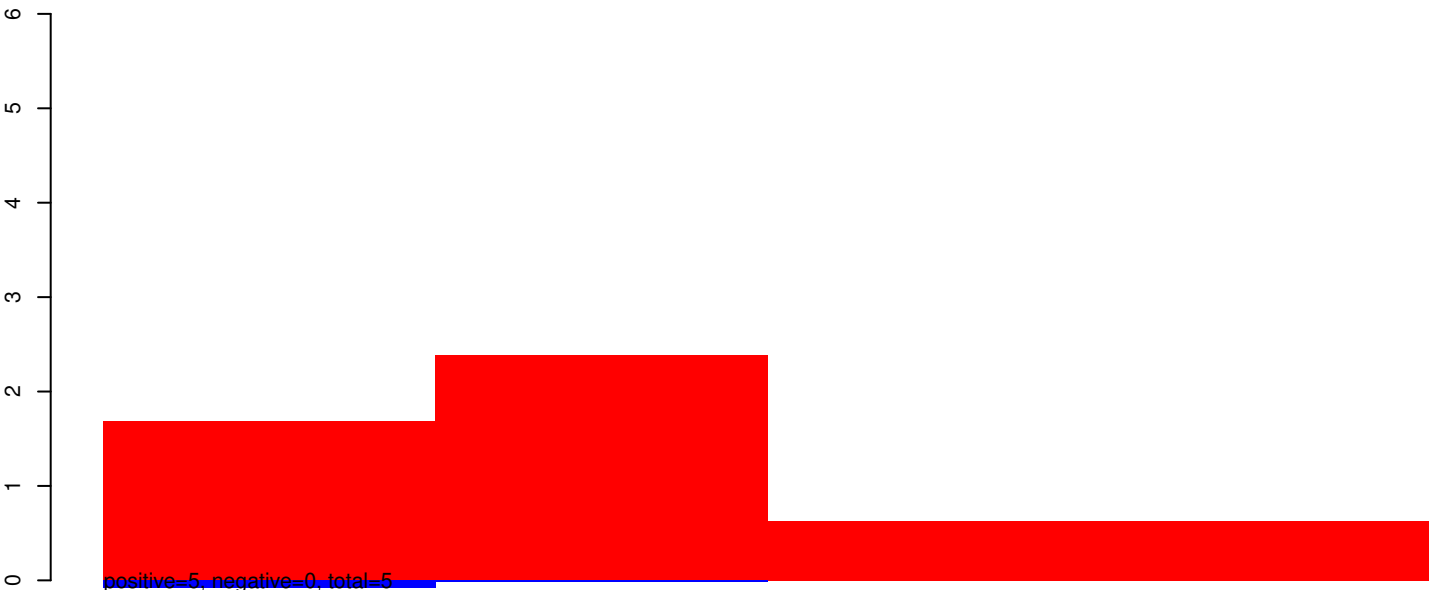


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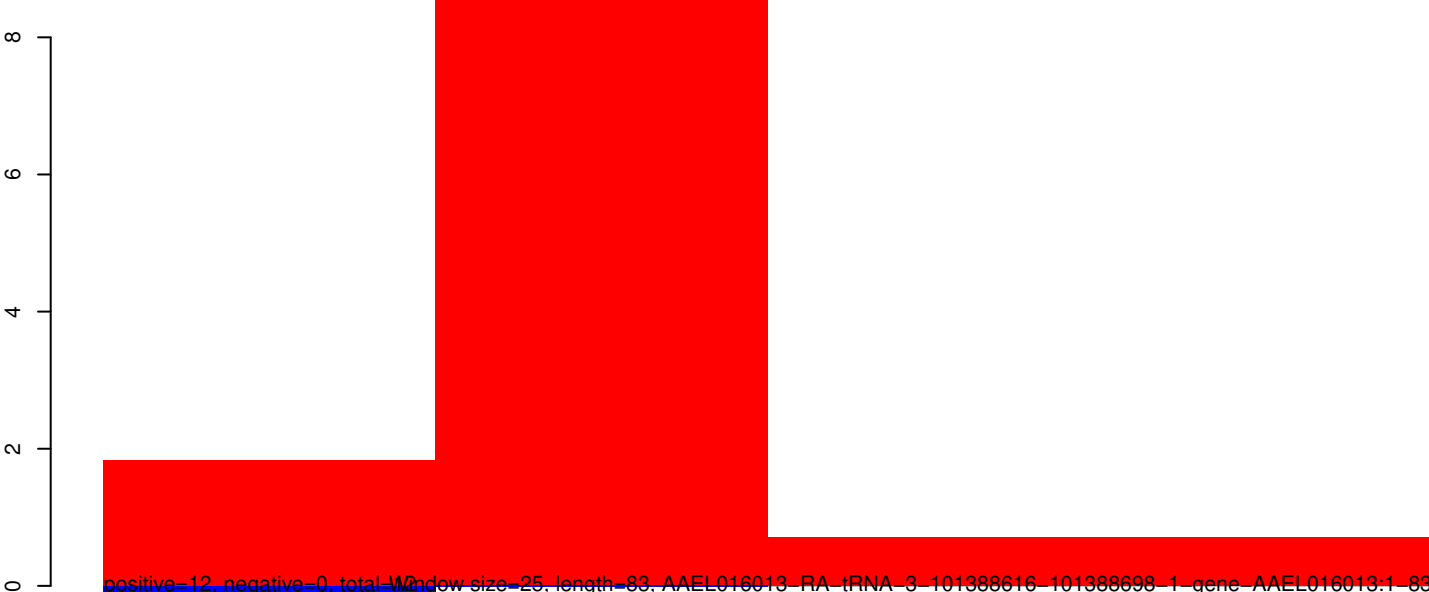
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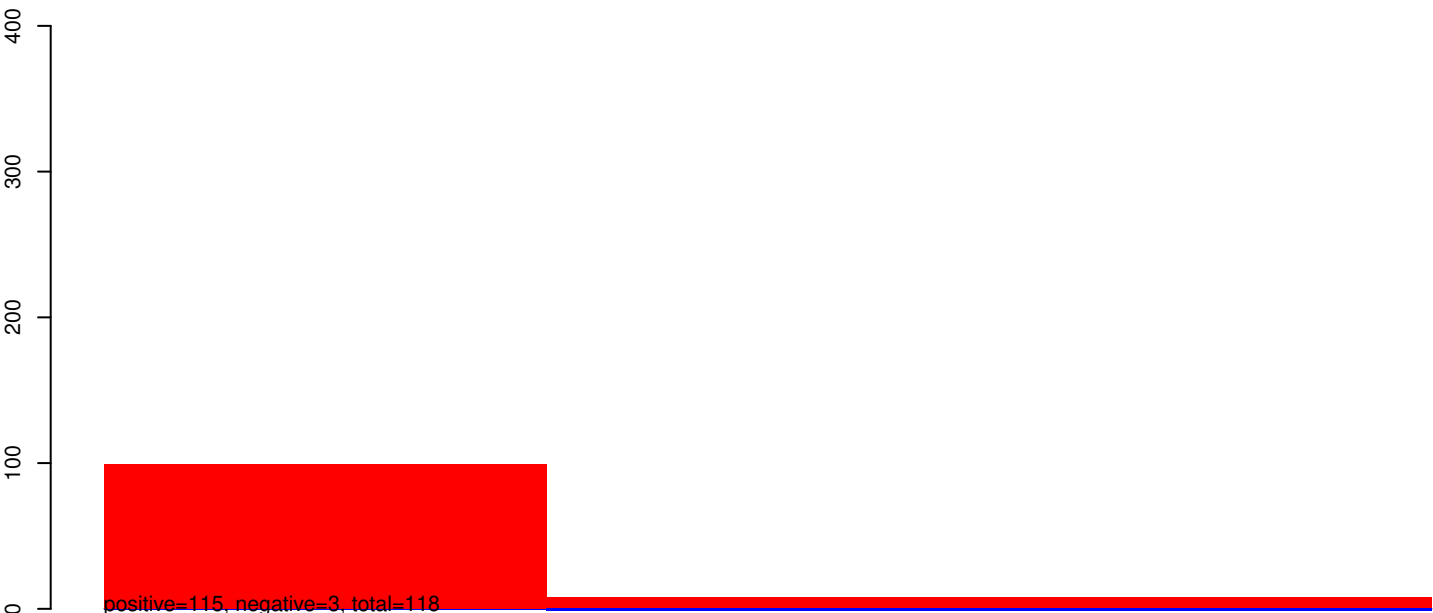
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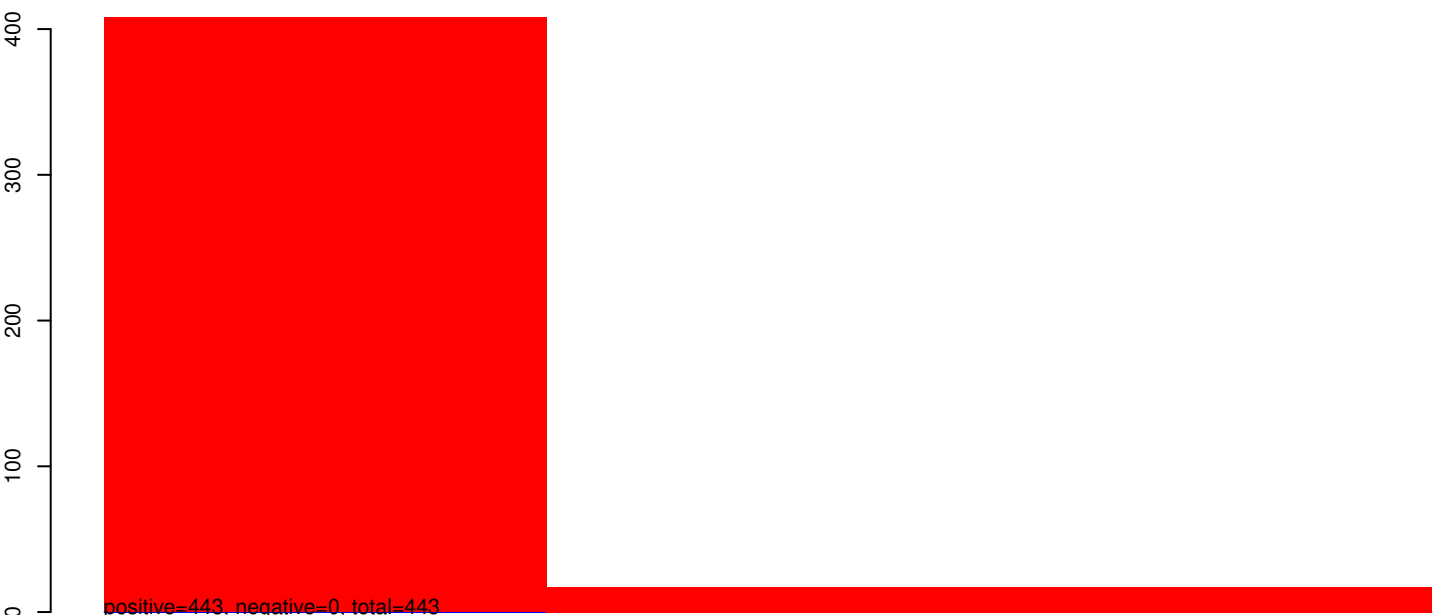
AeAeg\_Aag2\_R2D2\_r123\_ZA.rep



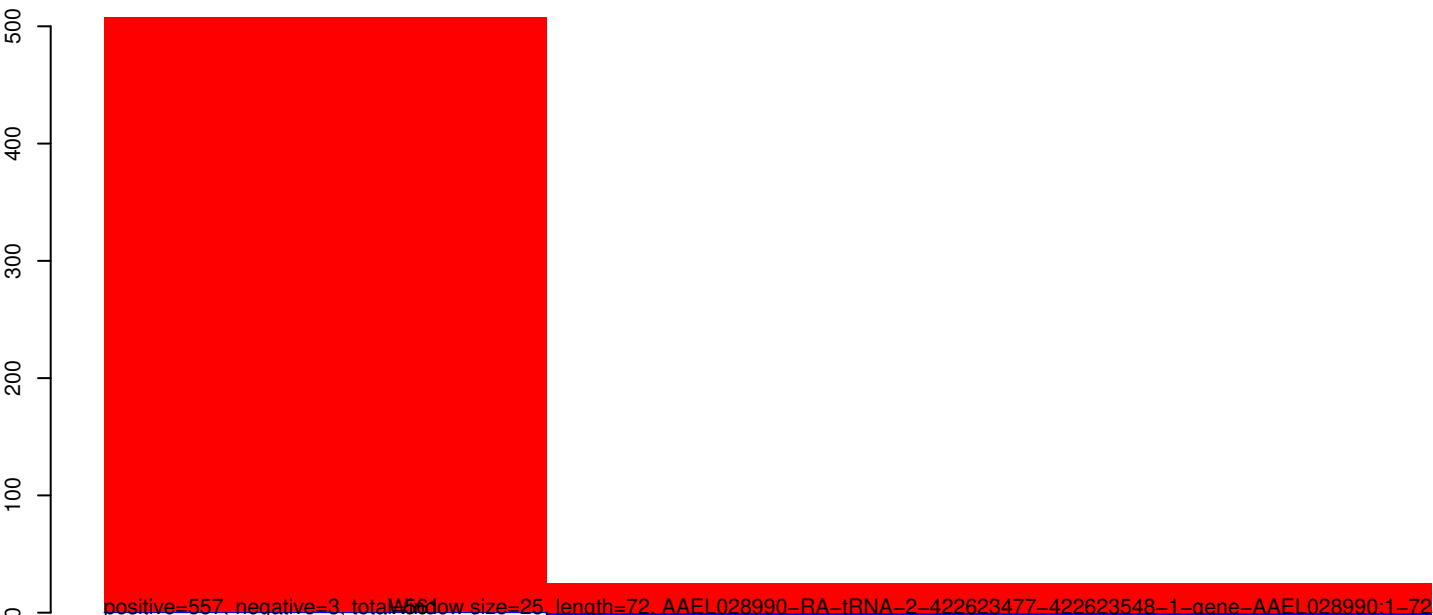
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AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep

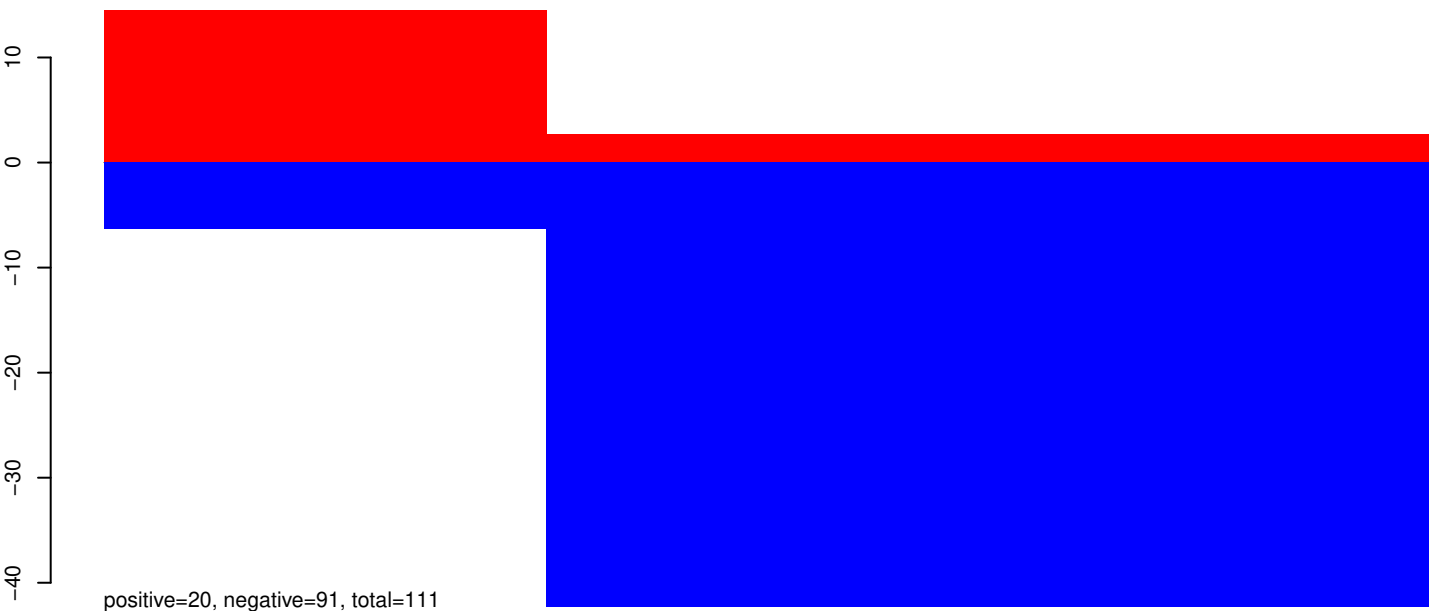


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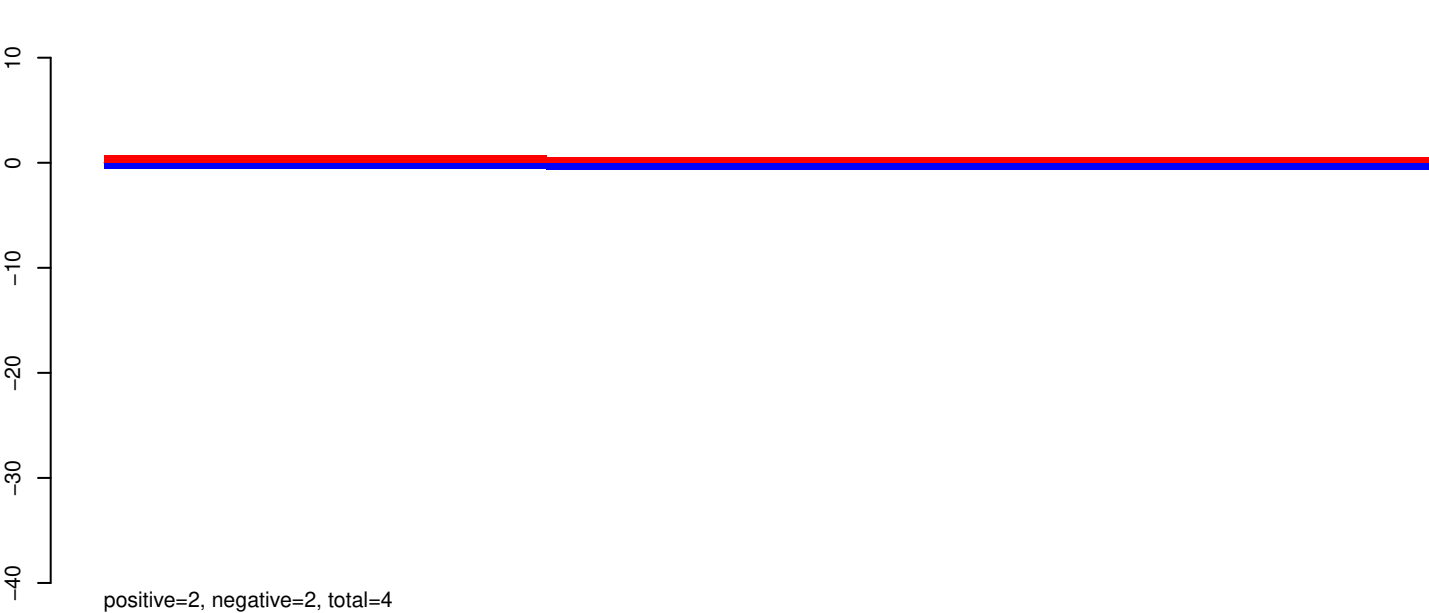


40 60 80 100

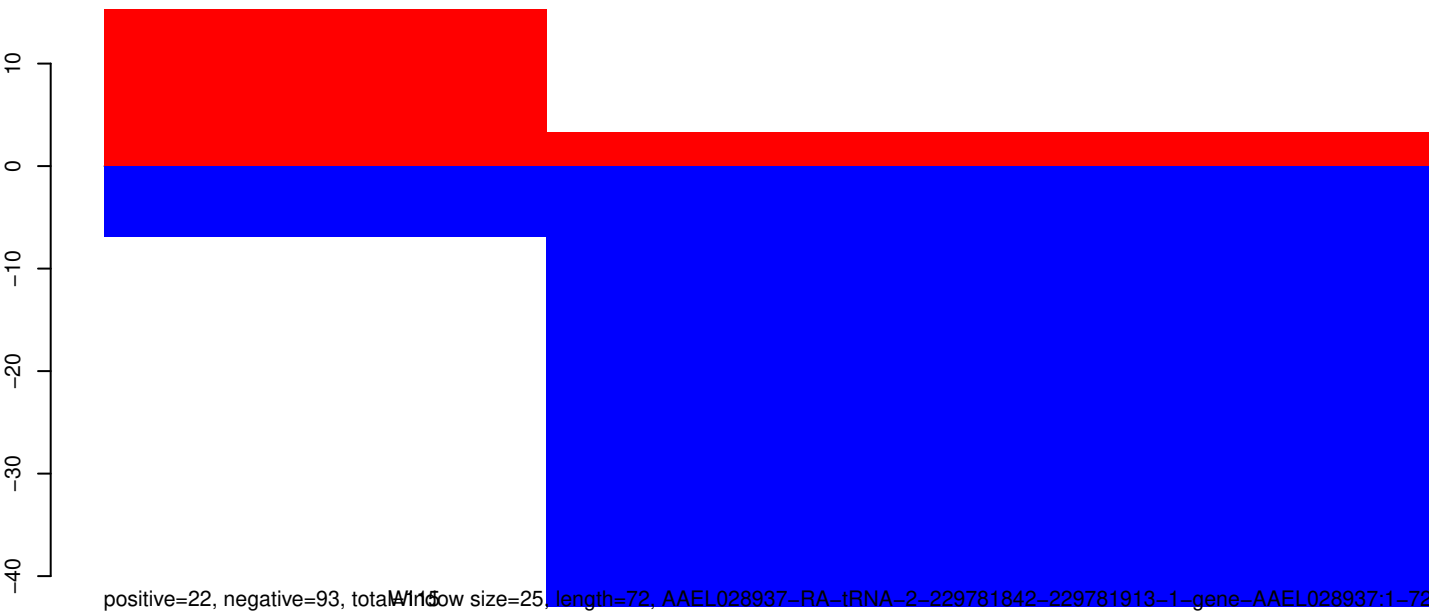
**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



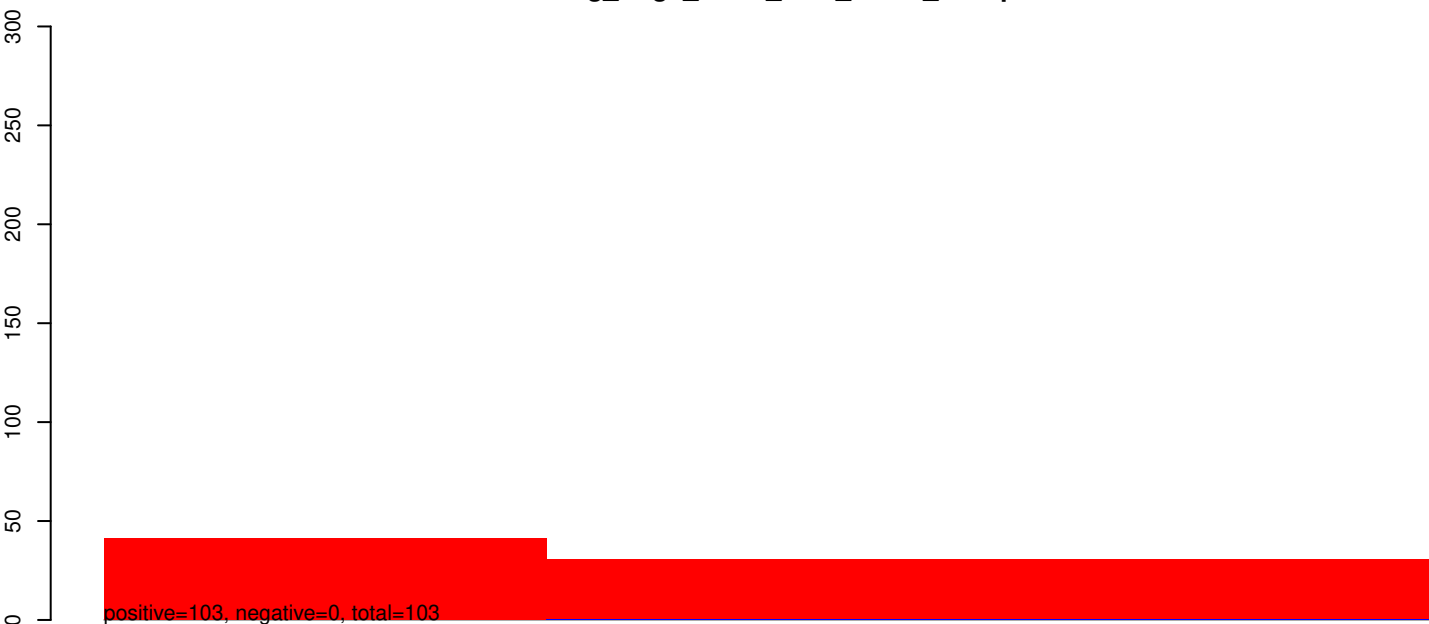
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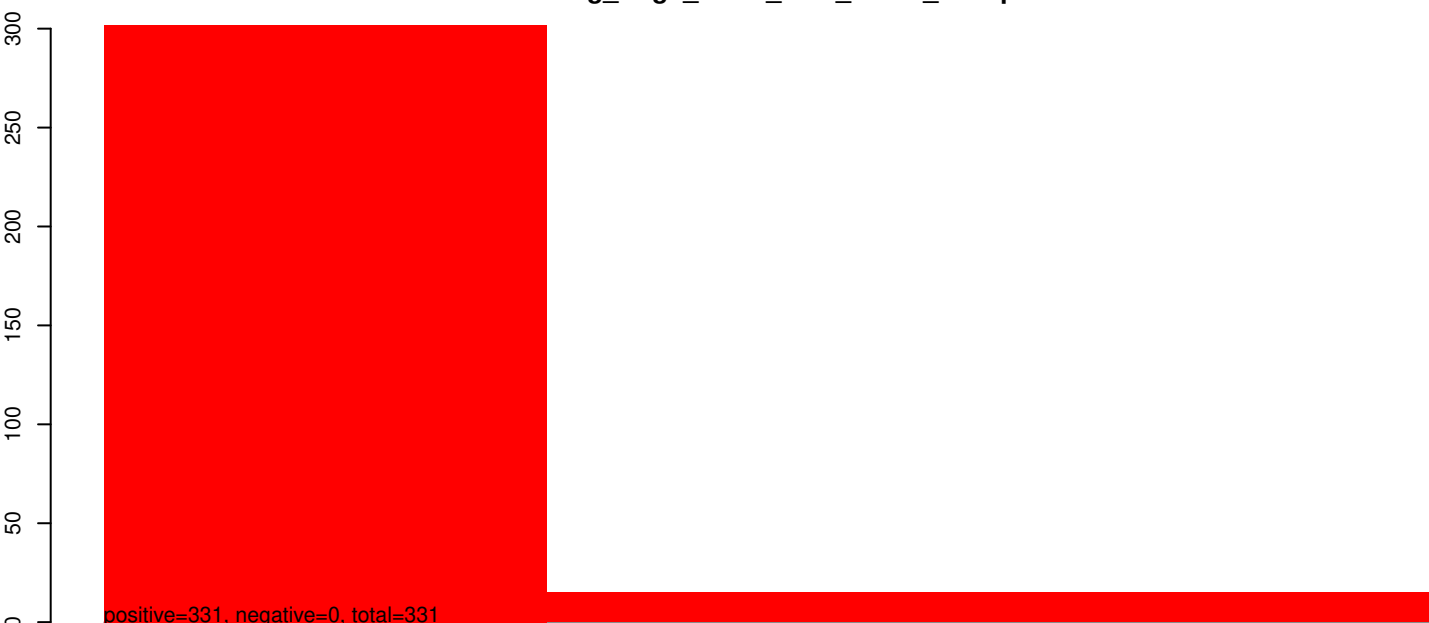
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AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep



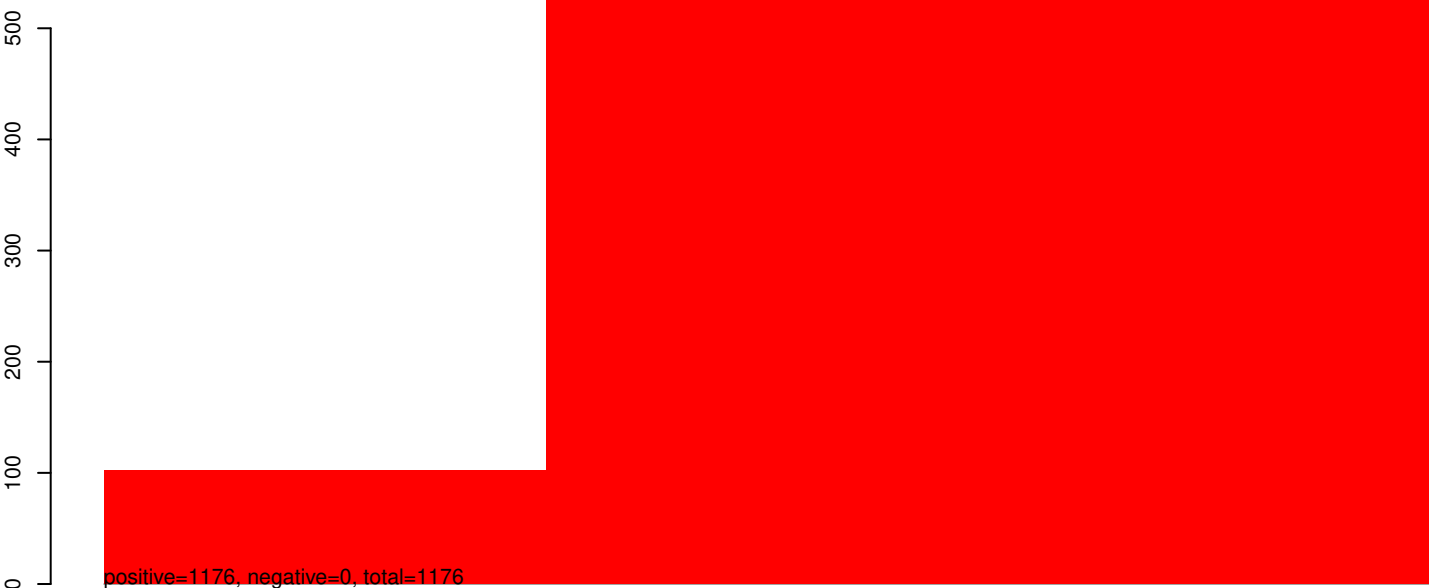
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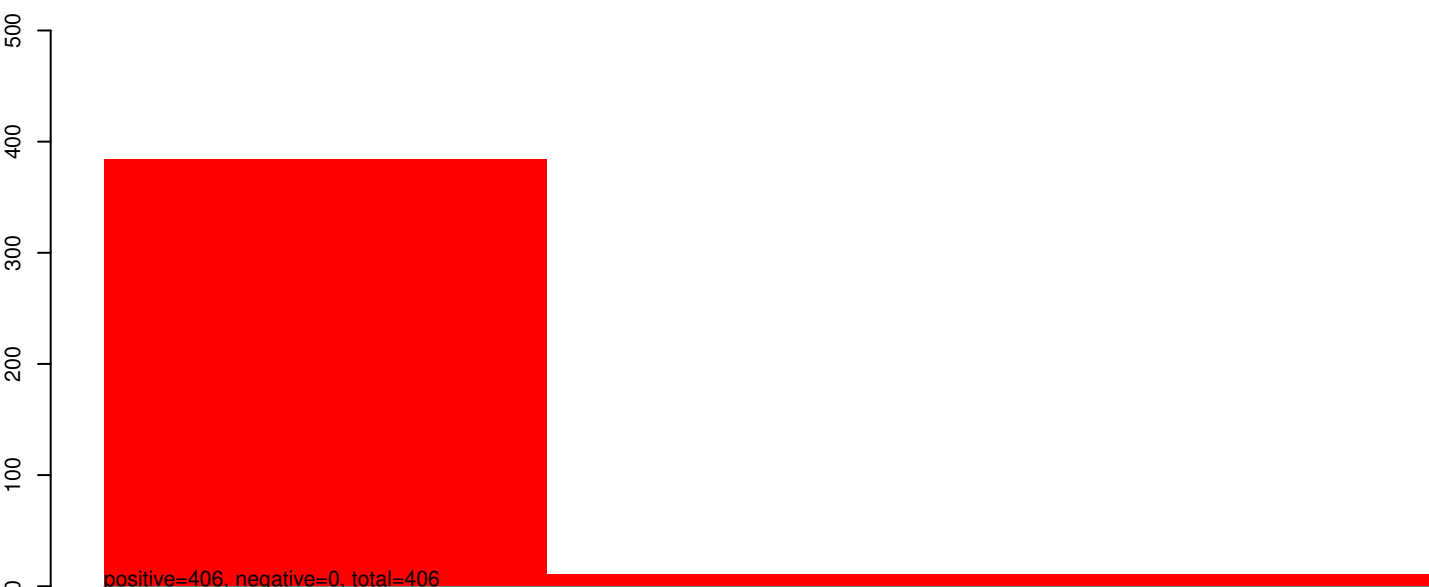
AeAeg\_Aag2\_R2D2\_r123\_ZA.rep



**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**

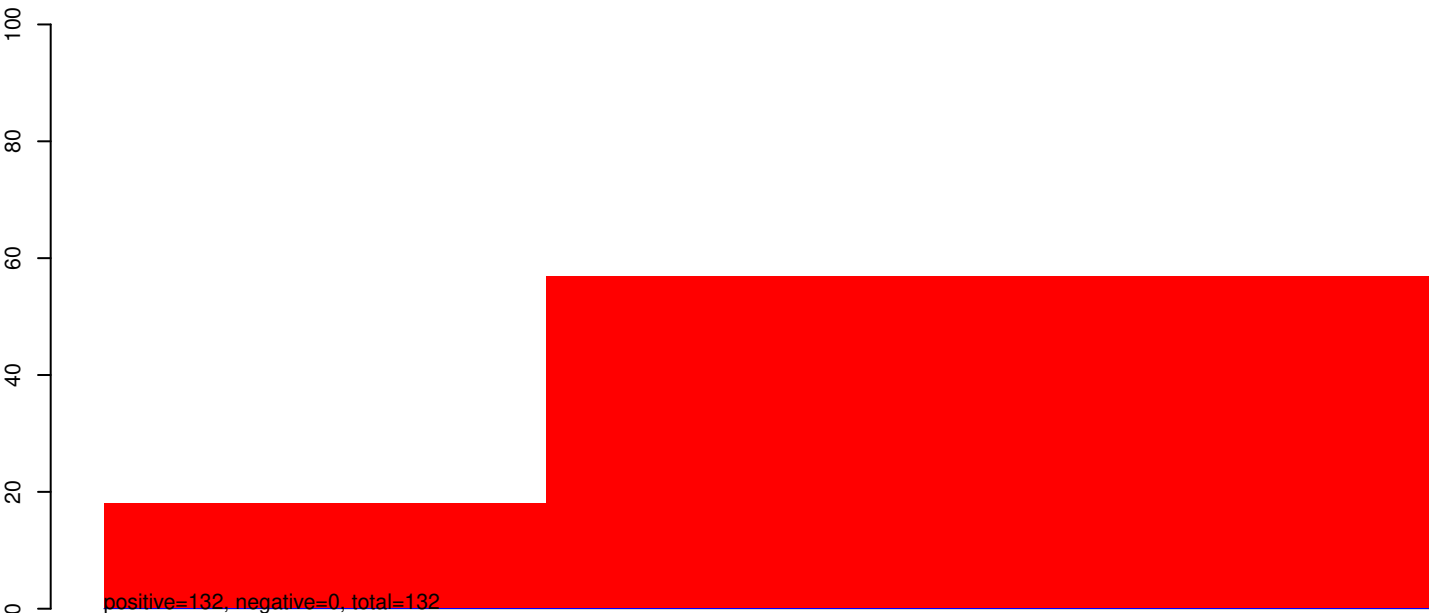


**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**

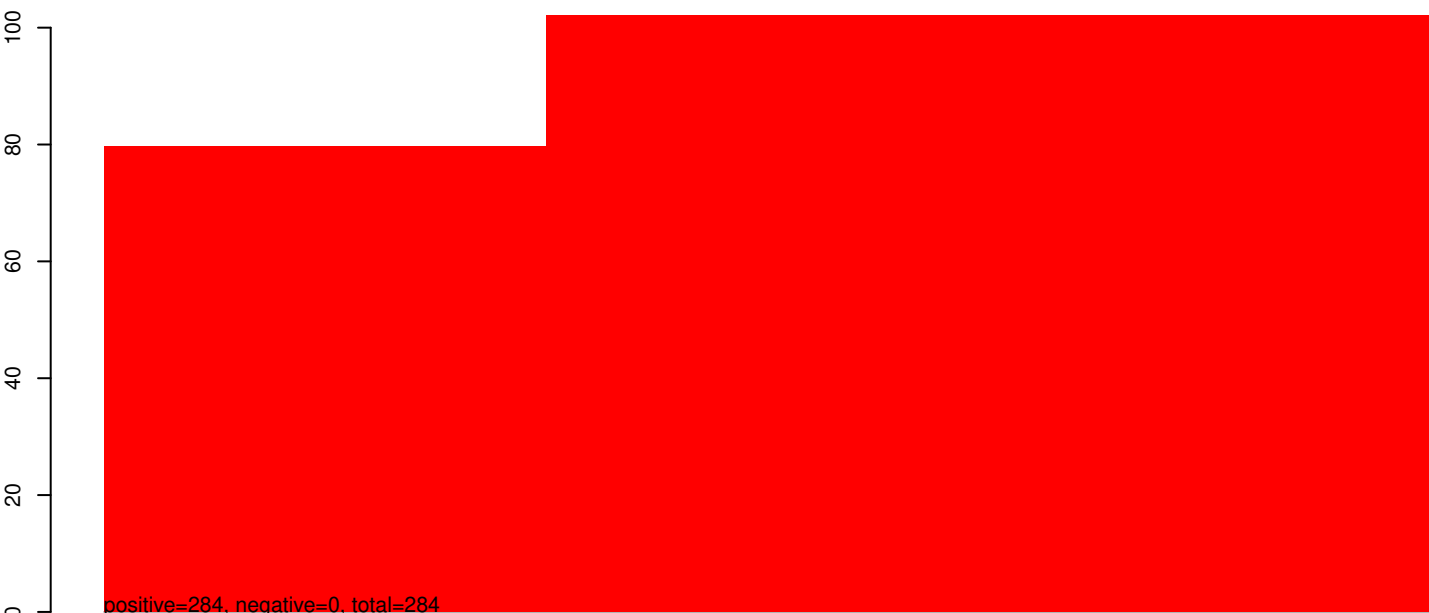


40 60 80 100  
window size=25, length=72, AAEL028931-RA-tRNA-2-55046956-55047027-1-gene-AAEL028931:1-72

**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**



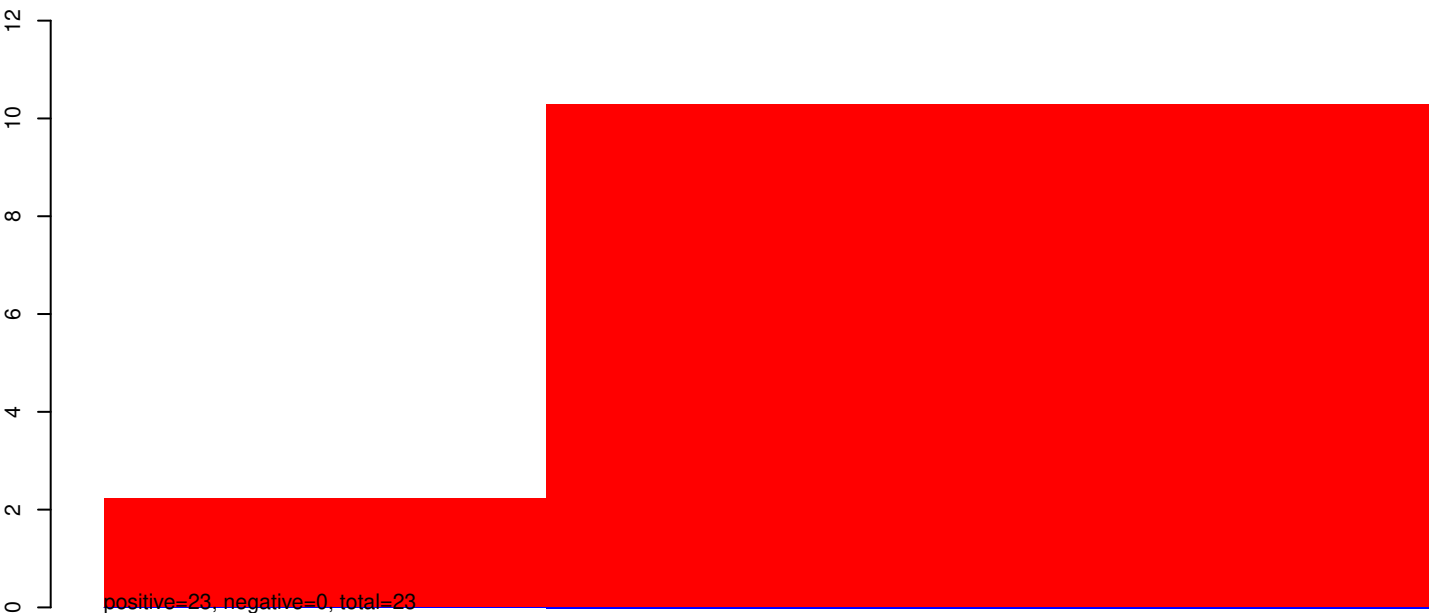
**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**



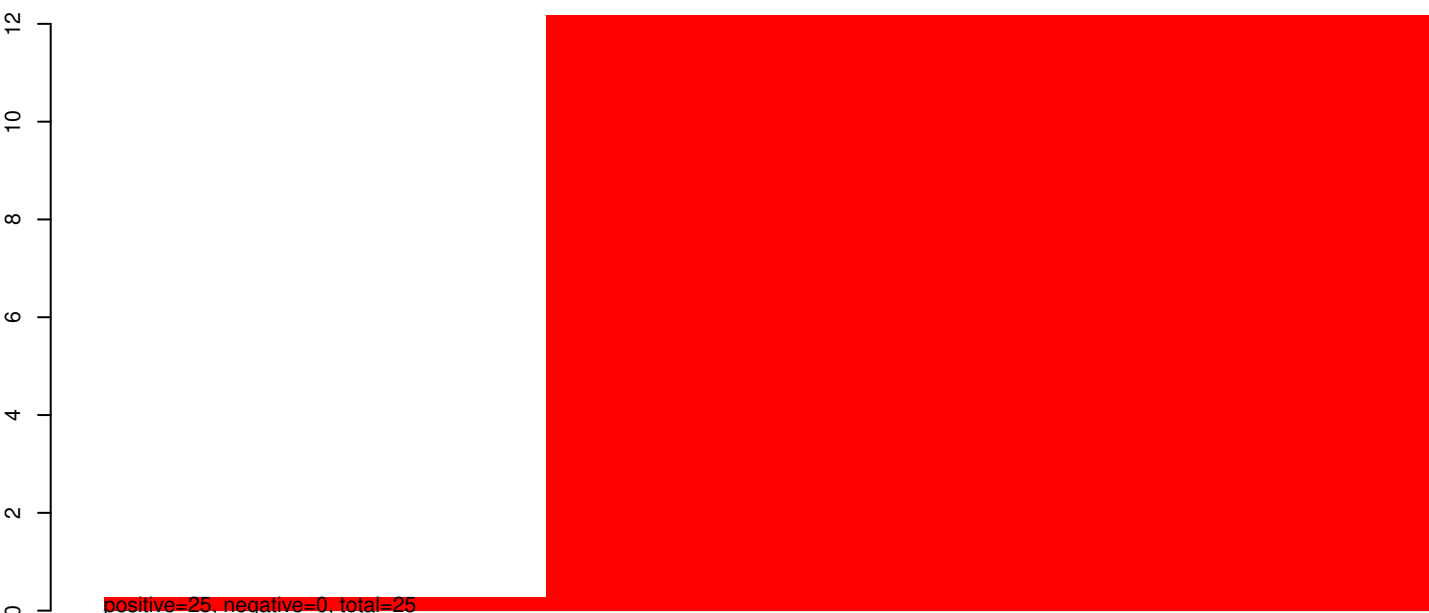
Window size=25, length=71, AAEL028918-RA-tRNA-3-100606301-100606371-1-gene-AAEL028918:1-71



AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep



AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep



AeAeg\_Aag2\_R2D2\_r123\_ZA.rep

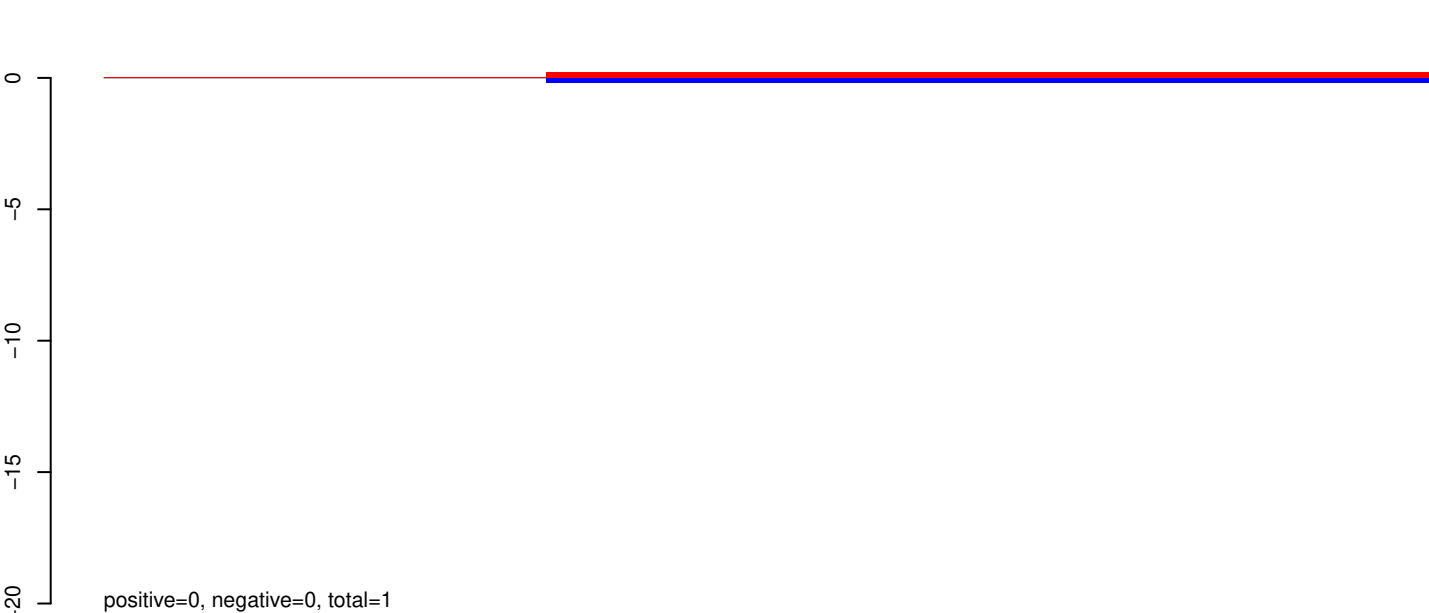


Window size=25, length=73, AAEL028693-RA-tRNA-3-100605474-100605546-1-gene-AAEL028693:1-73

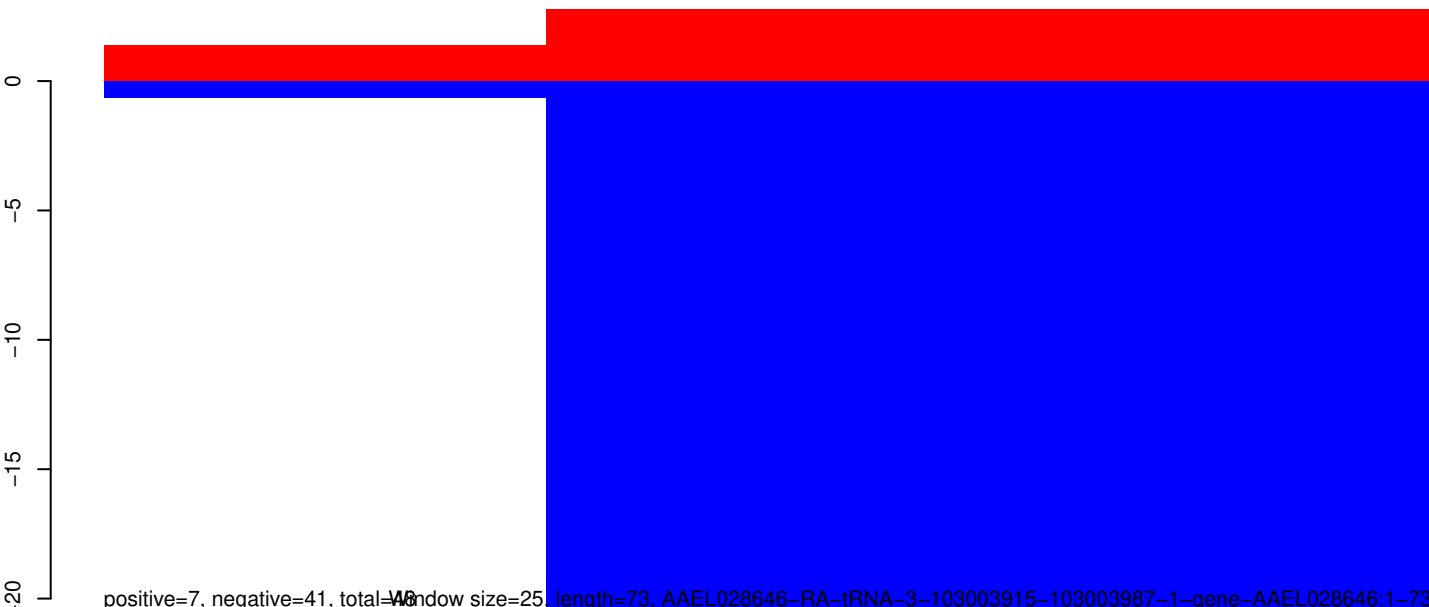
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AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep



AeAeg\_Aag2\_R2D2\_r123\_ZA.rep

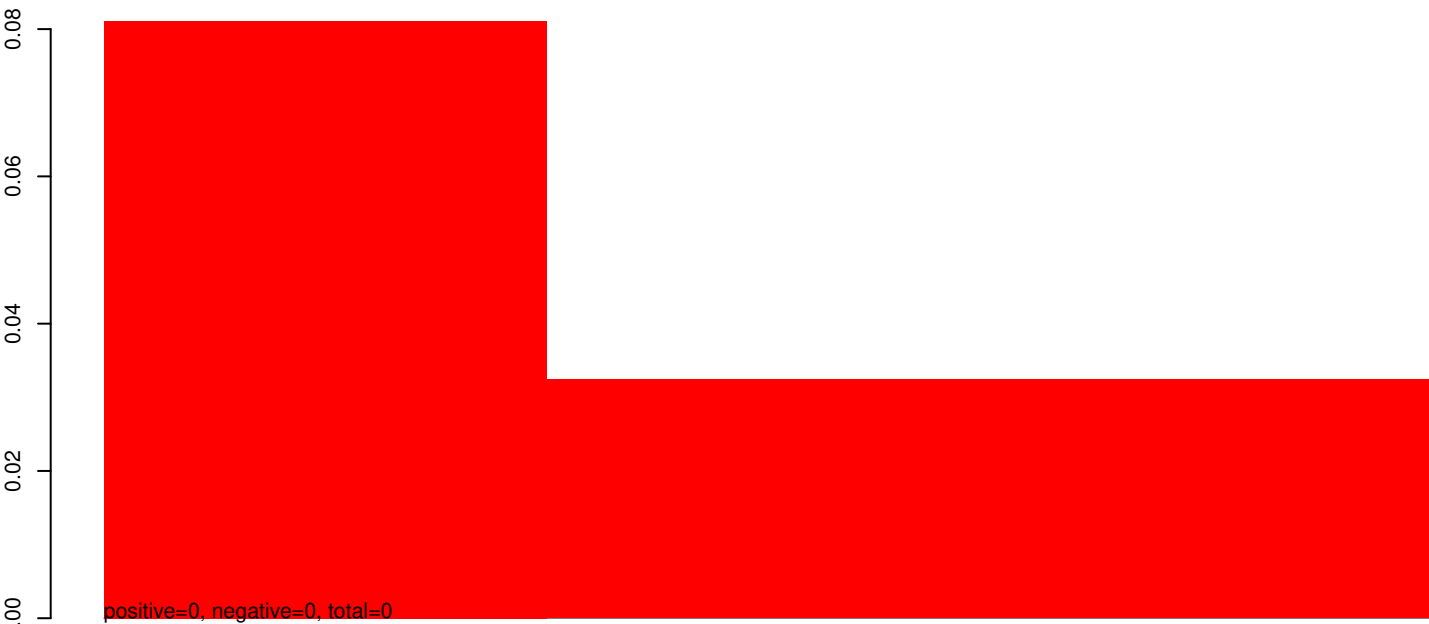


40 60 80 100

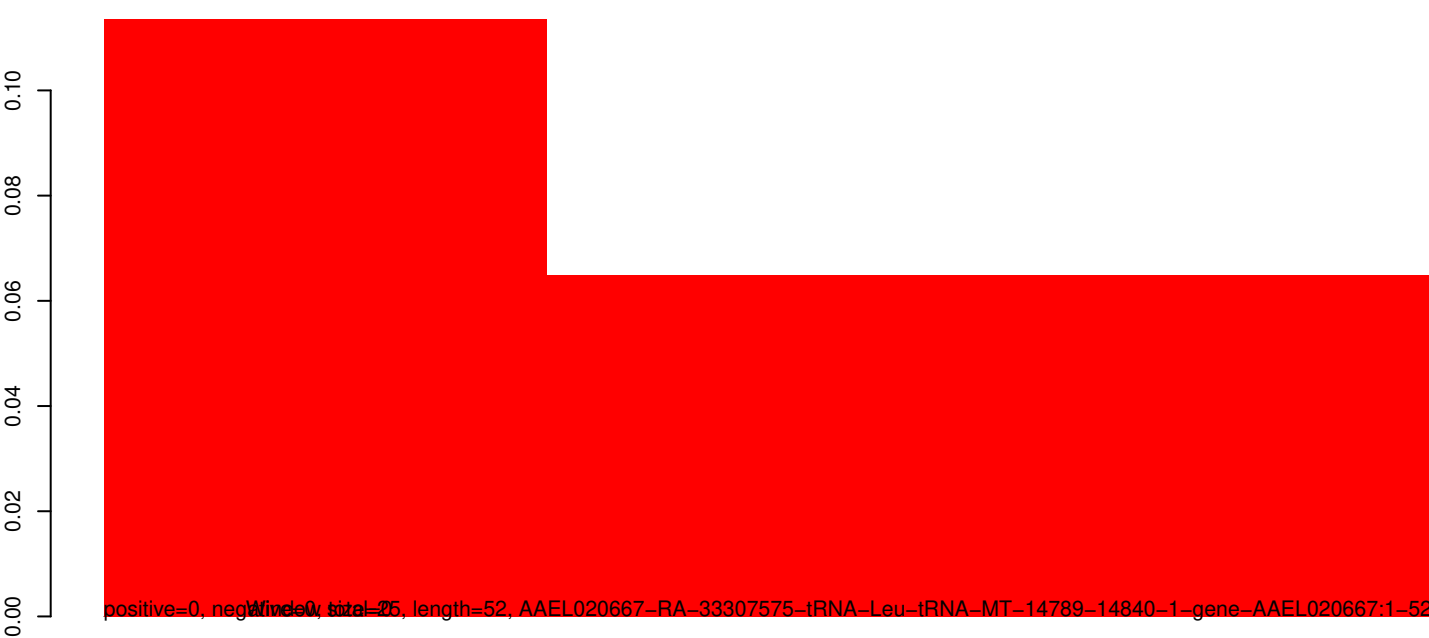
**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**



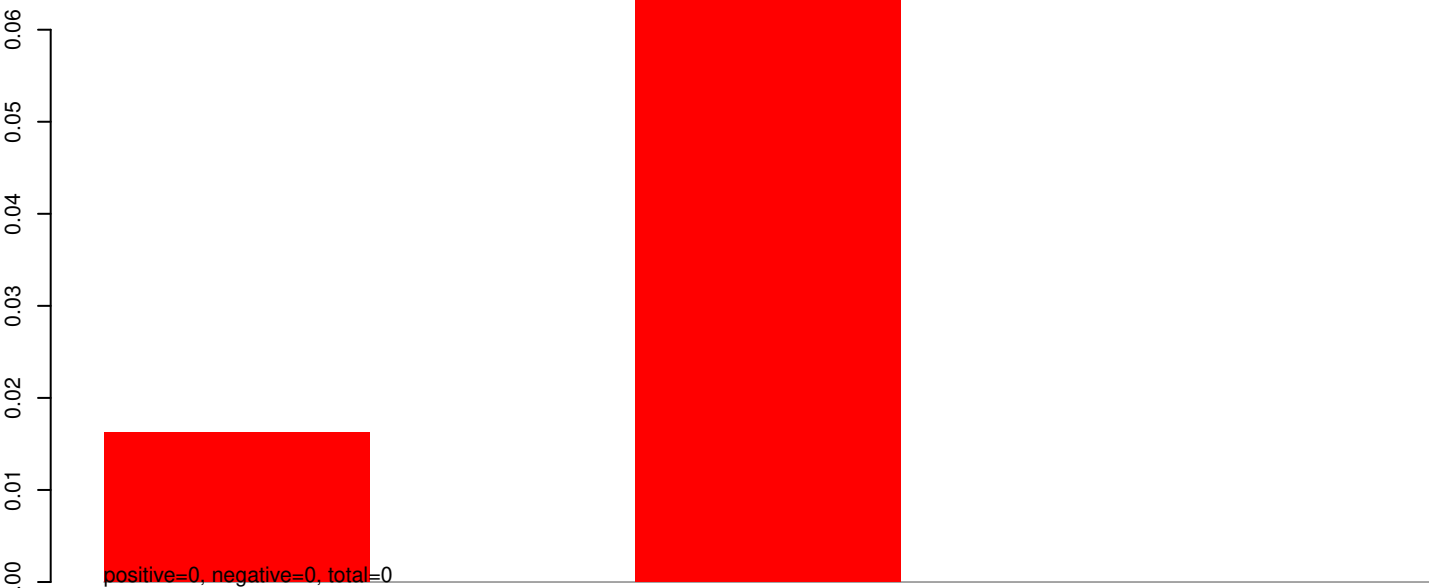
**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**



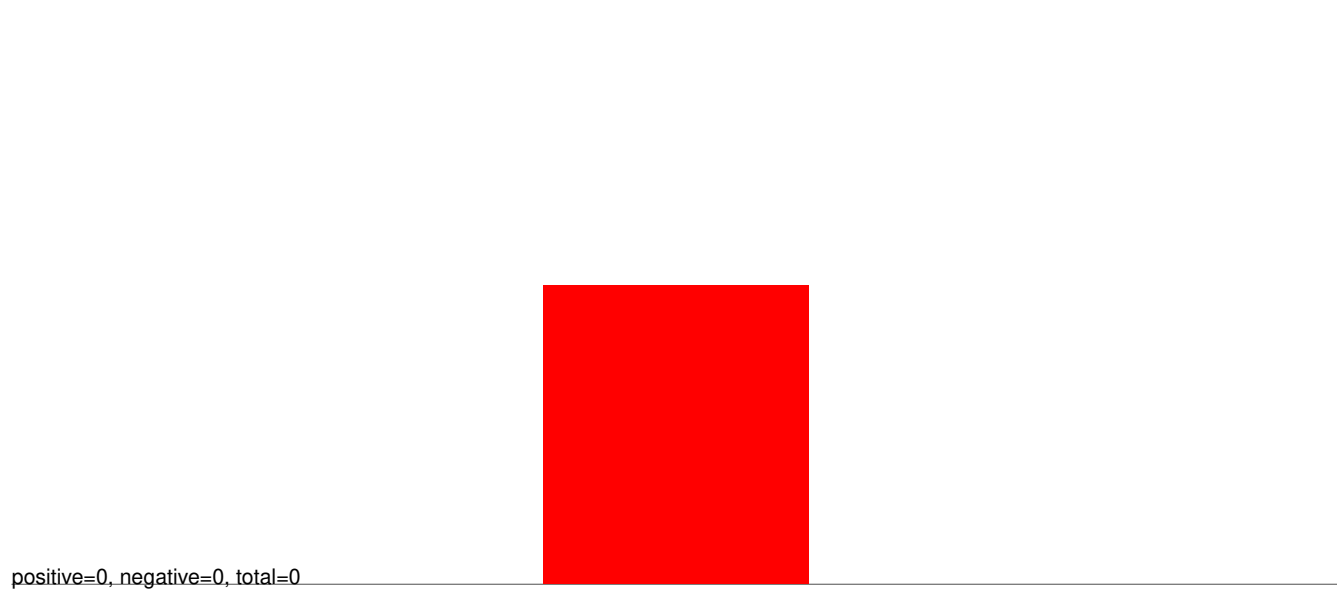
positive=0, negative=0, total=0, window\_size=25, length=52, AAEL020667-RA-33307575-tRNA-Leu-tRNA-MT-14789-14840-1-gene-AAEL020667:1-52

40 60 80 100

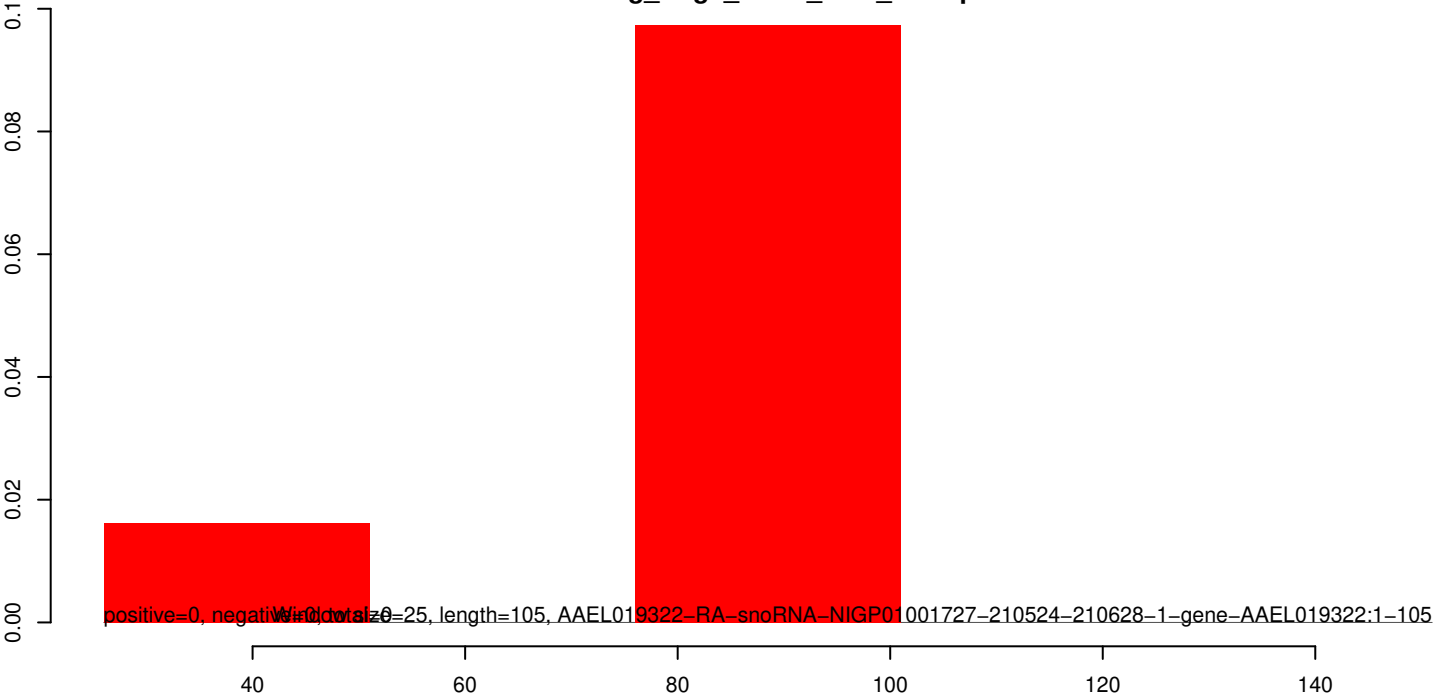
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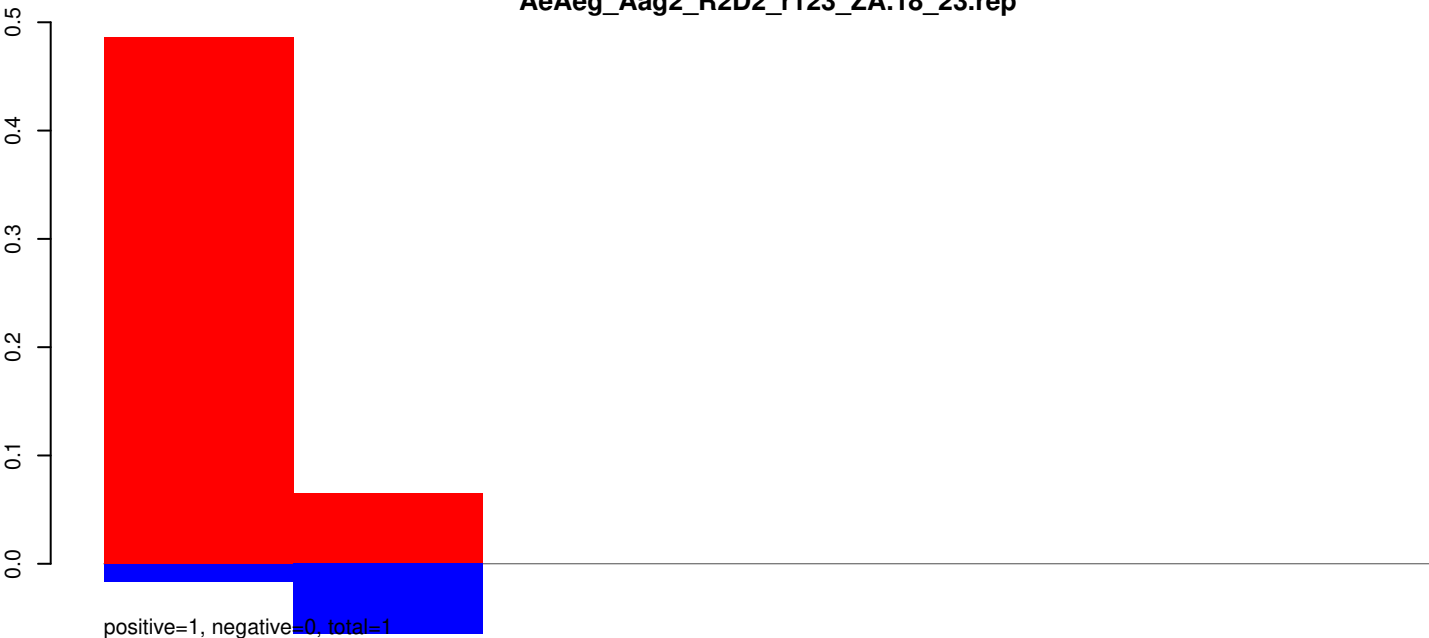
AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep



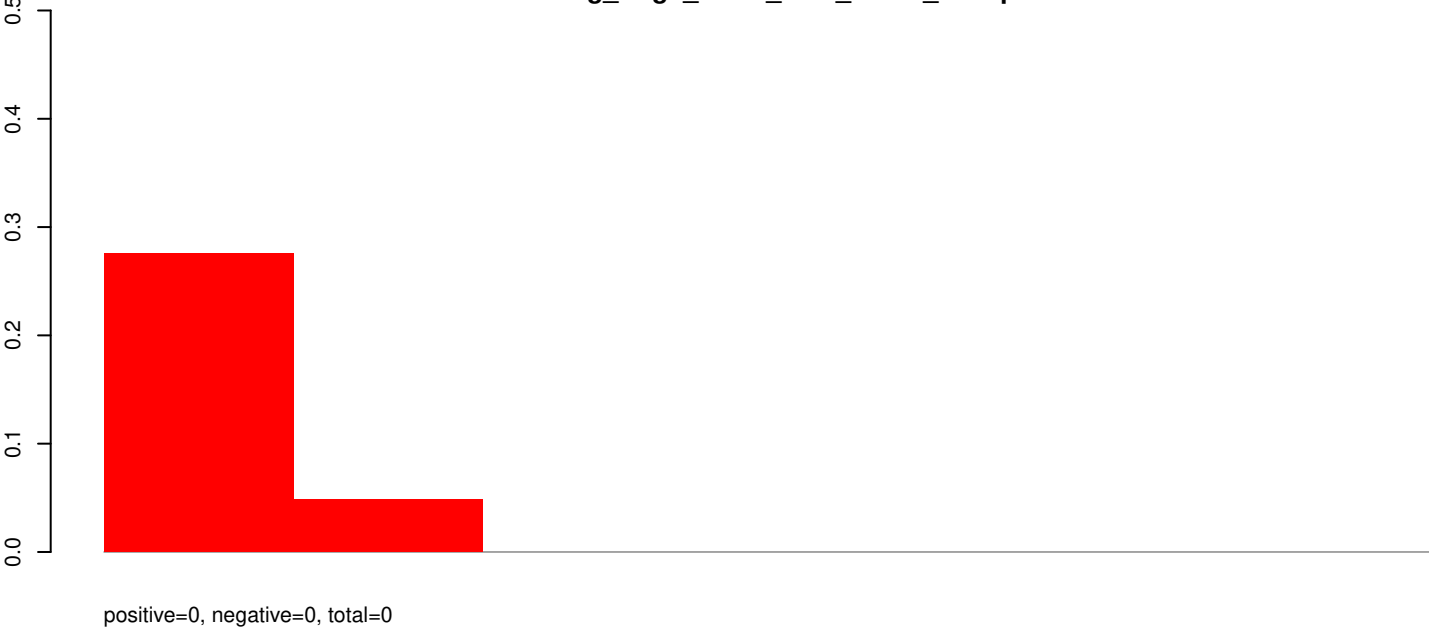
AeAeg\_Aag2\_R2D2\_r123\_ZA.rep



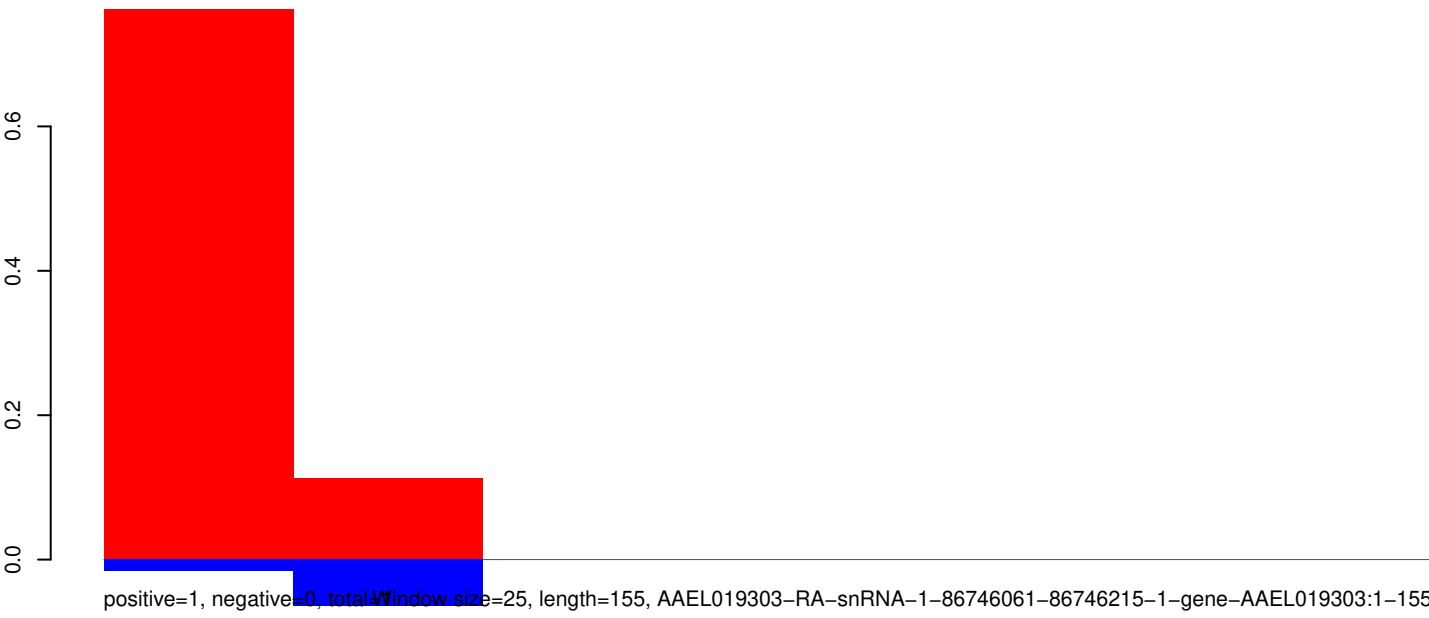
**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**



**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**



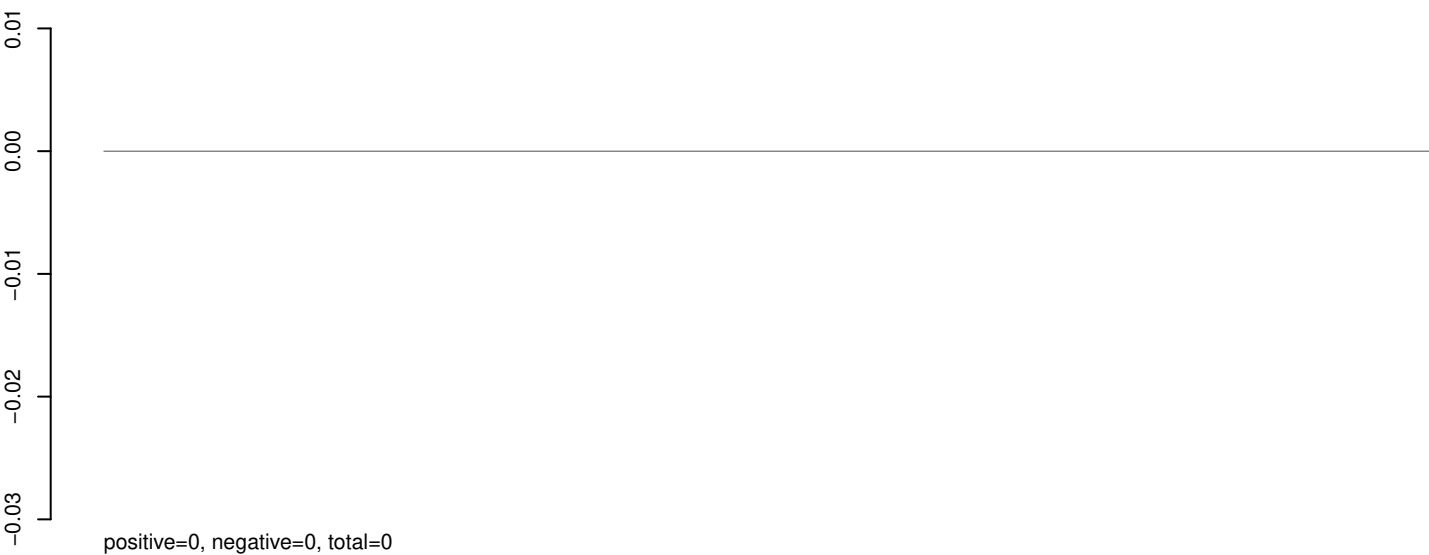
Window size=25, length=155, AAEL019303-RA-snrRNA-1-86746061-86746215-1-gene-AAEL019303:1-155

50 100 150 200

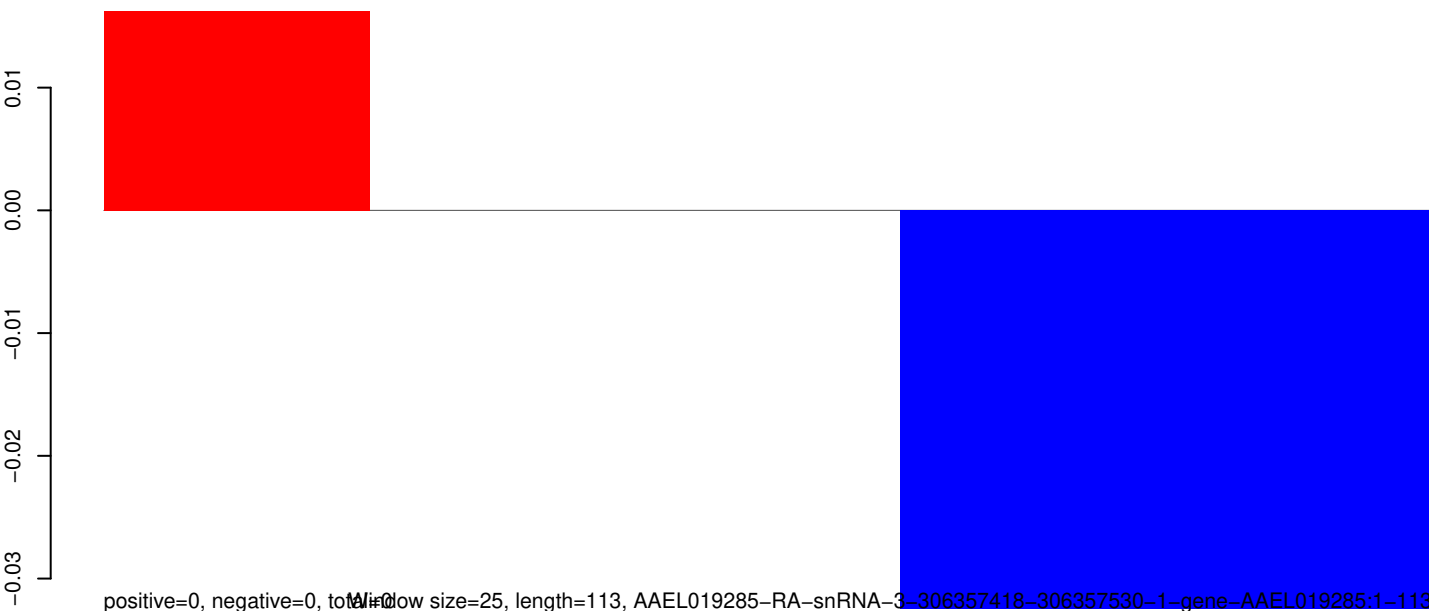
**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**



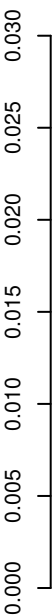
**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**



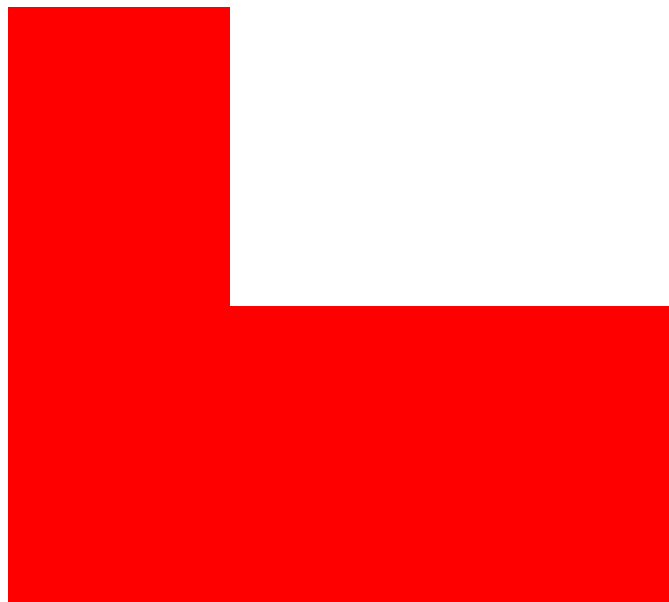
positive=0, negative=0, total=0

40 60 80 100 120 140

**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



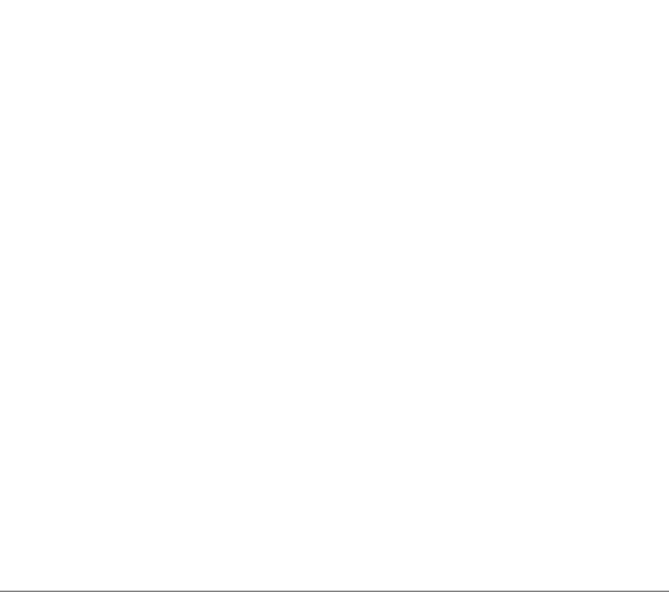
positive=0, negative=0, total=0



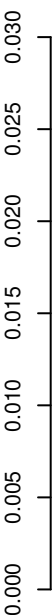
**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**



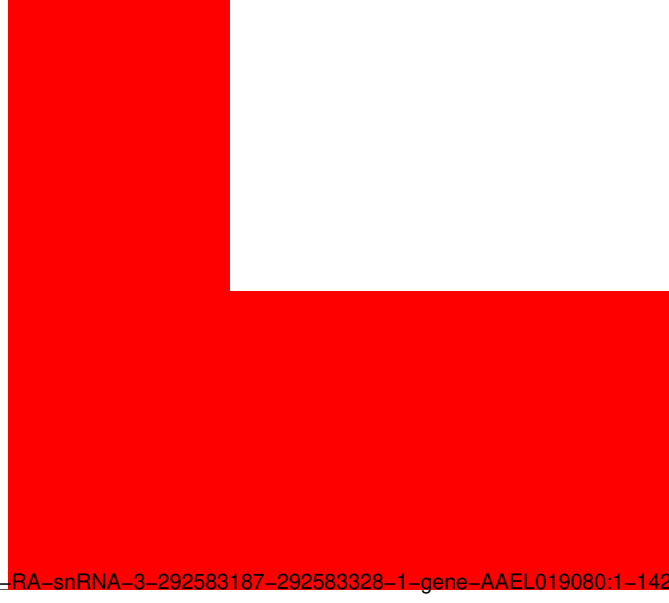
positive=0, negative=0, total=0



**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**



positive=0, negative=0, total=0, window size=25, length=142, AAEL019080-RA-sncRNA-3-292583187-292583328-1-gene-AAEL019080:1-142



50

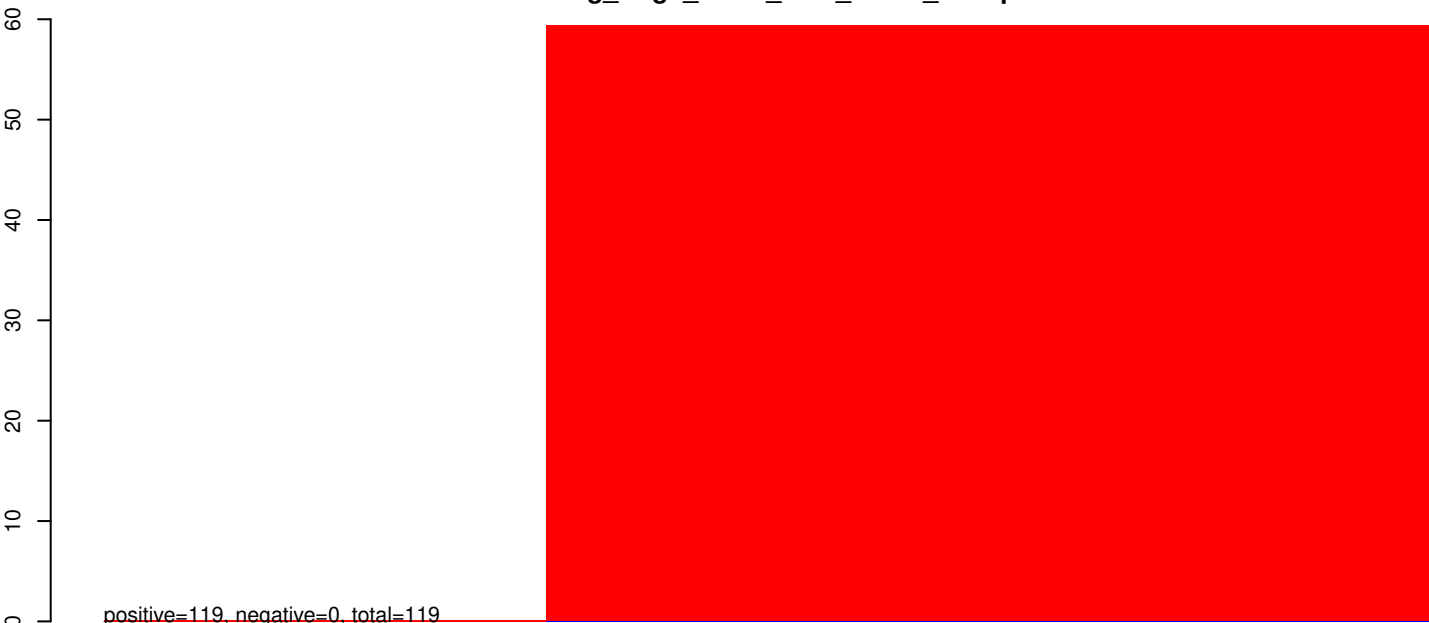
100

150

**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**



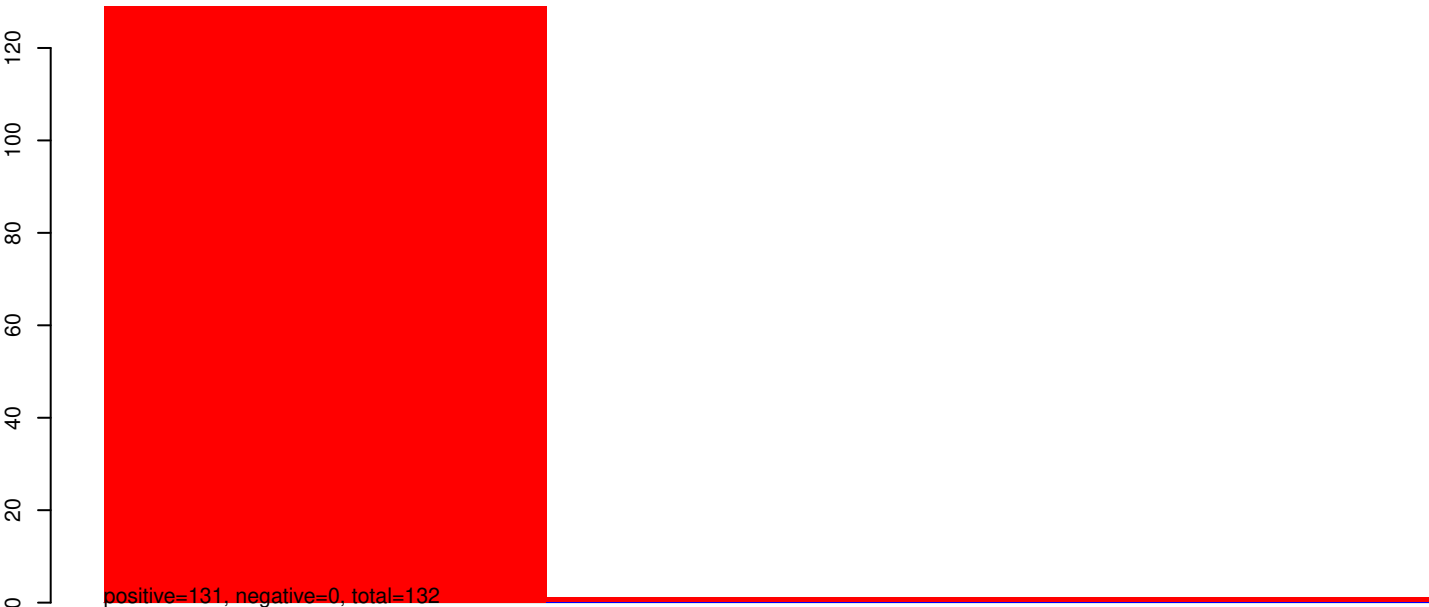
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40 60 80 100  
A133 low size=25, length=73, AAEL018936-RA-tRNA-2-191424418-191424490-1-gene-AAEL018936:1-73



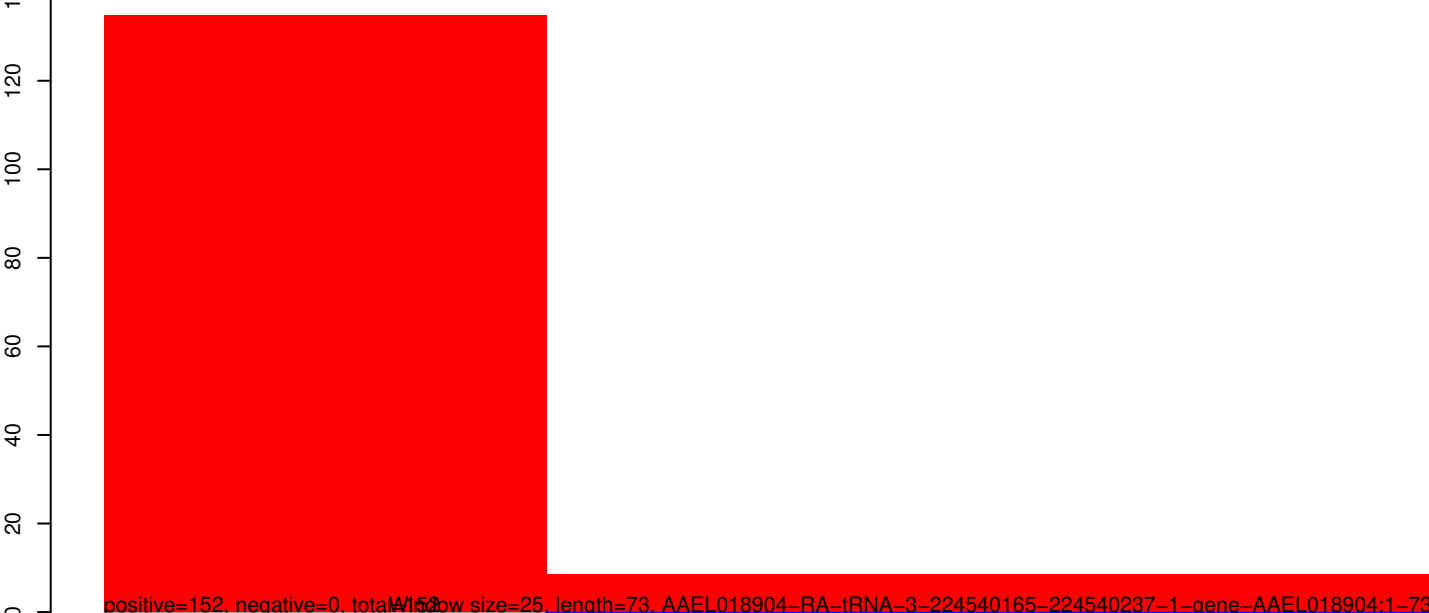
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**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**



**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**

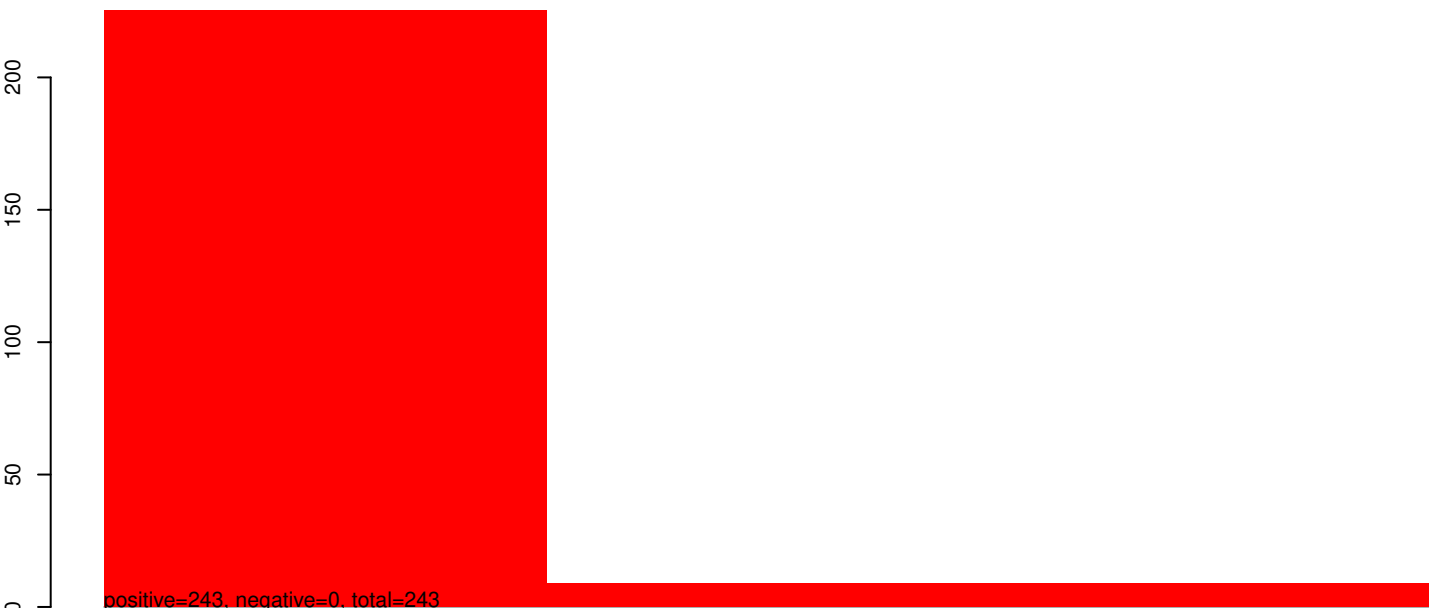


40 60 80 100

AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep



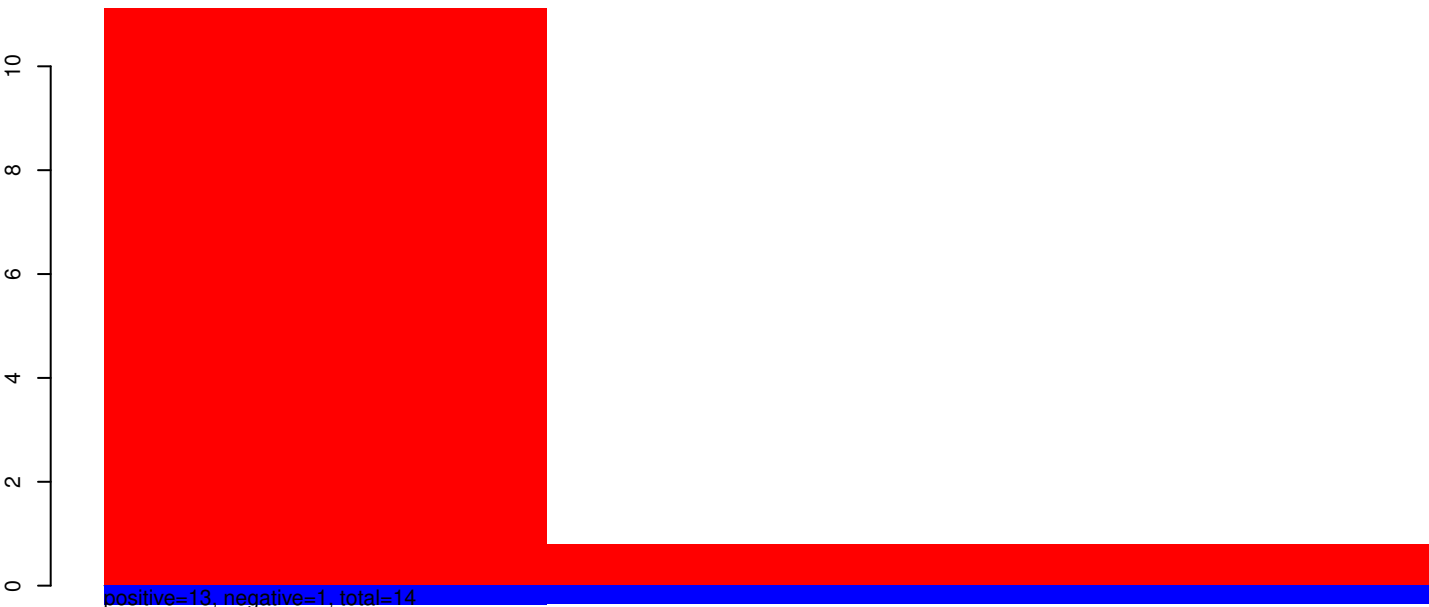
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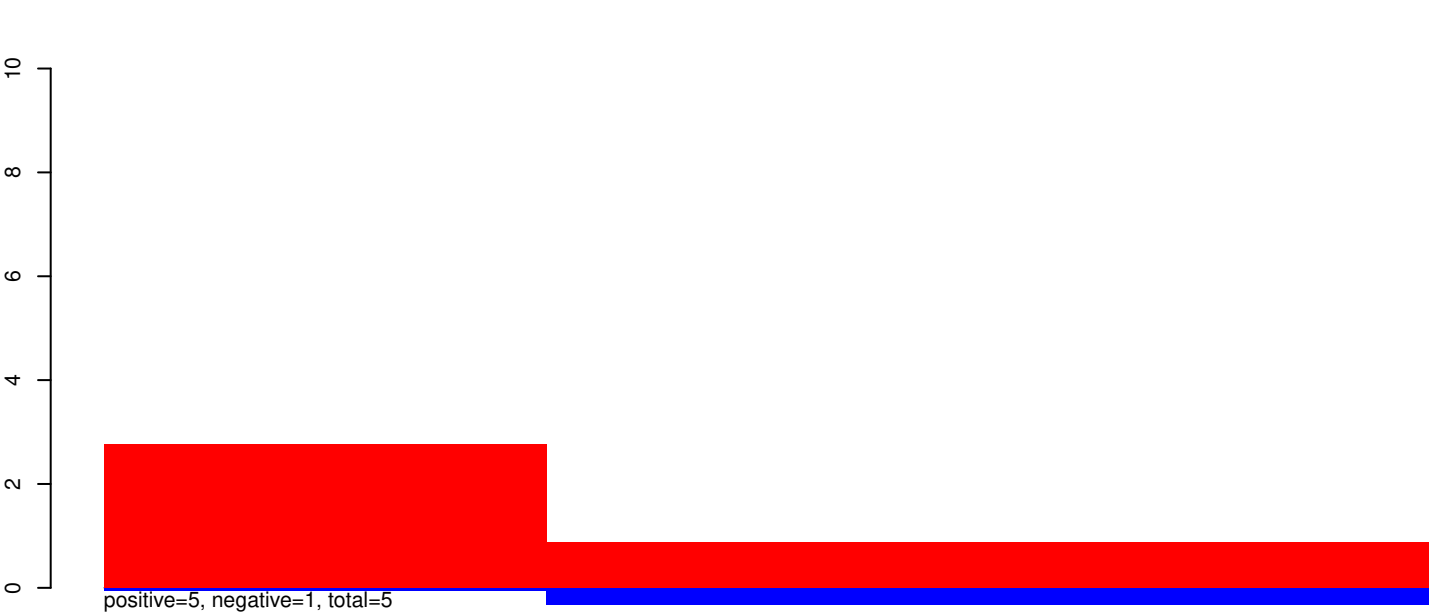
AeAeg\_Aag2\_R2D2\_r123\_ZA.rep



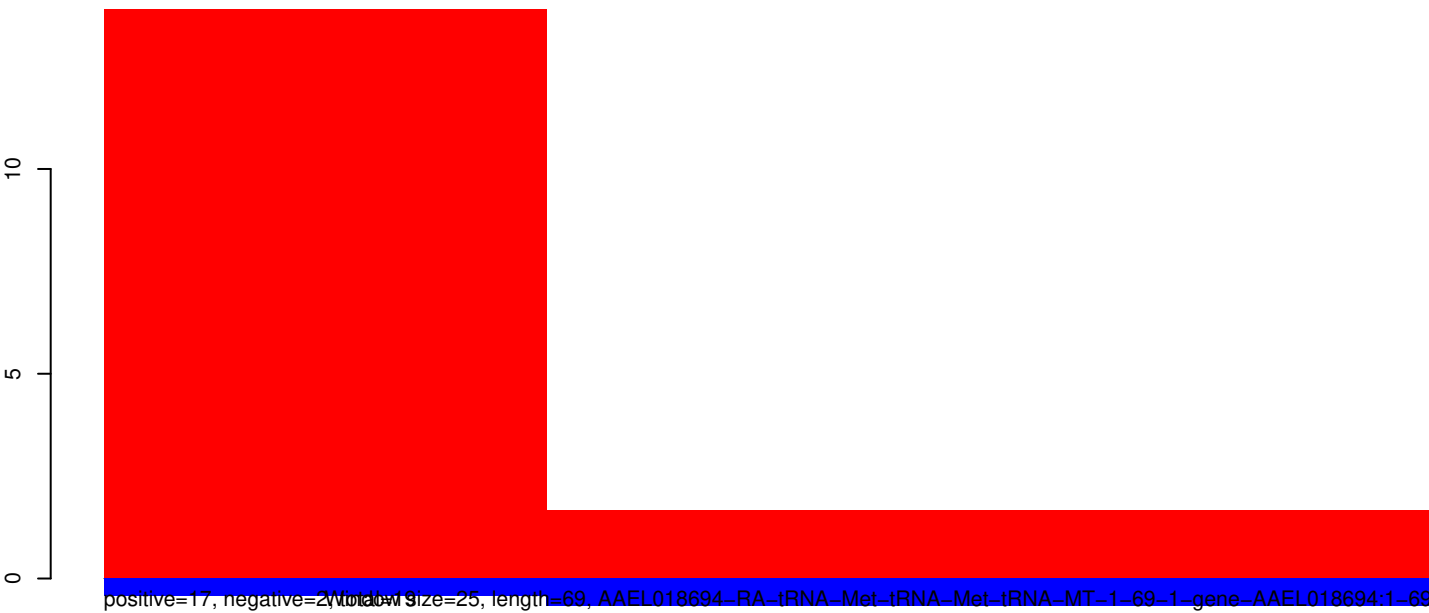
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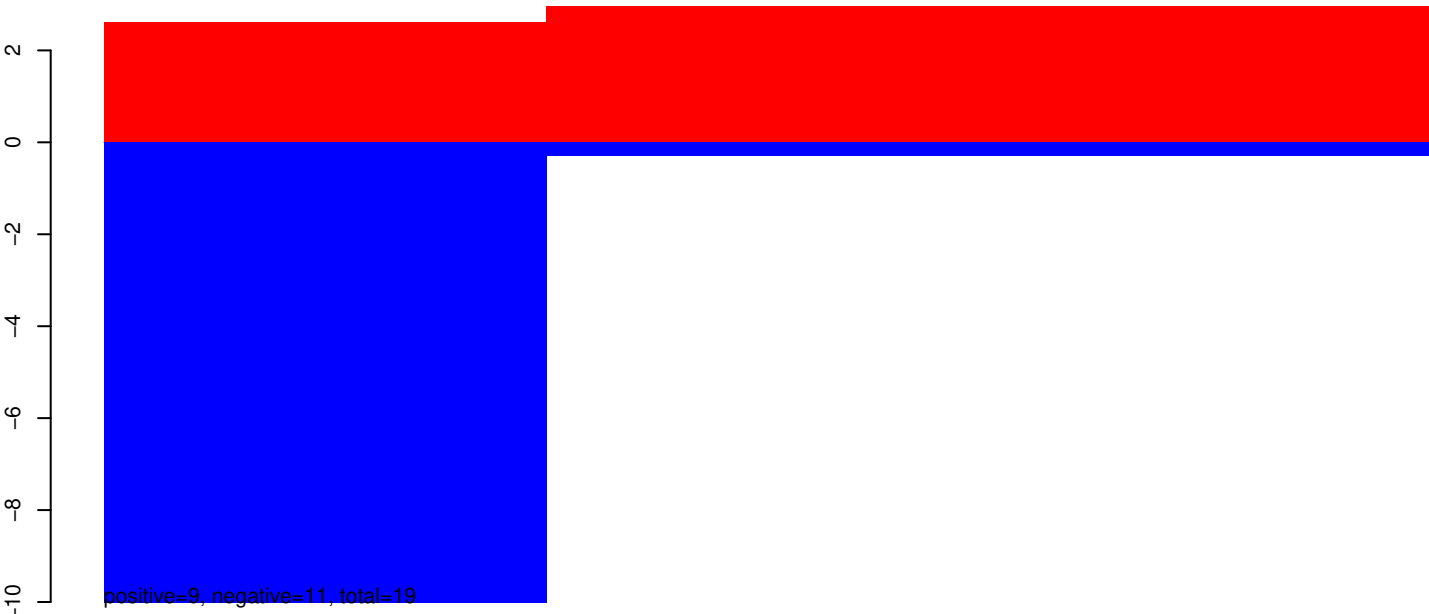
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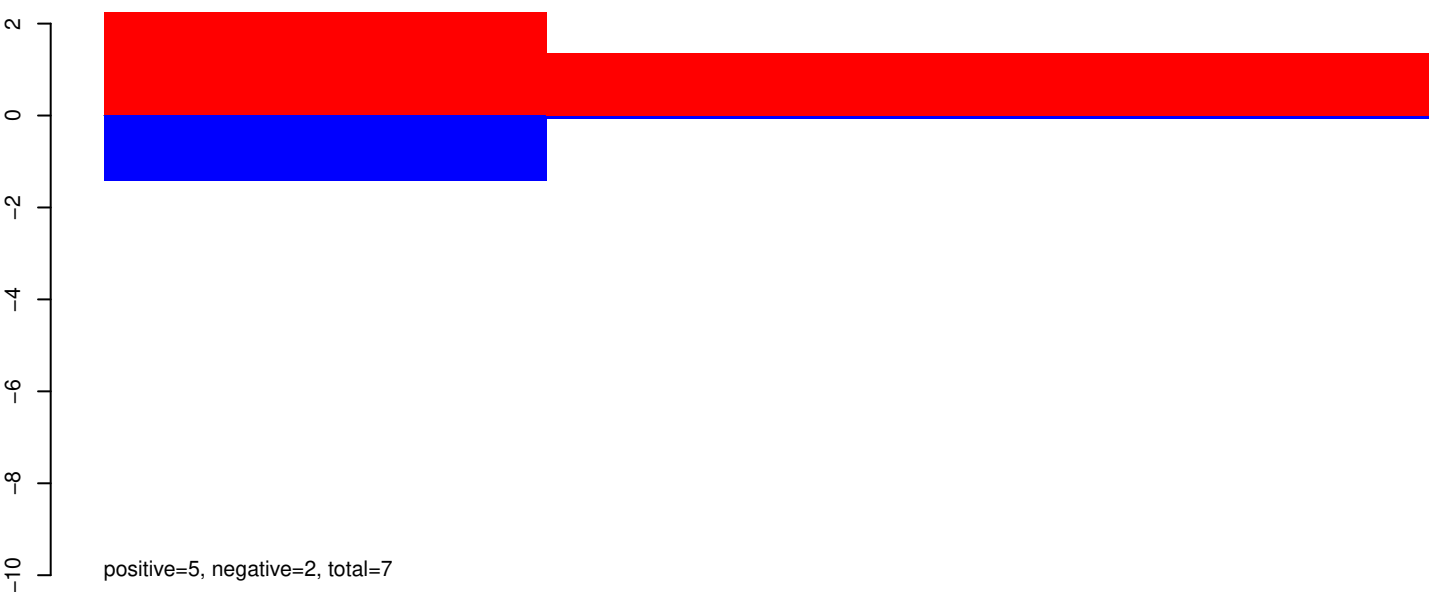
AeAeg\_Aag2\_R2D2\_r123\_ZA.rep



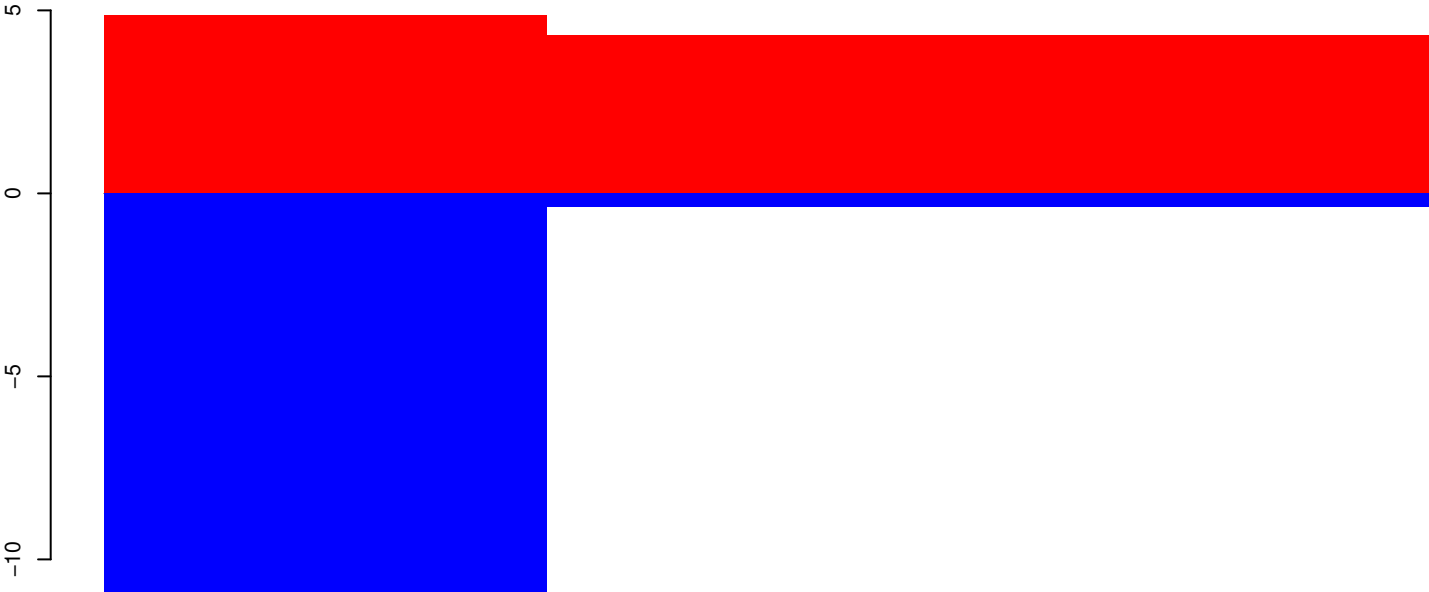
AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep



AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep



AeAeg\_Aag2\_R2D2\_r123\_ZA.rep



Window Size=25, Length=69, AAEL018693-RA-tRNA-Glu-tRNA-Gln-tRNA-MT-16677-16745-1-gene-AAEL018693:1-69

40 60 80 100

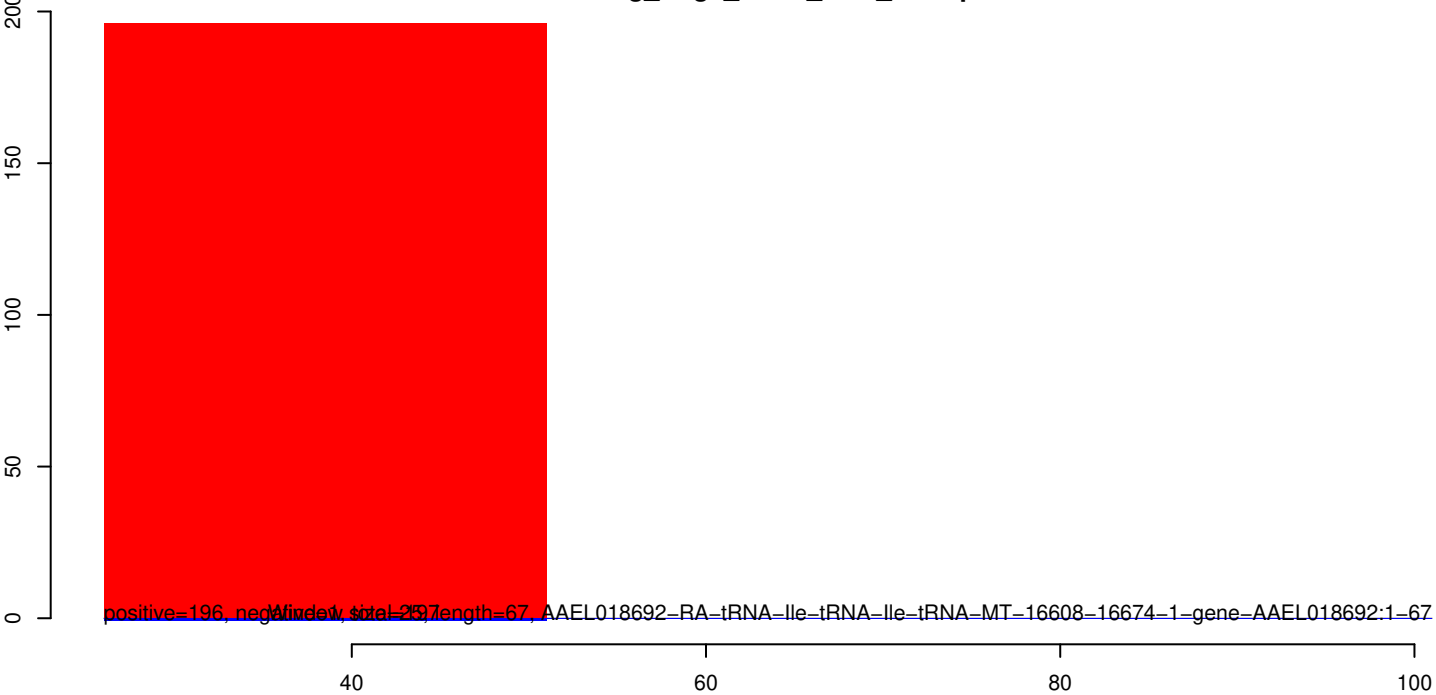
**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



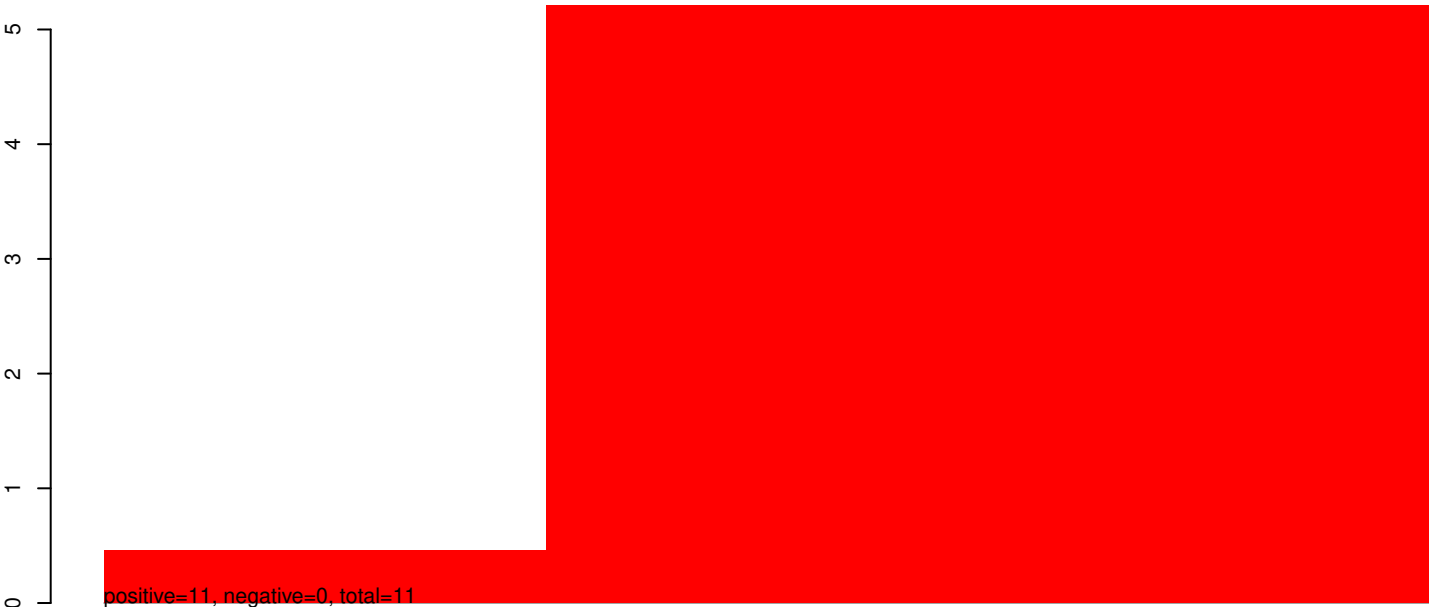
**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**



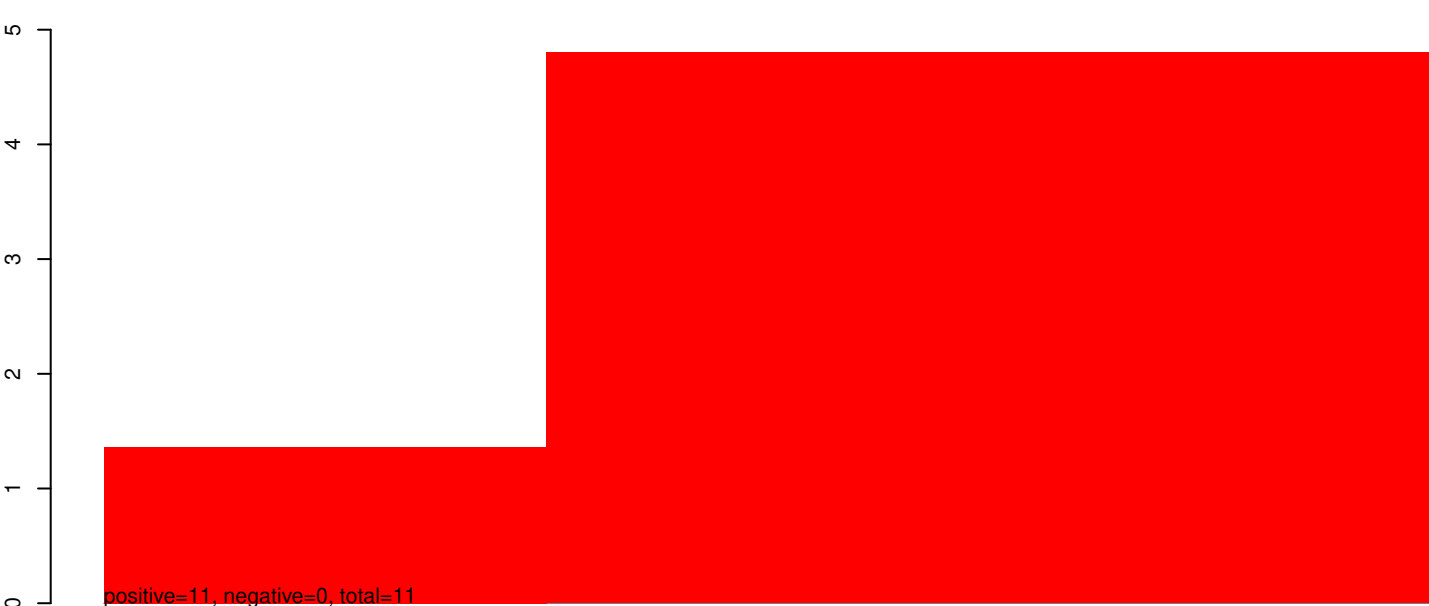
**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**



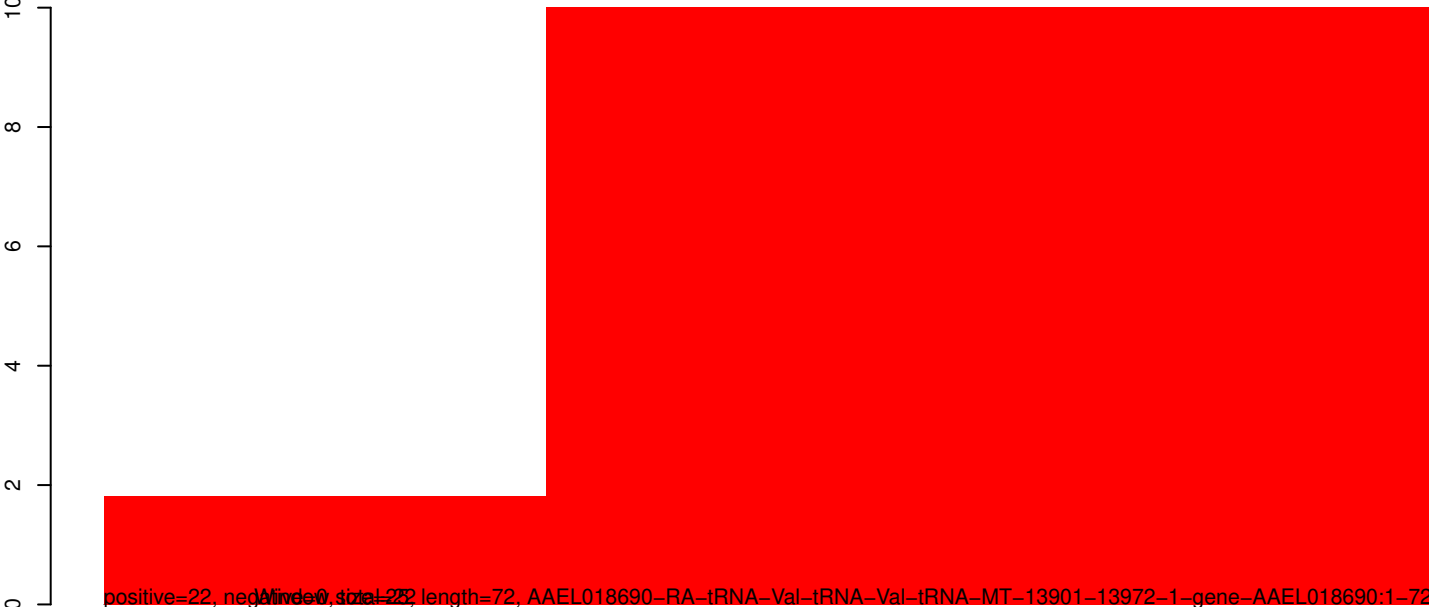
**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**

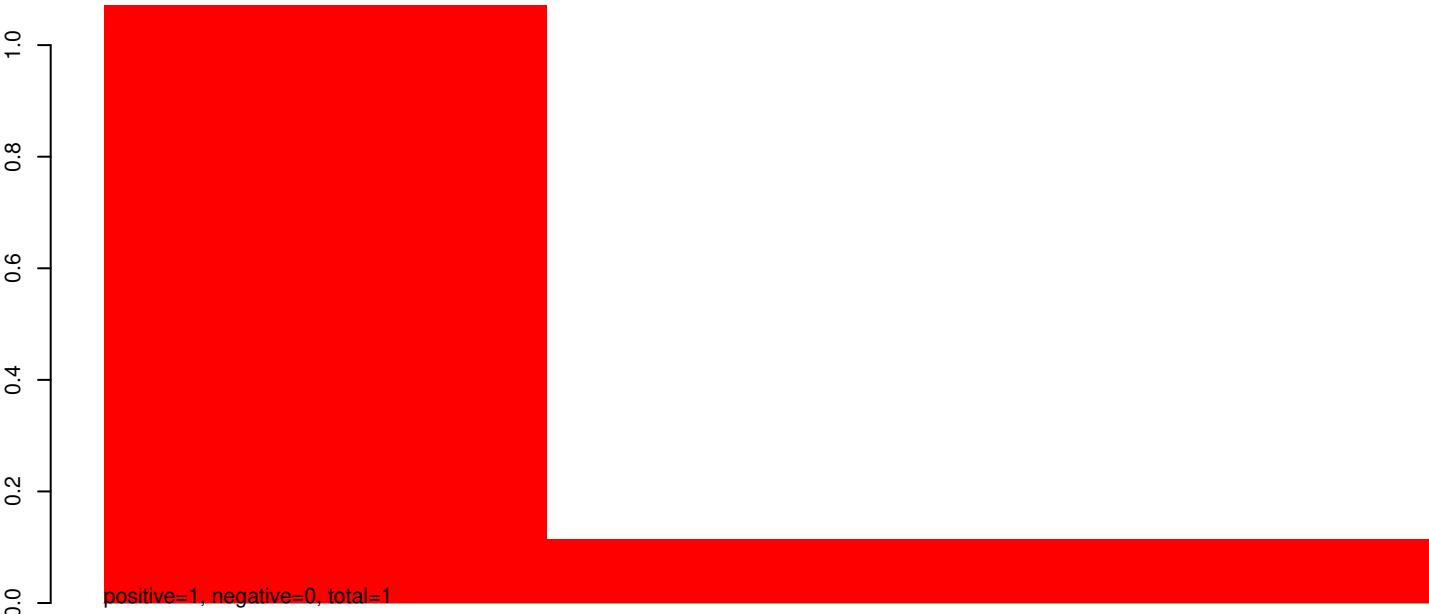


**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**



40 60 80 100  
AAEL018690-RA-tRNA-Val-tRNA-Val-tRNA-MT-13901-13972-1-gene-AAEL018690:1-72

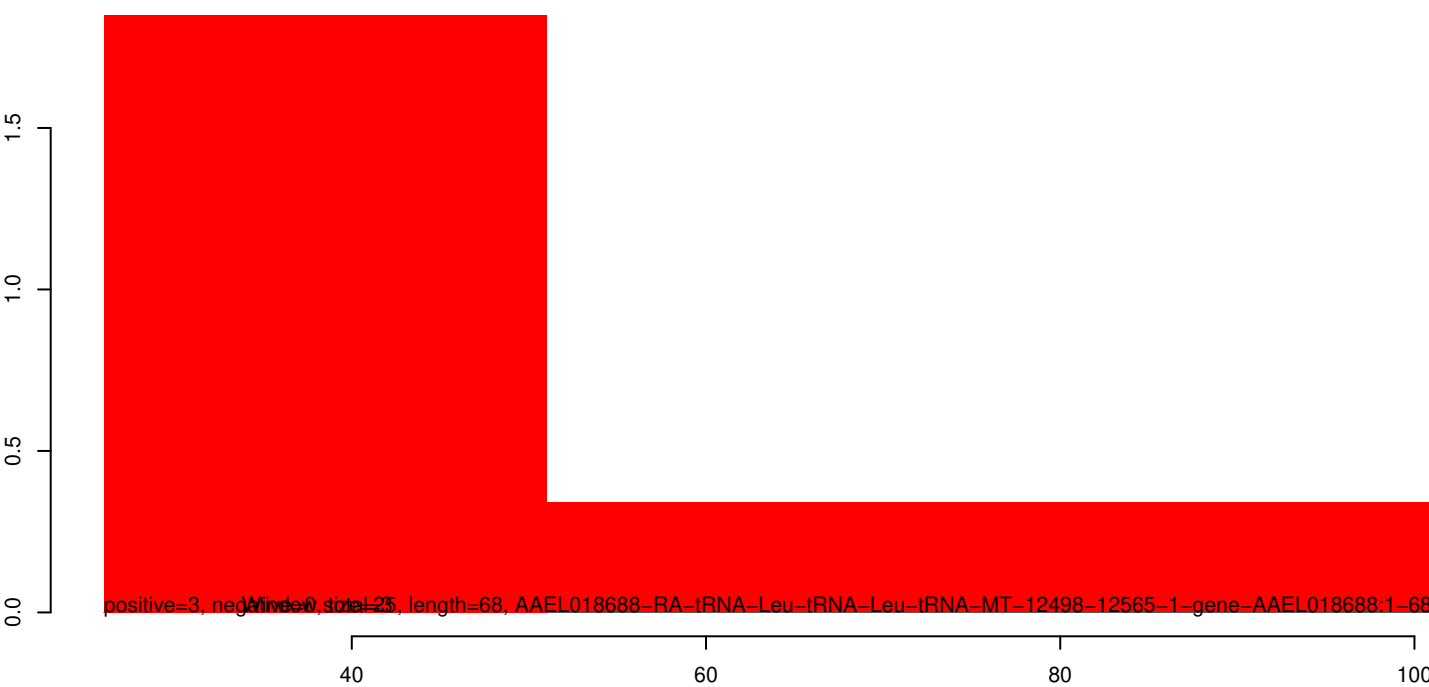
AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep



AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep



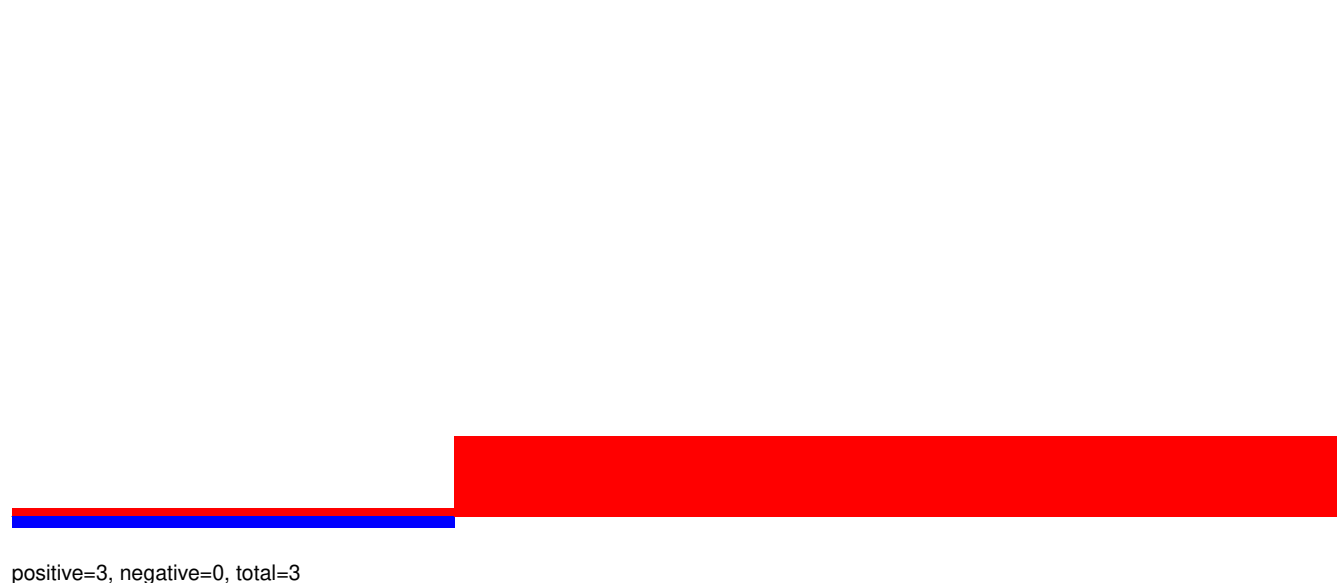
AeAeg\_Aag2\_R2D2\_r123\_ZA.rep



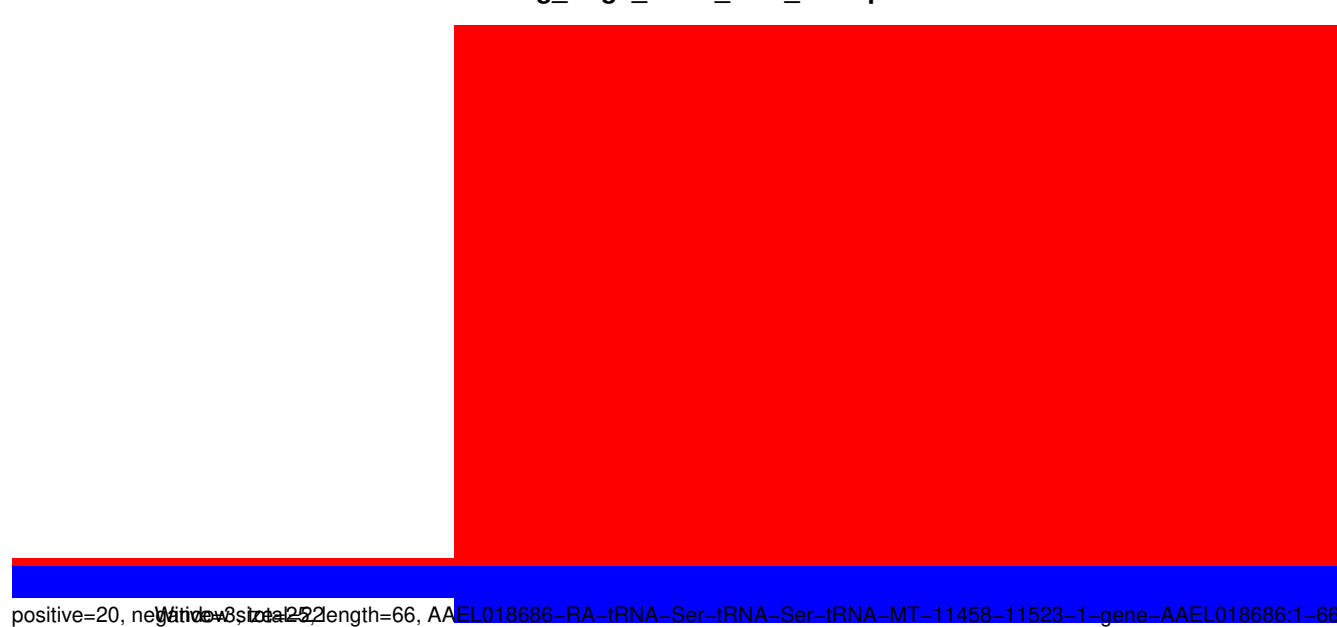
**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**



**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**



Window size=22, length=66, AAEL018686-RA-tRNA-Ser-tRNA-Ser-tRNA-MT-11458-11523-1-gene-AAEL018686:1-66

40

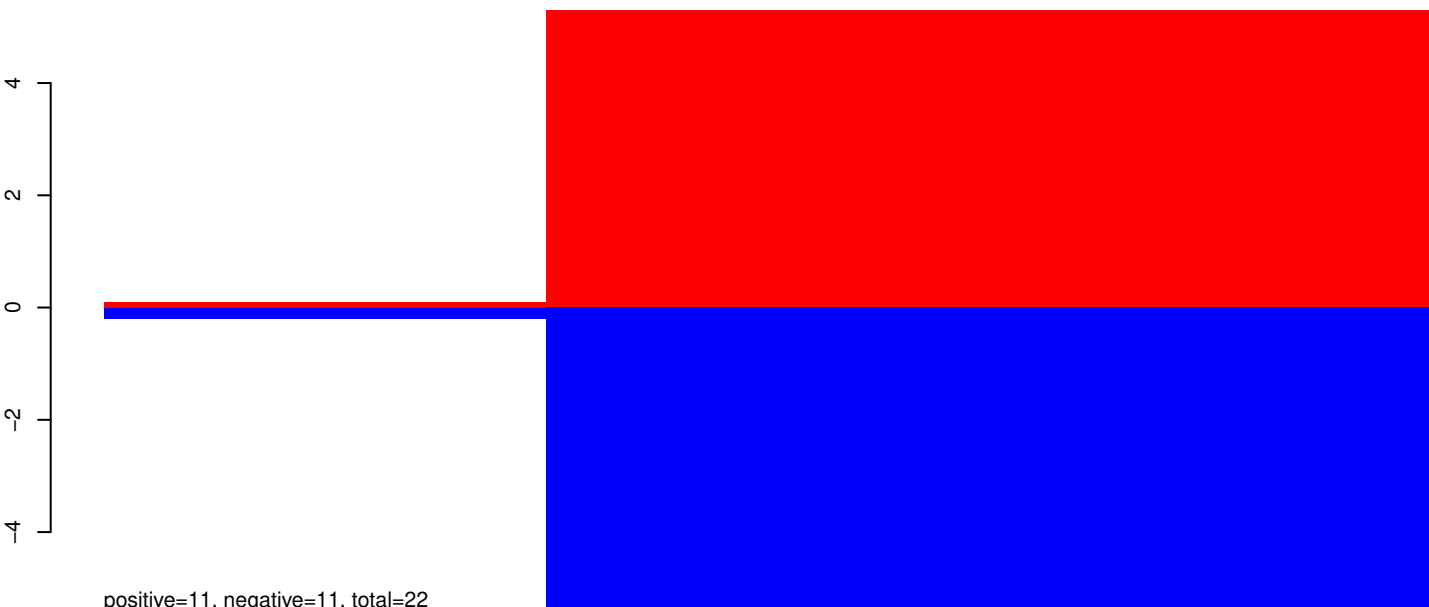
60

80

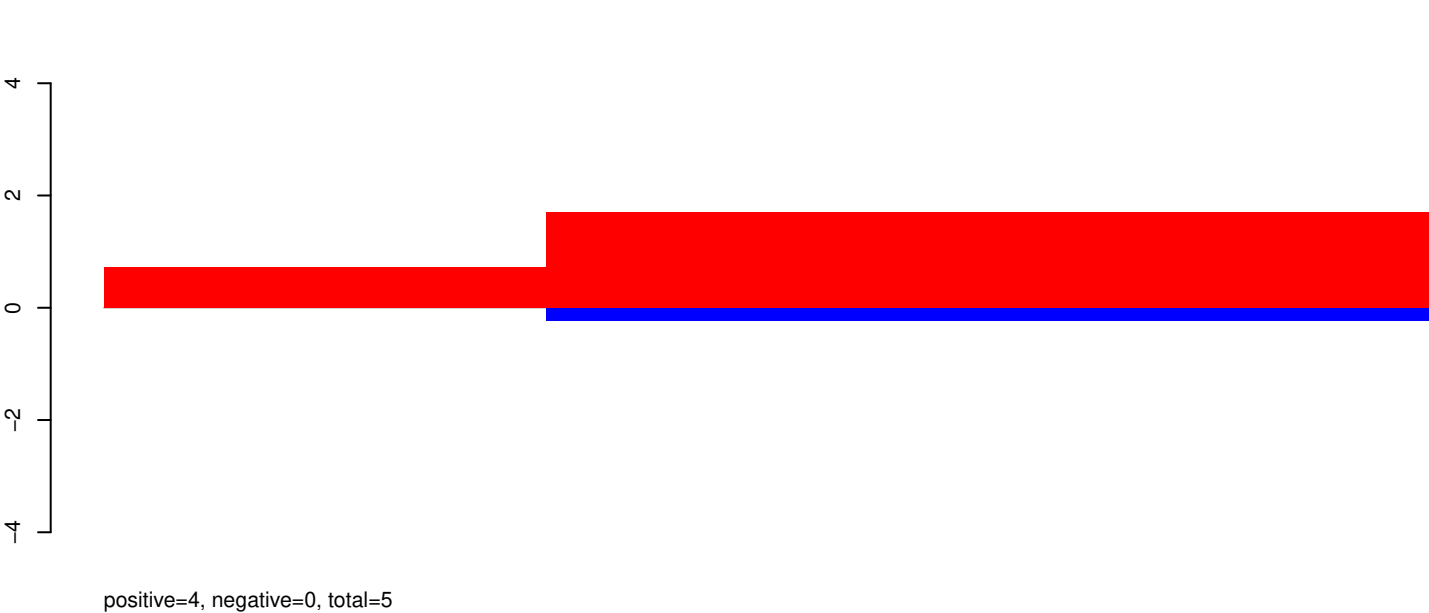
100



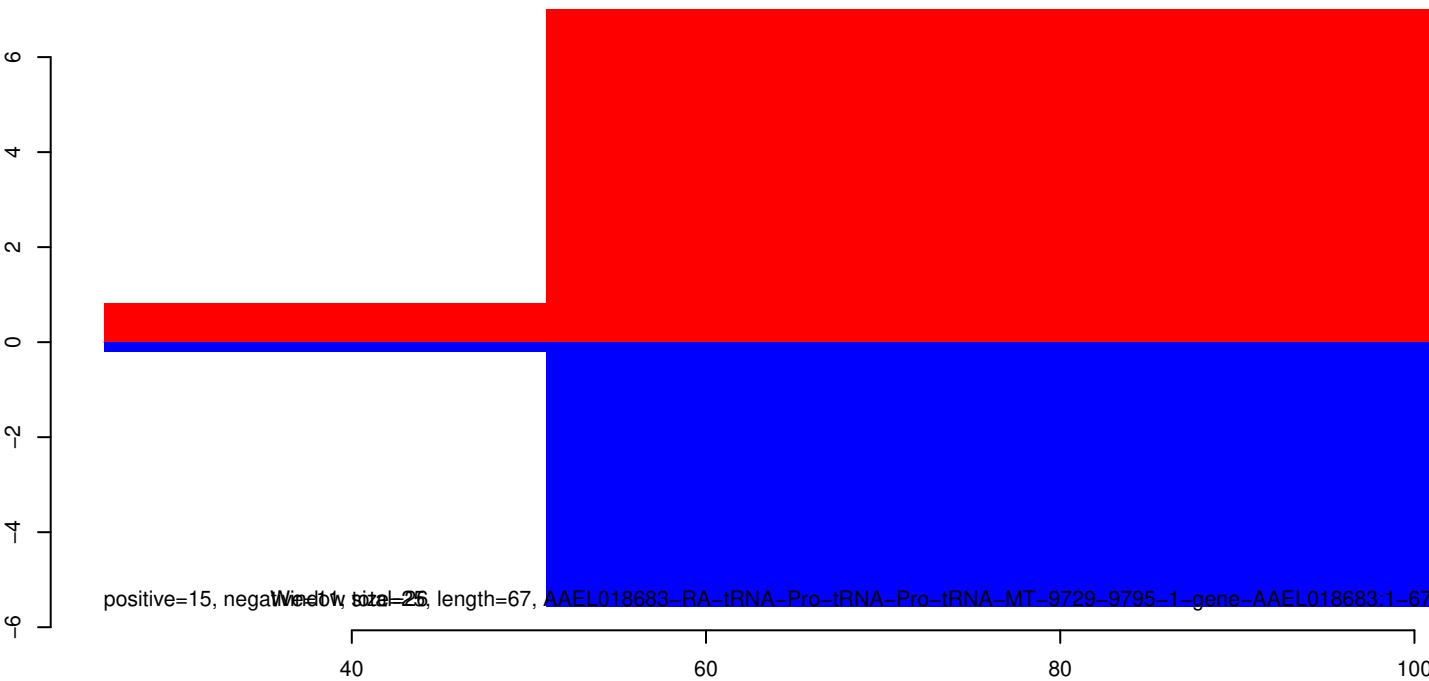
**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



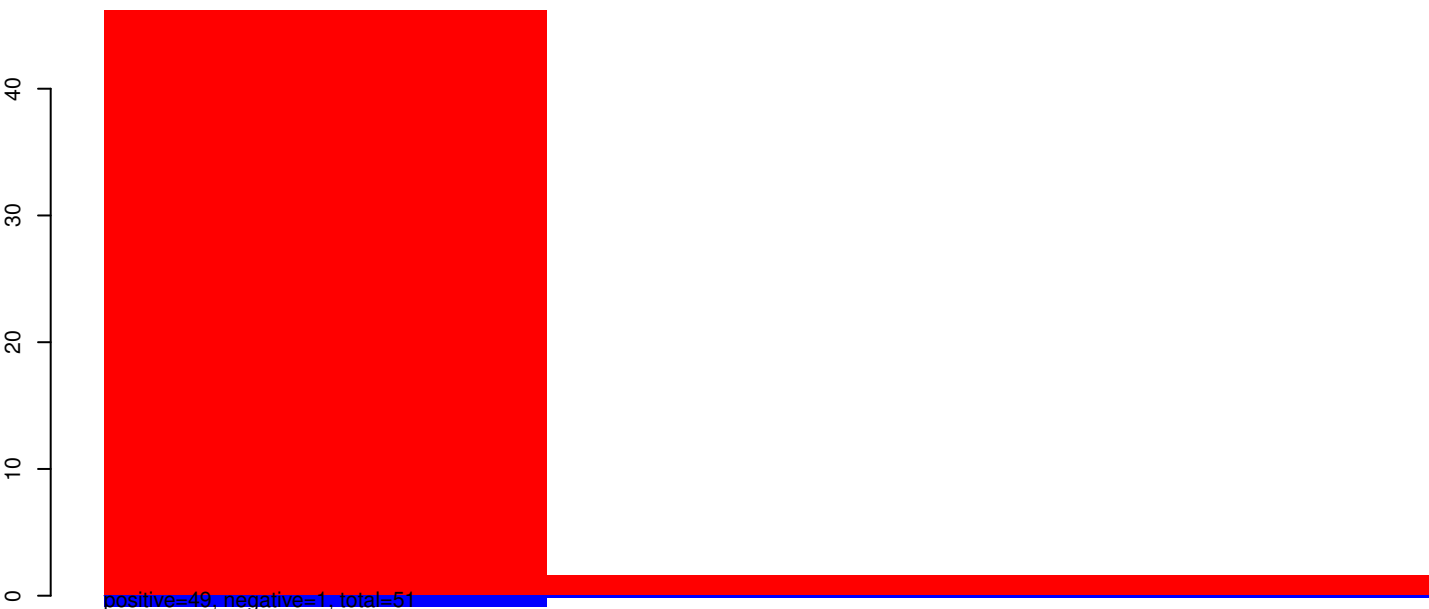
**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**



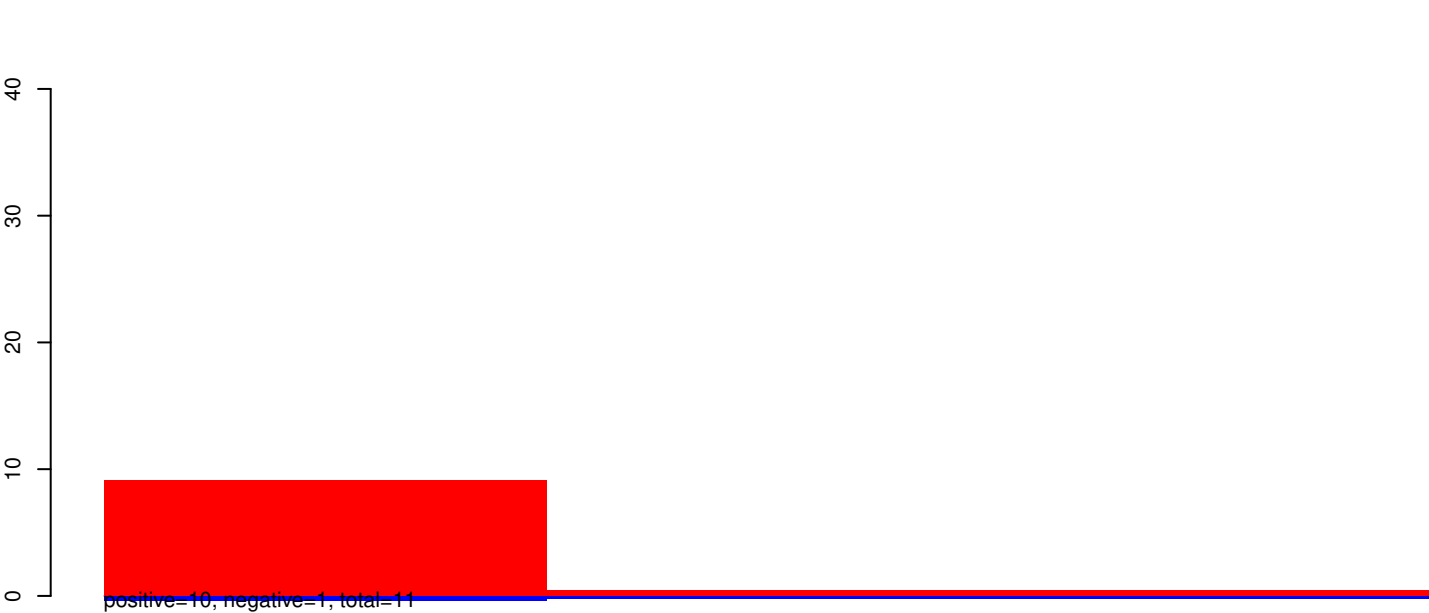
**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**



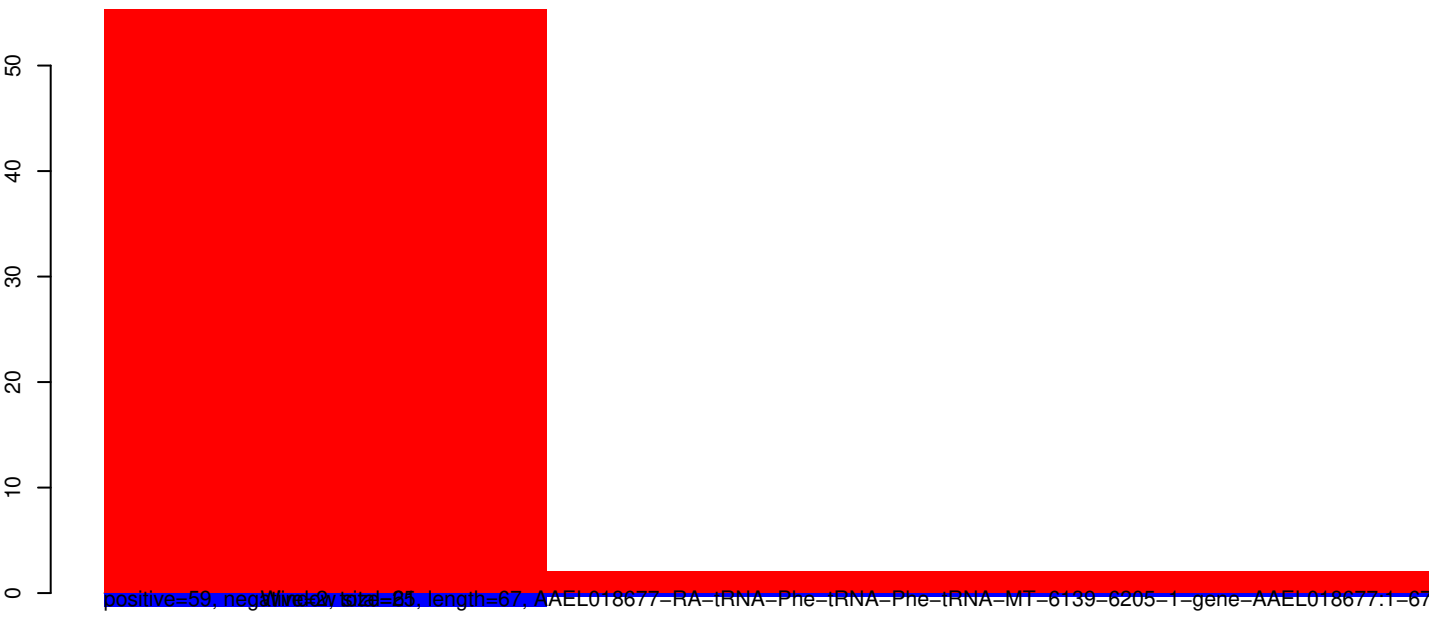
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AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep

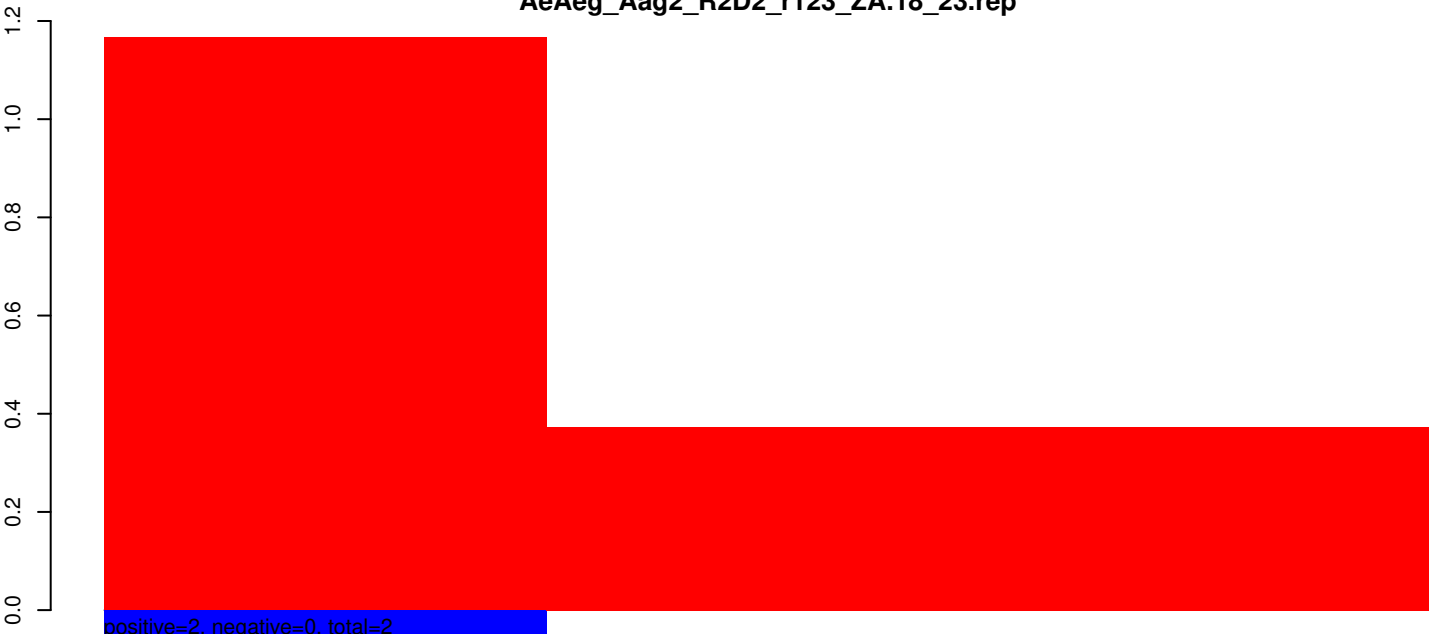


AeAeg\_Aag2\_R2D2\_r123\_ZA.rep



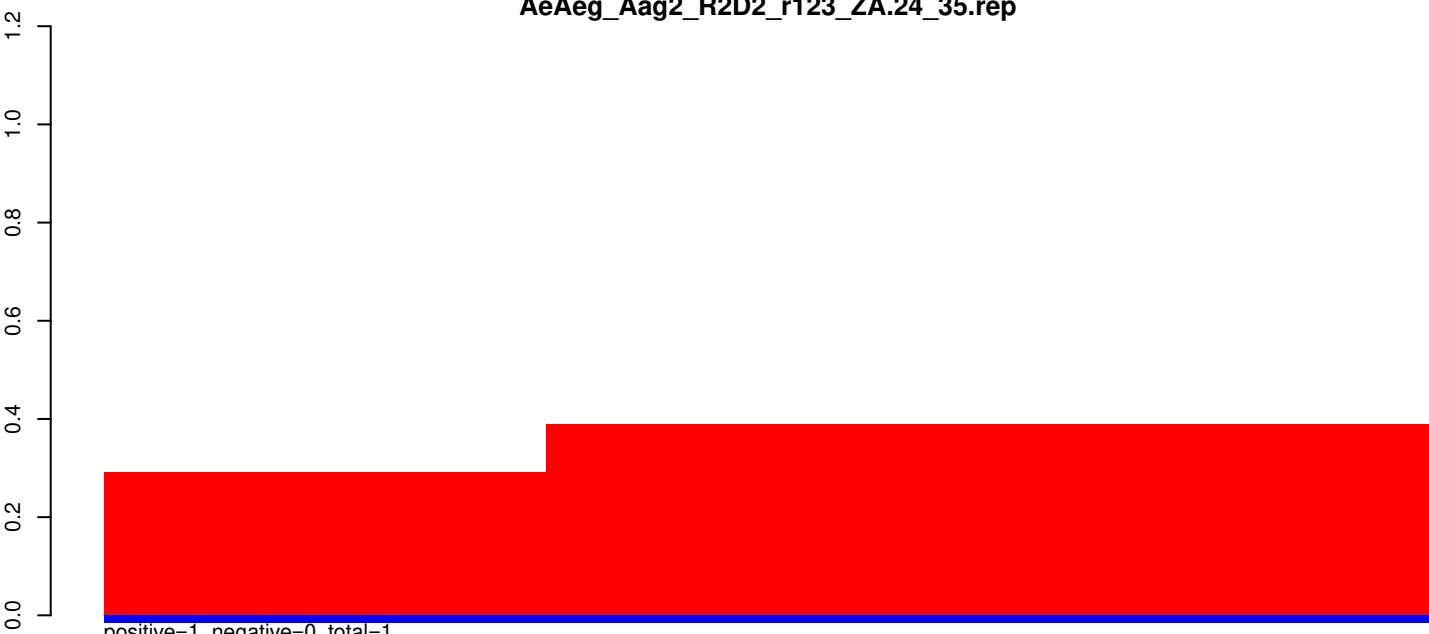
40 60 80 100

**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



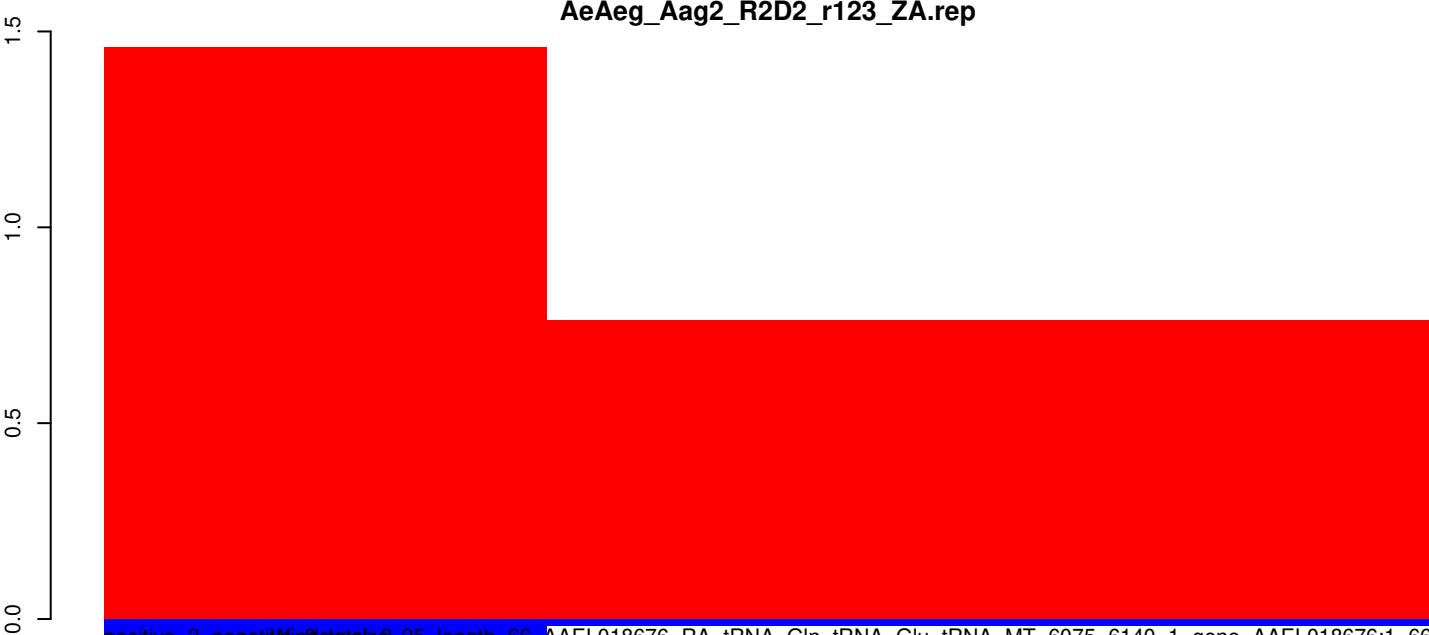
positive=2, negative=0, total=2

**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**



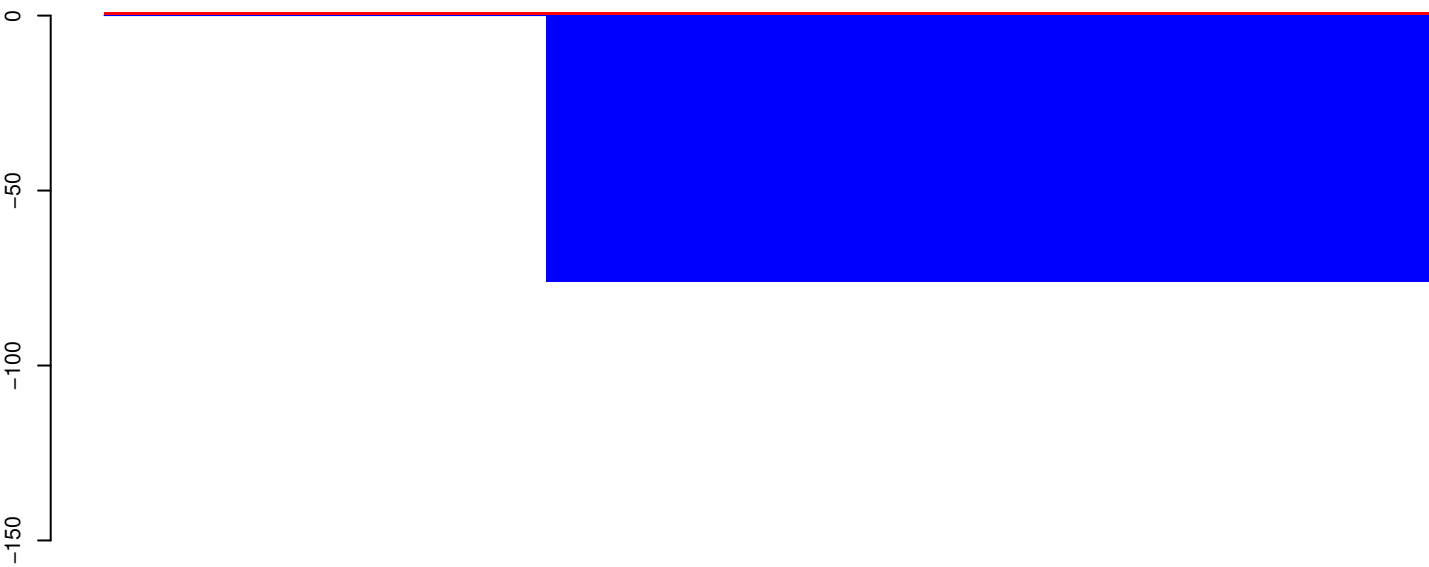
positive=1, negative=0, total=1

**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**



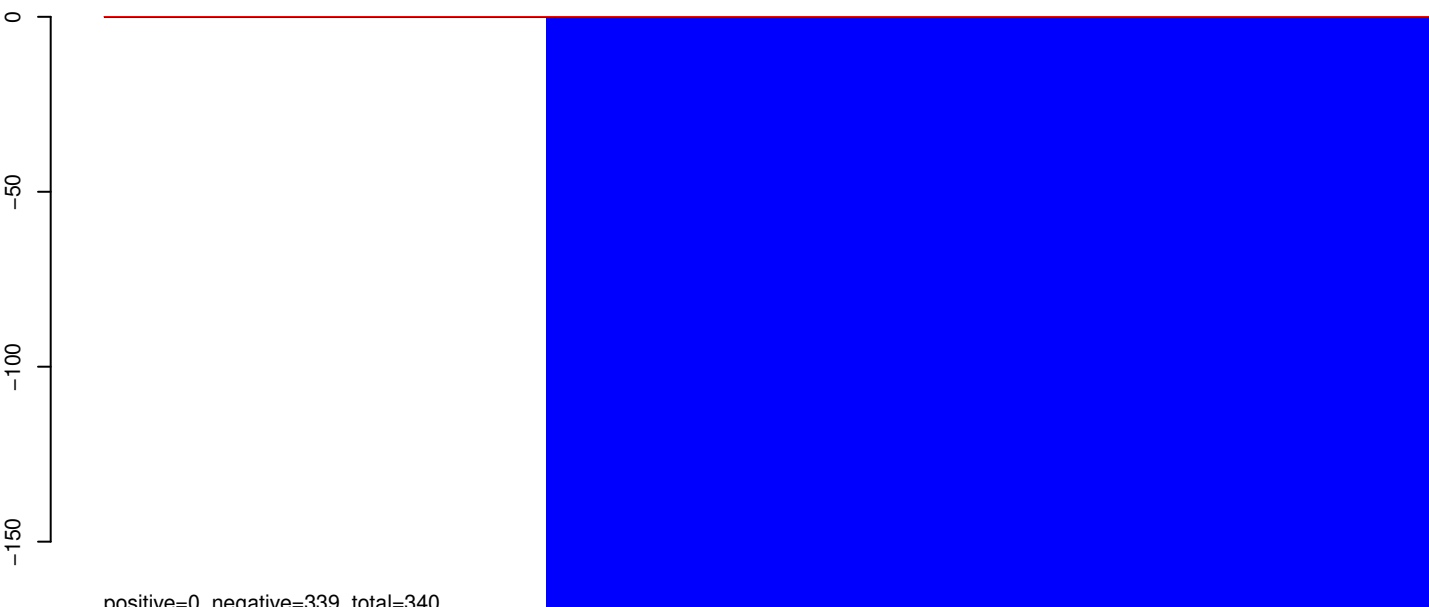
positive=3, negative=0, total=3, length=66, AAEL018676-RA-tRNA-Gln-tRNA-Glu-tRNA-MT-6075-6140-1-gene-AAEL018676:1-66

**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



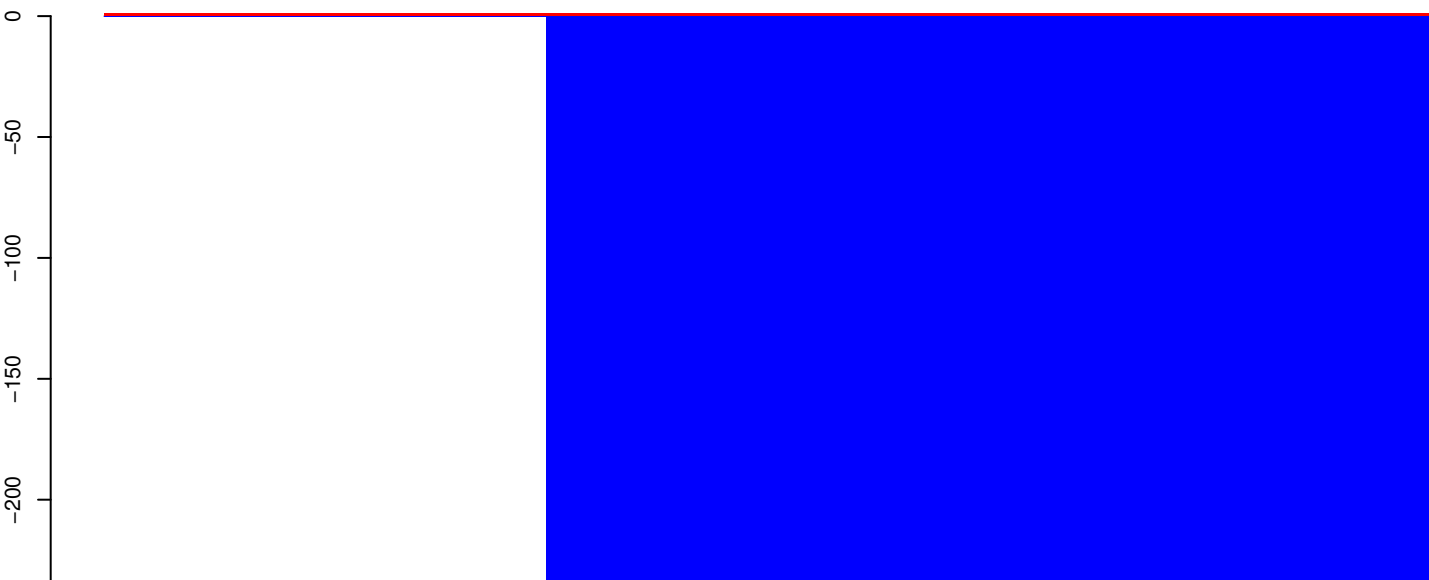
positive=3, negative=153, total=156

**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**



positive=0, negative=339, total=340

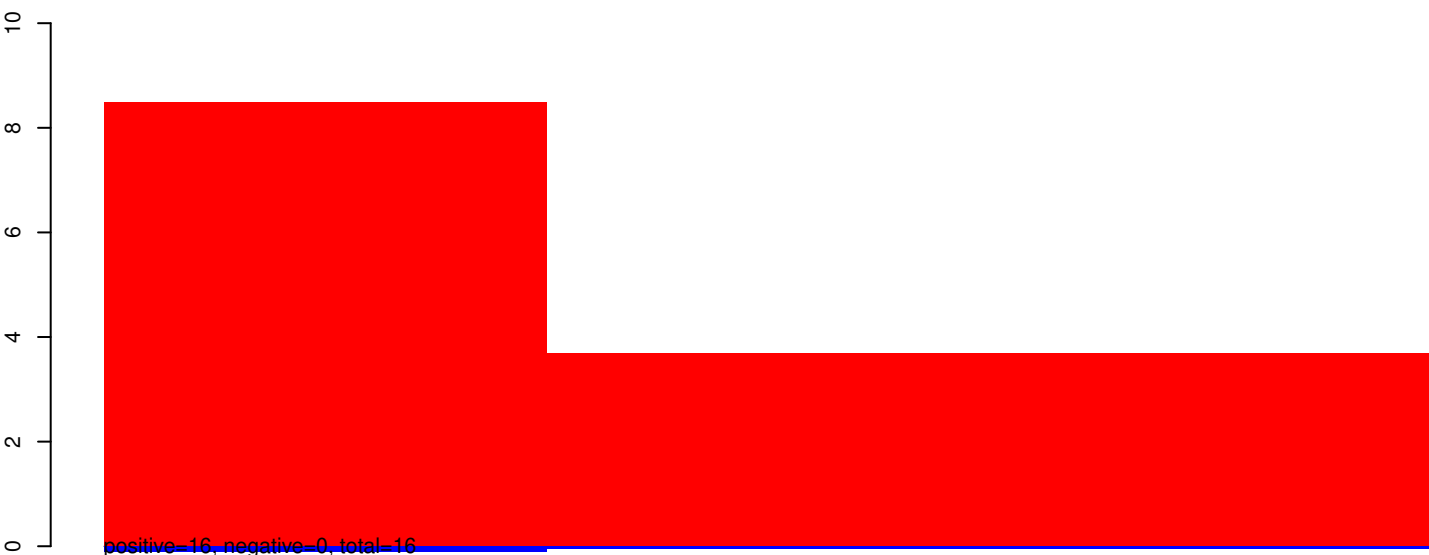
**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**



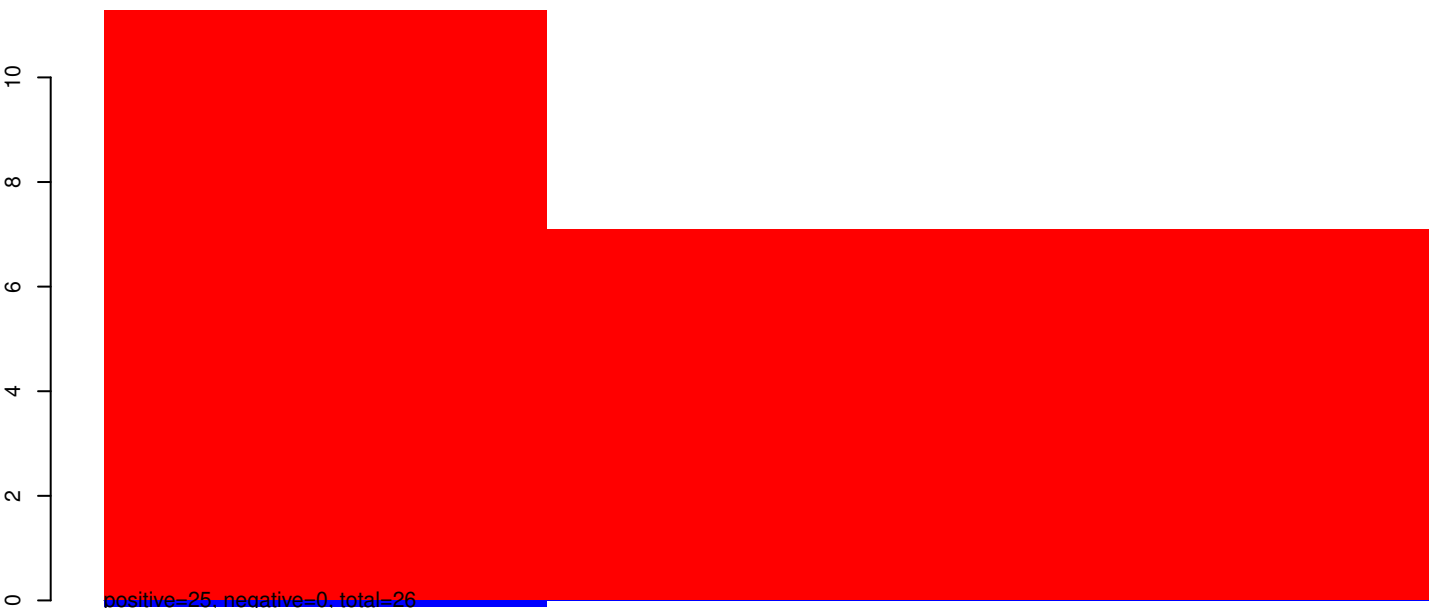
positive=3, negative=40, total=43, length=67, AAEL018675-RA-tRNA-Ser-tRNA-Ser-tRNA-MT-5996-6062-1-gene-AAEL018675:1-67

40 60 80 100

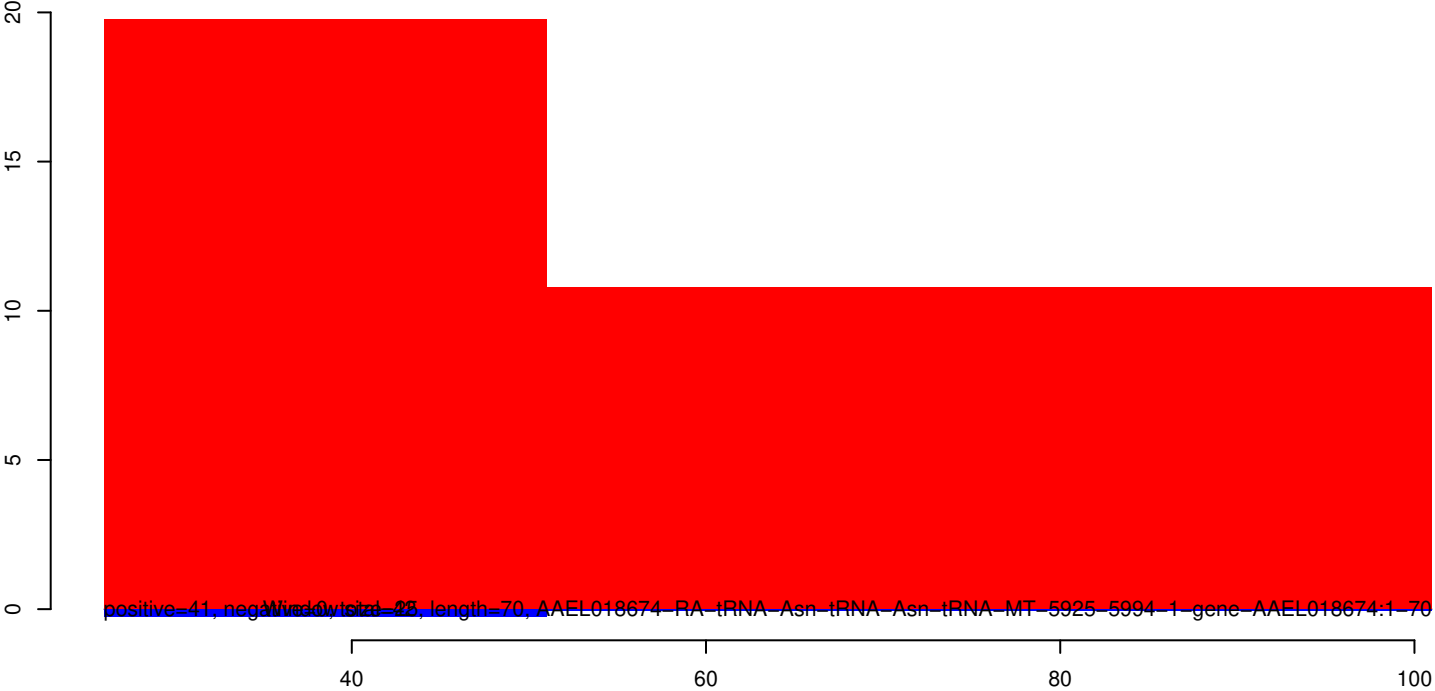
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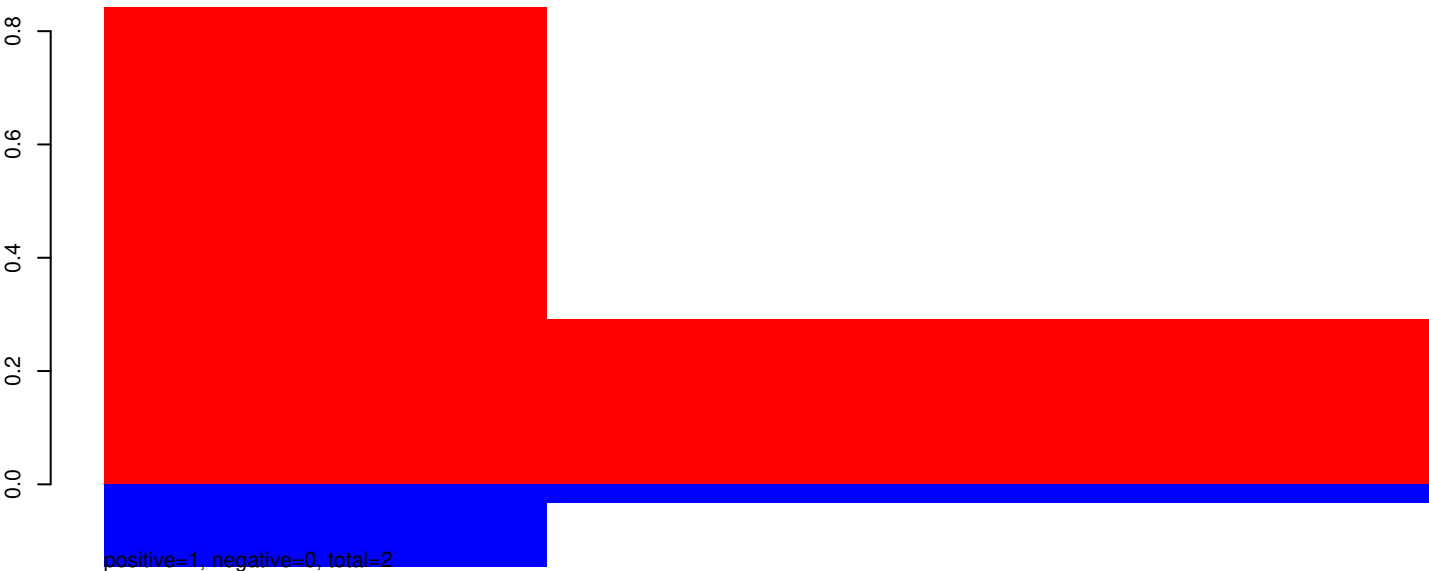
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AeAeg\_Aag2\_R2D2\_r123\_ZA.rep



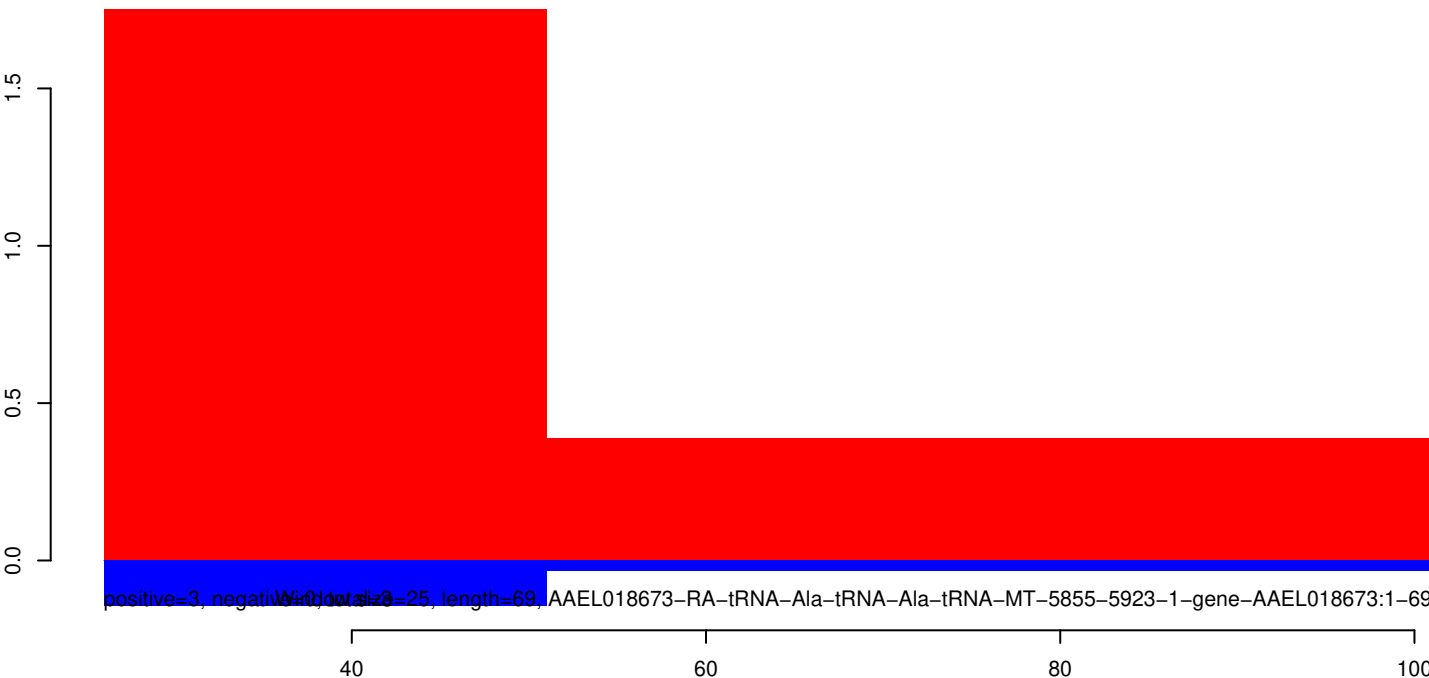
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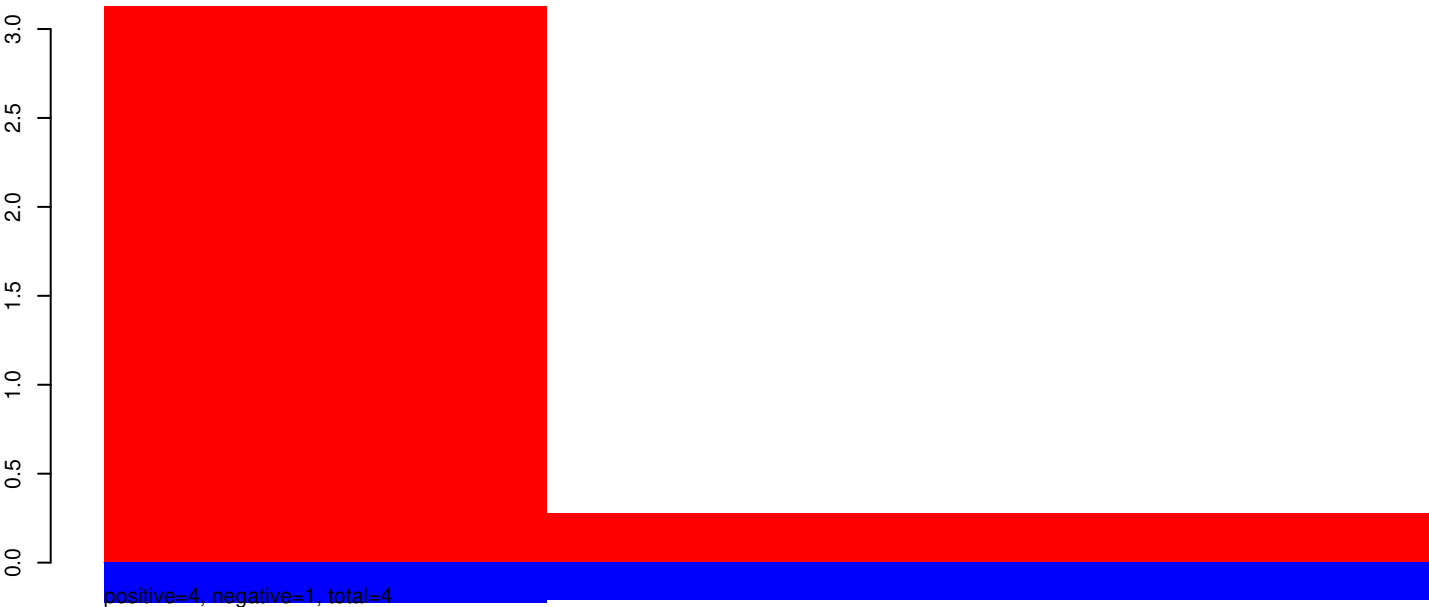
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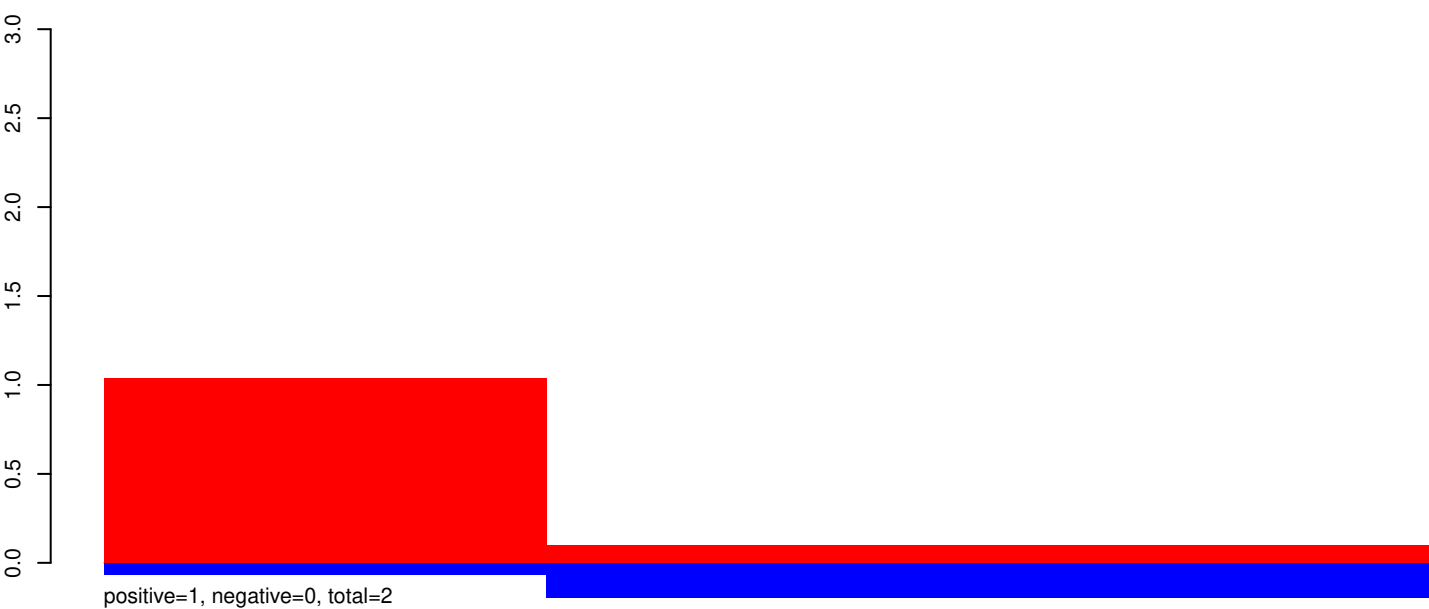
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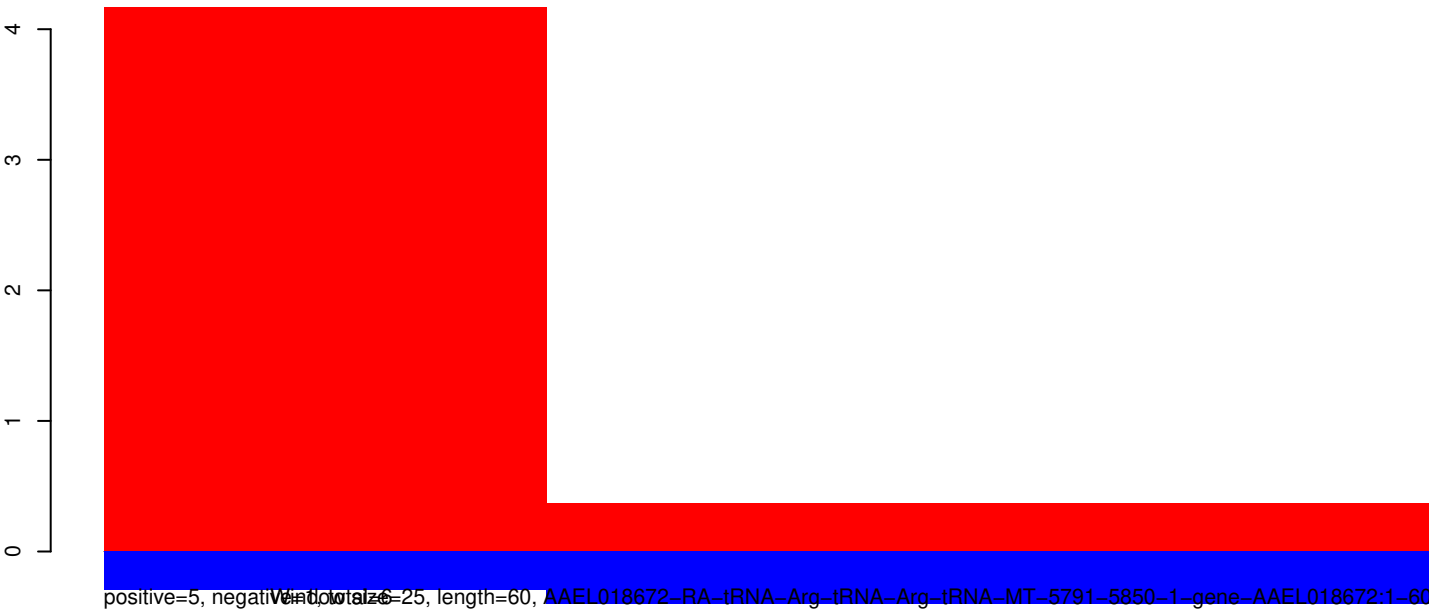
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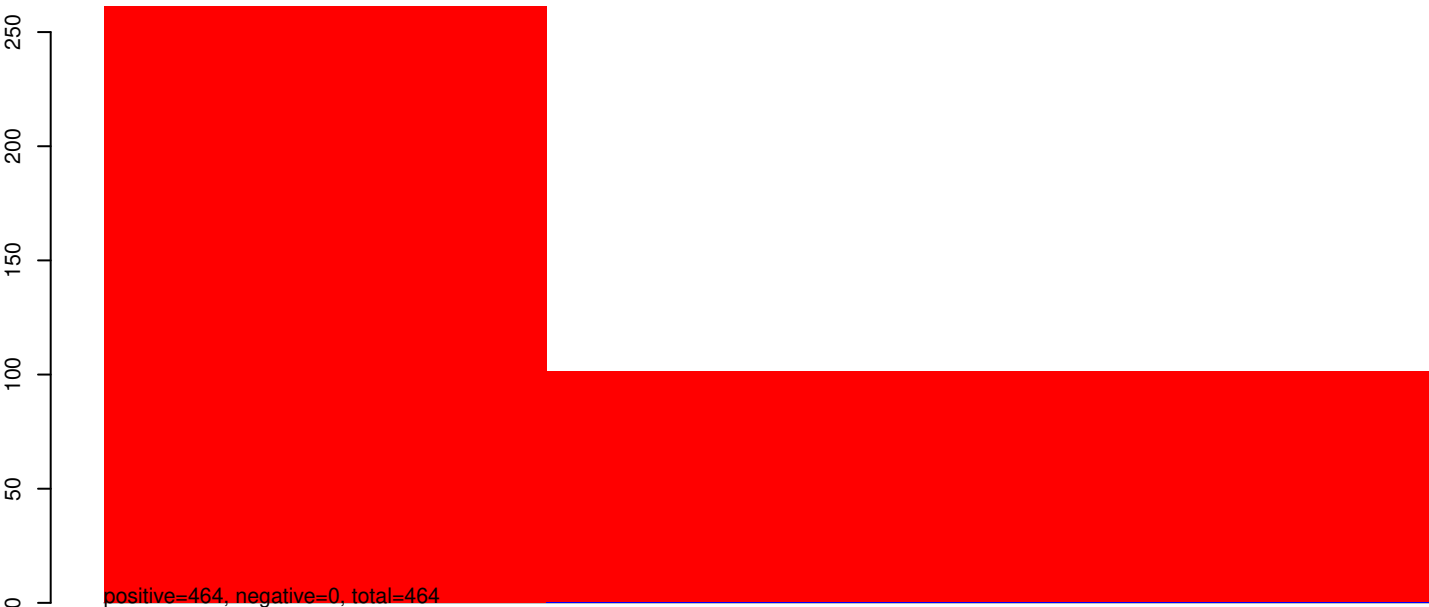


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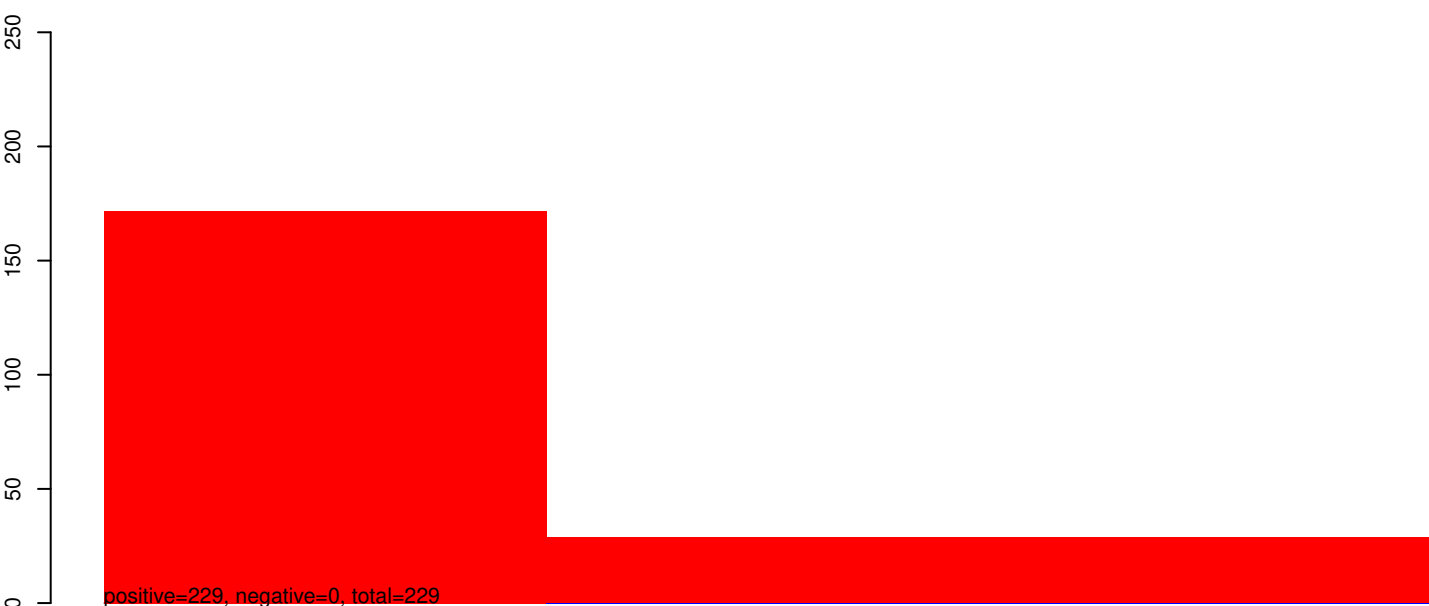


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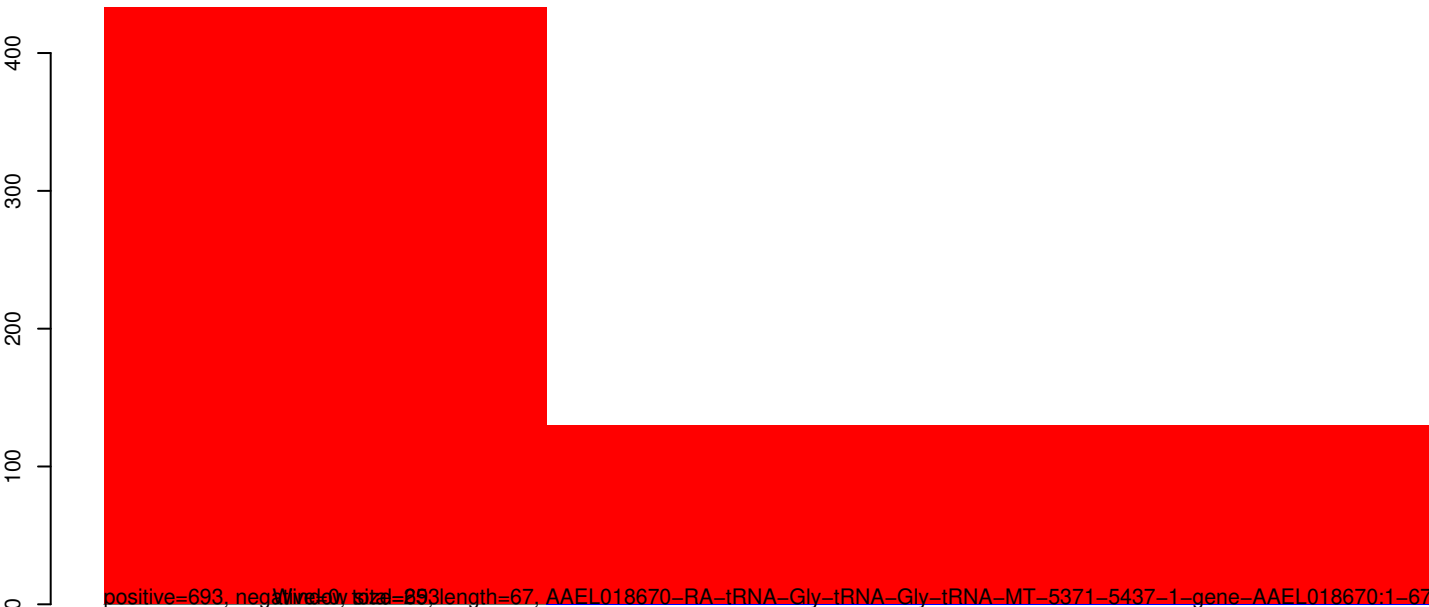
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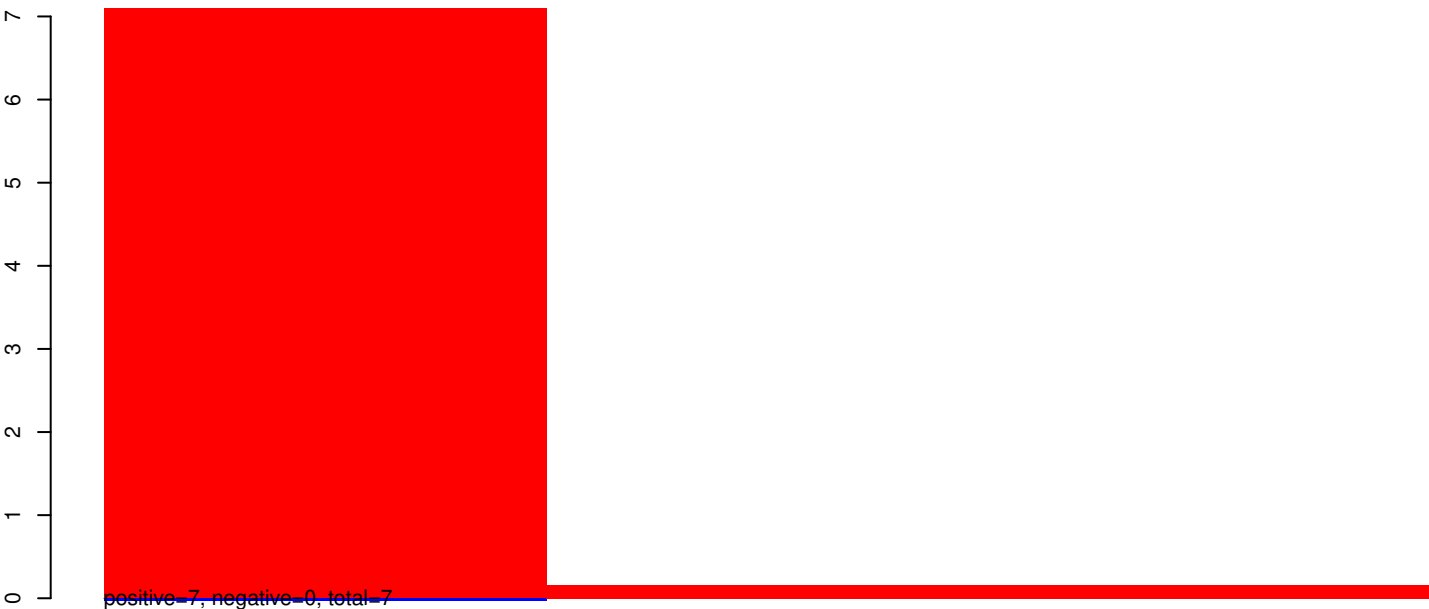
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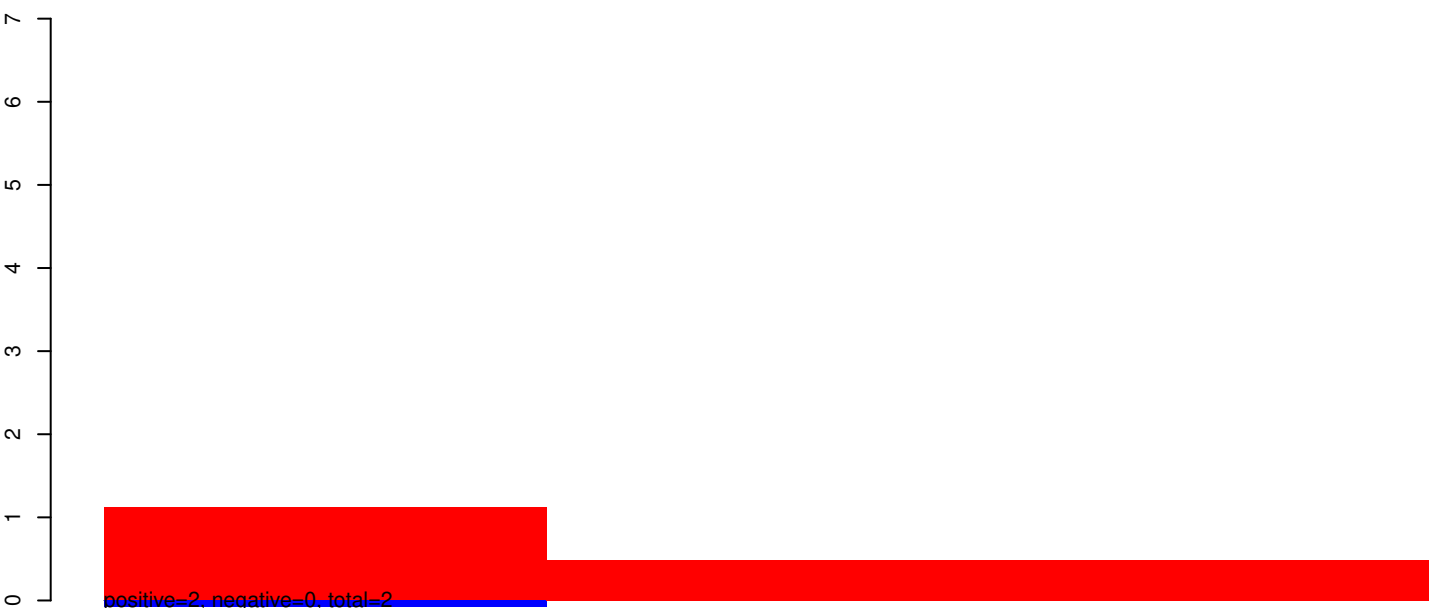
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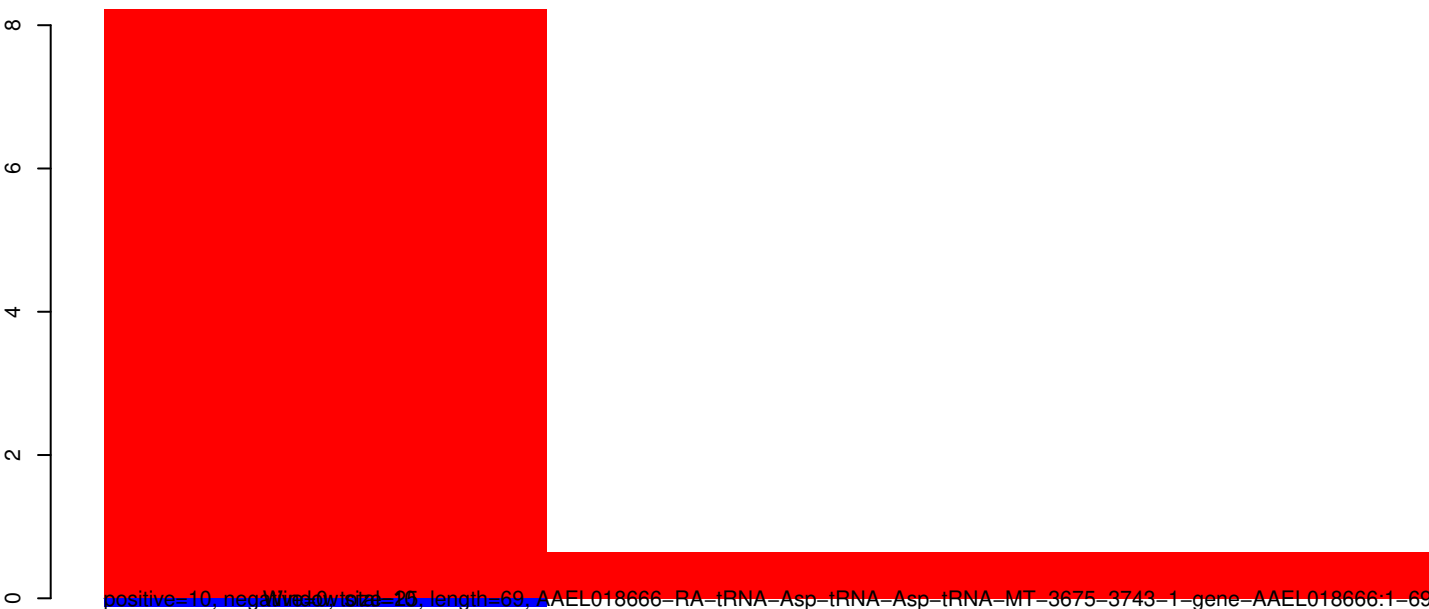
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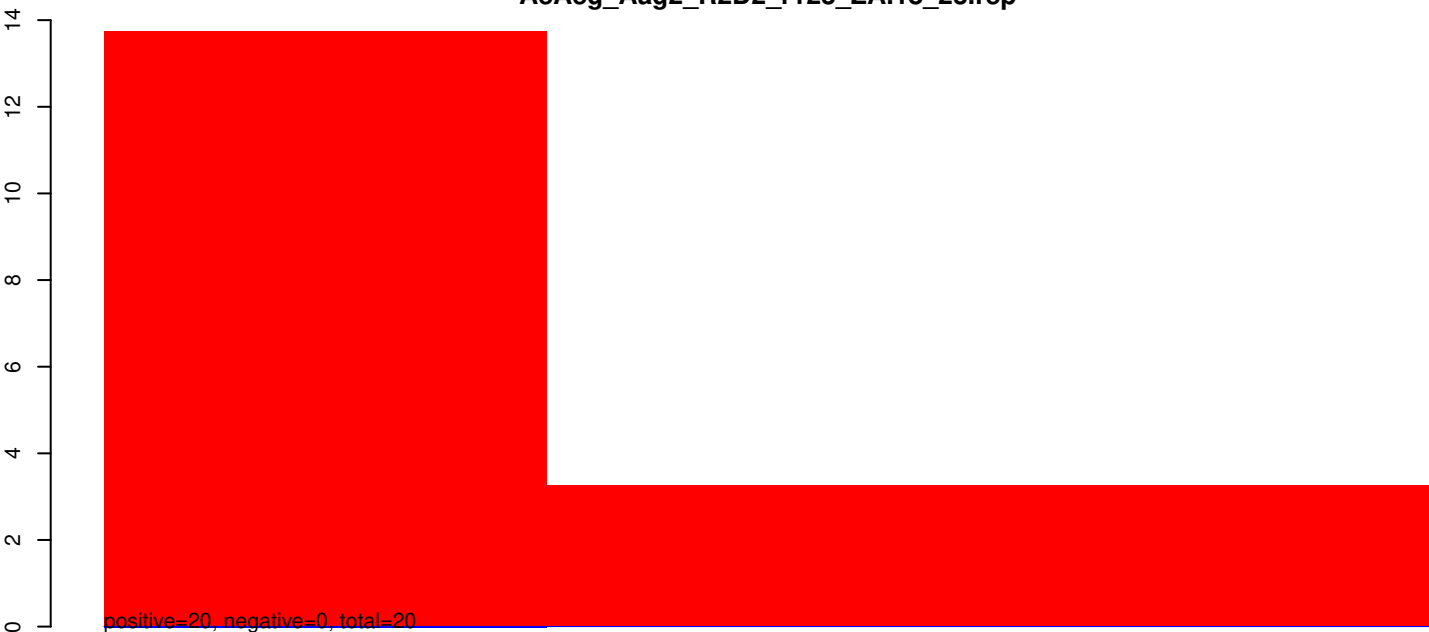
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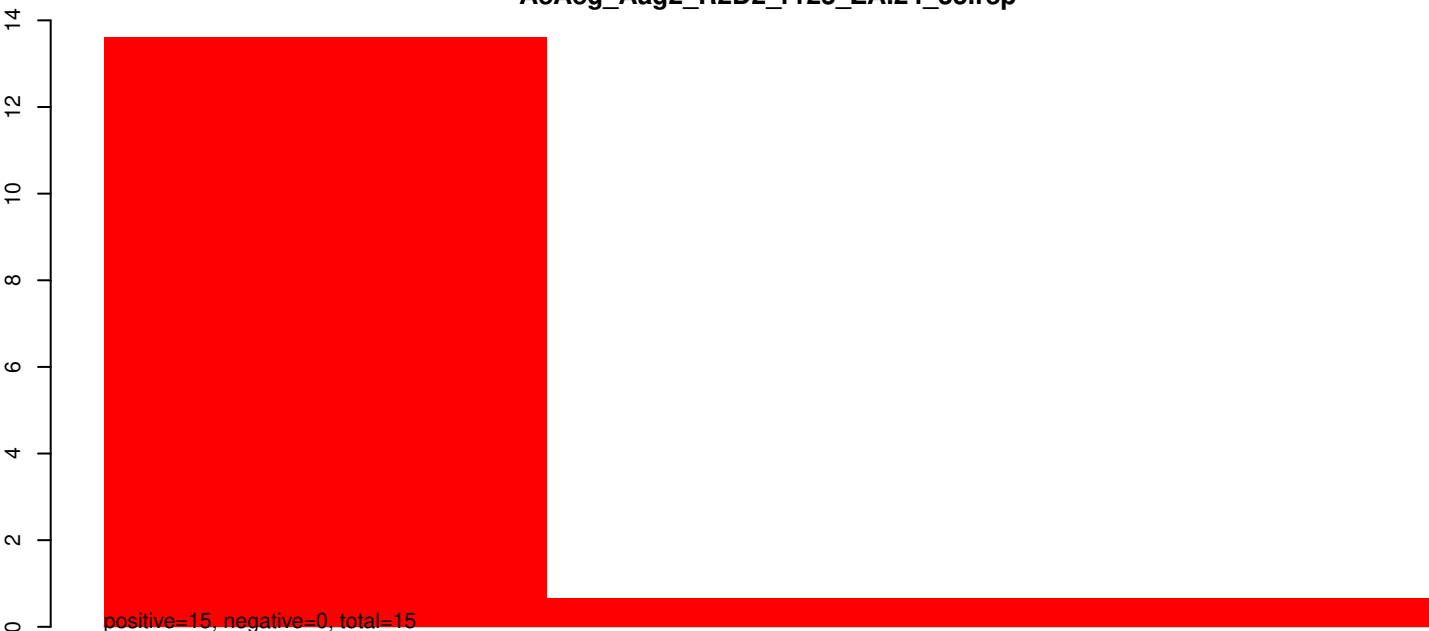
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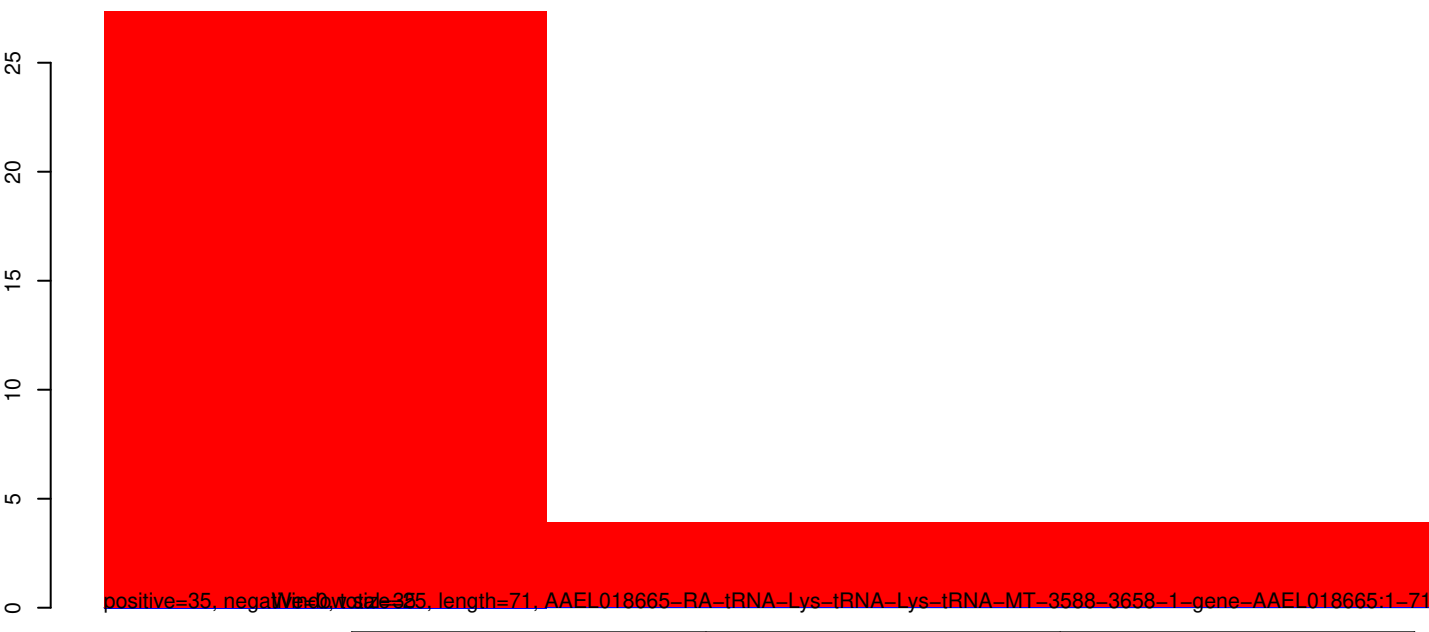
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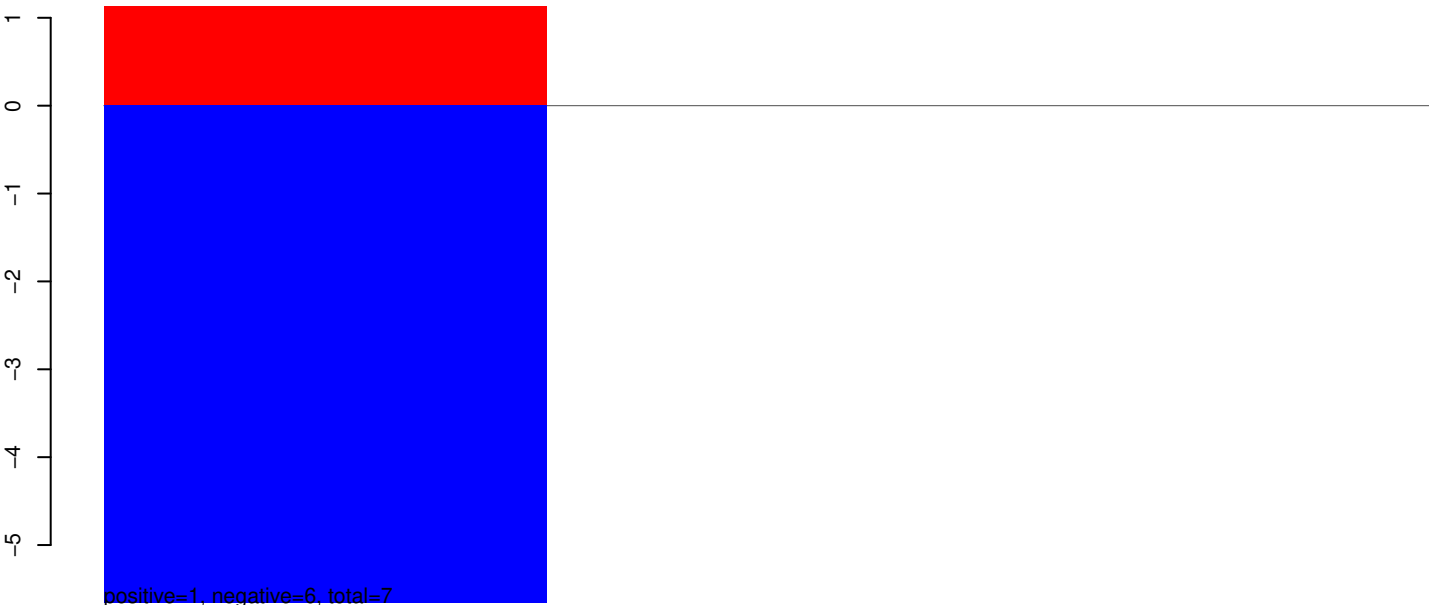


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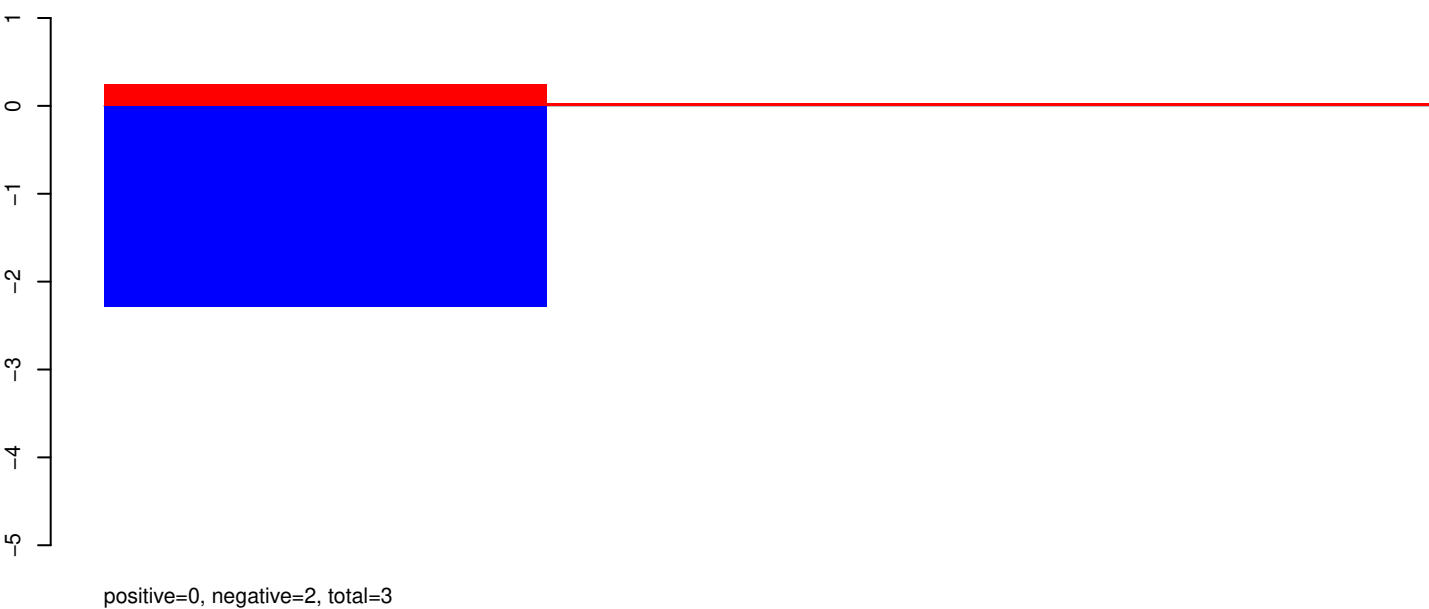


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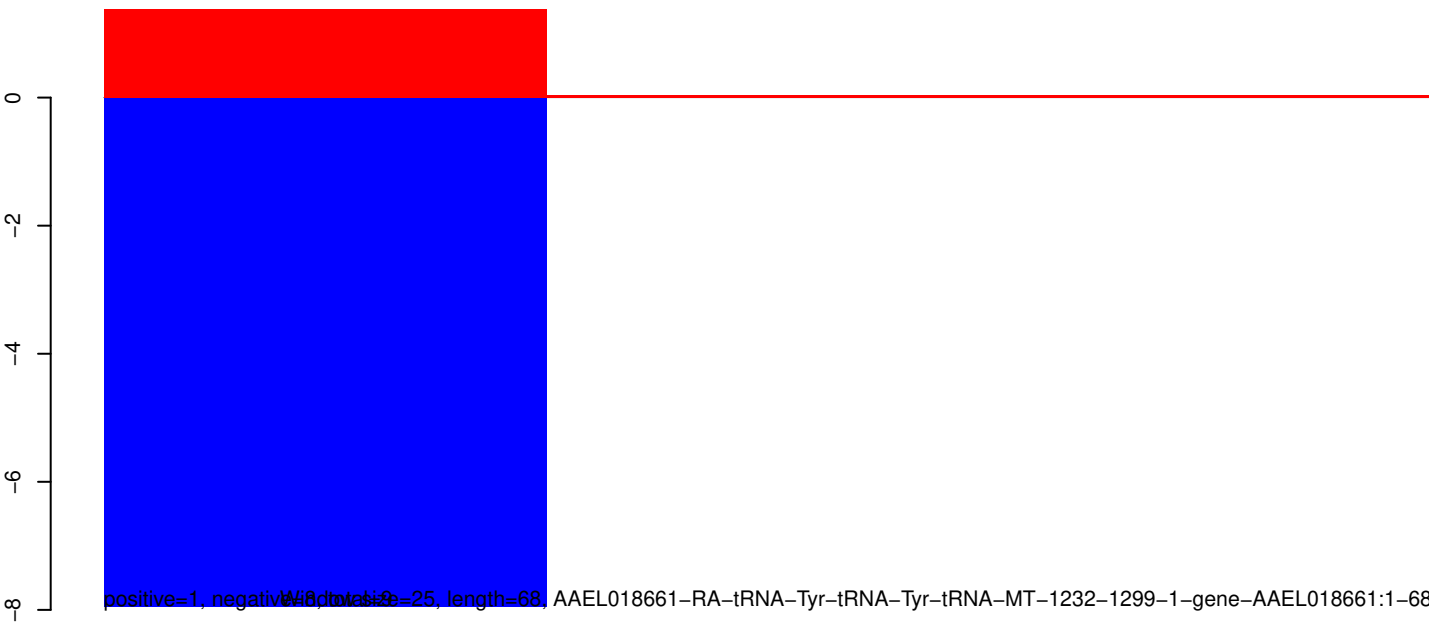
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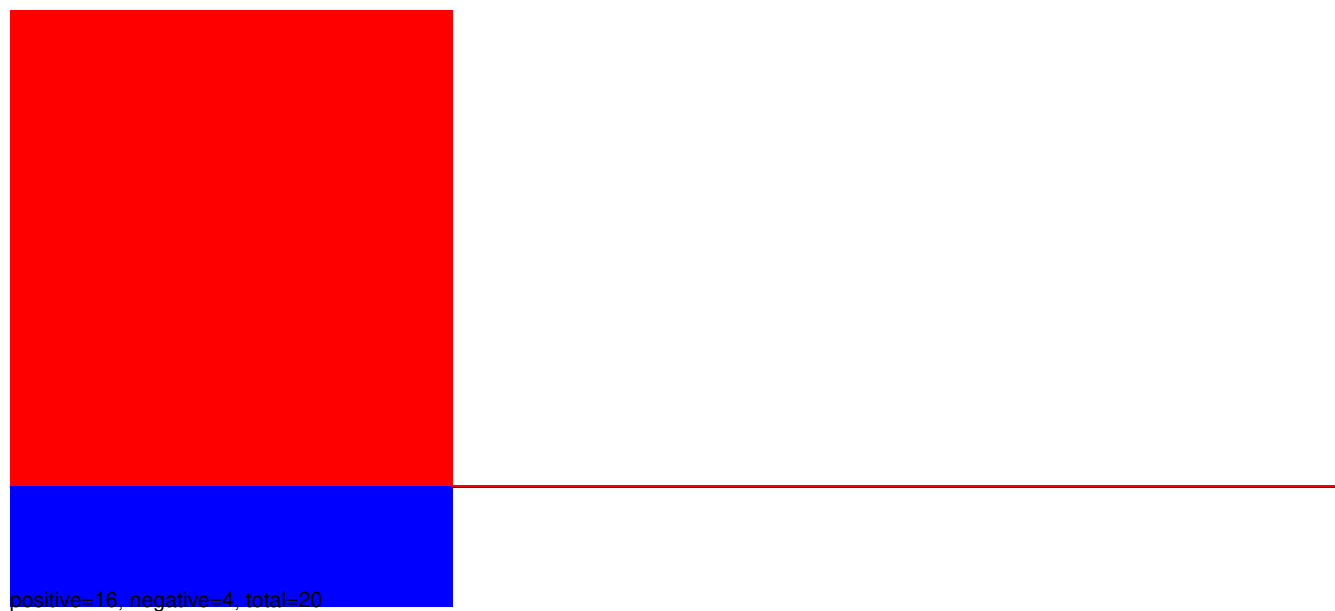
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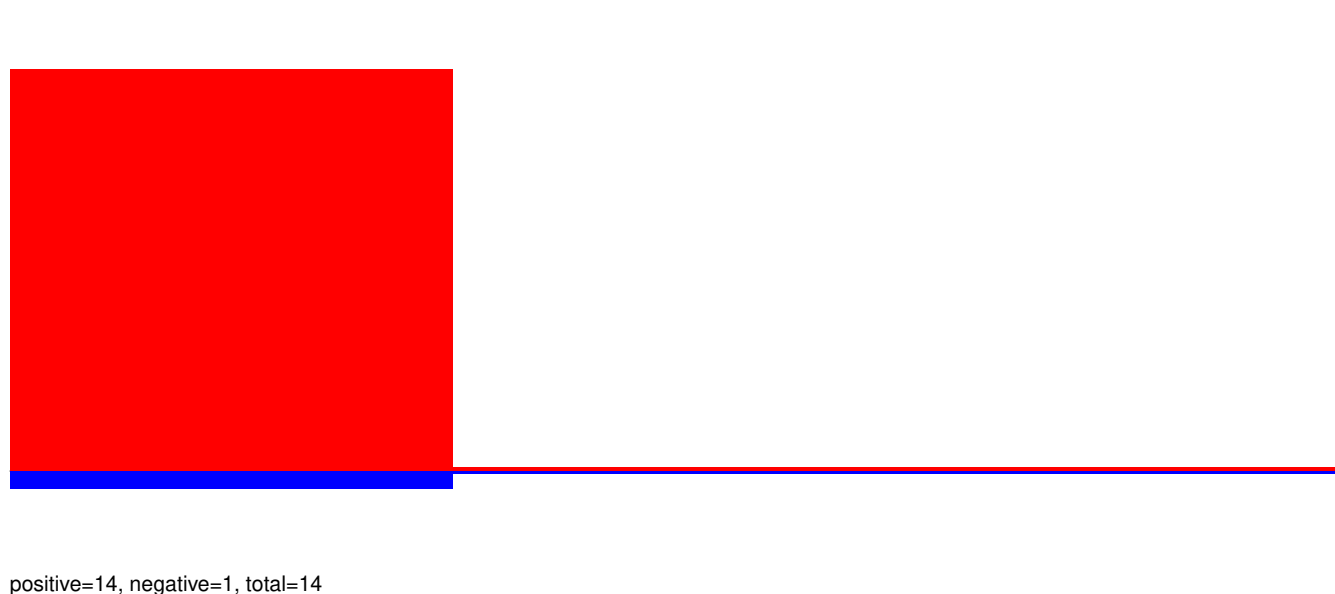
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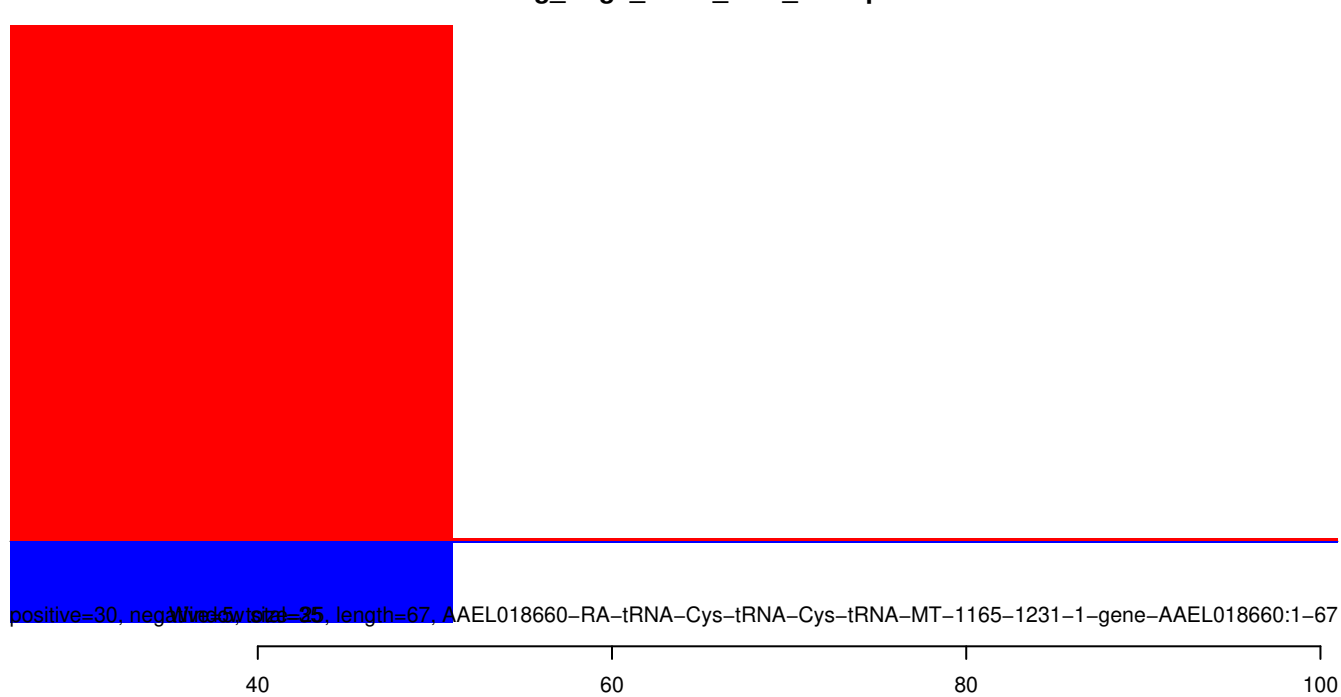
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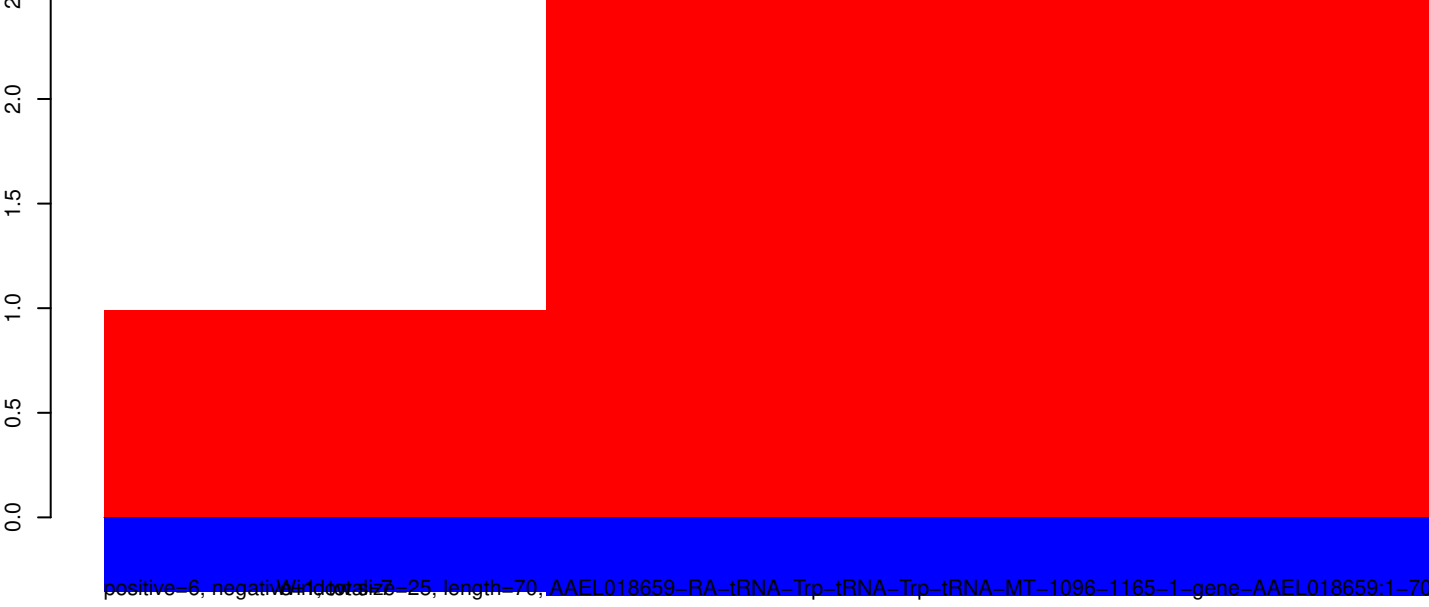
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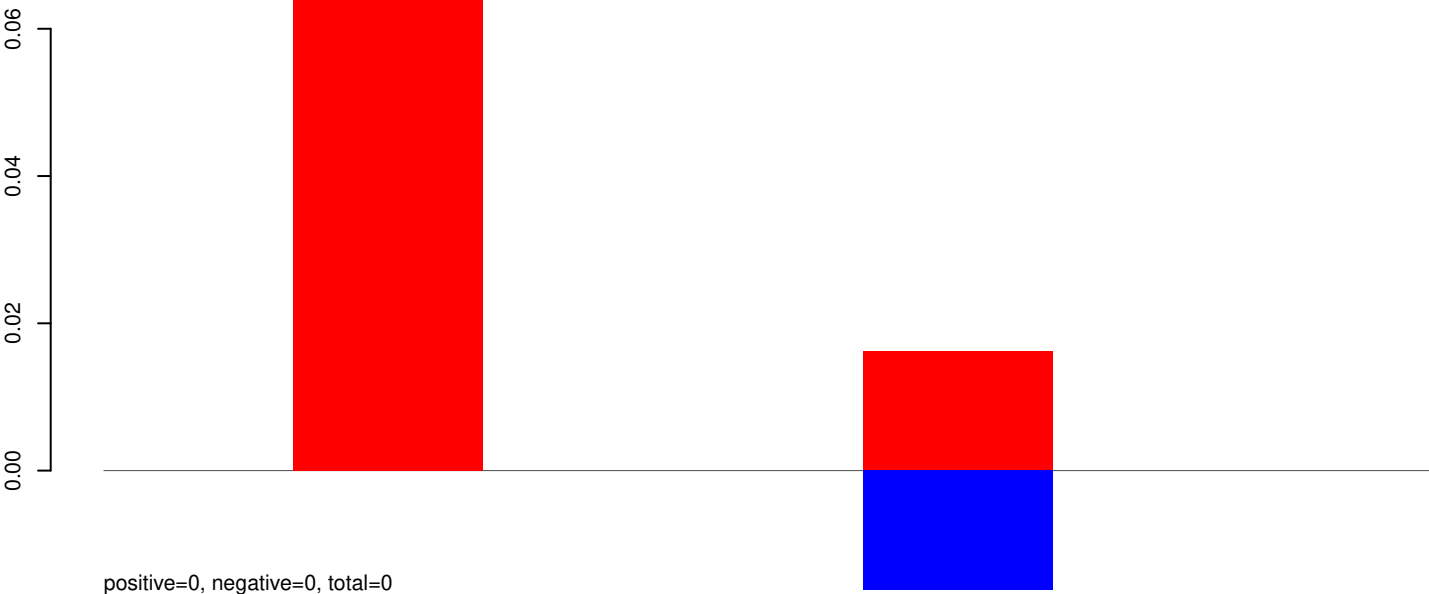
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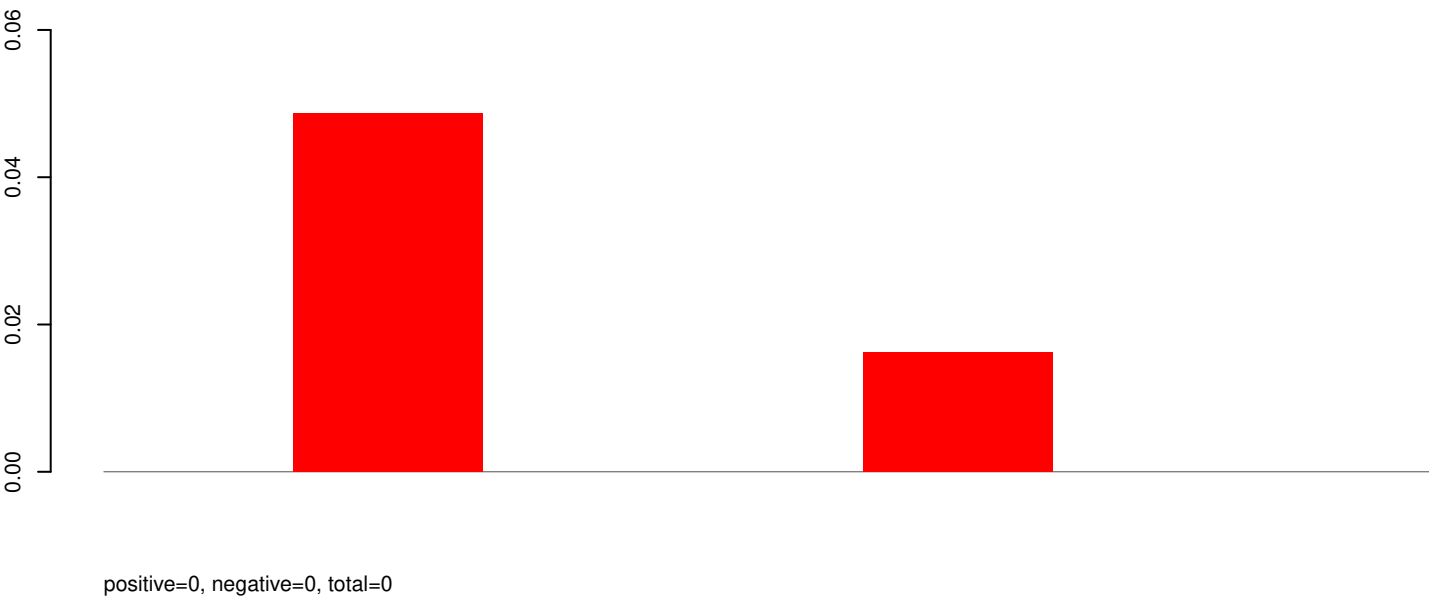
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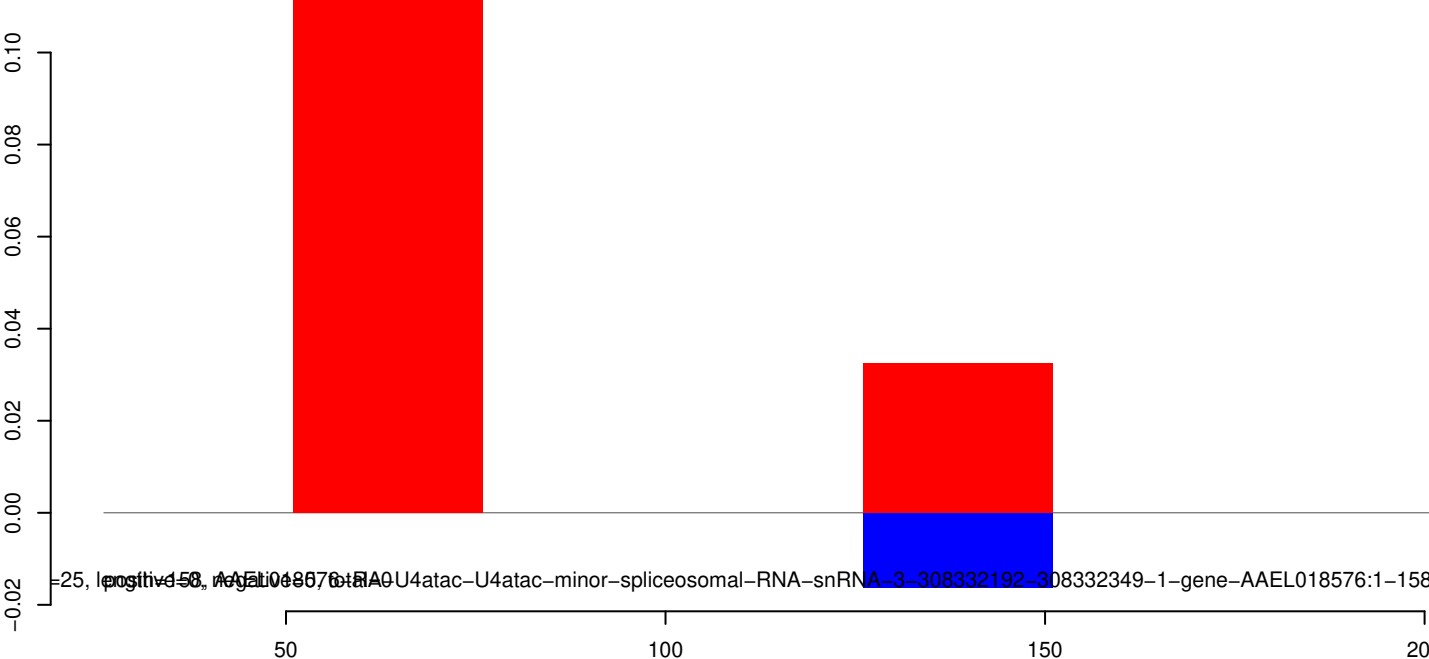
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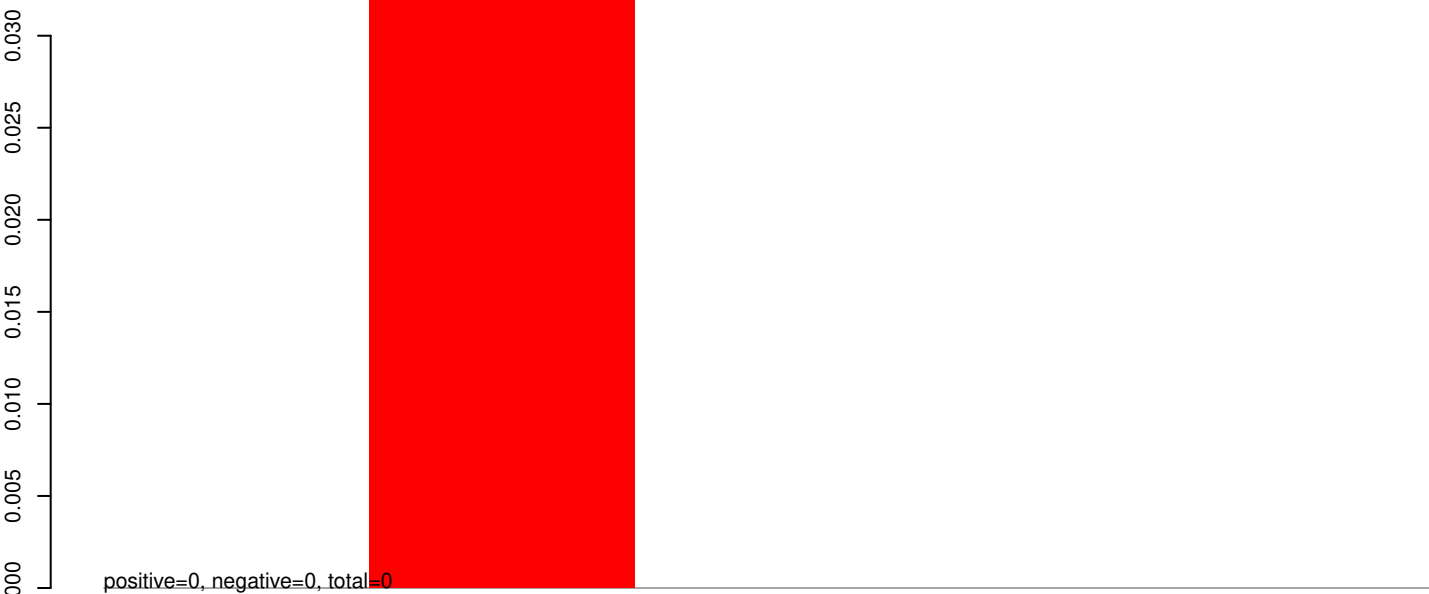


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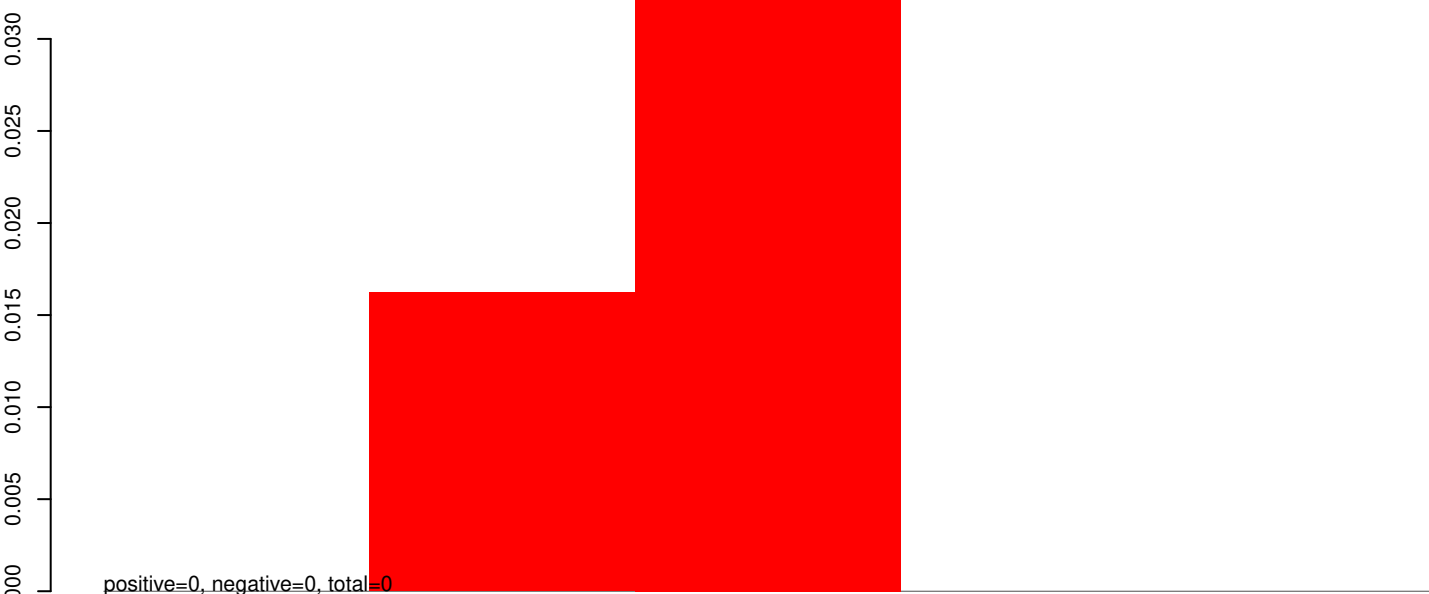


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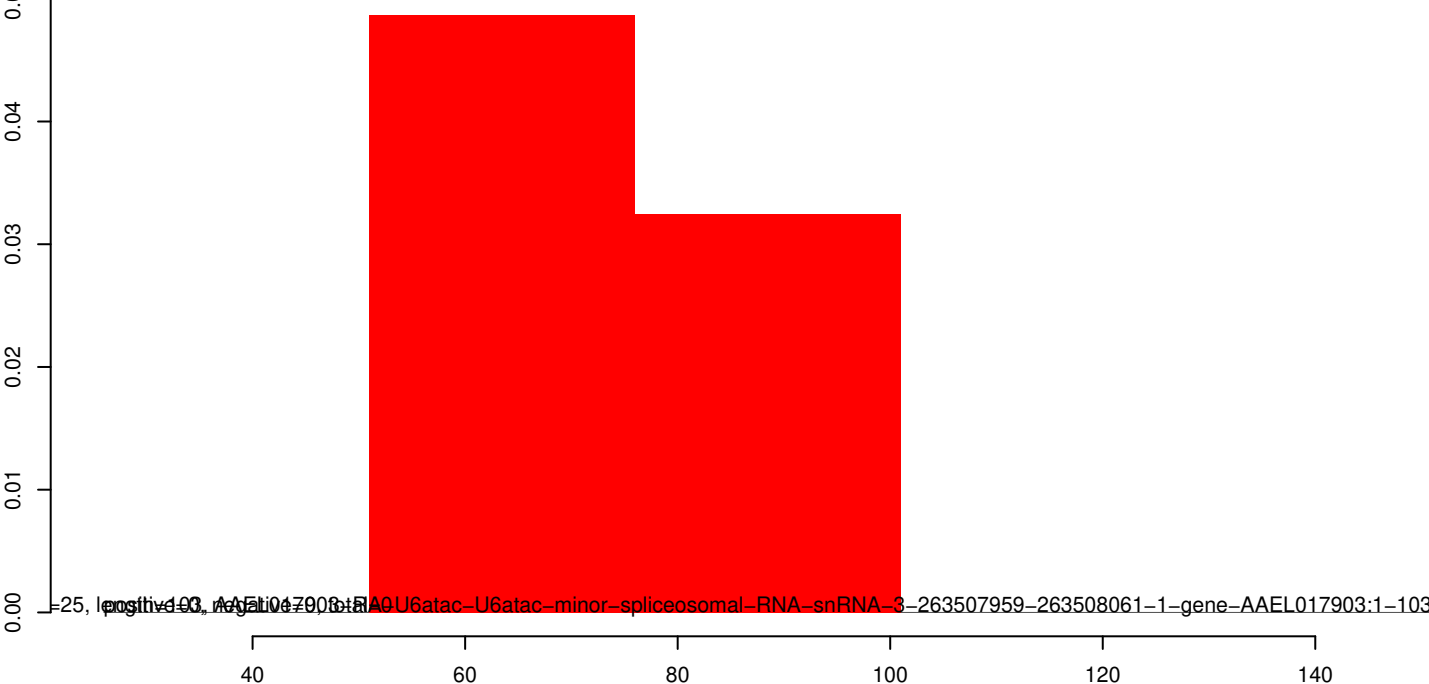
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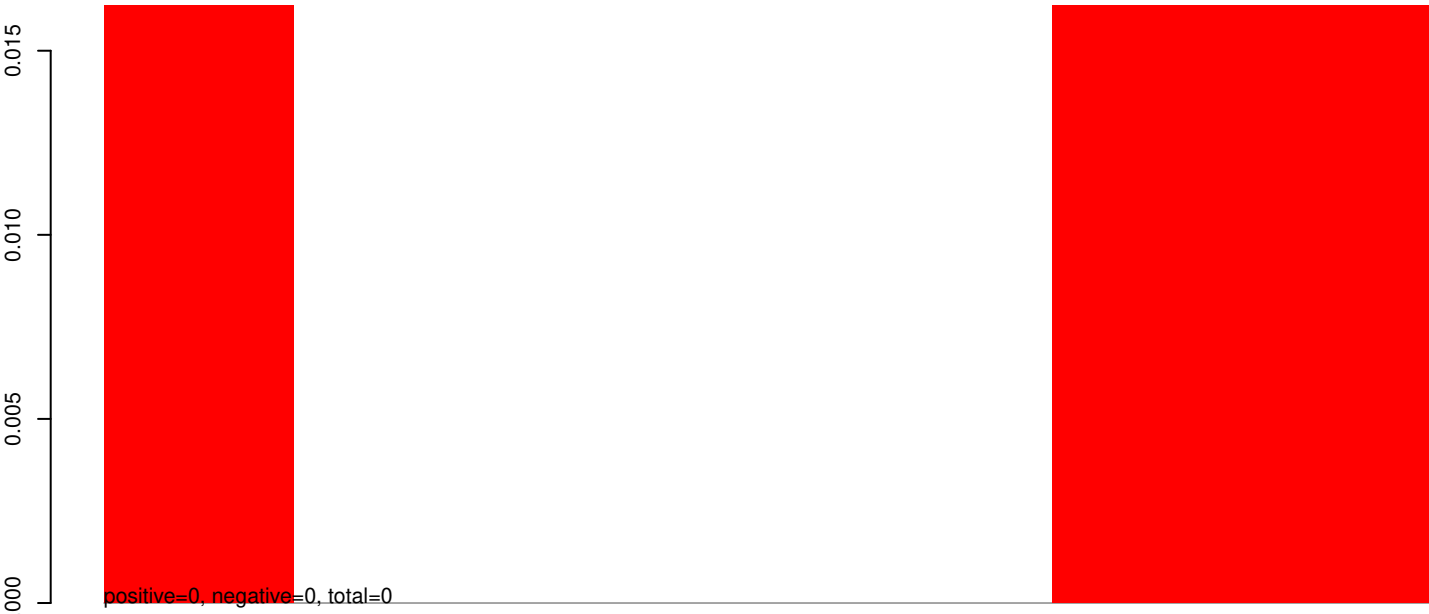
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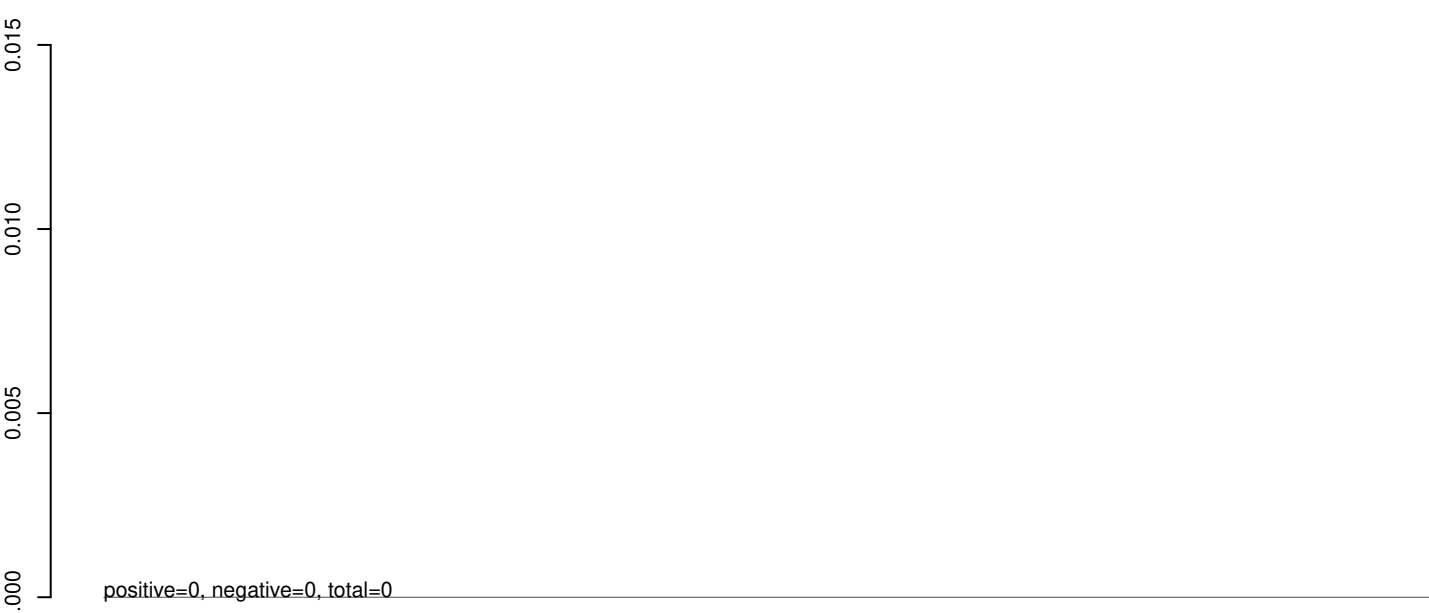
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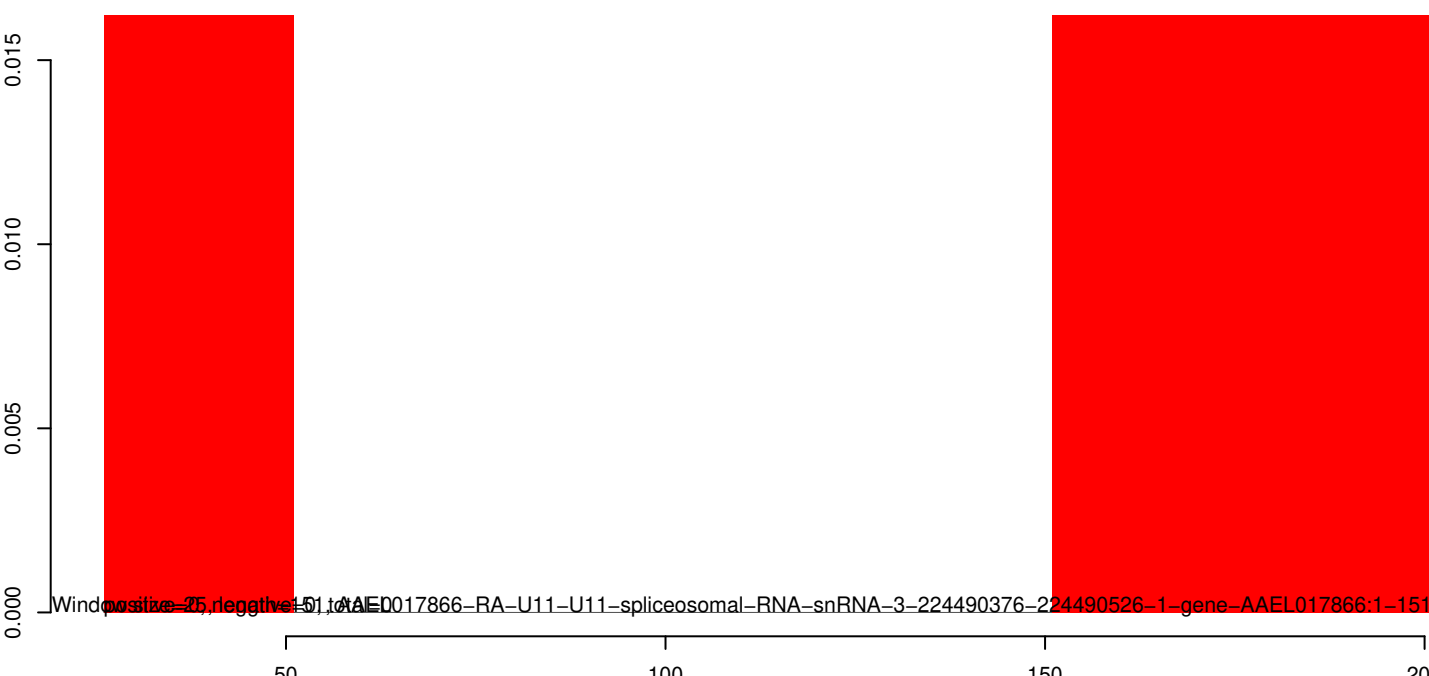
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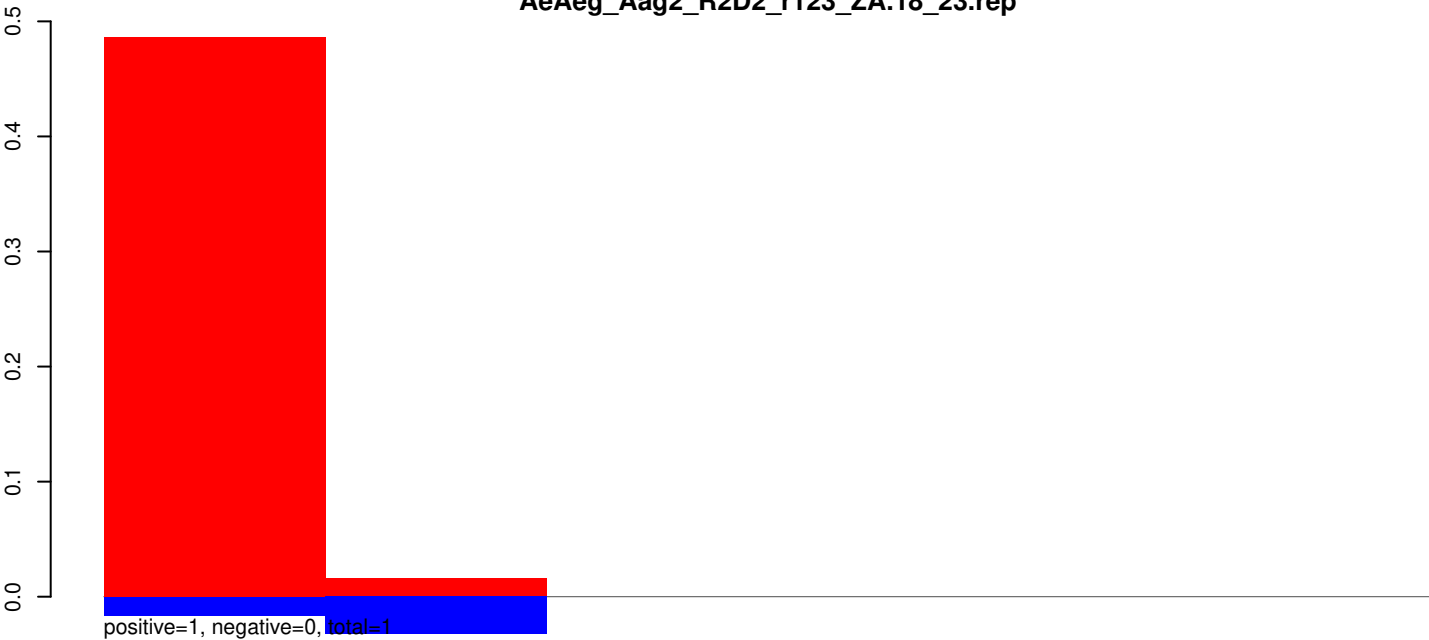


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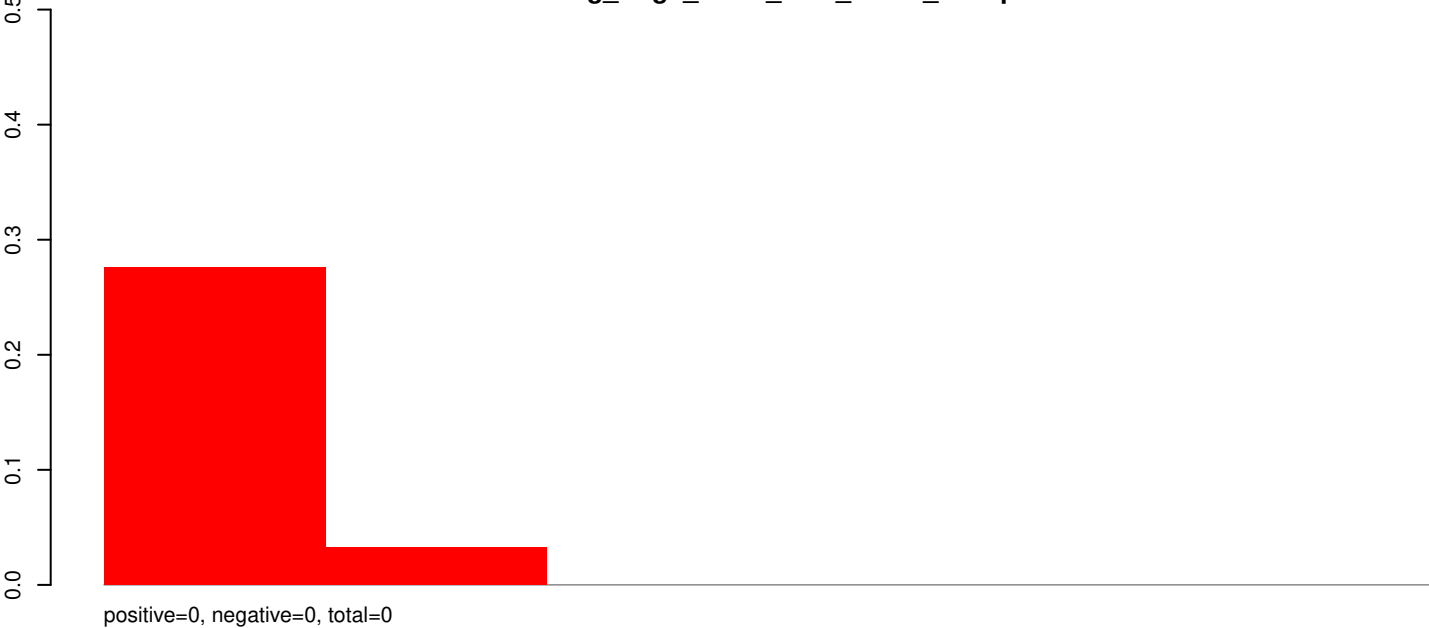




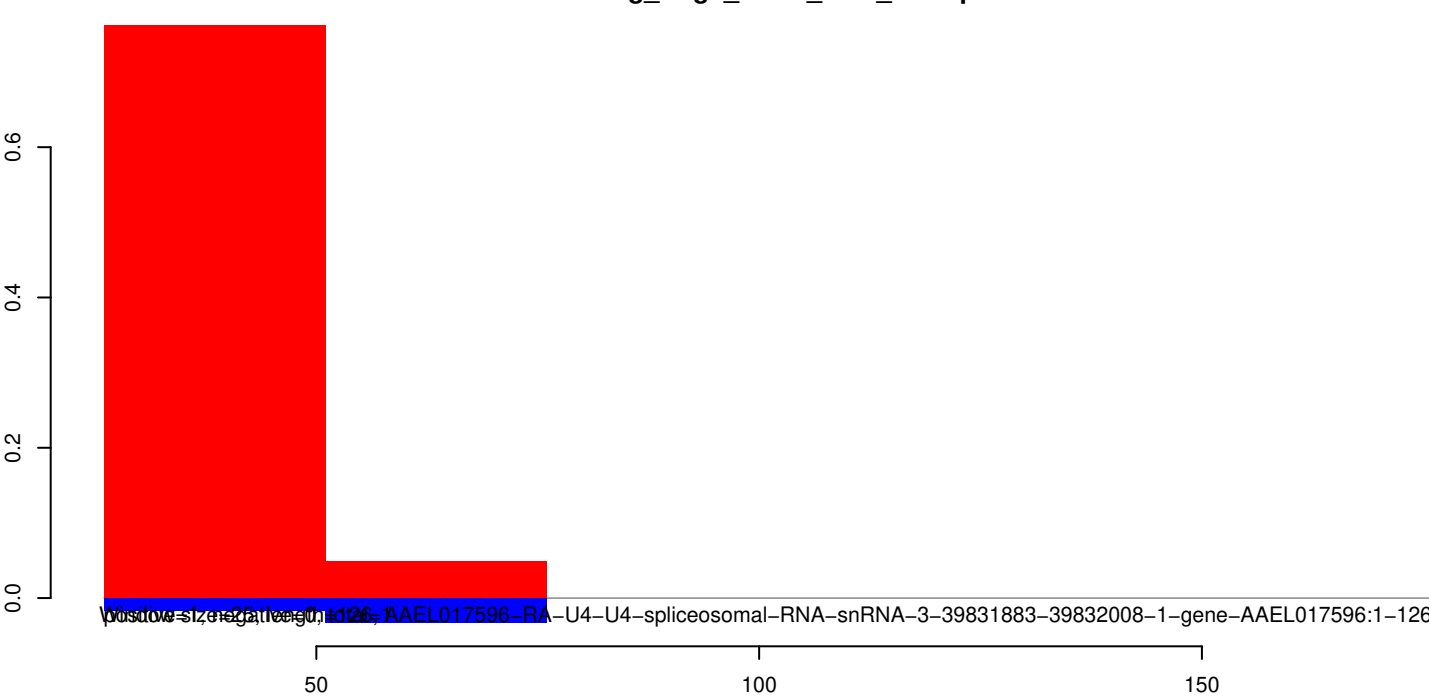
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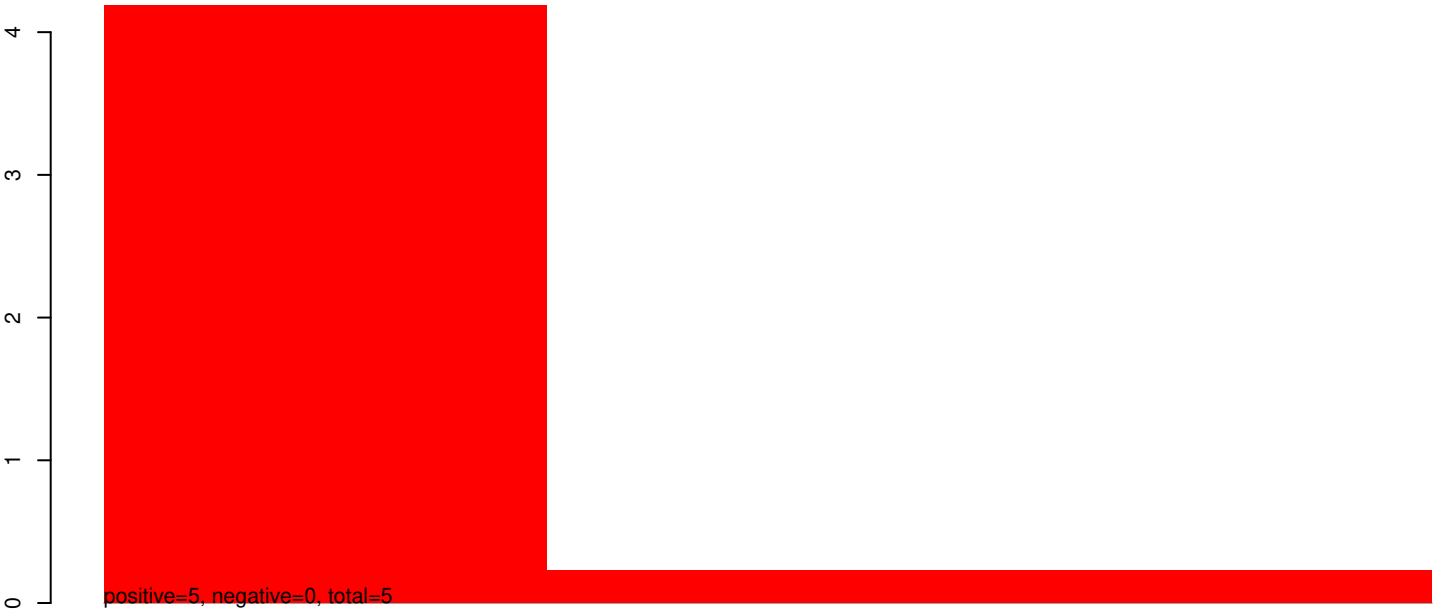
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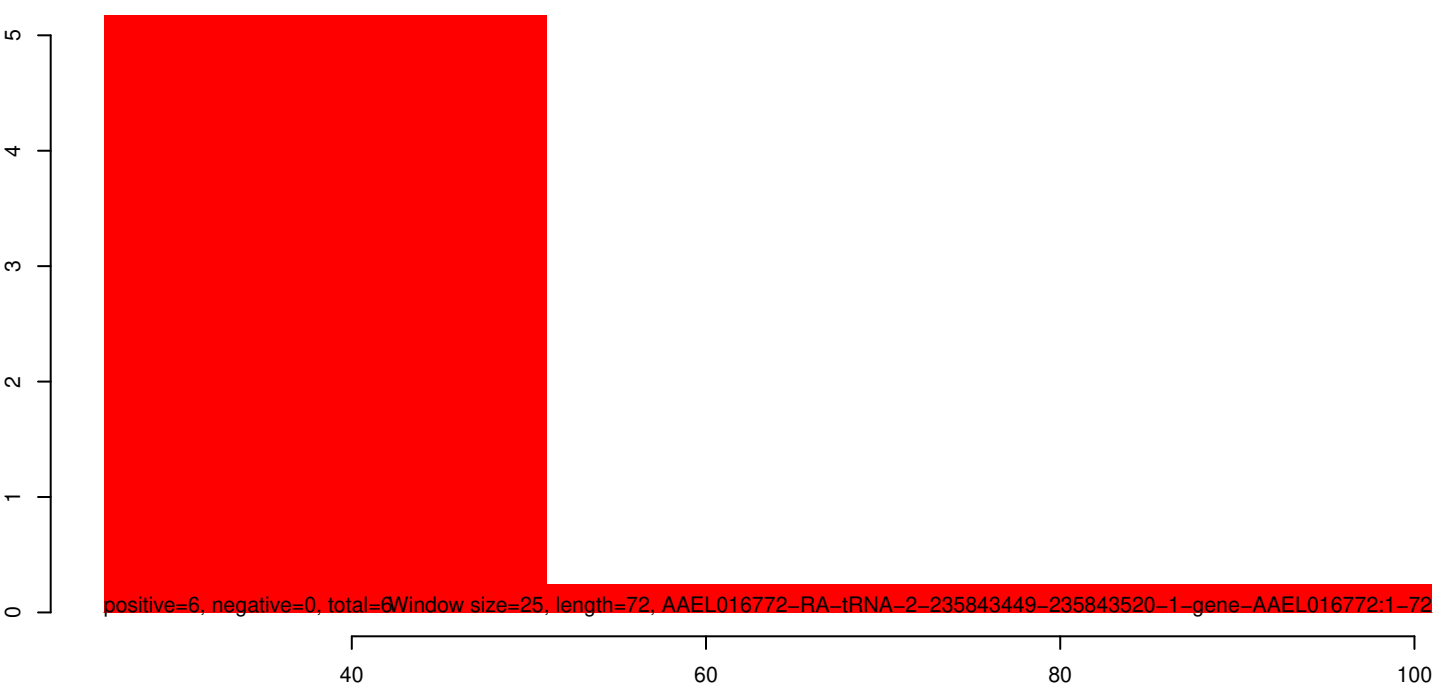
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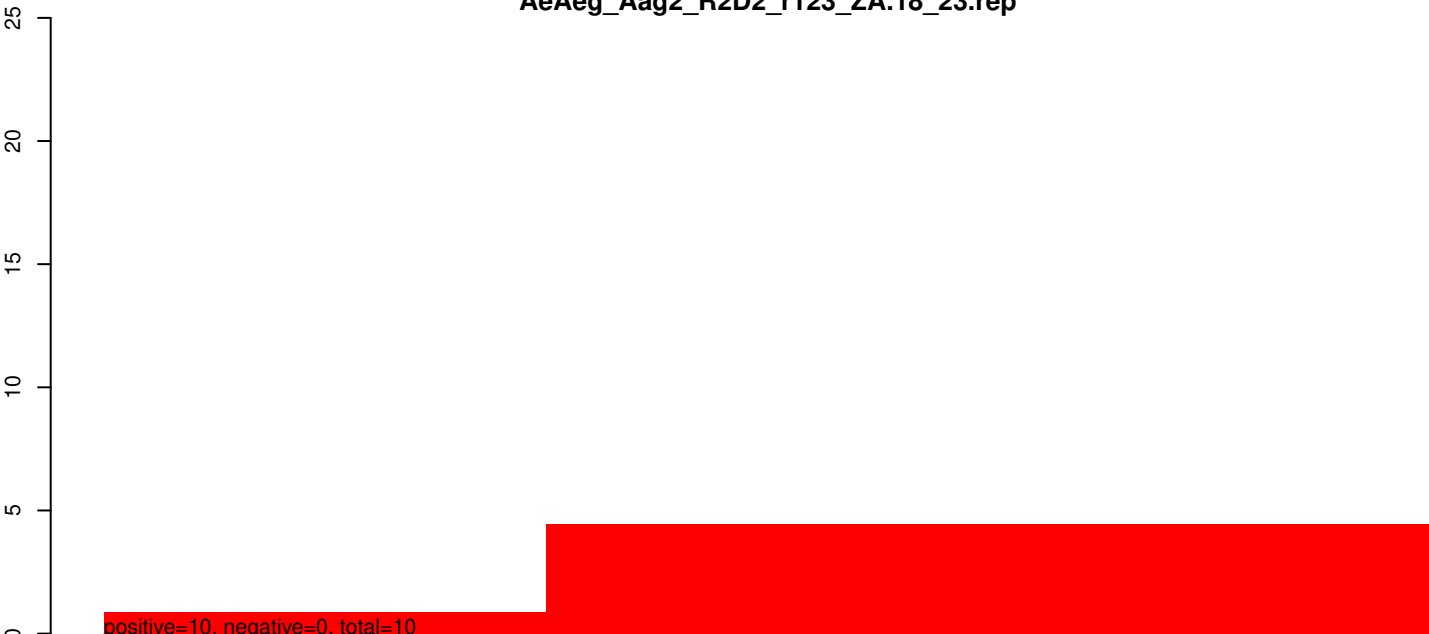
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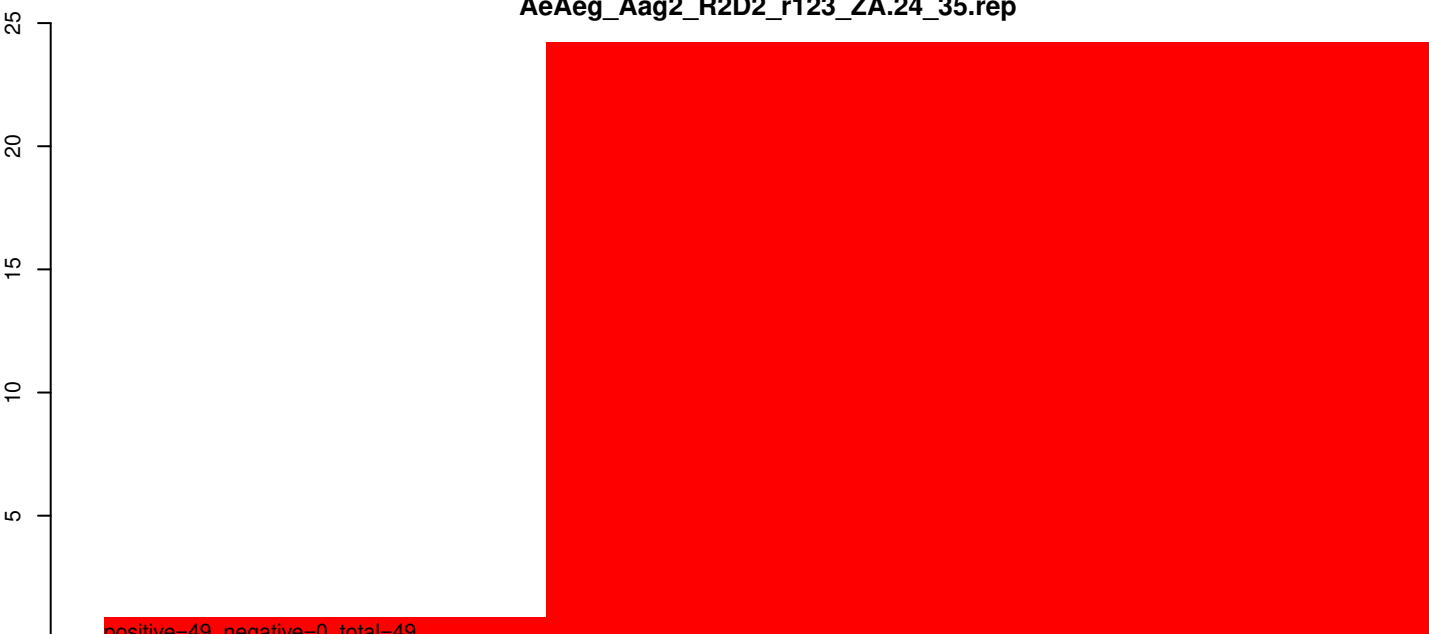
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**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



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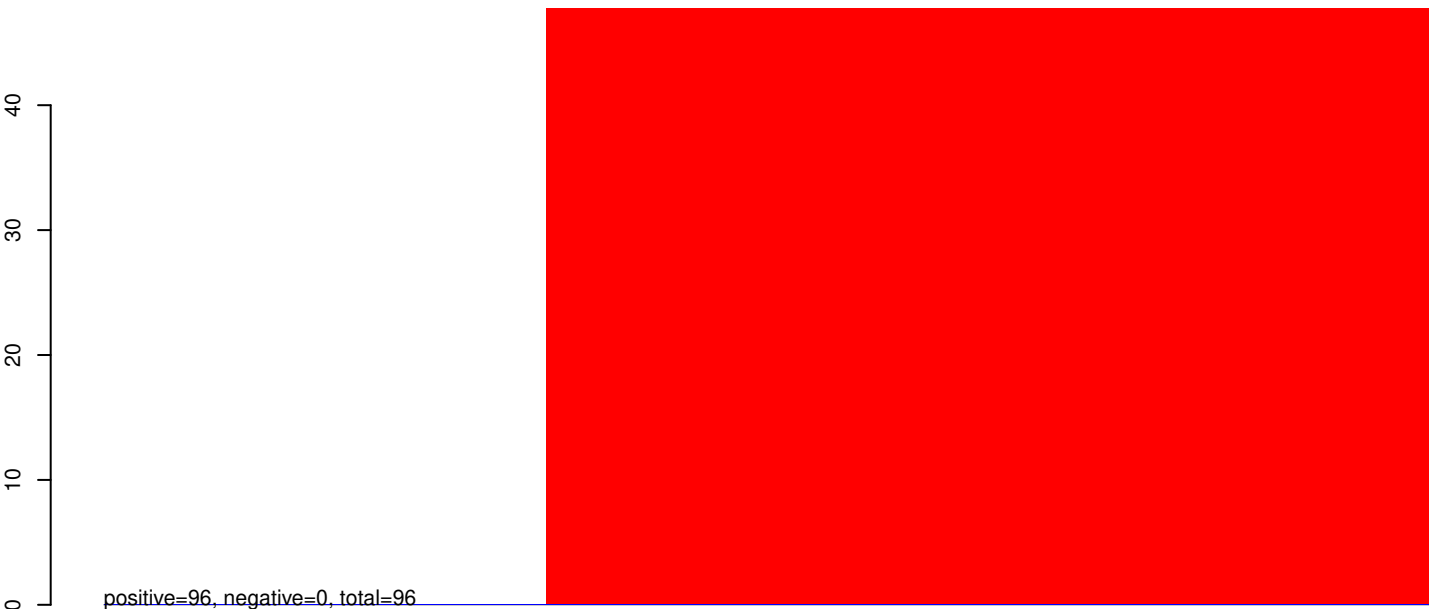


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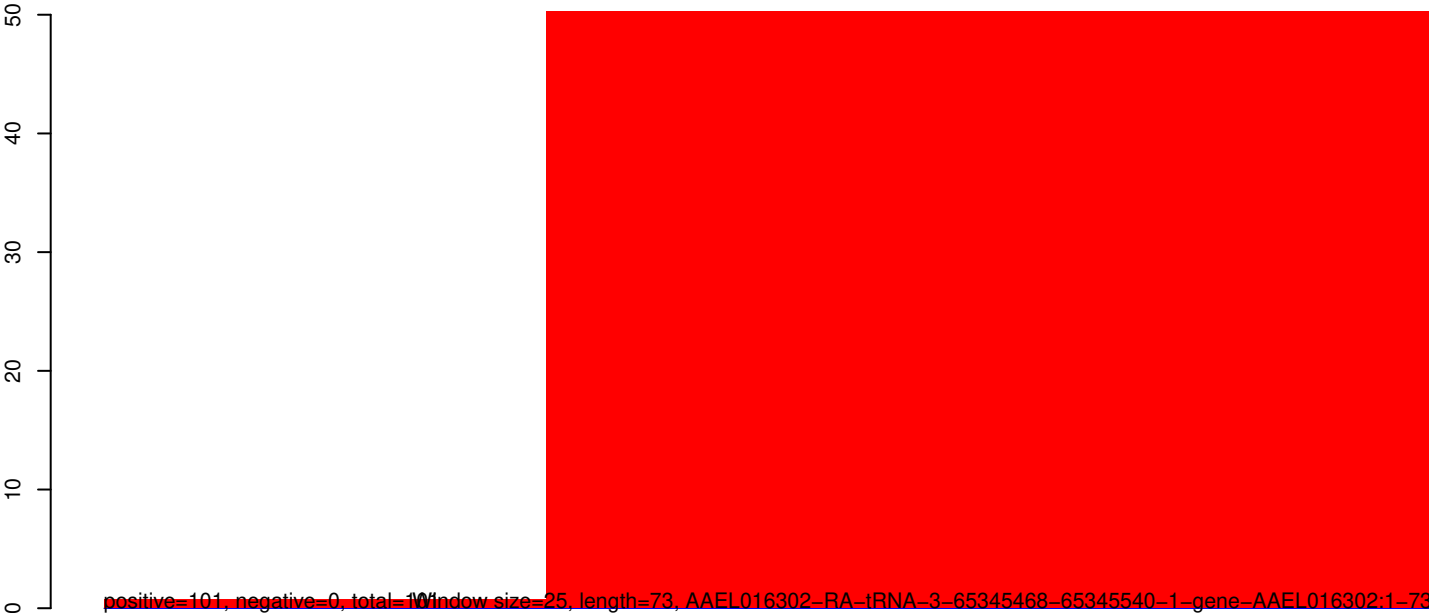
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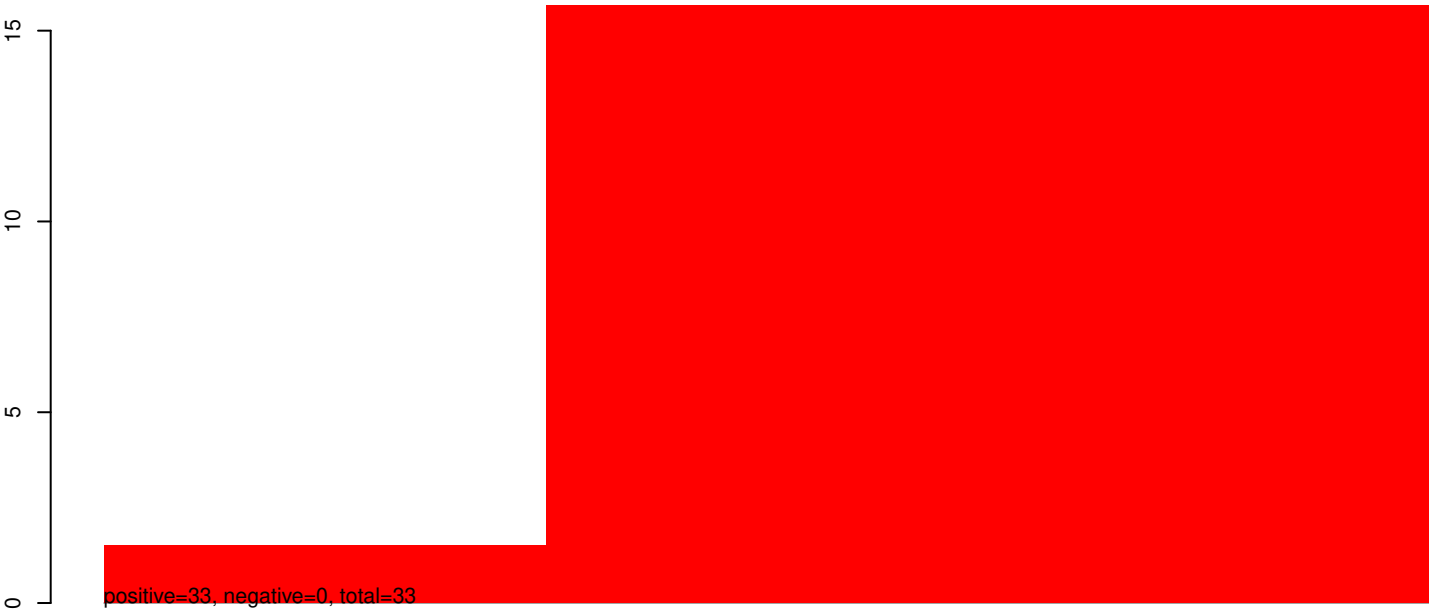


**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**



40 60 80 100

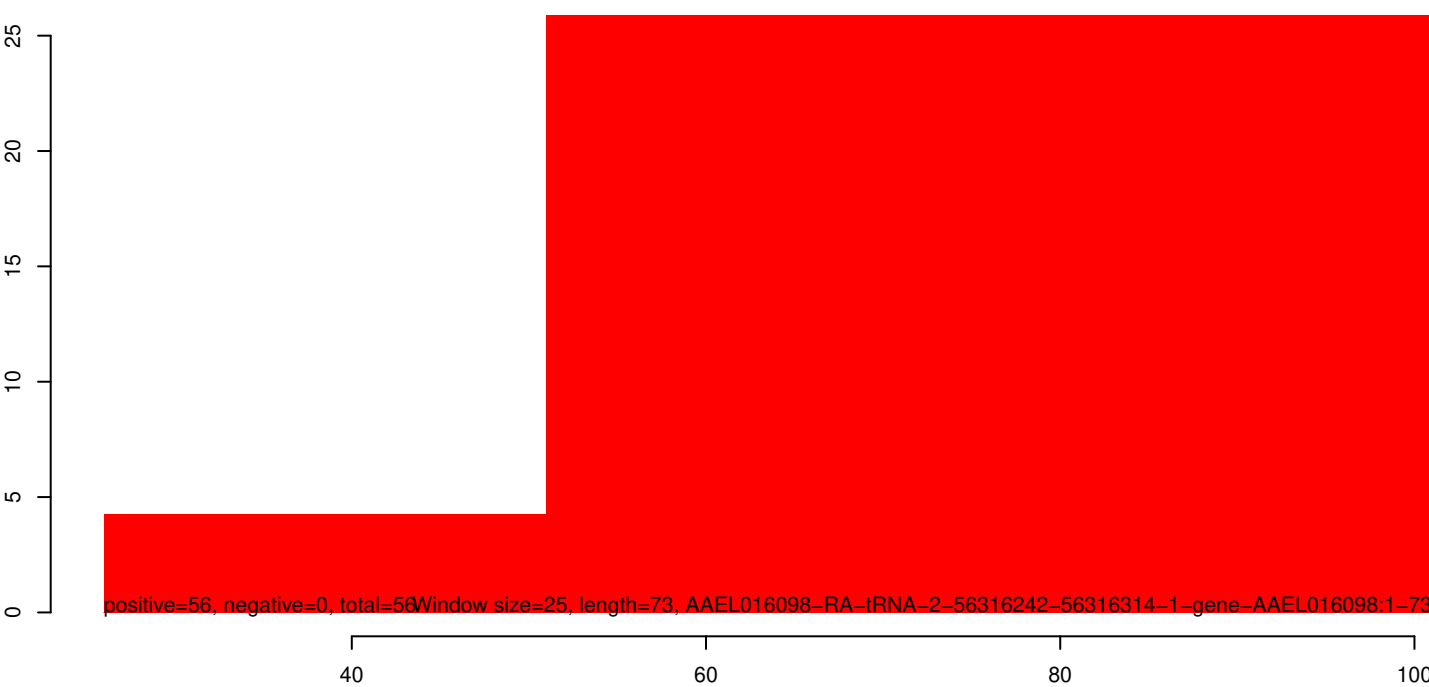
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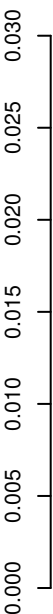
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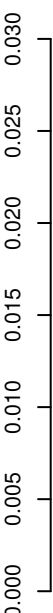


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positive=0, negative=0, total=0

**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**



positive=0, negative=0, total=0

**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**



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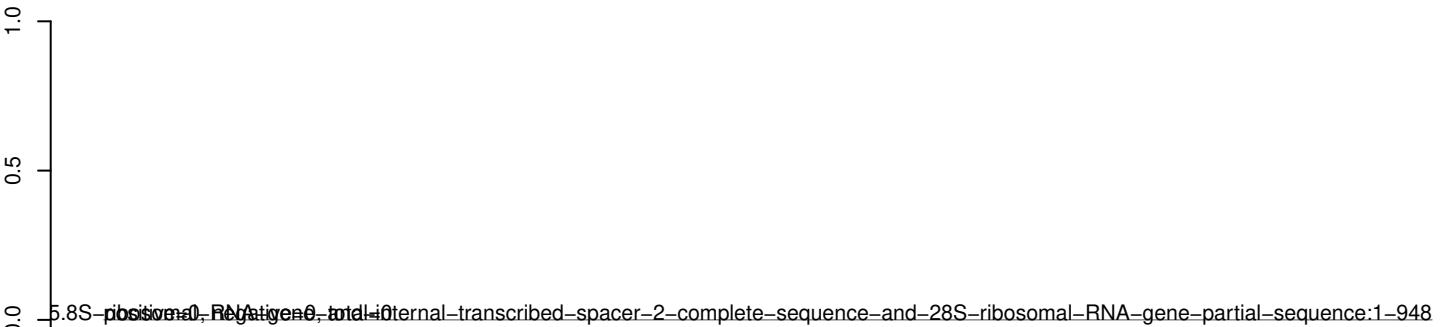
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**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**



**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**



0 200 400 600 800 1000

**AeAeg\_Aag2\_R2D2\_r123\_ZA.18\_23.rep**



**AeAeg\_Aag2\_R2D2\_r123\_ZA.24\_35.rep**



**AeAeg\_Aag2\_R2D2\_r123\_ZA.rep**

