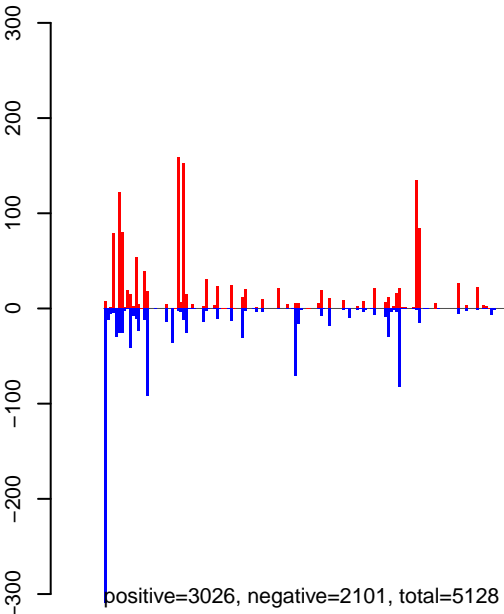
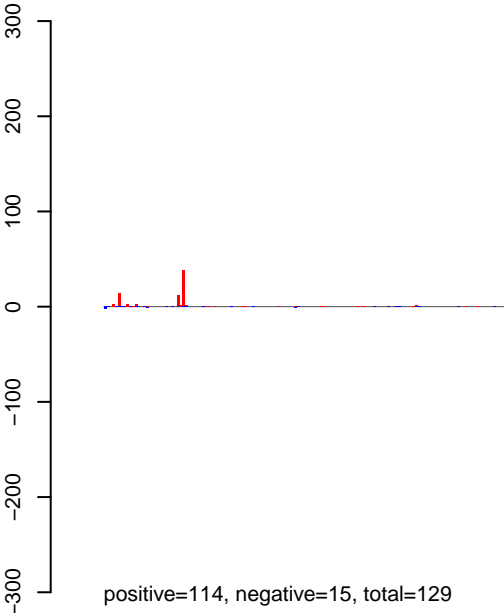


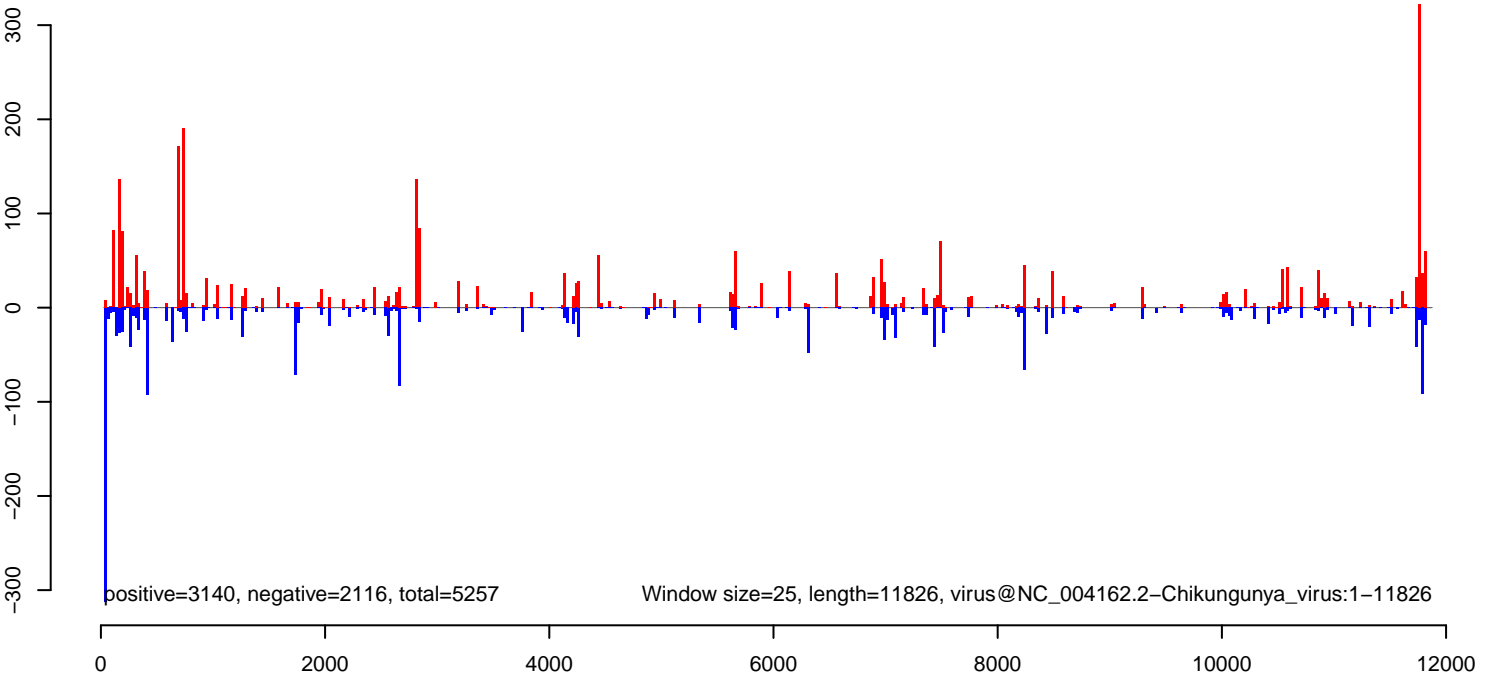
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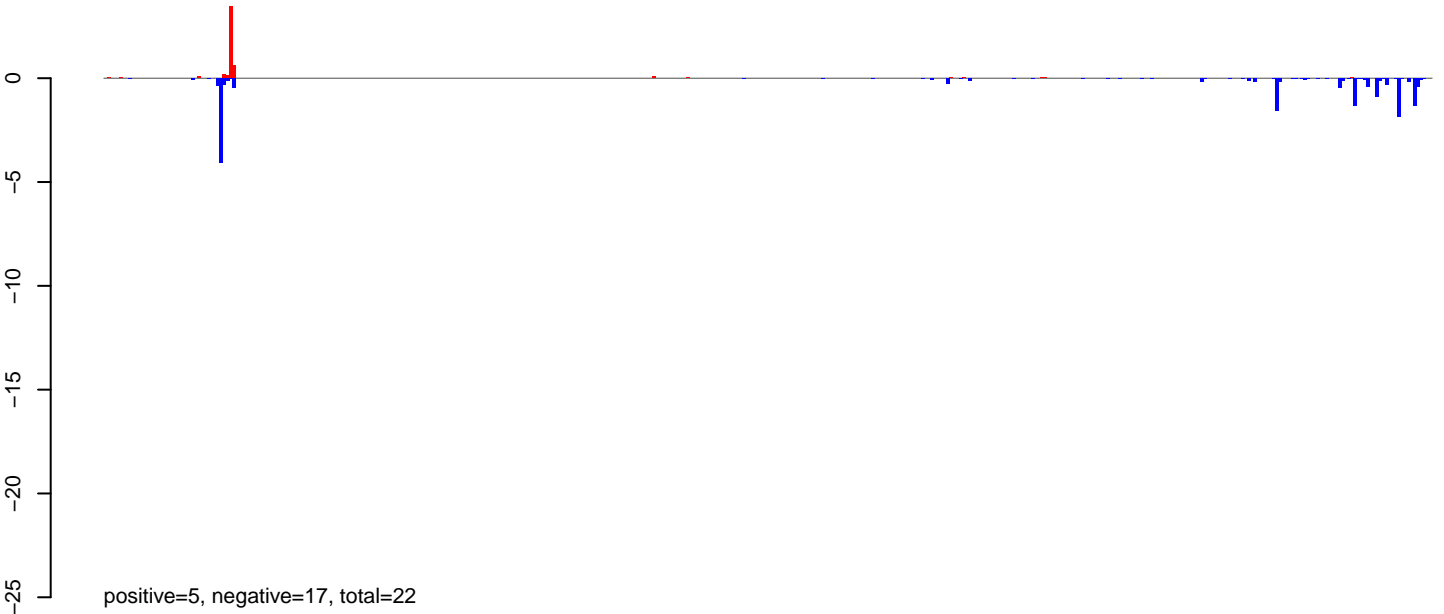
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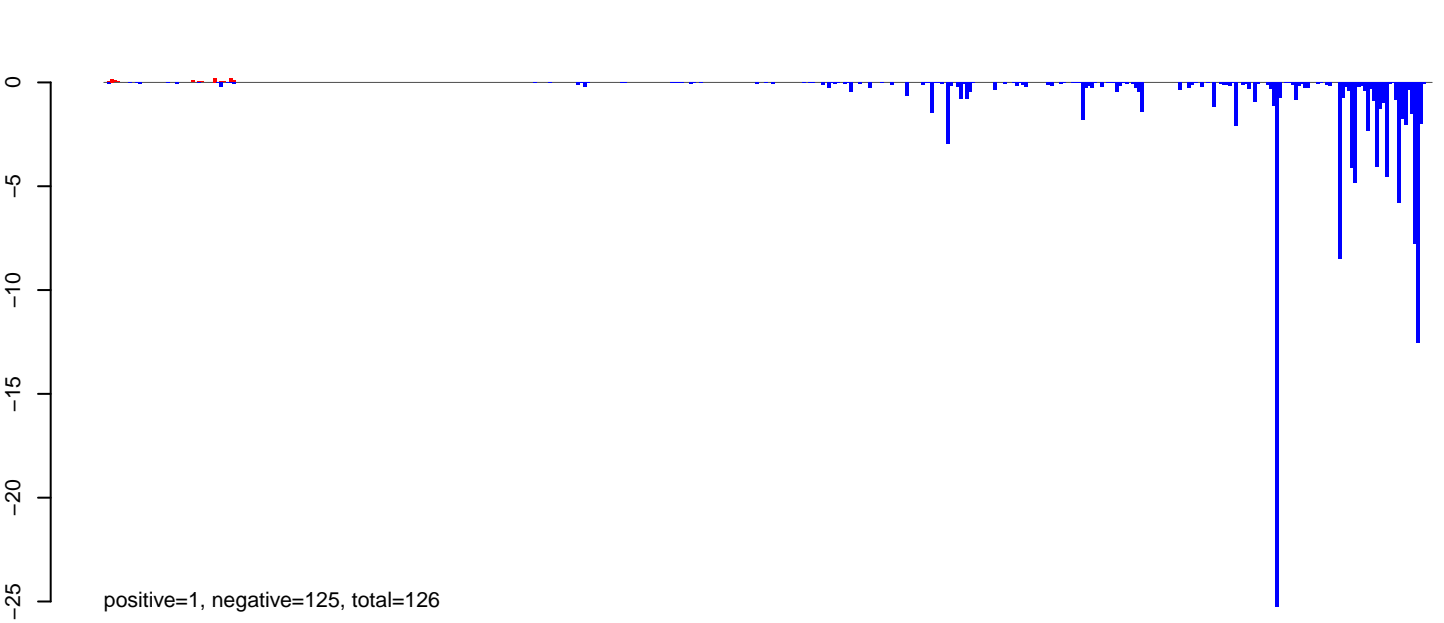
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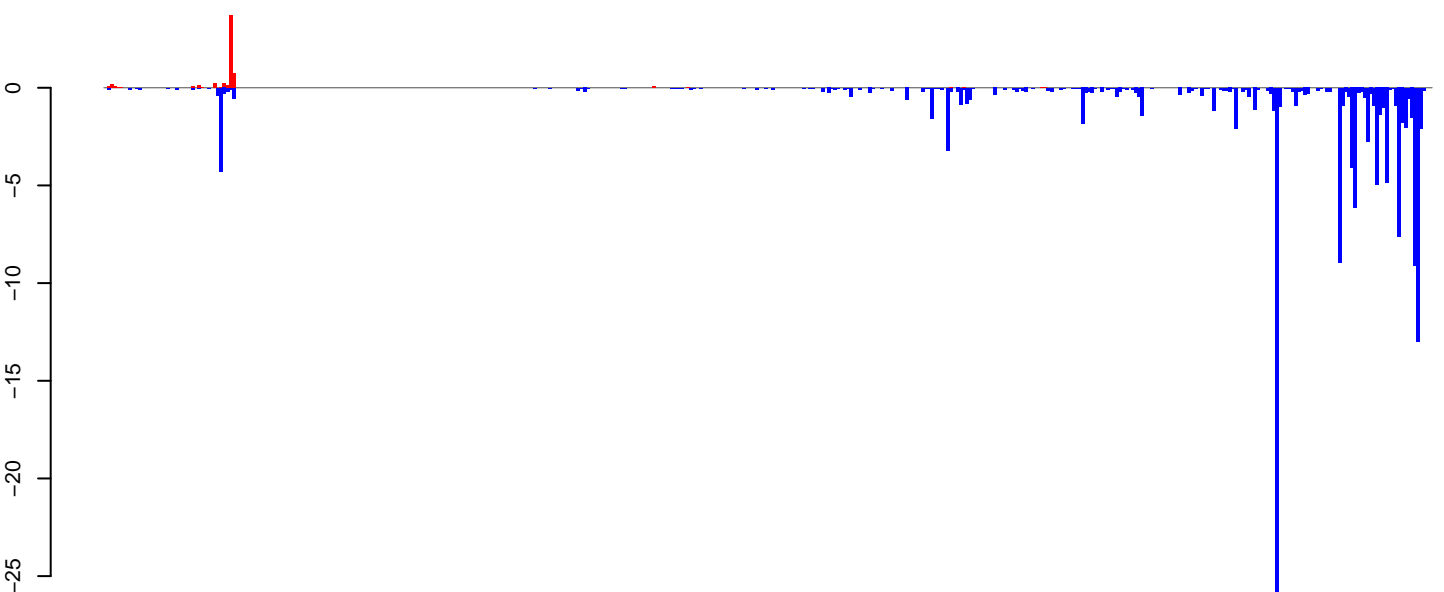
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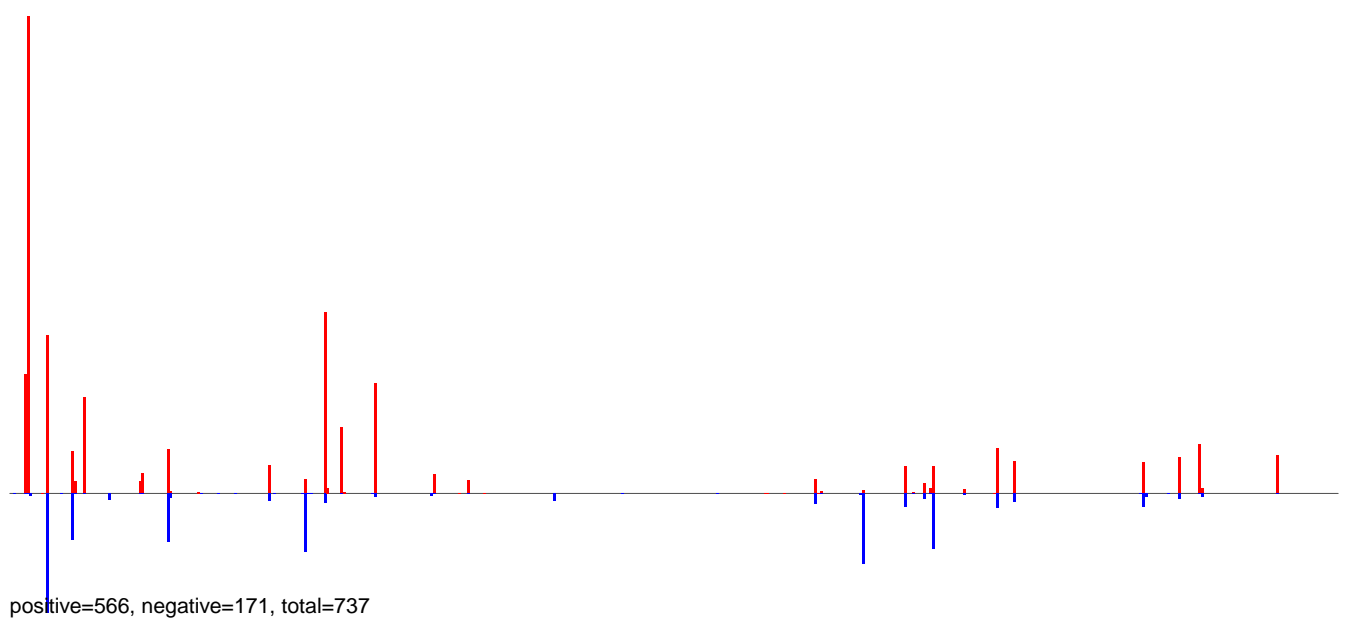
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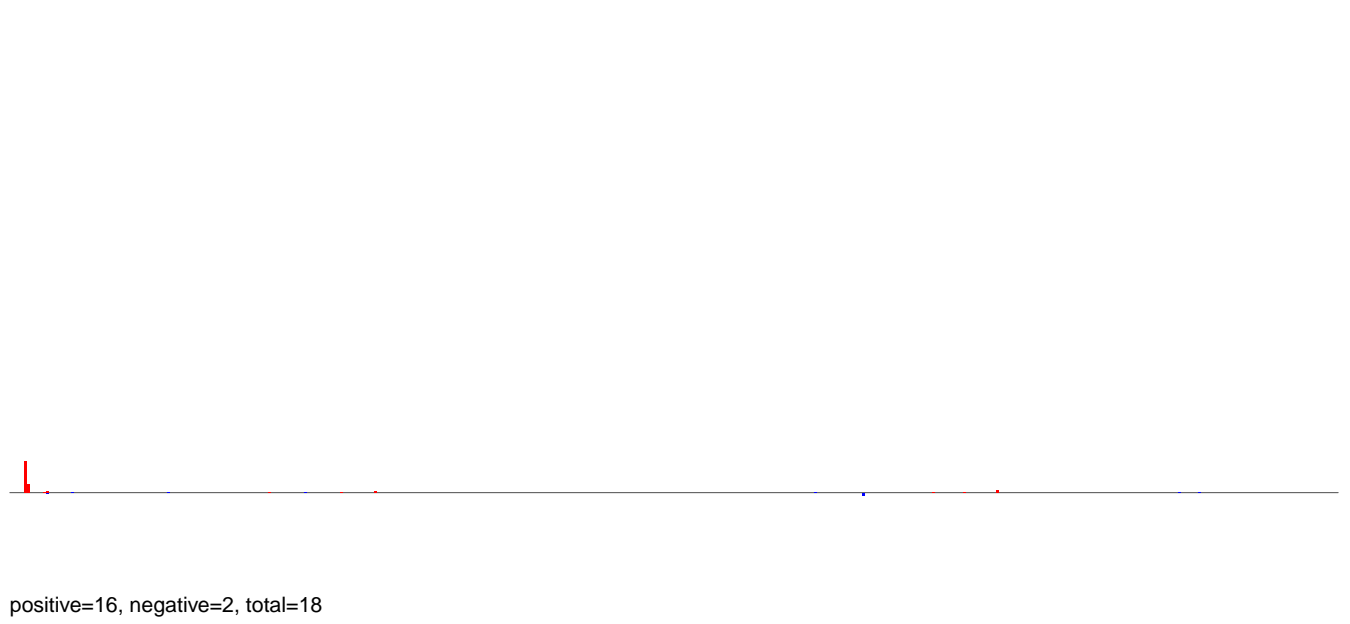
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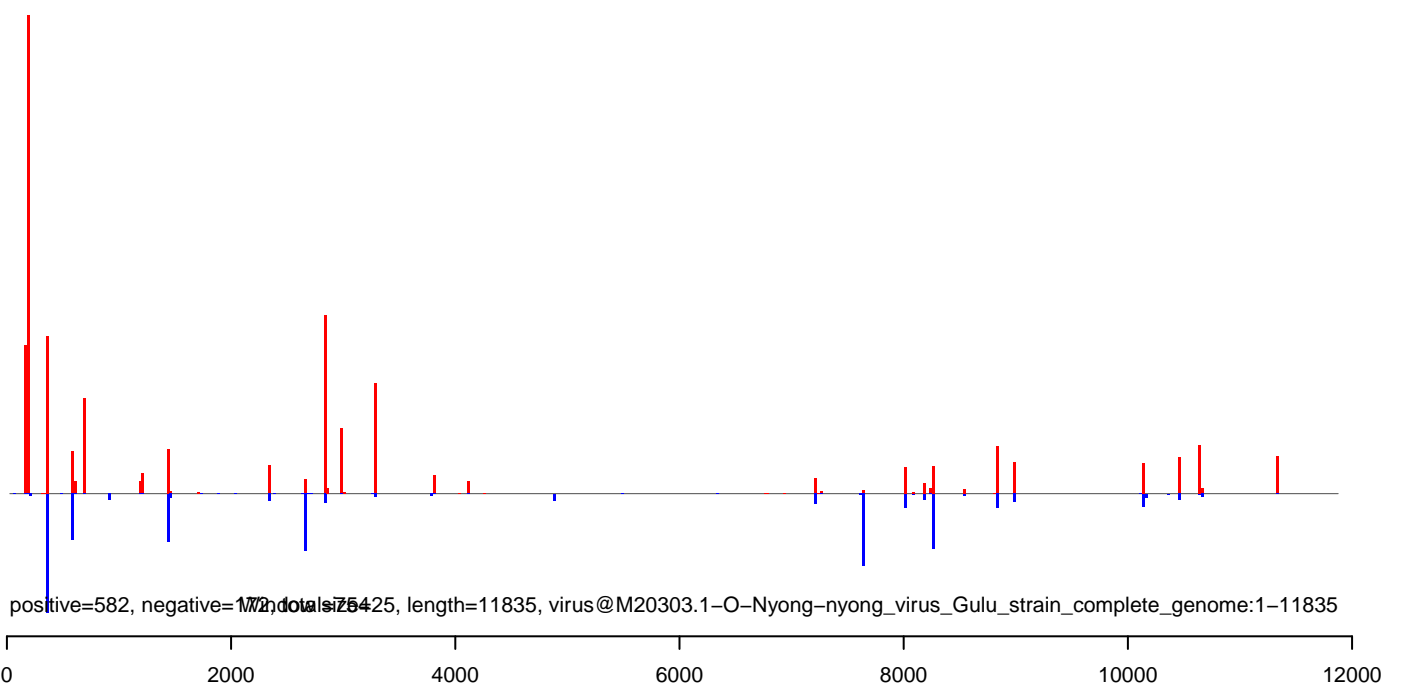
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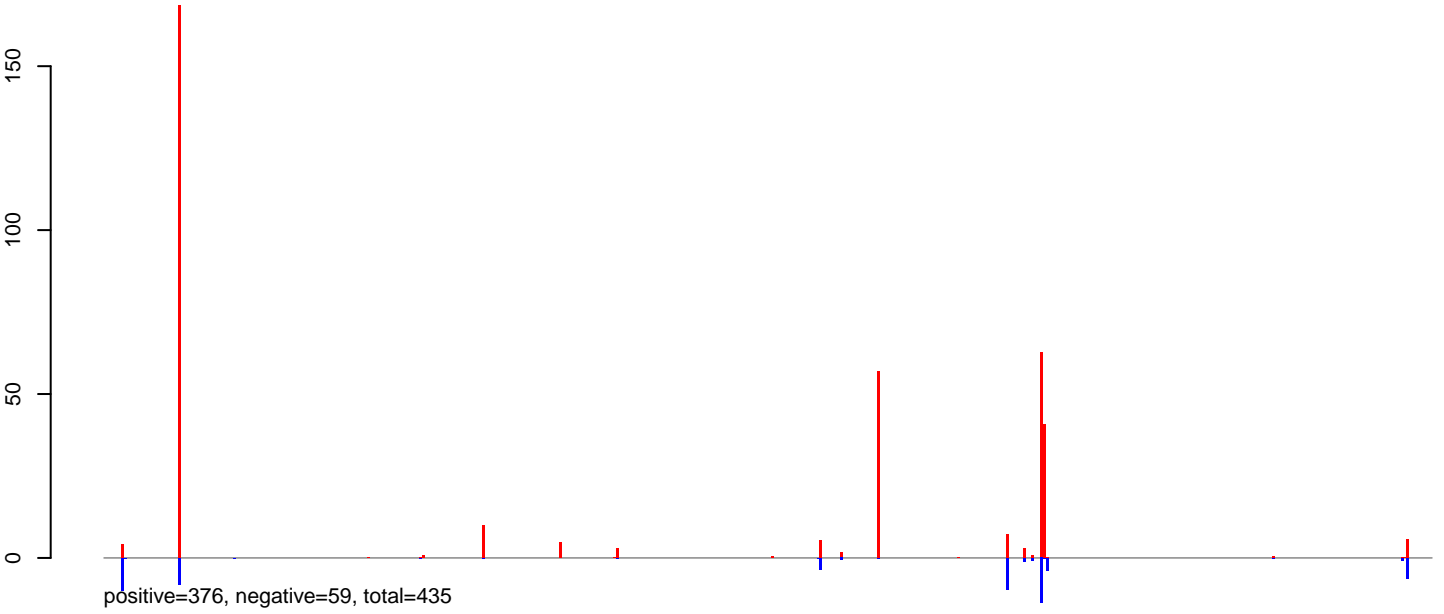
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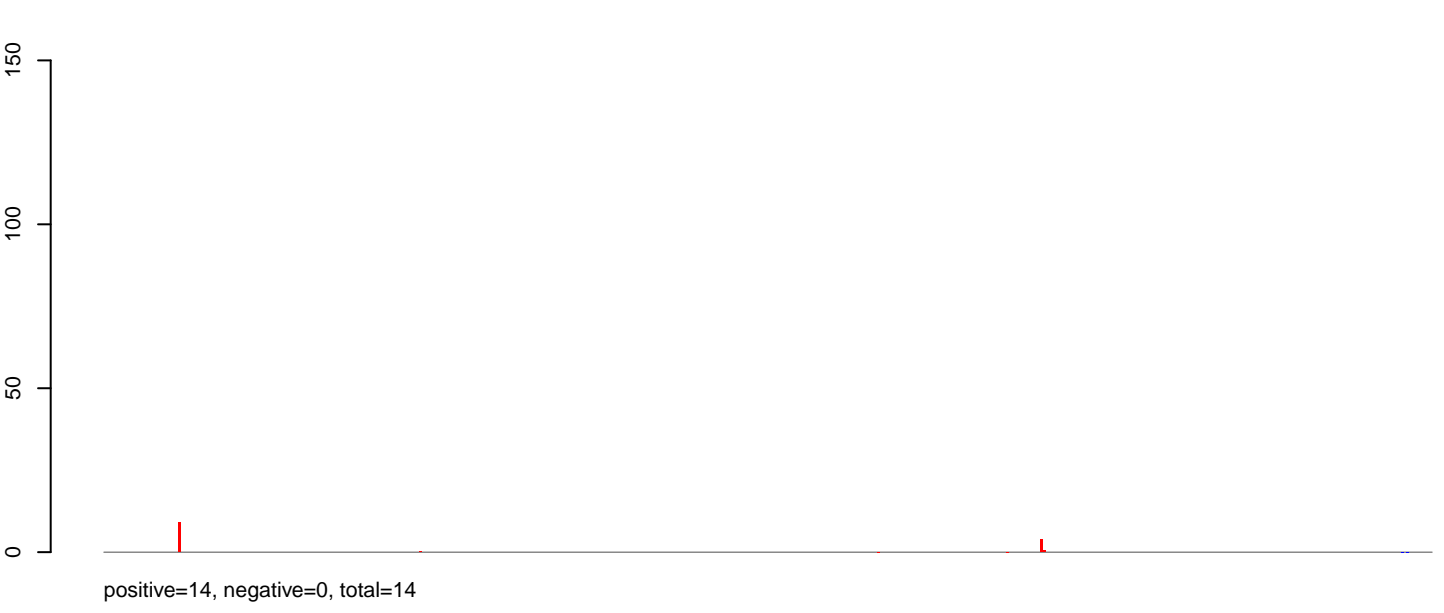
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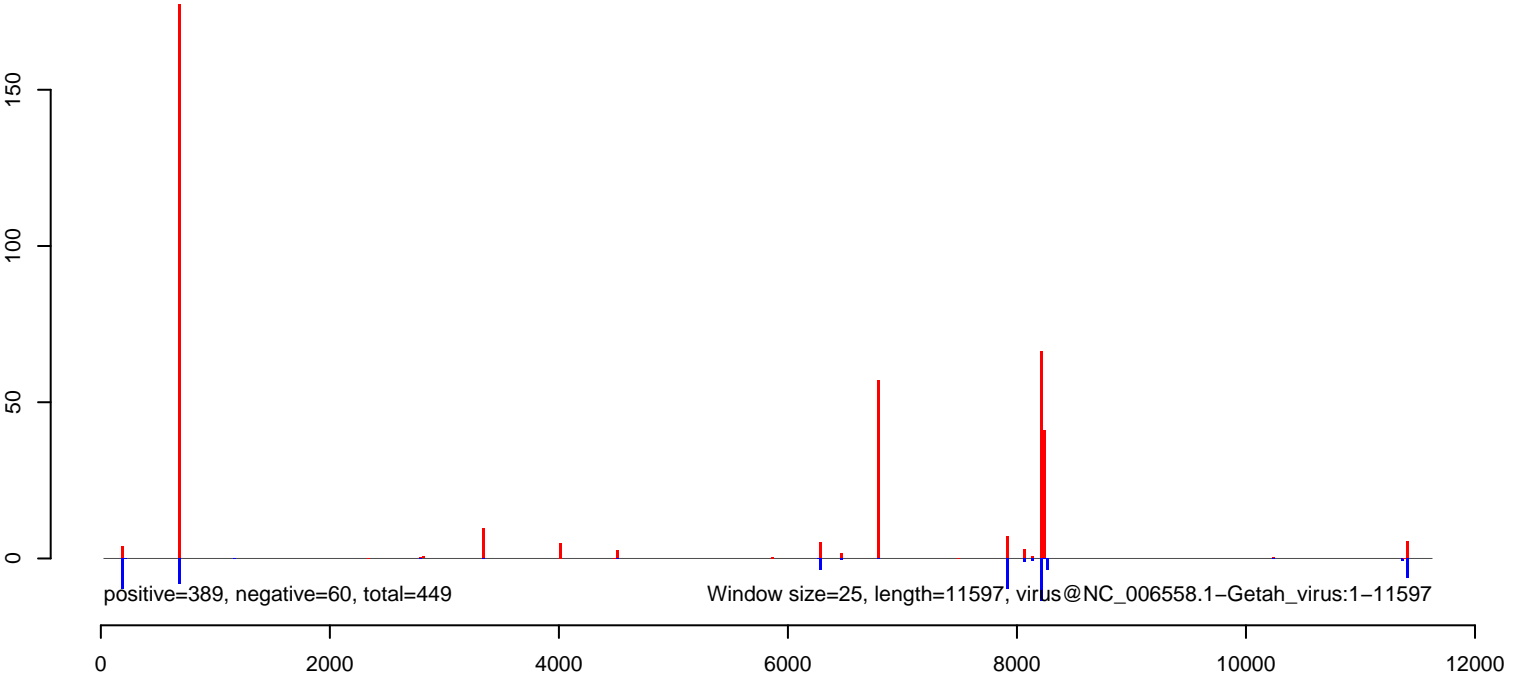
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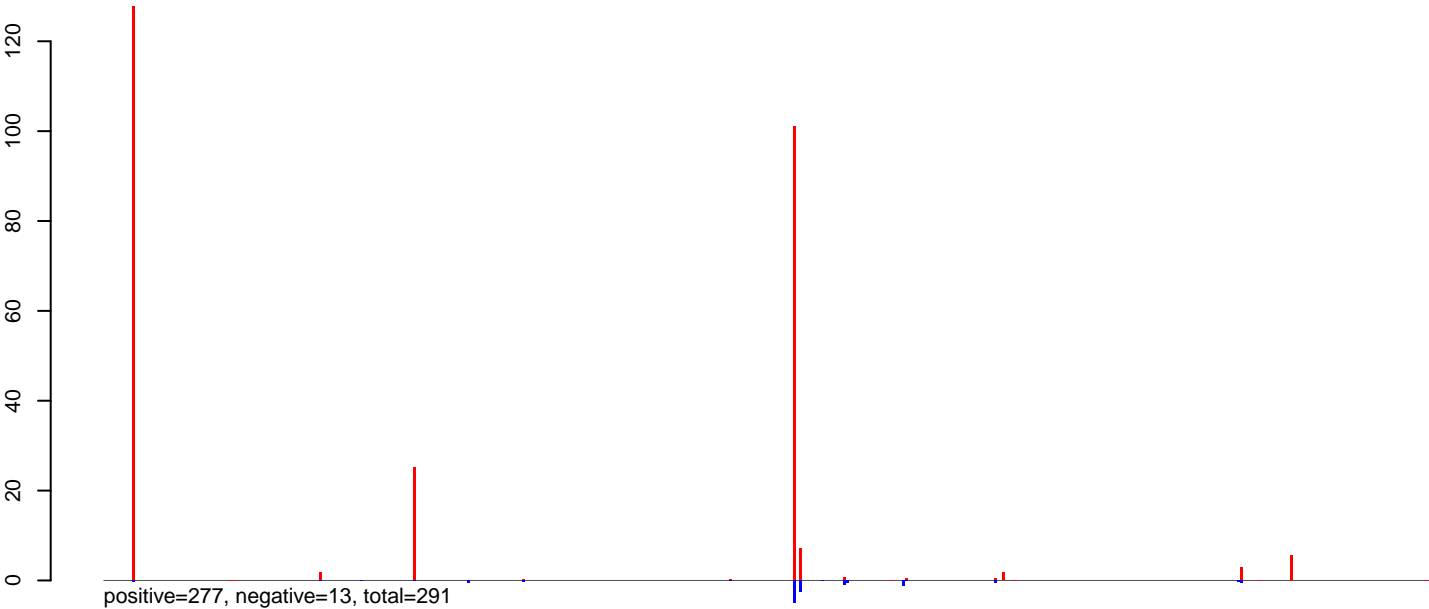
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AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



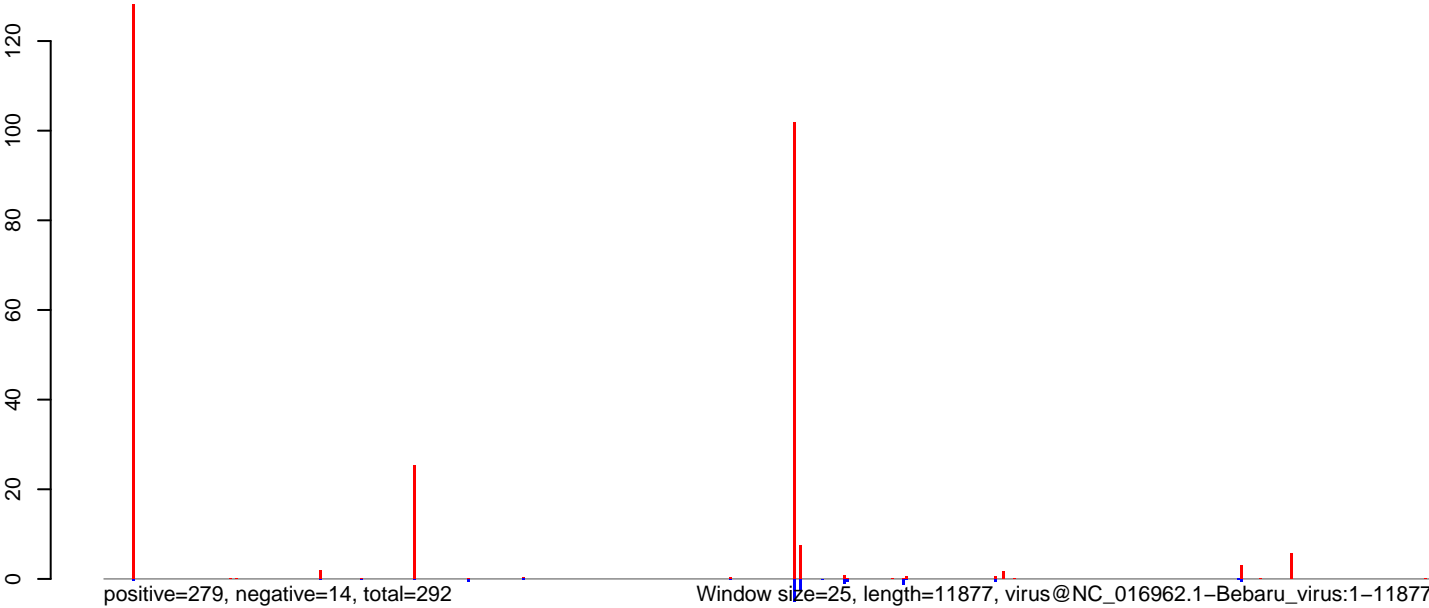
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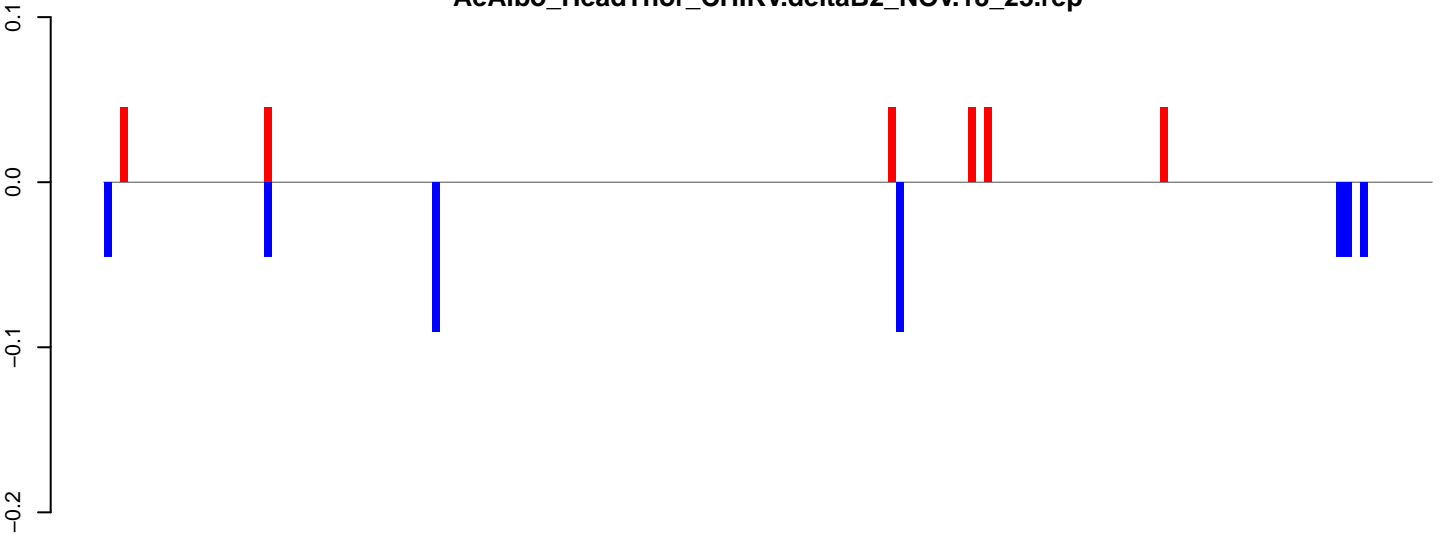
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AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep

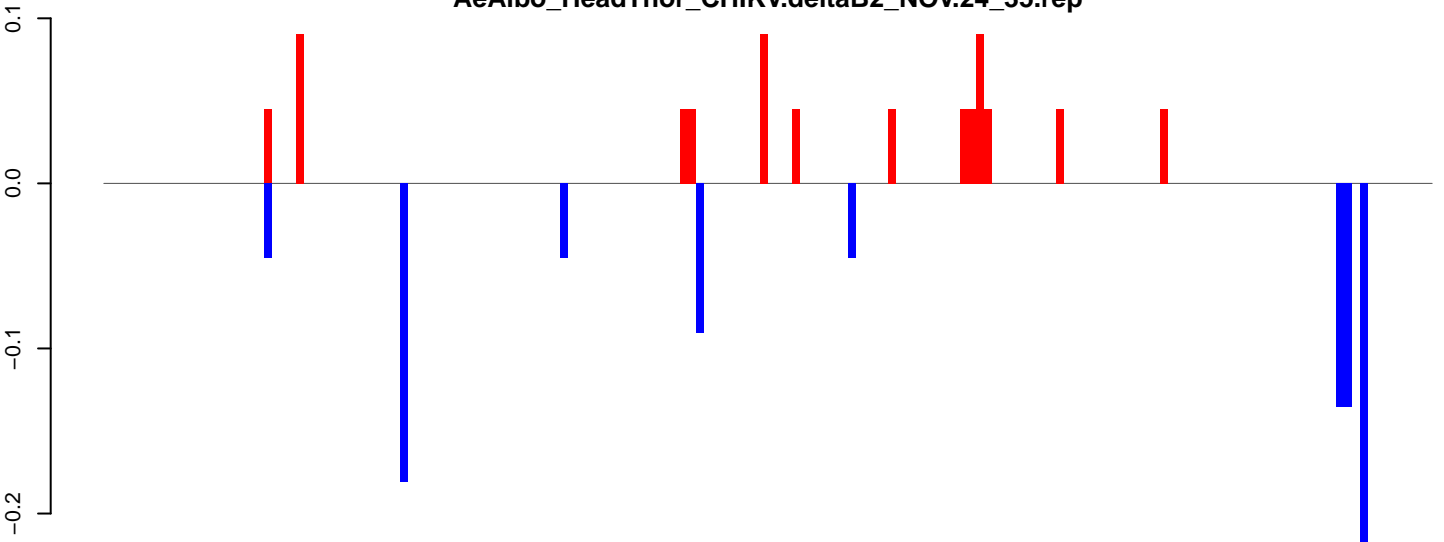


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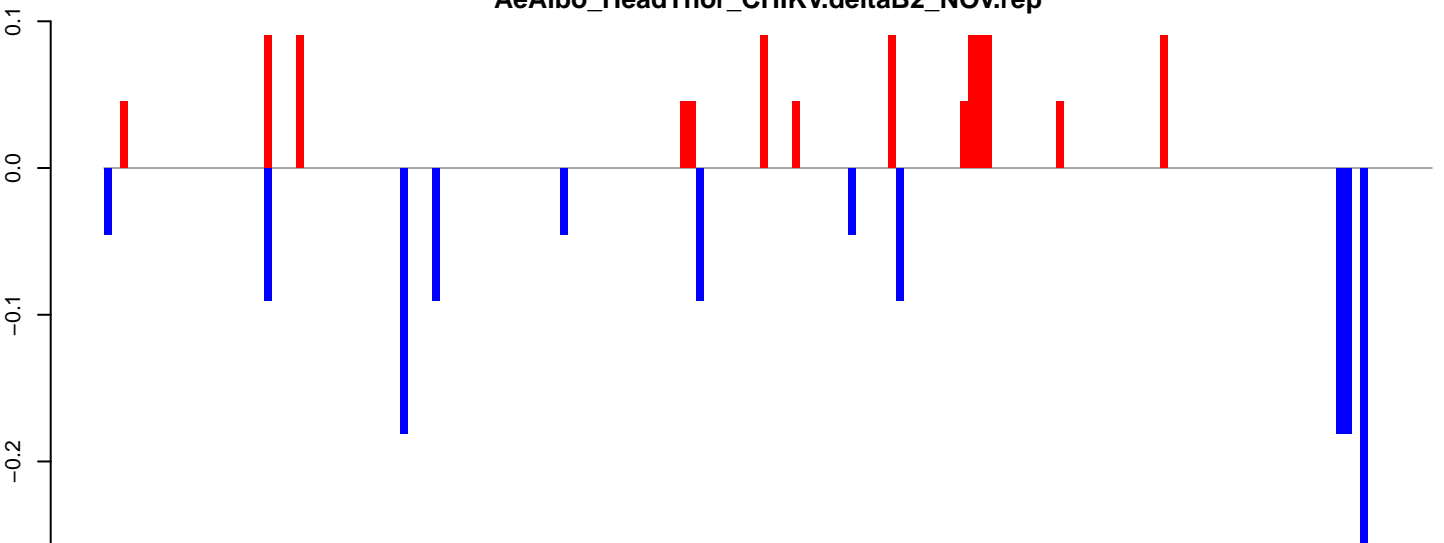
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AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



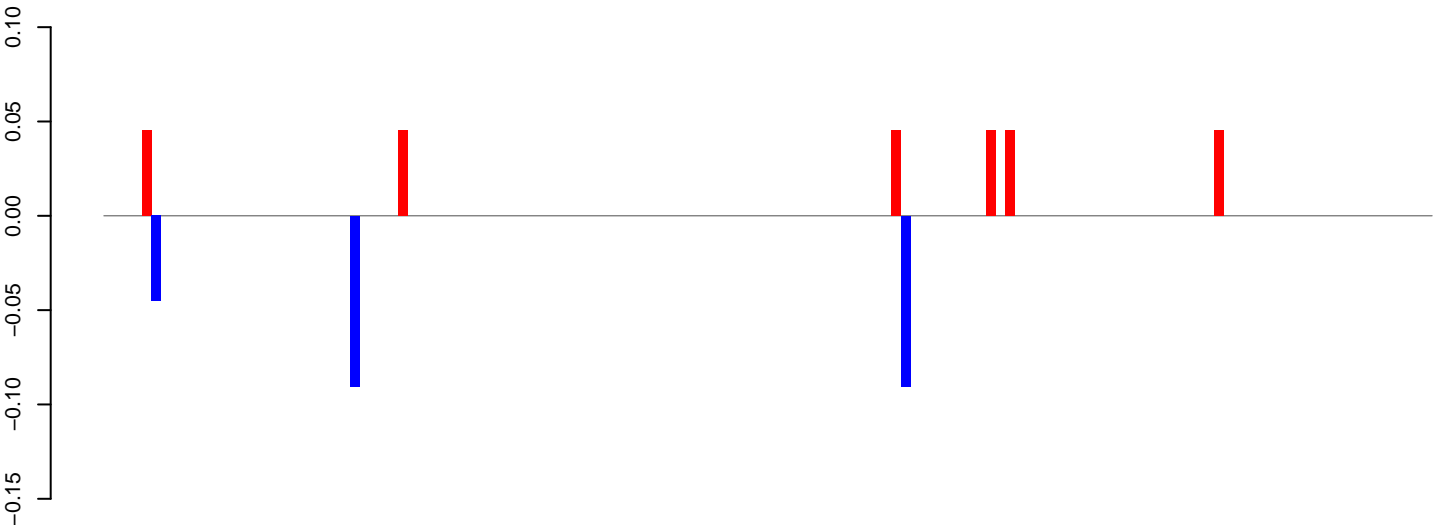
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AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



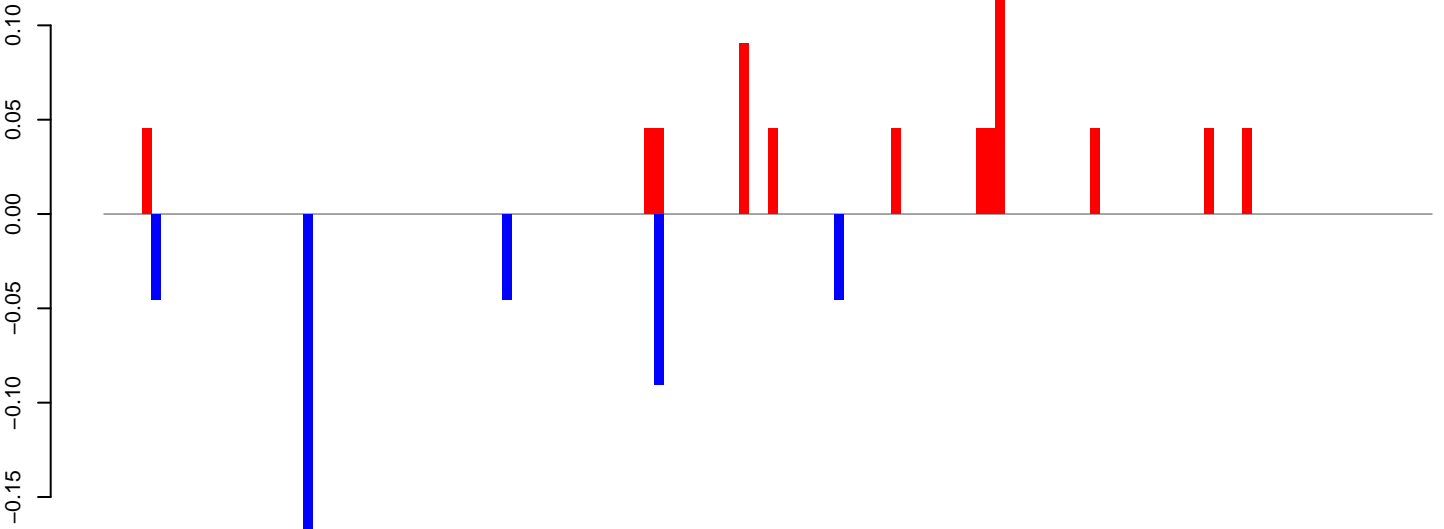
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AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



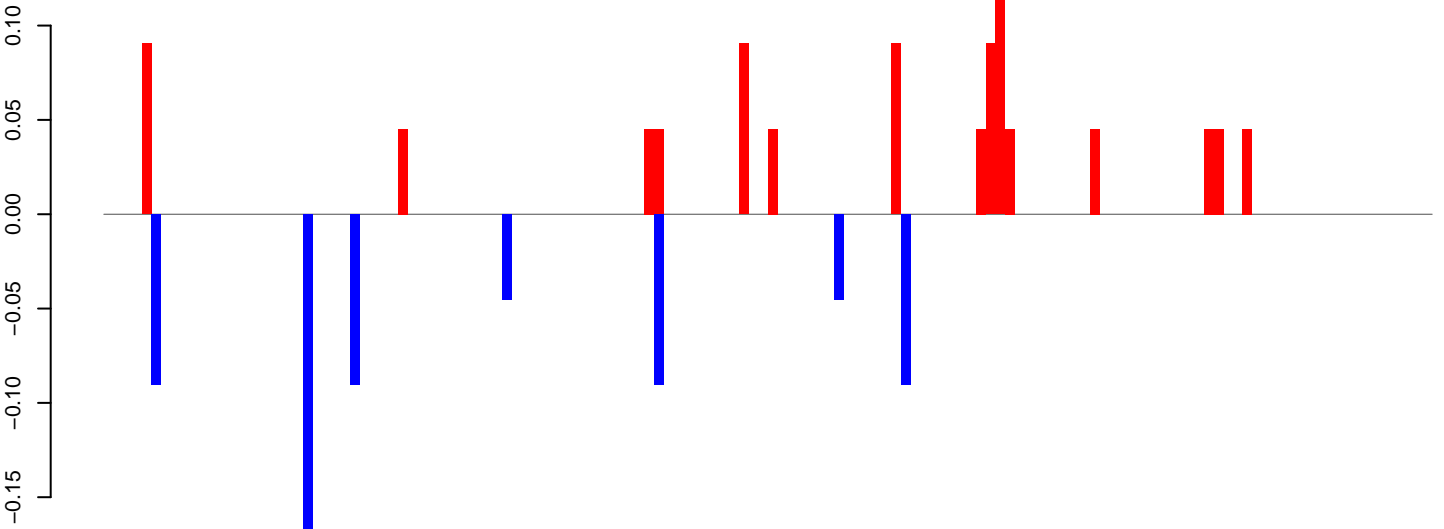
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AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



positive=1, negative=0, total=1

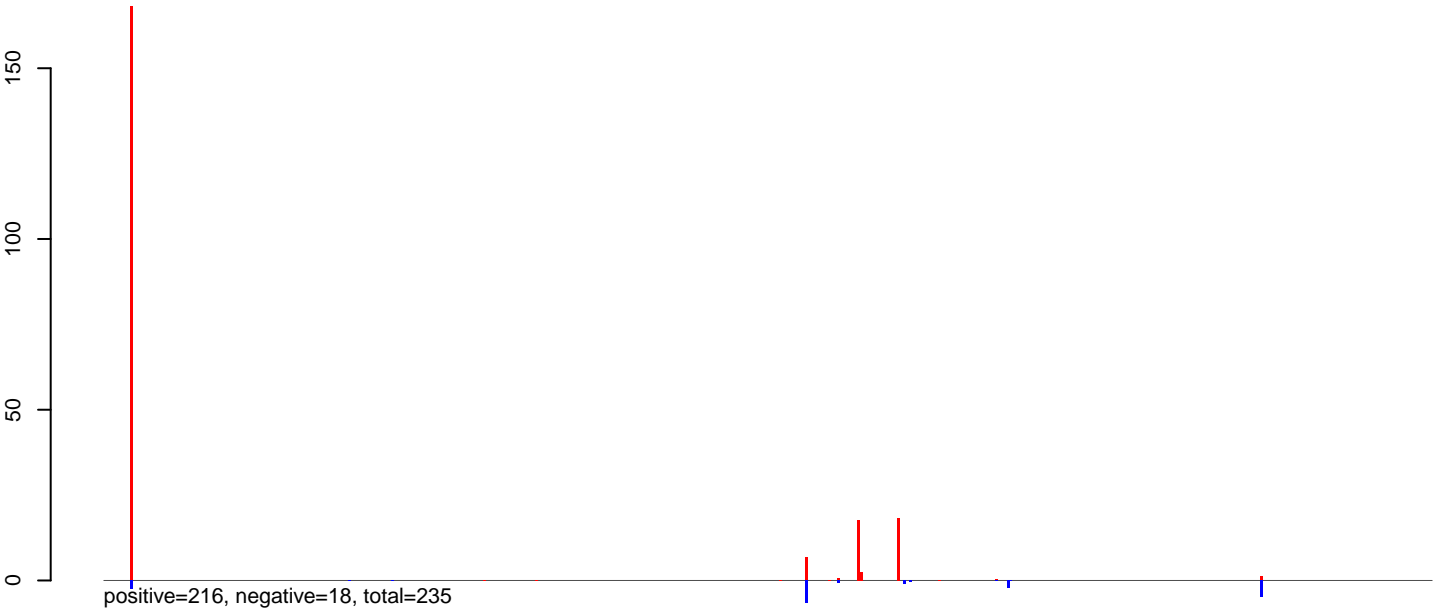
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



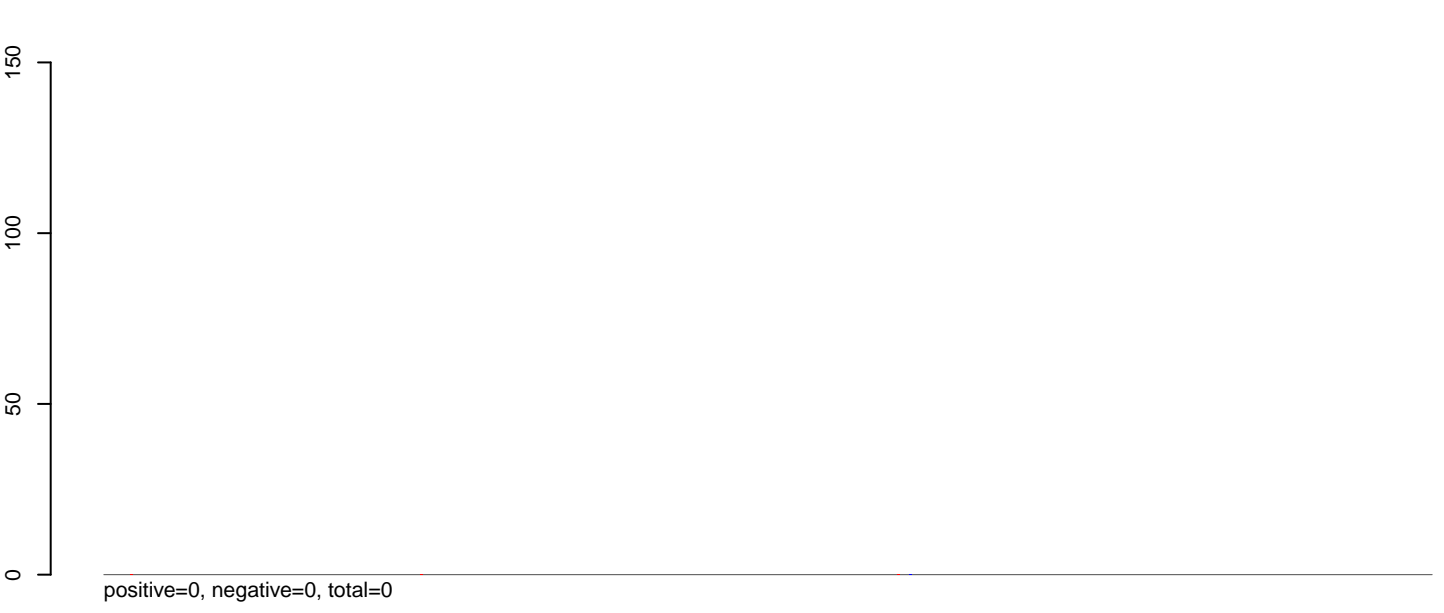
ow size=25, the 3498, -1, use @E2579756.1-Culex\_pipiens\_pallens\_densovirus\_strain\_JZ-16\_non-structural\_protein\_1\_NS1\_non-stru:1-3498

0 500 1000 1500 2000 2500 3000 3500

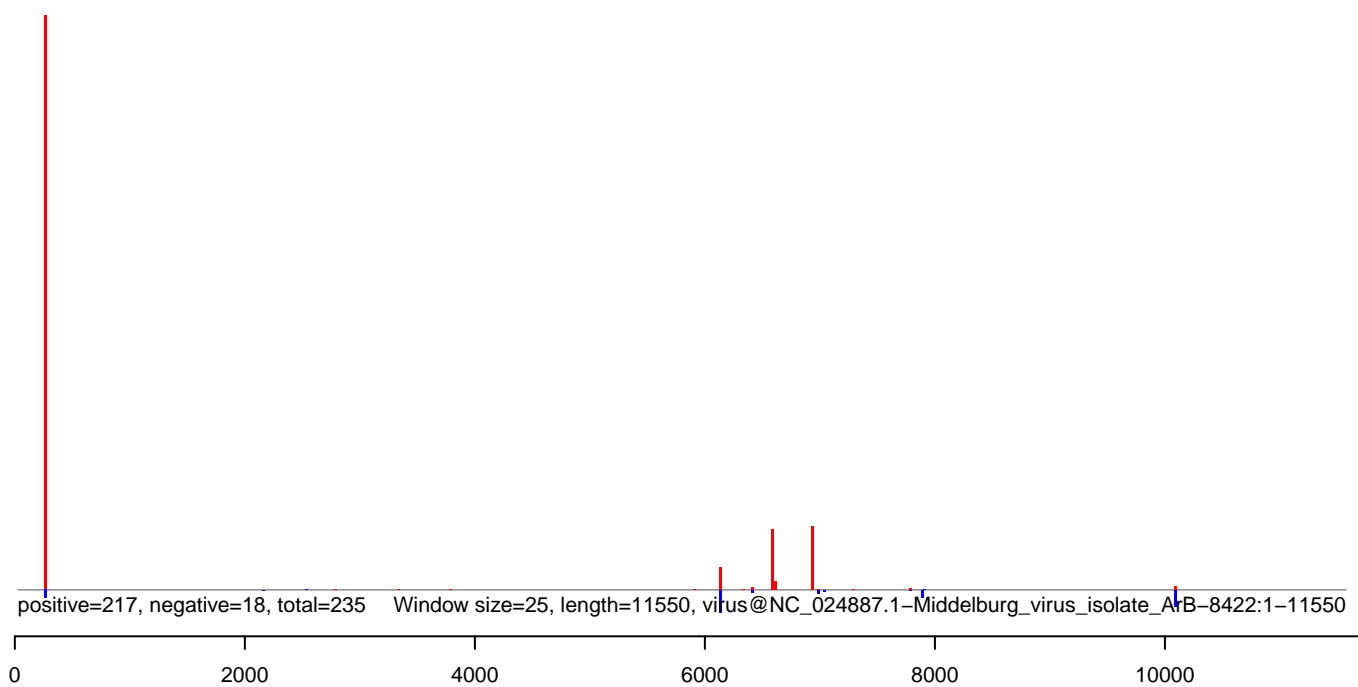
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep

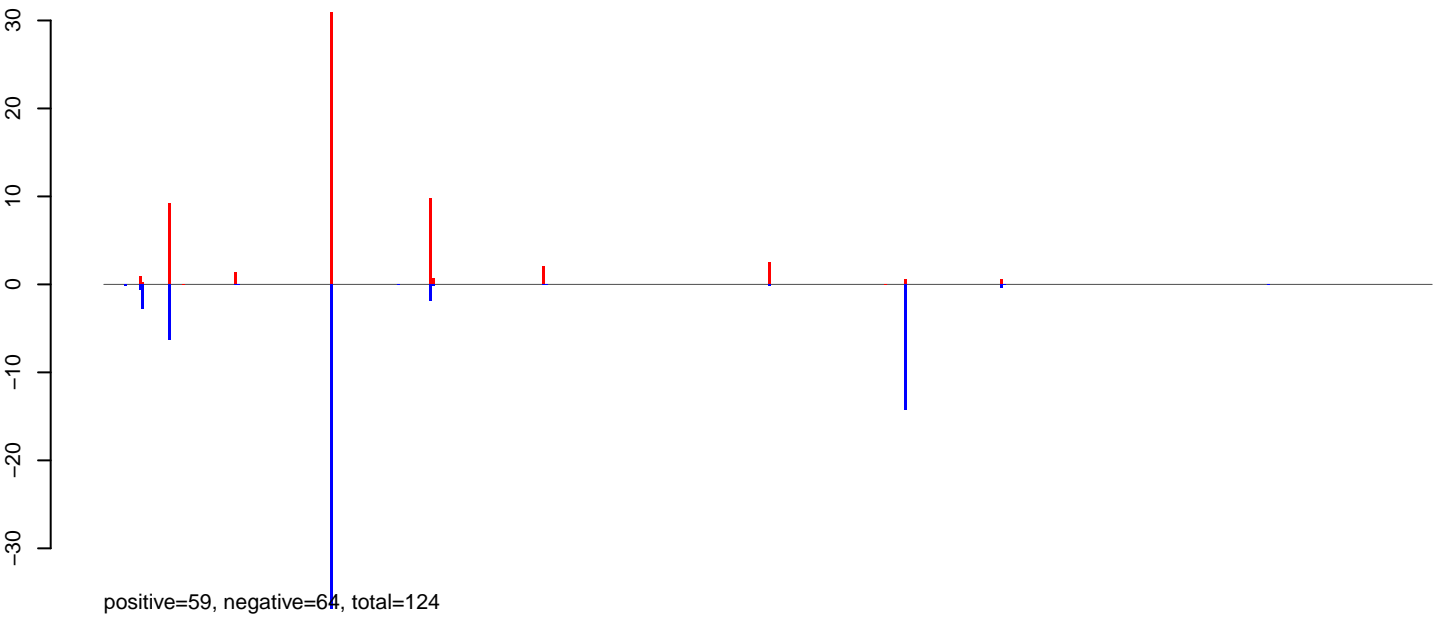


AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep

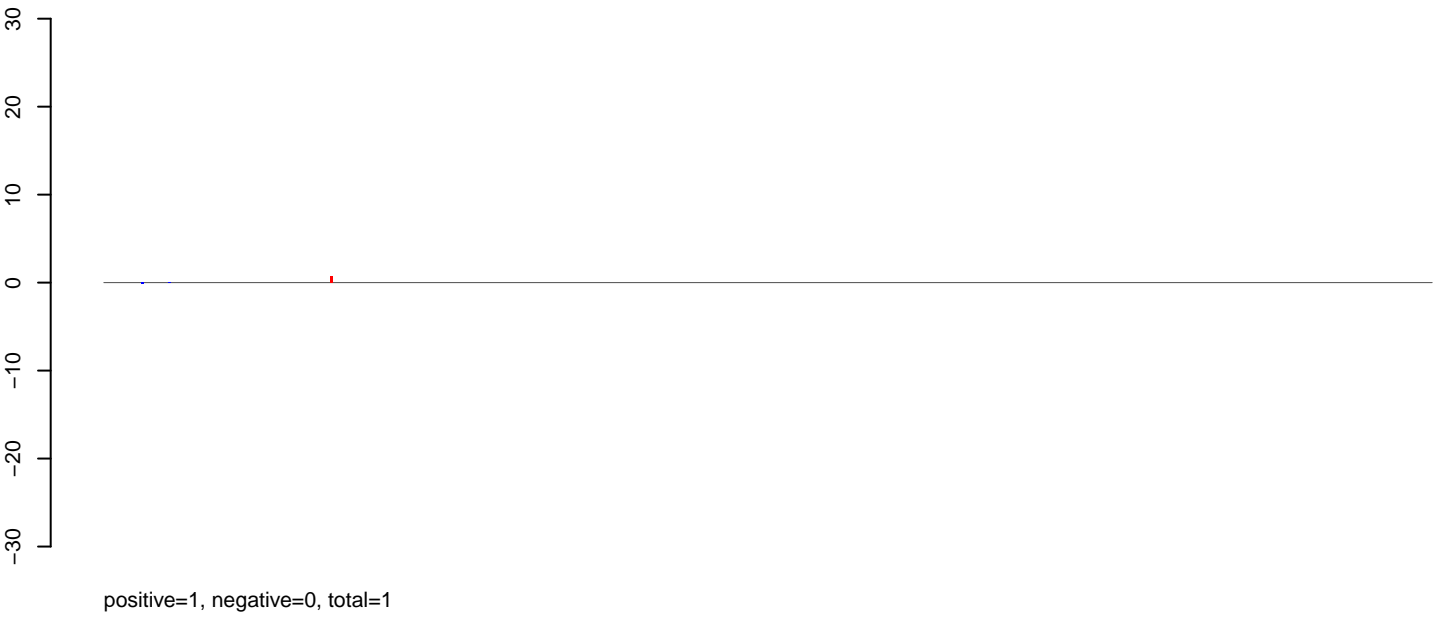




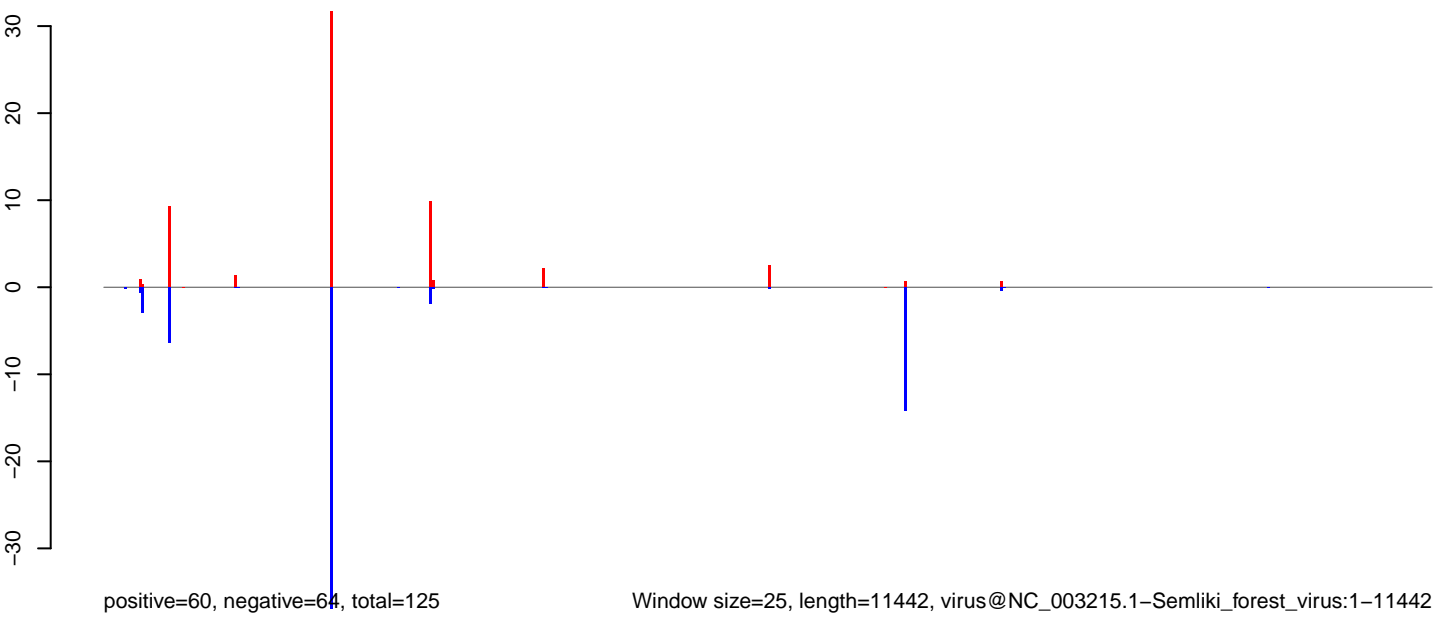
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



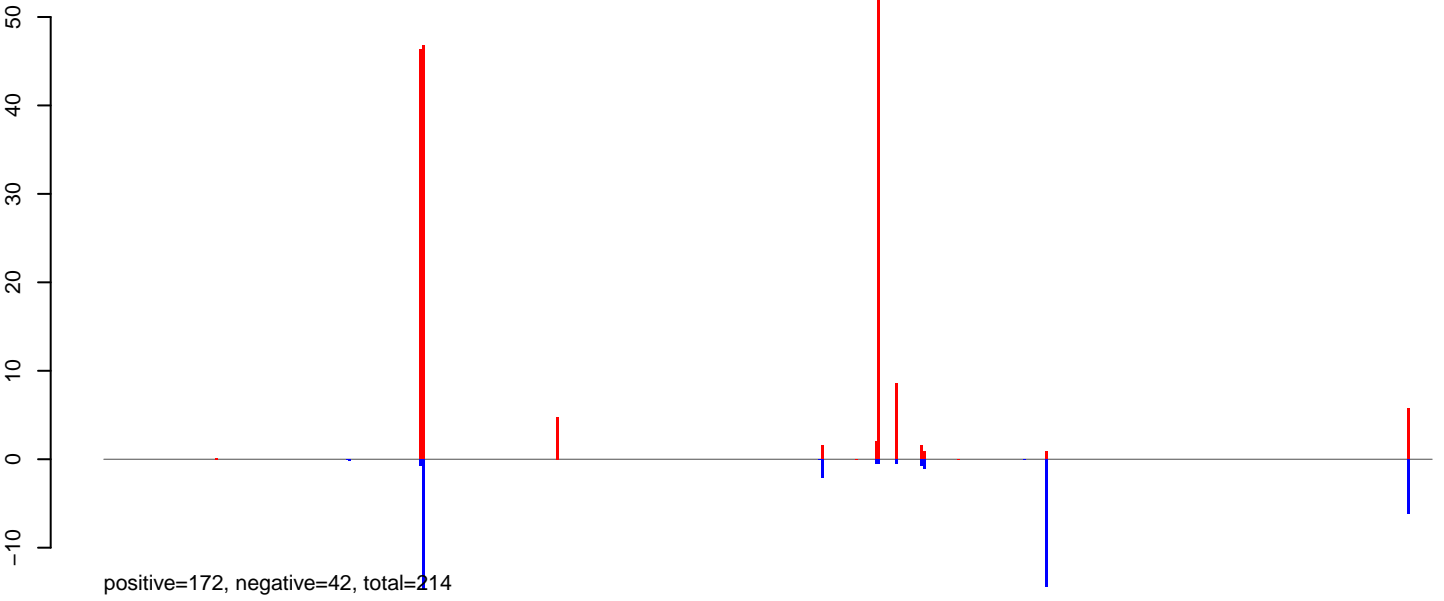
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



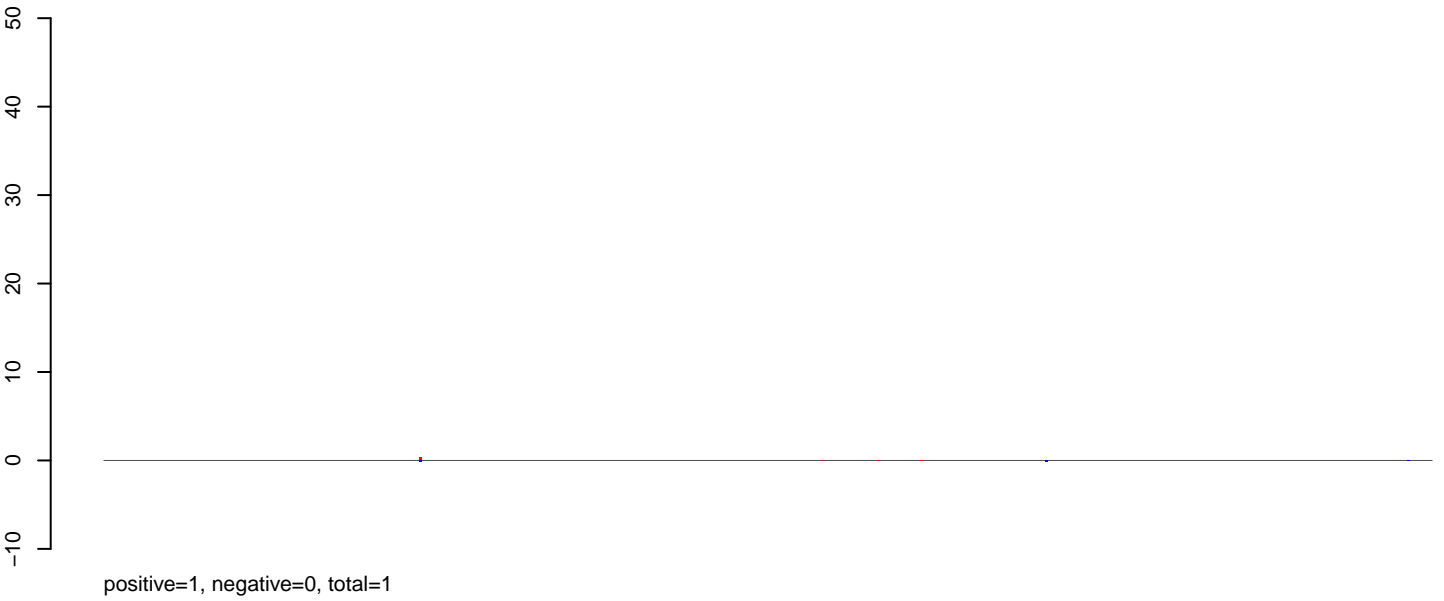
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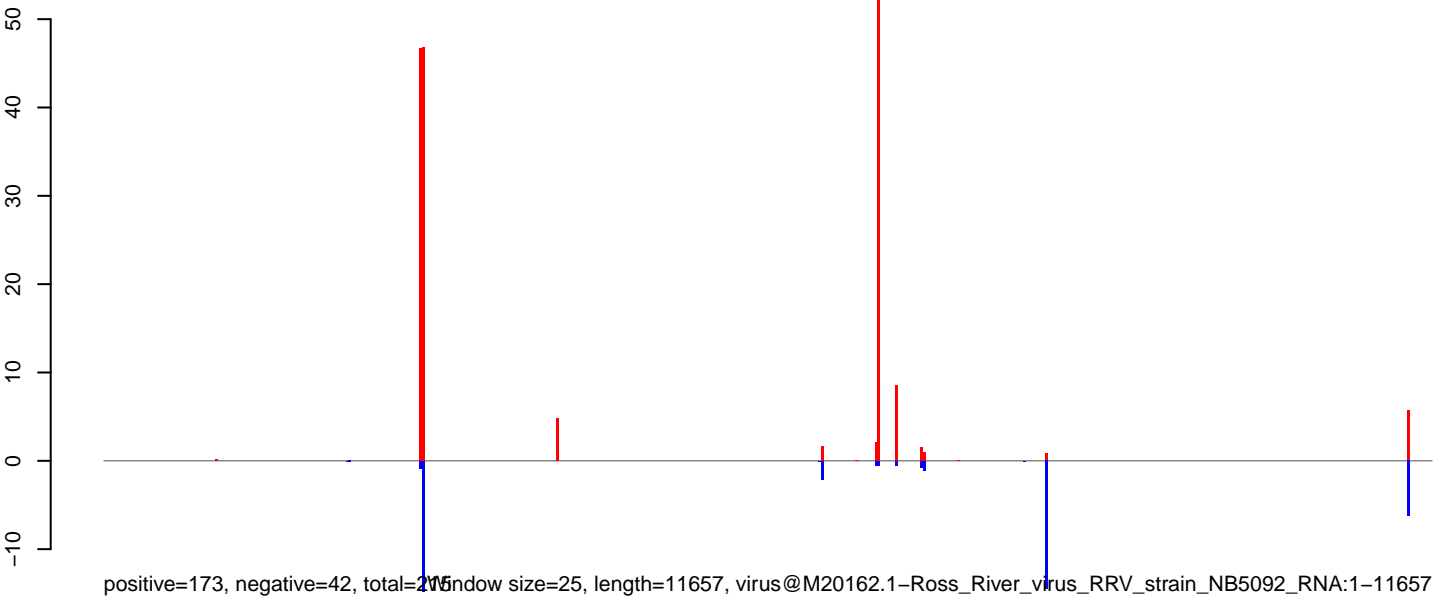
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



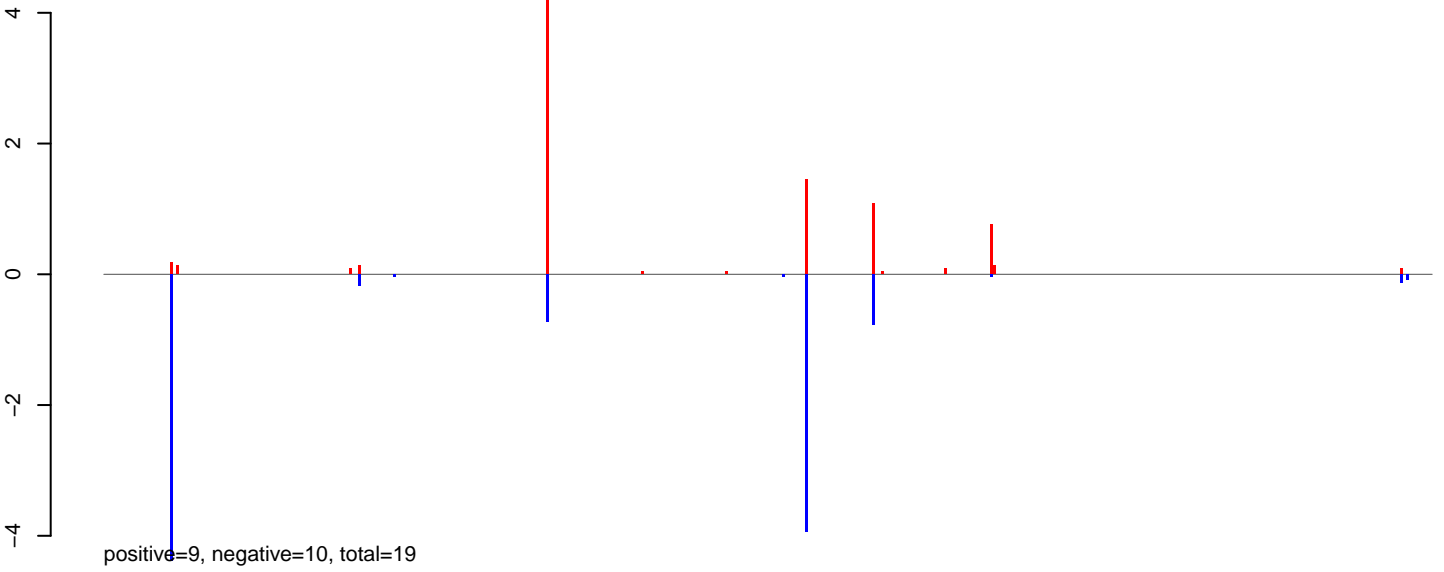
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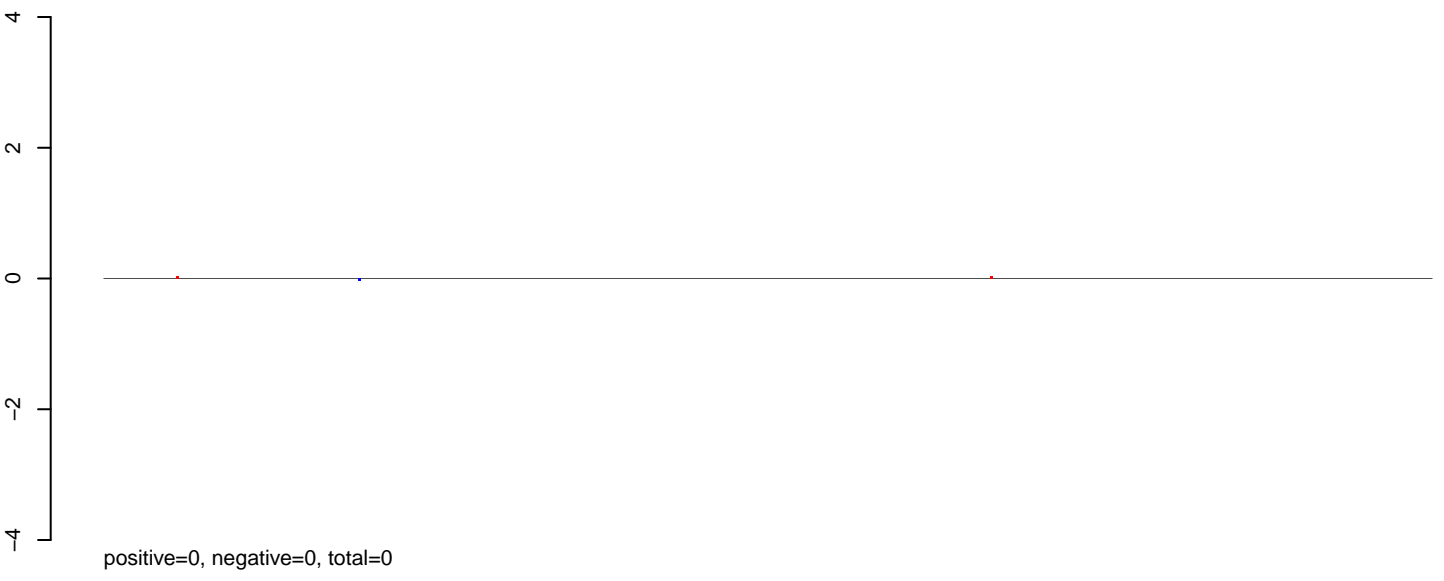
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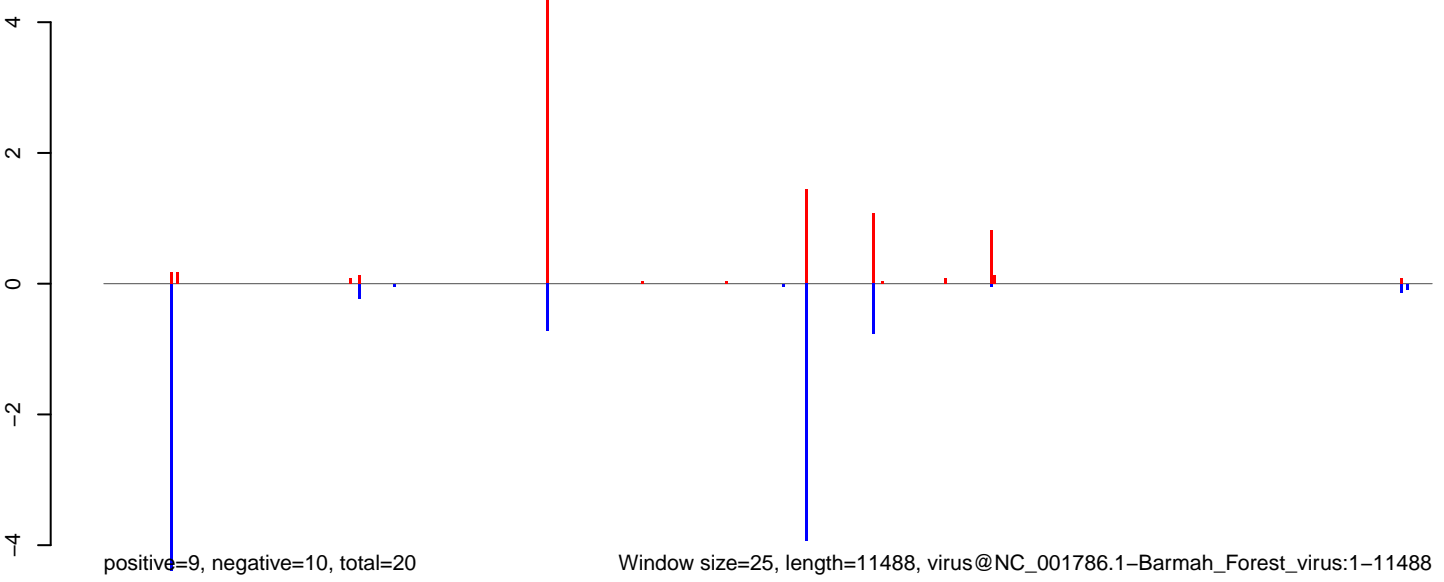
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AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep

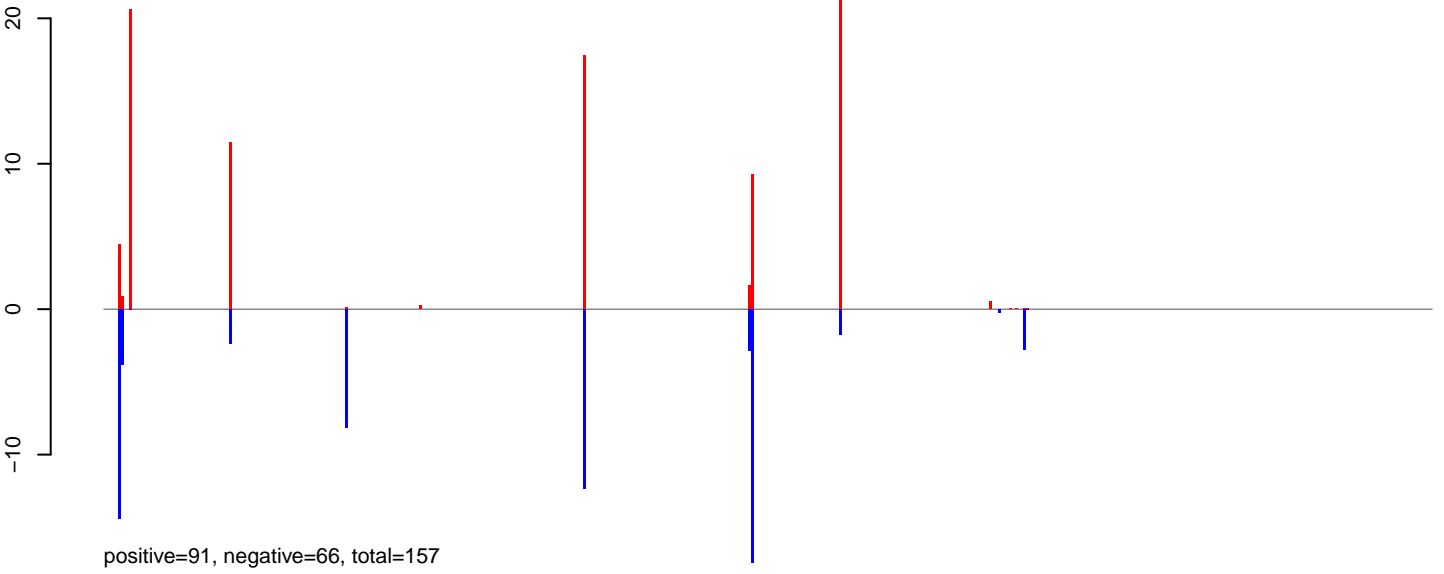


AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep

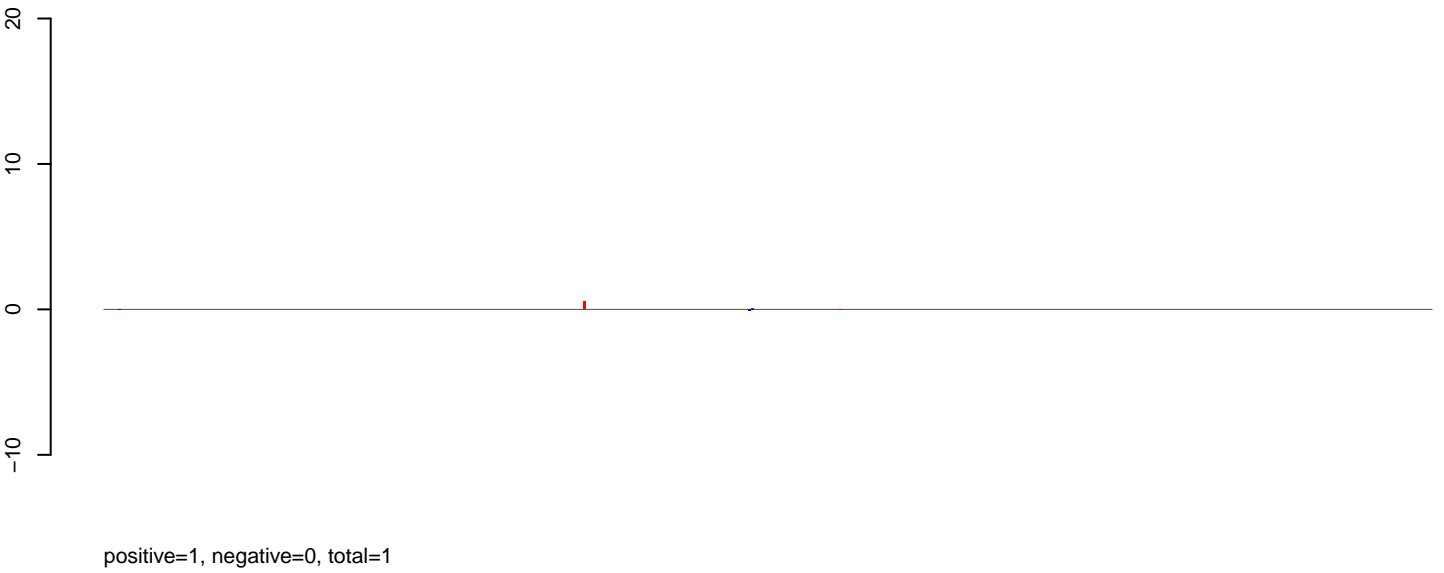


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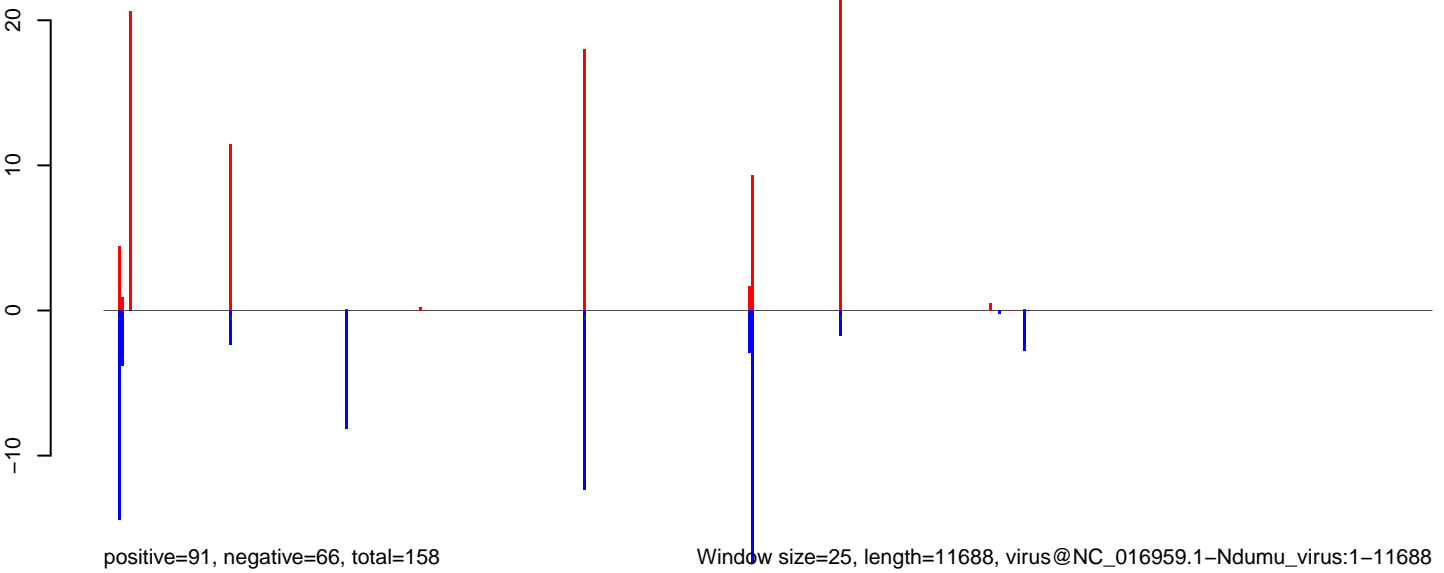
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep

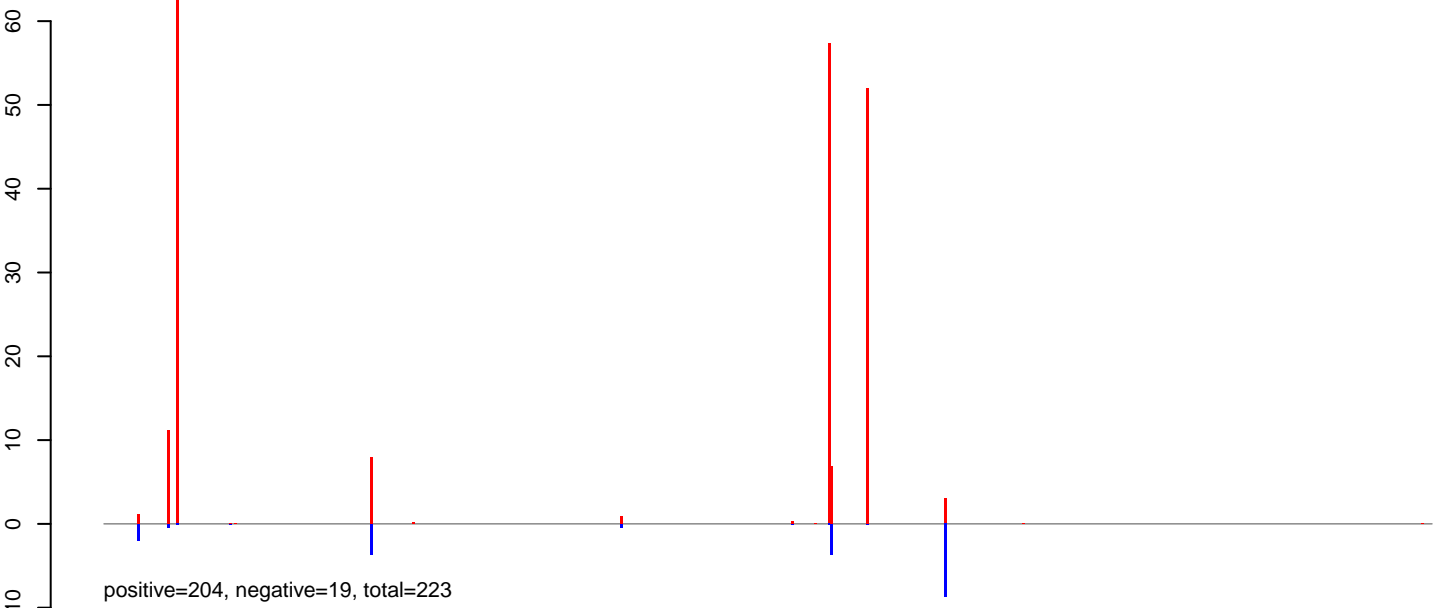


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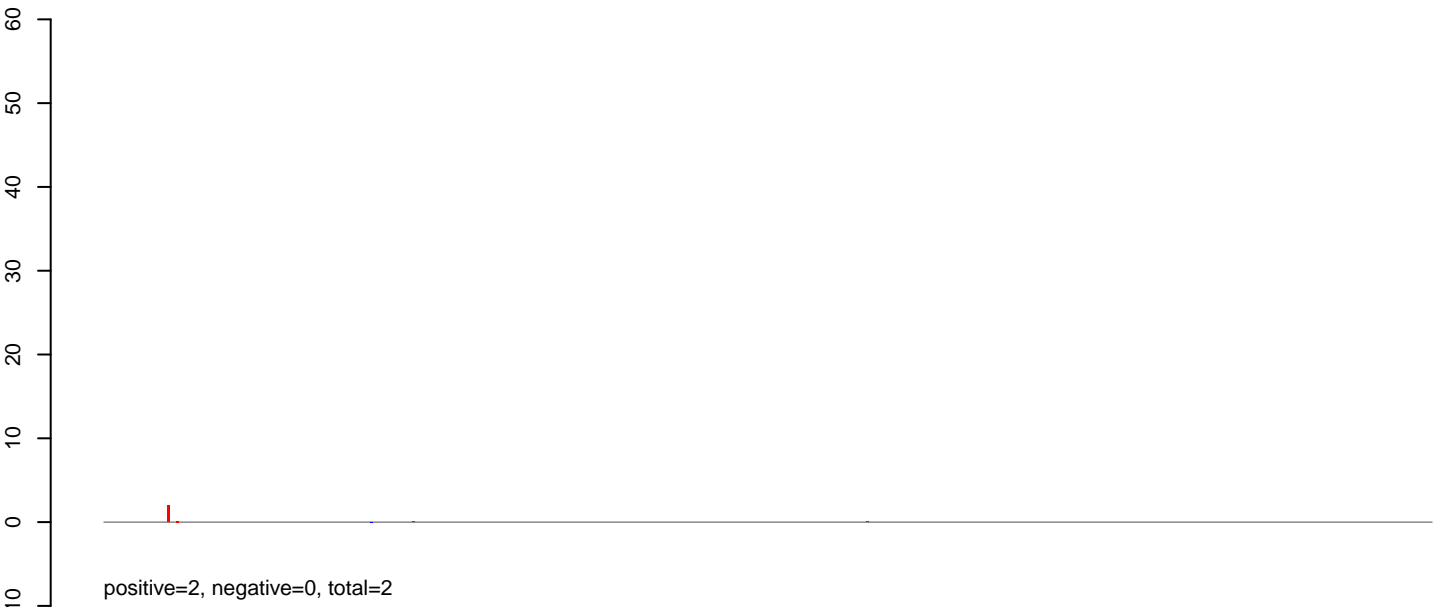


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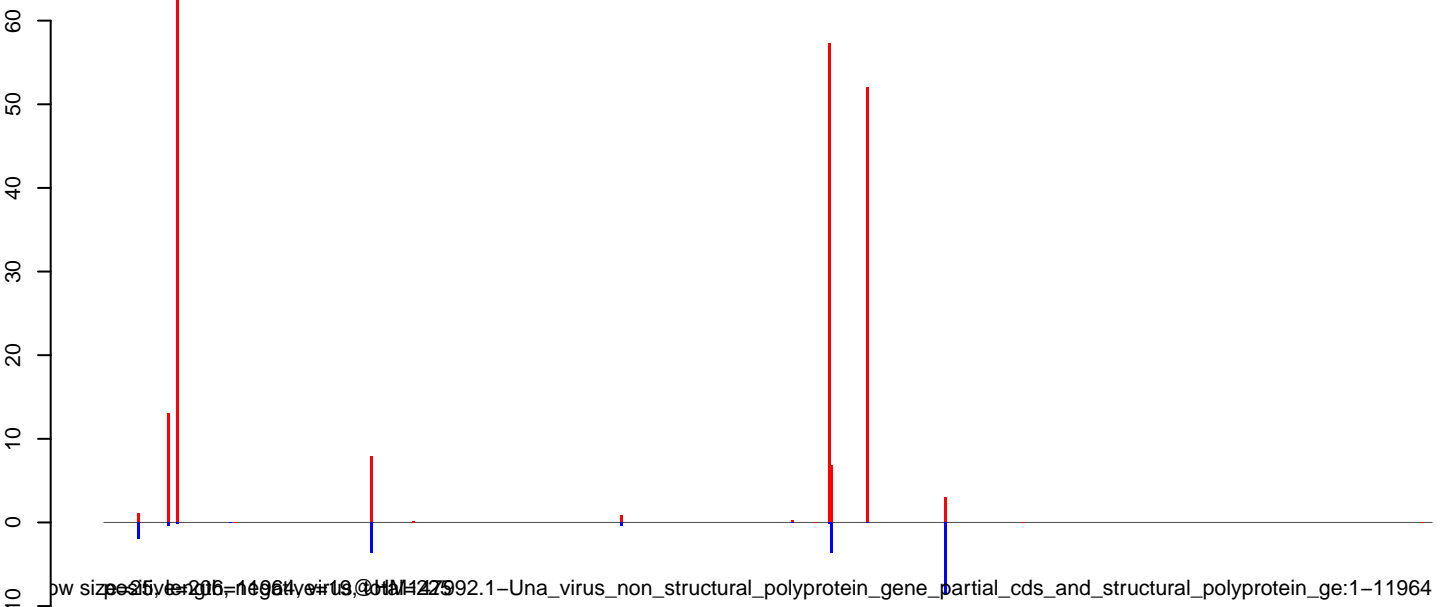
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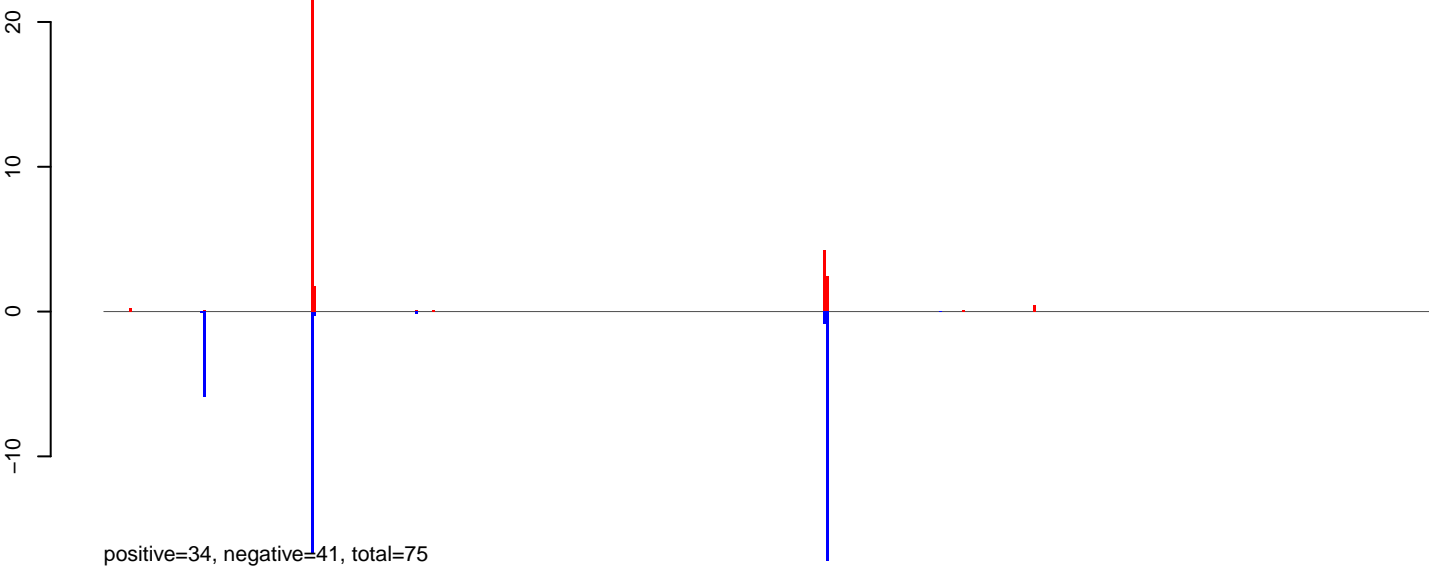
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



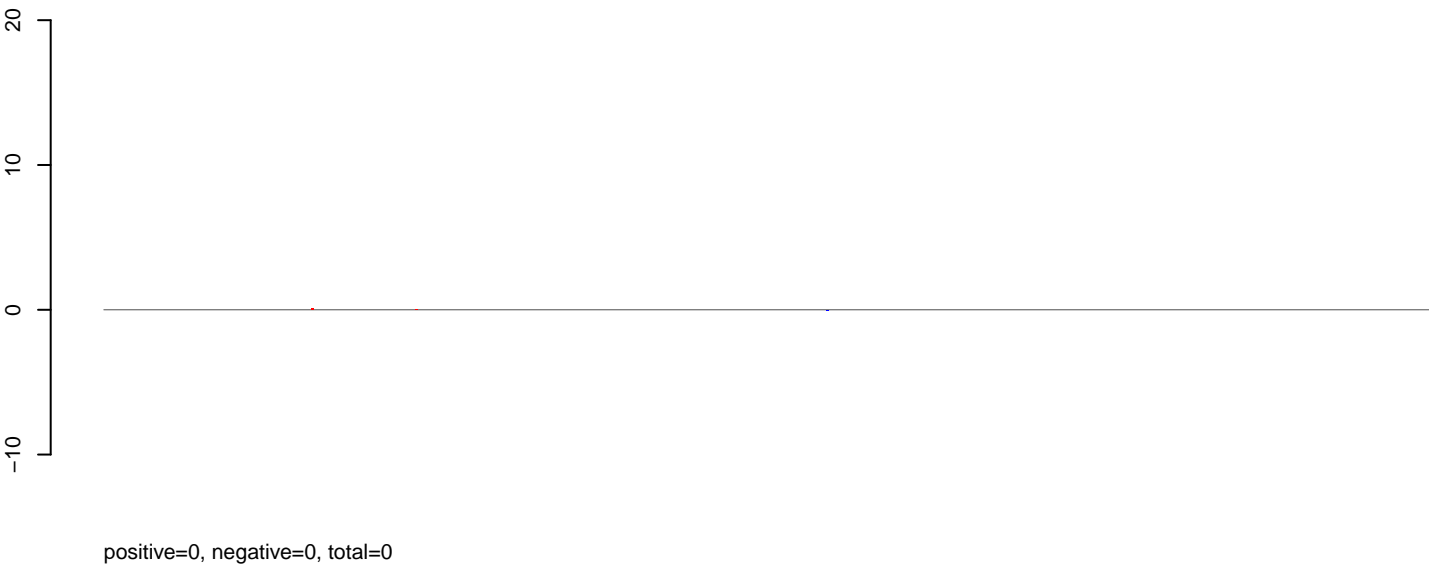
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



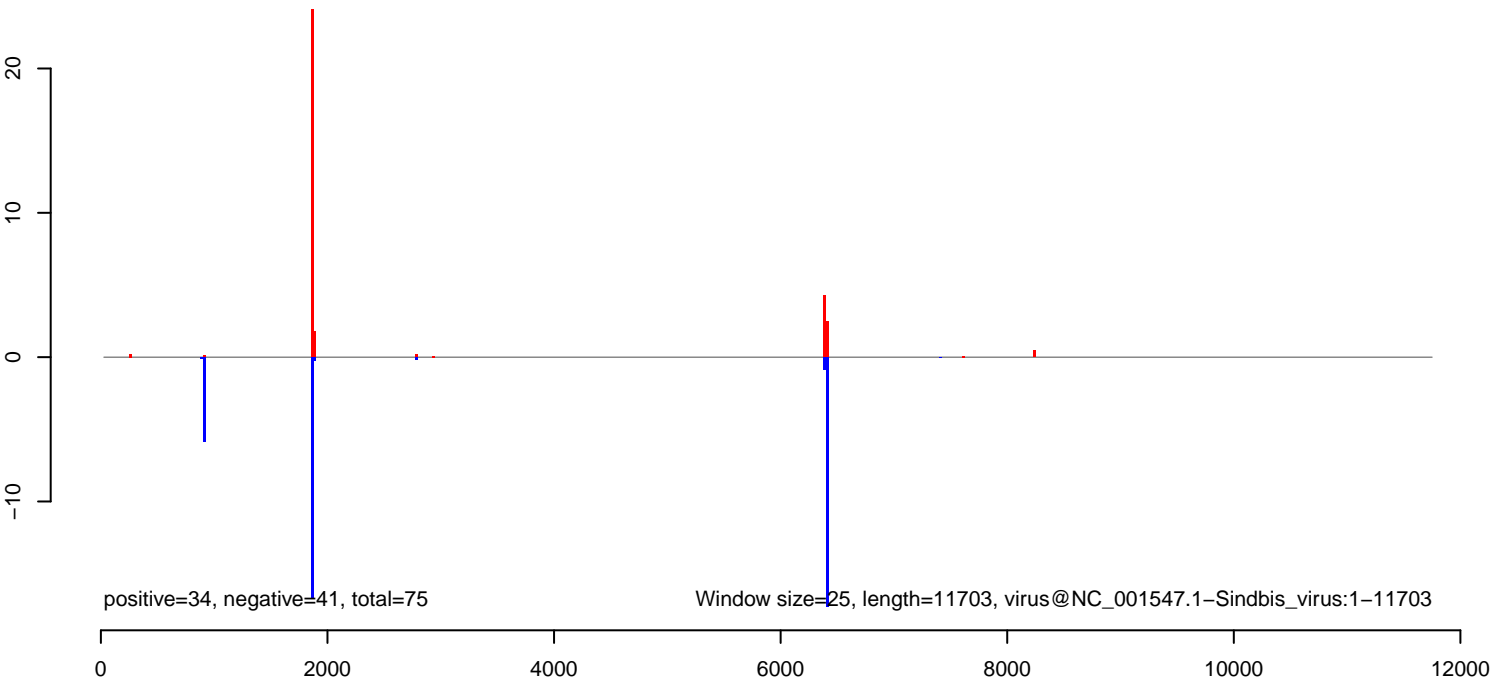
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



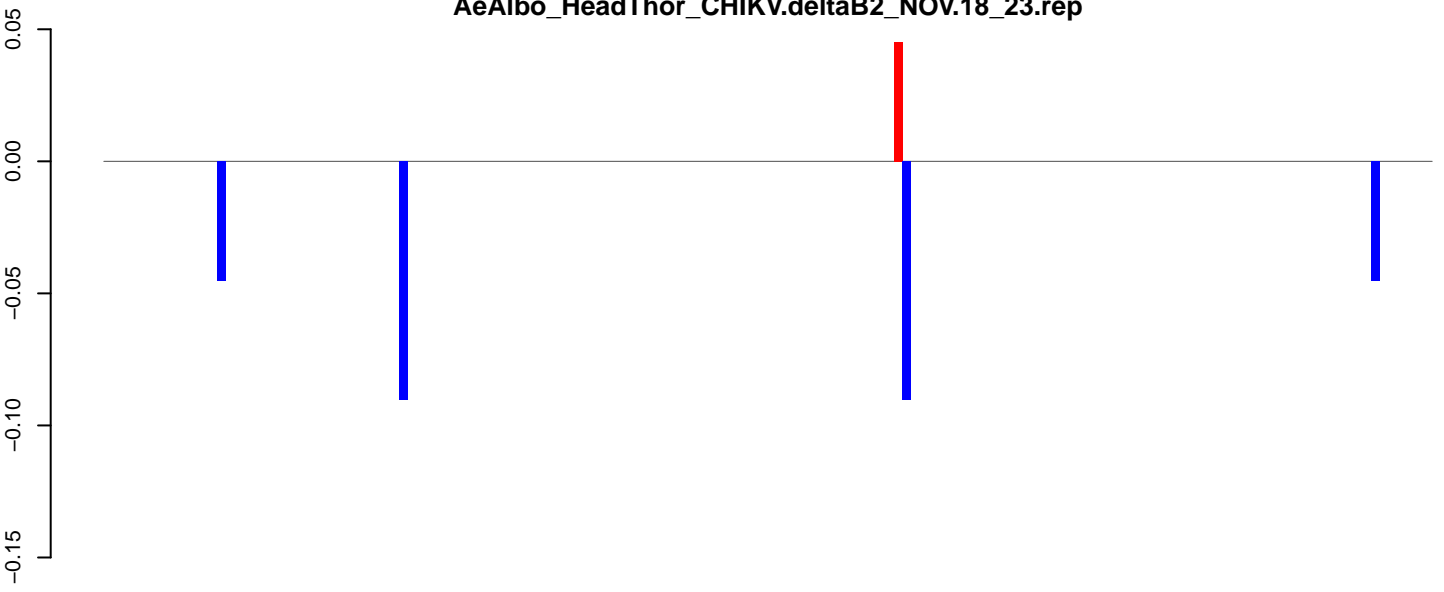
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep

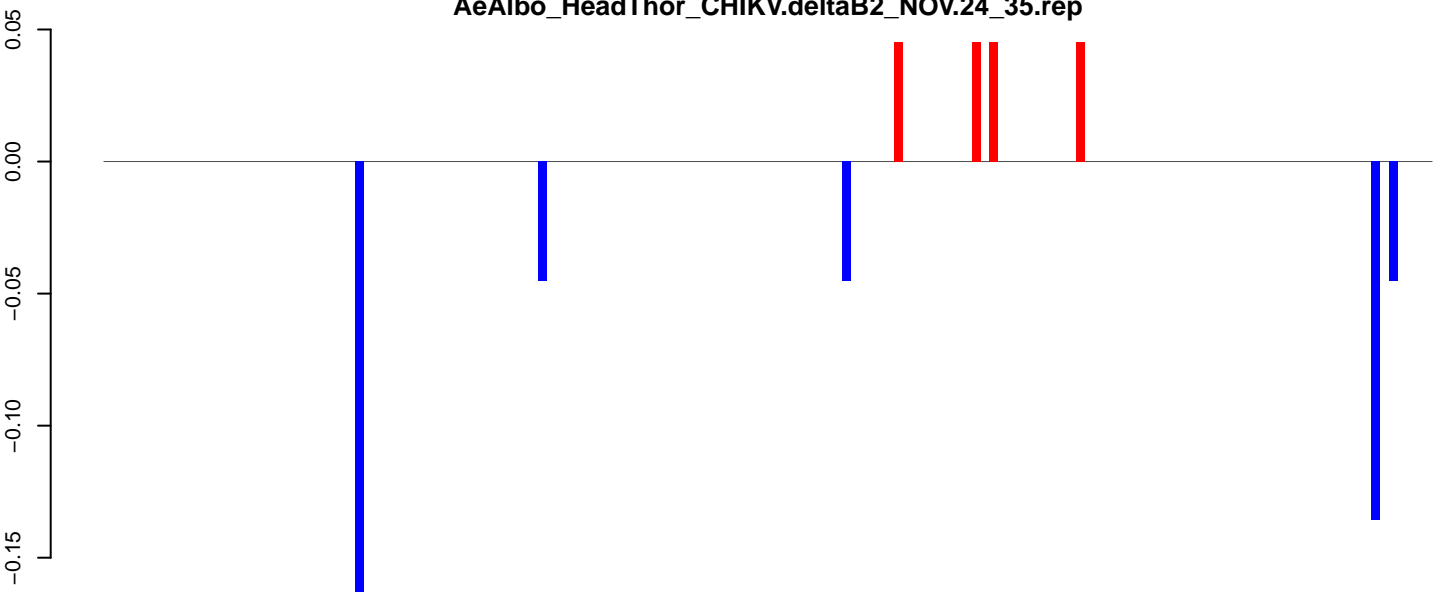


AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



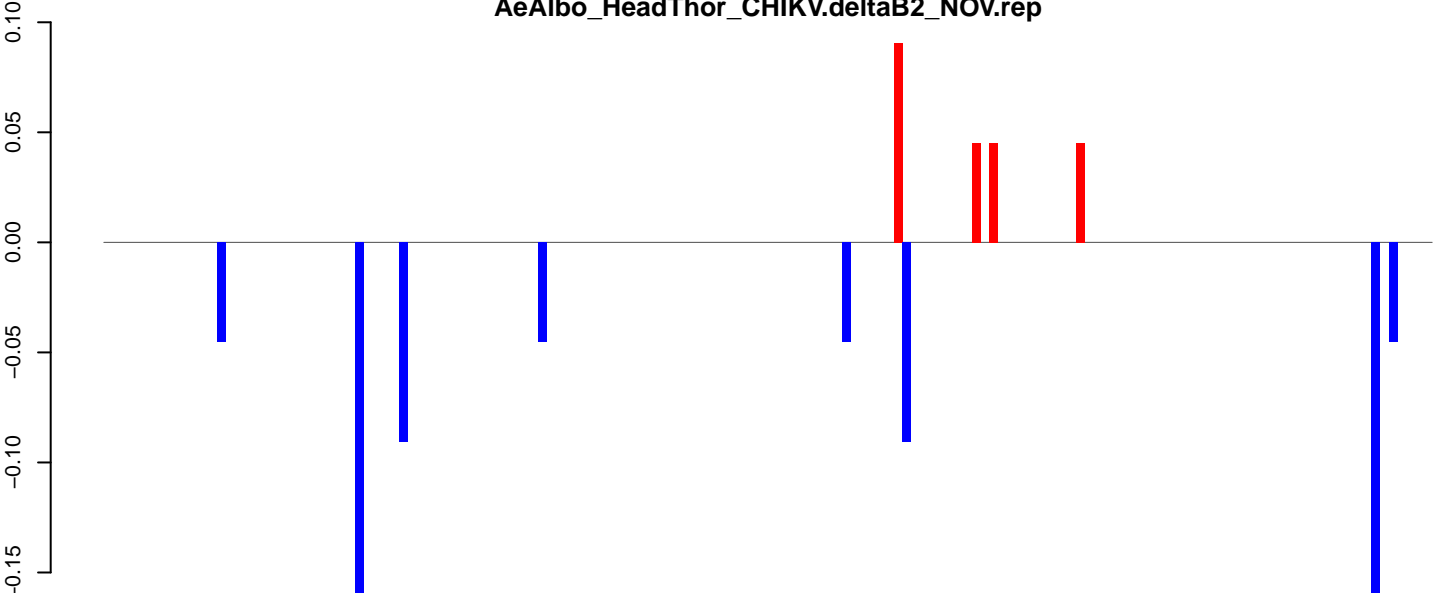
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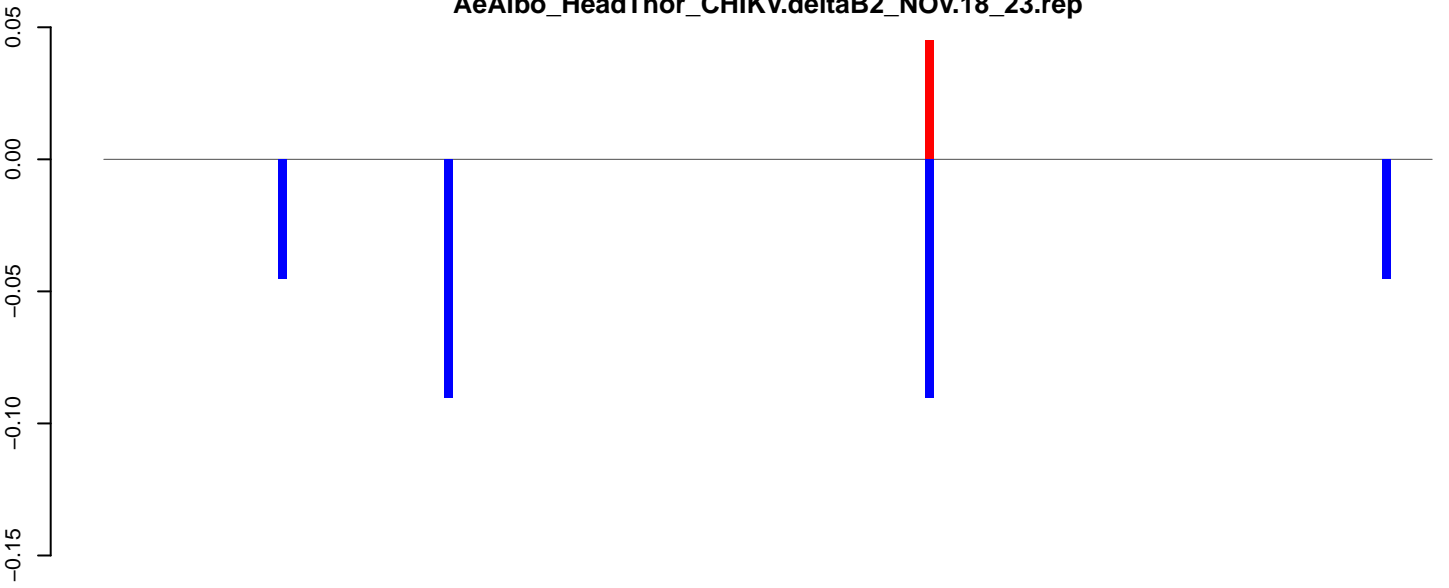
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AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



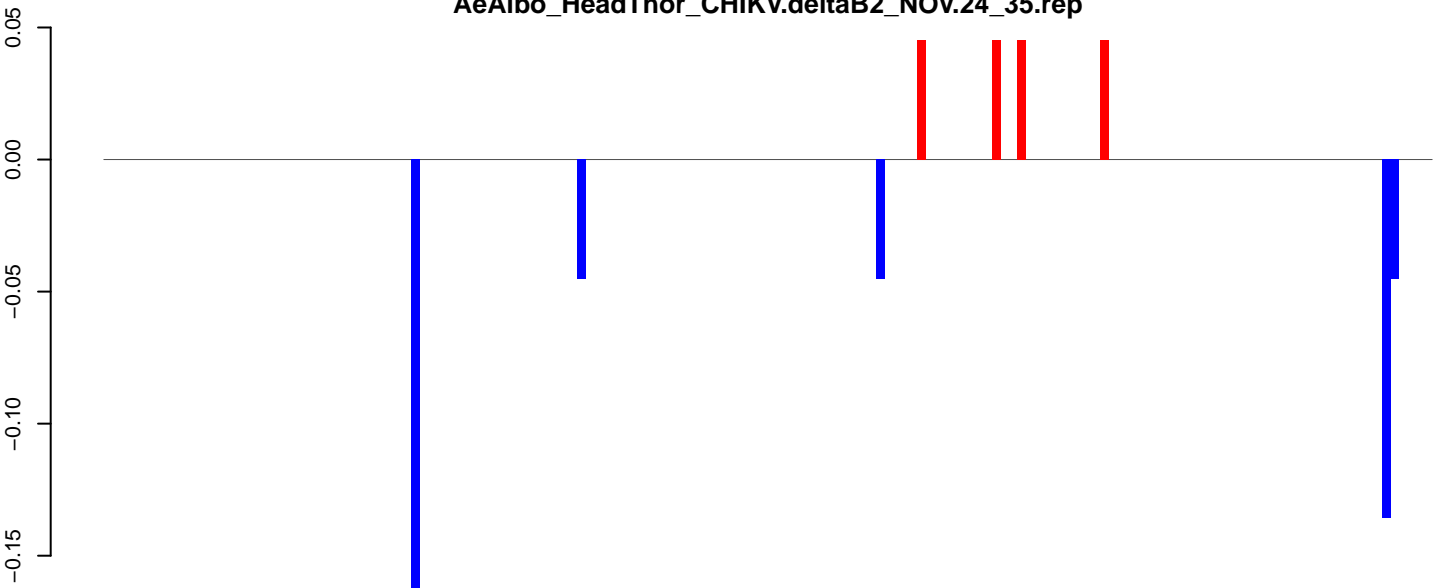
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AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



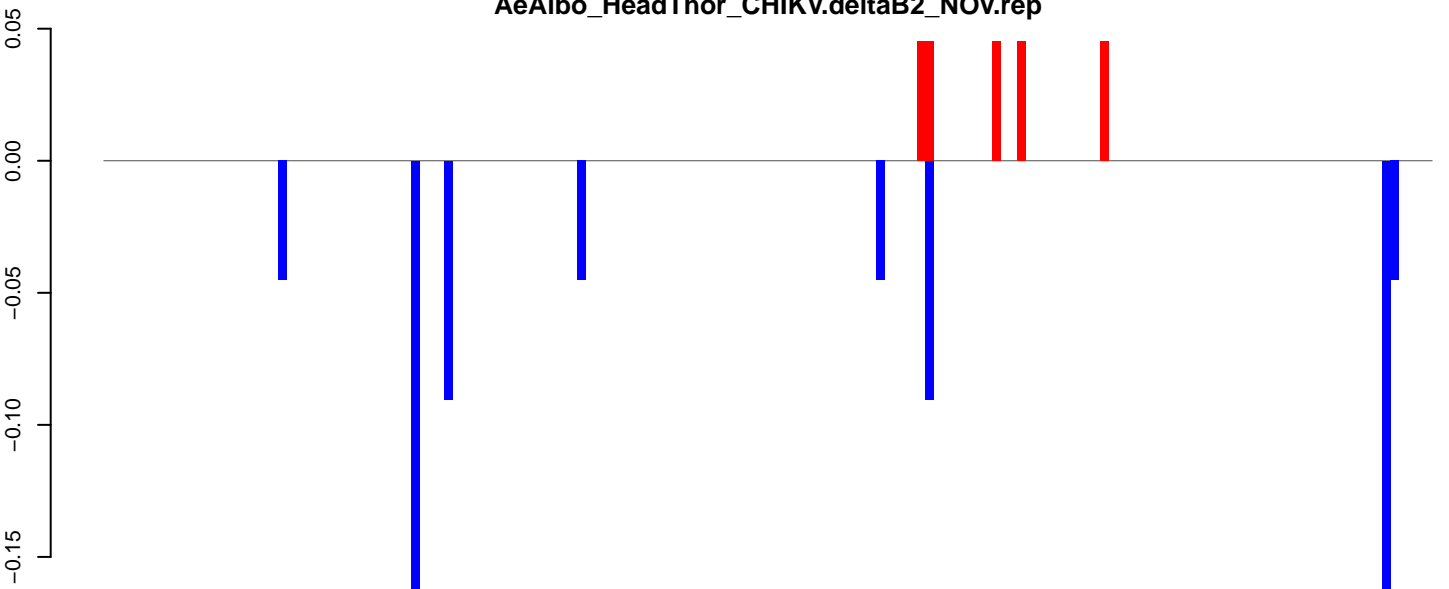
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AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



positive=0, negative=0, total=1

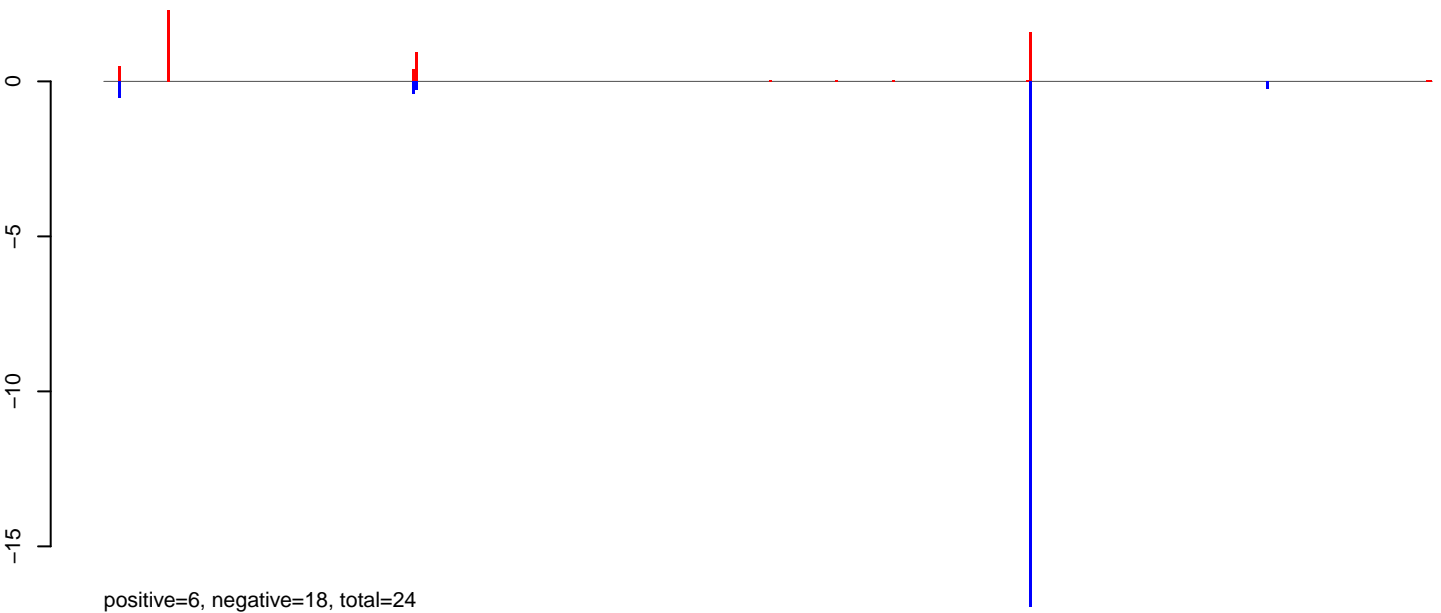
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



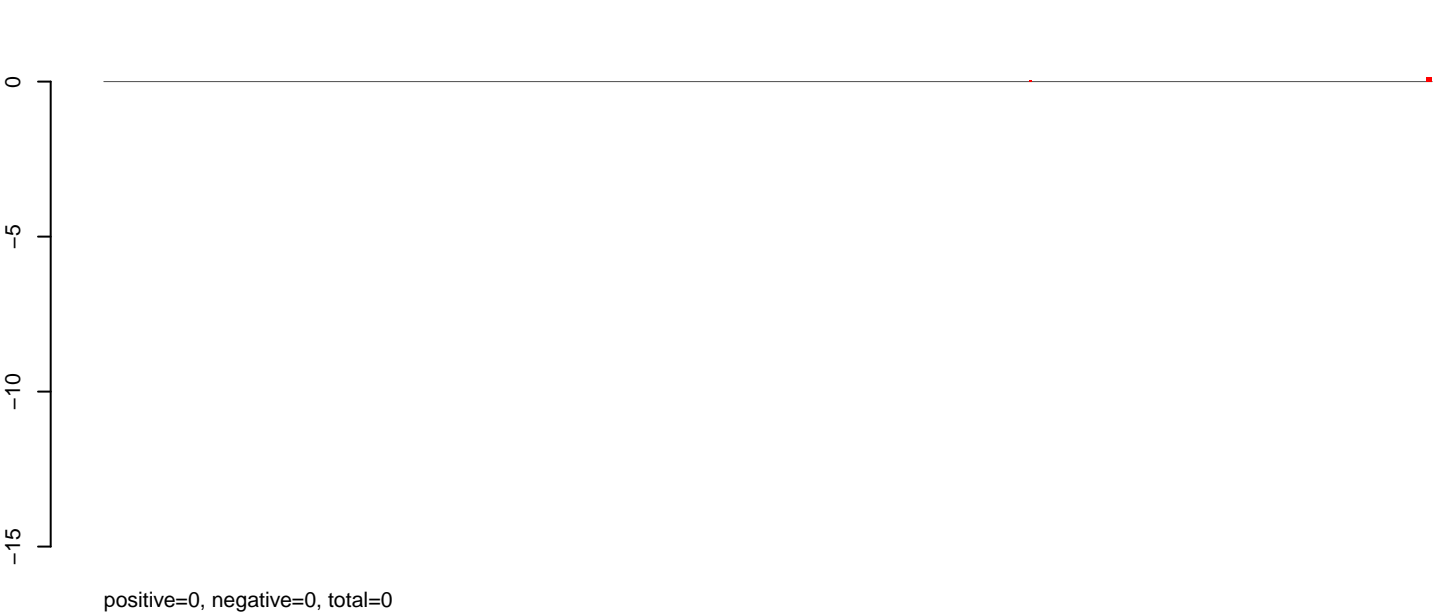
positive=0, negative=1, total=1 Window size=25, length=3991, virus@MH188044.1-Culex\_densovirus\_strain\_CDenV\_Madera-3:1-3991



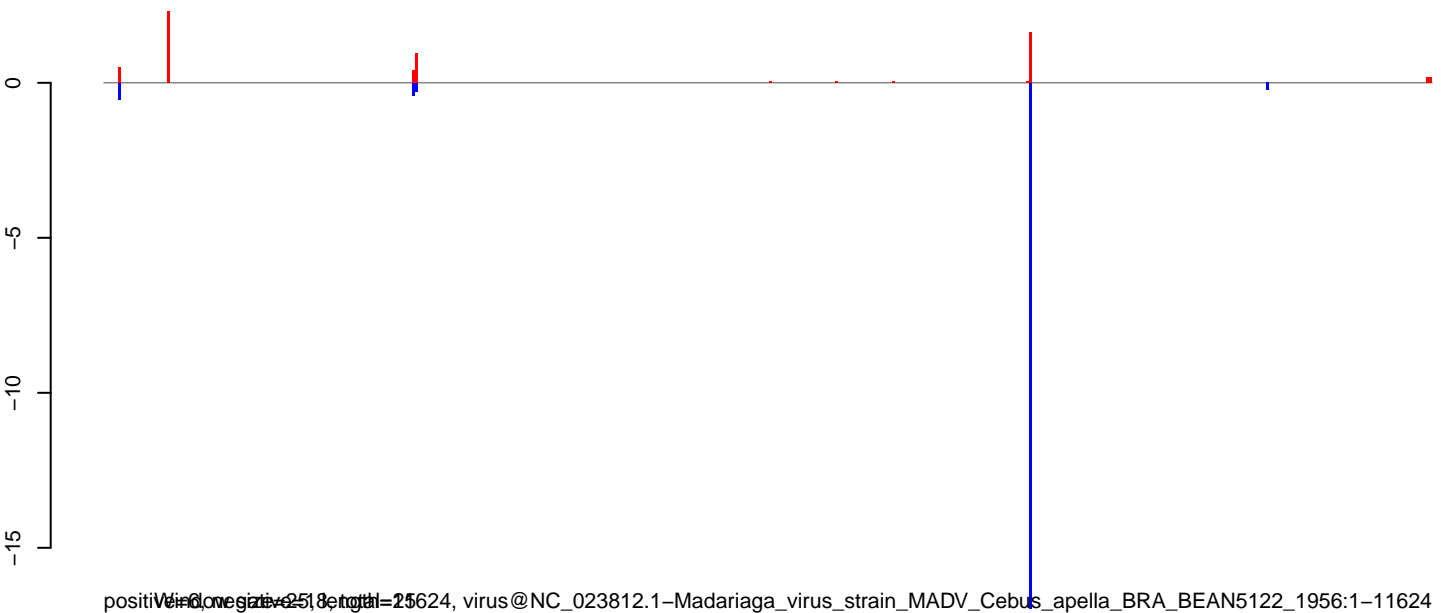
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



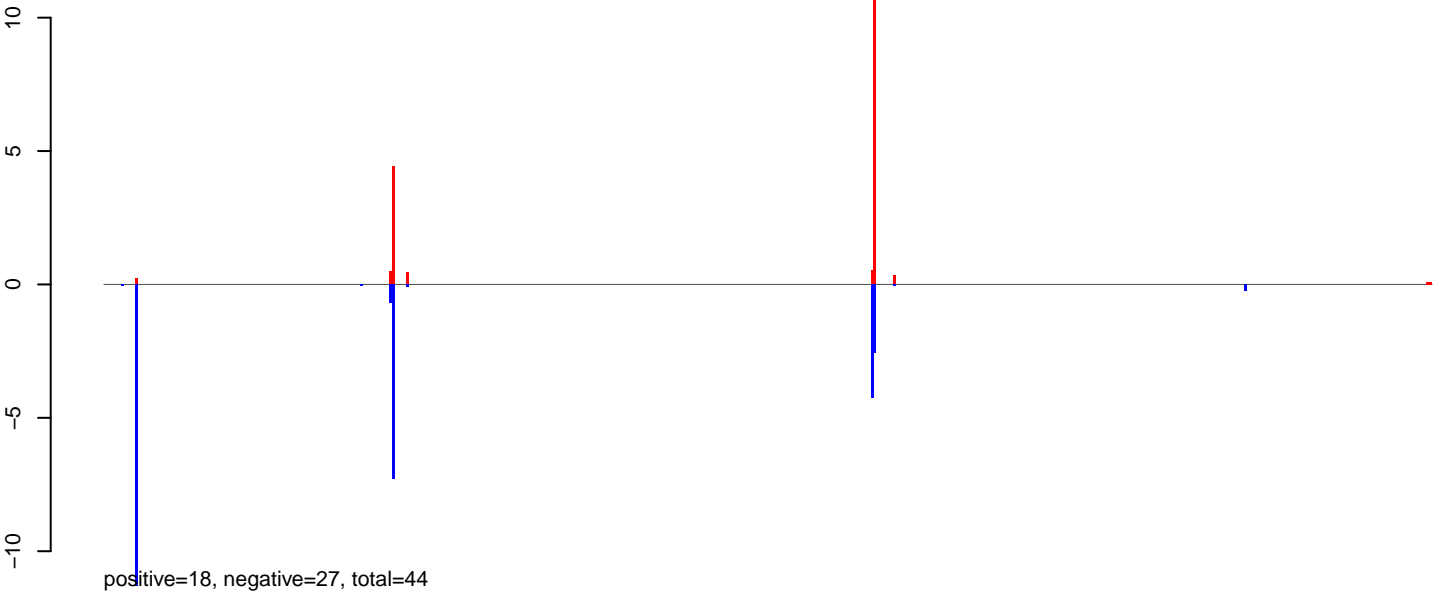
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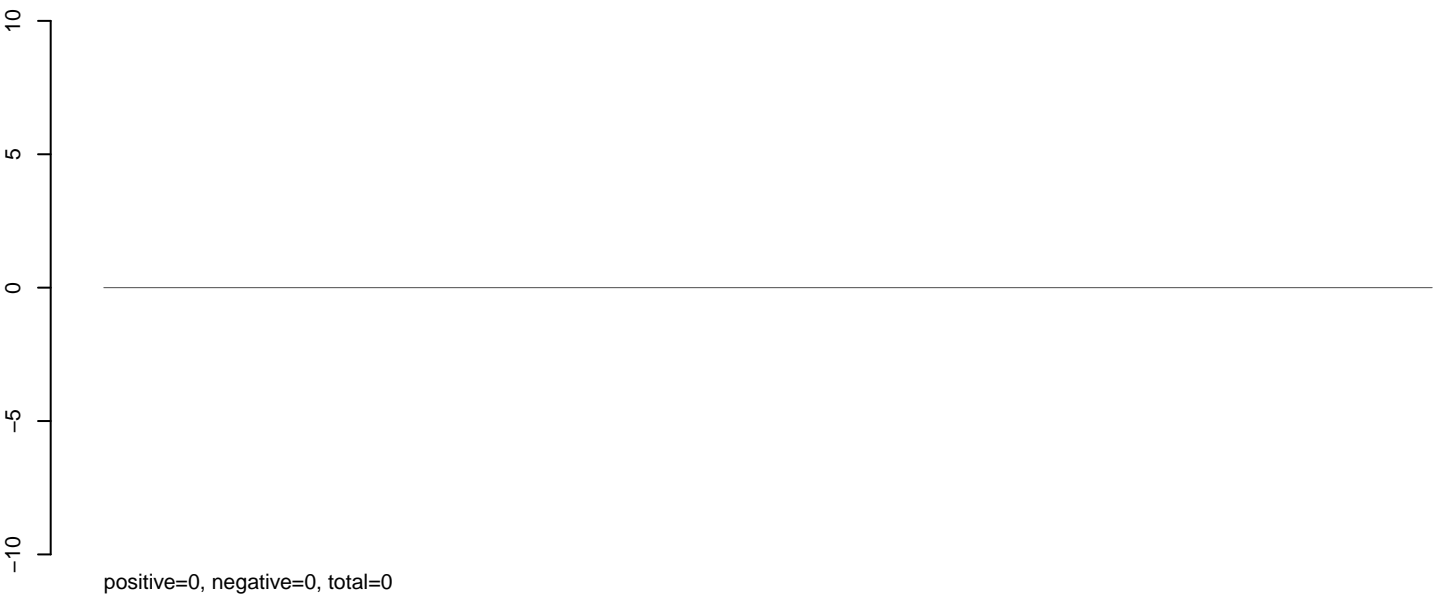
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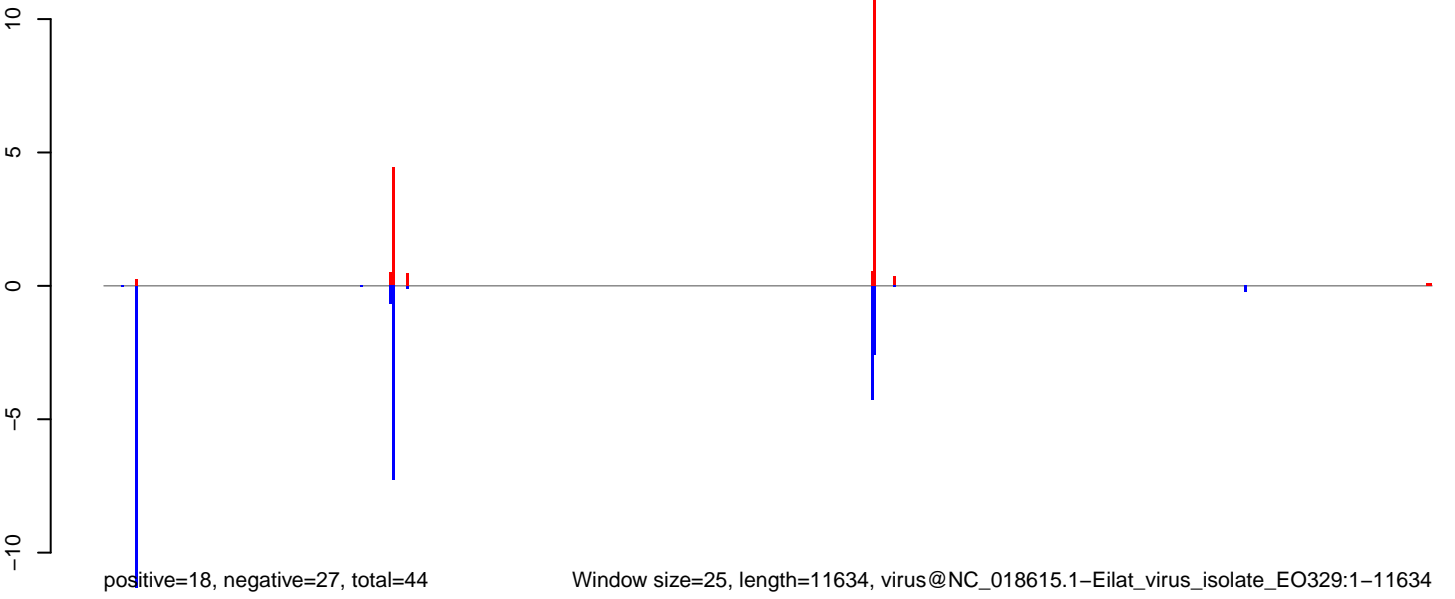
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep

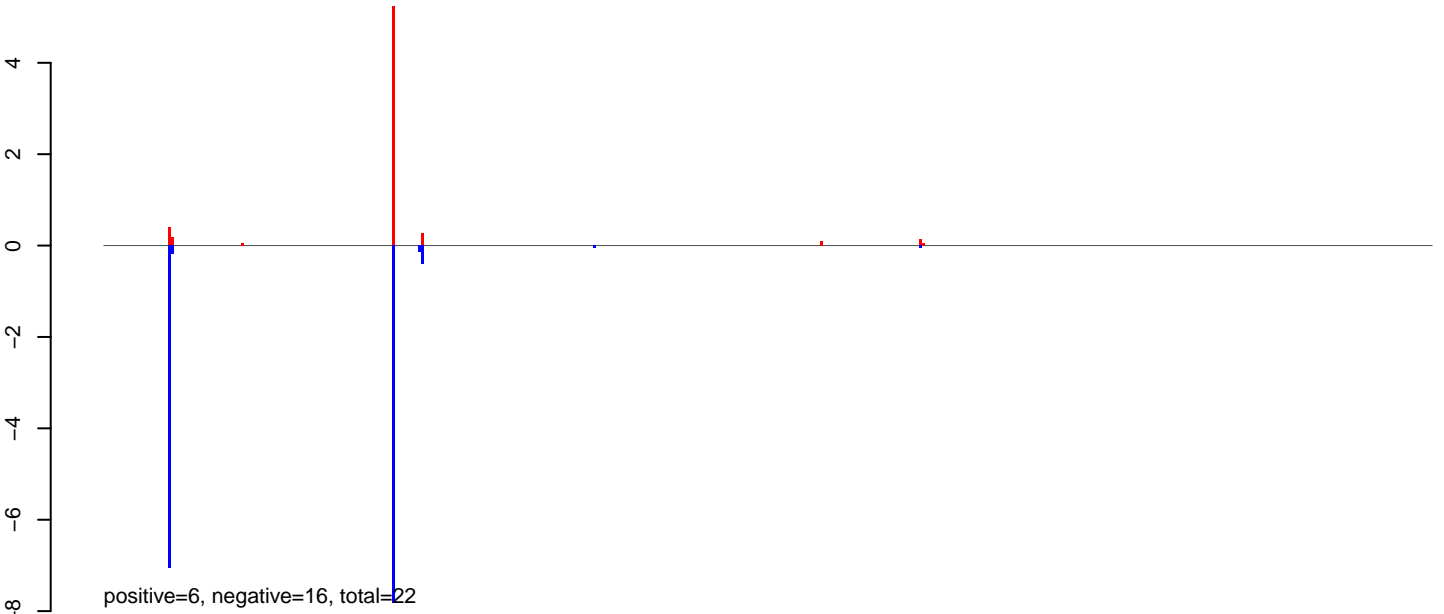


AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep

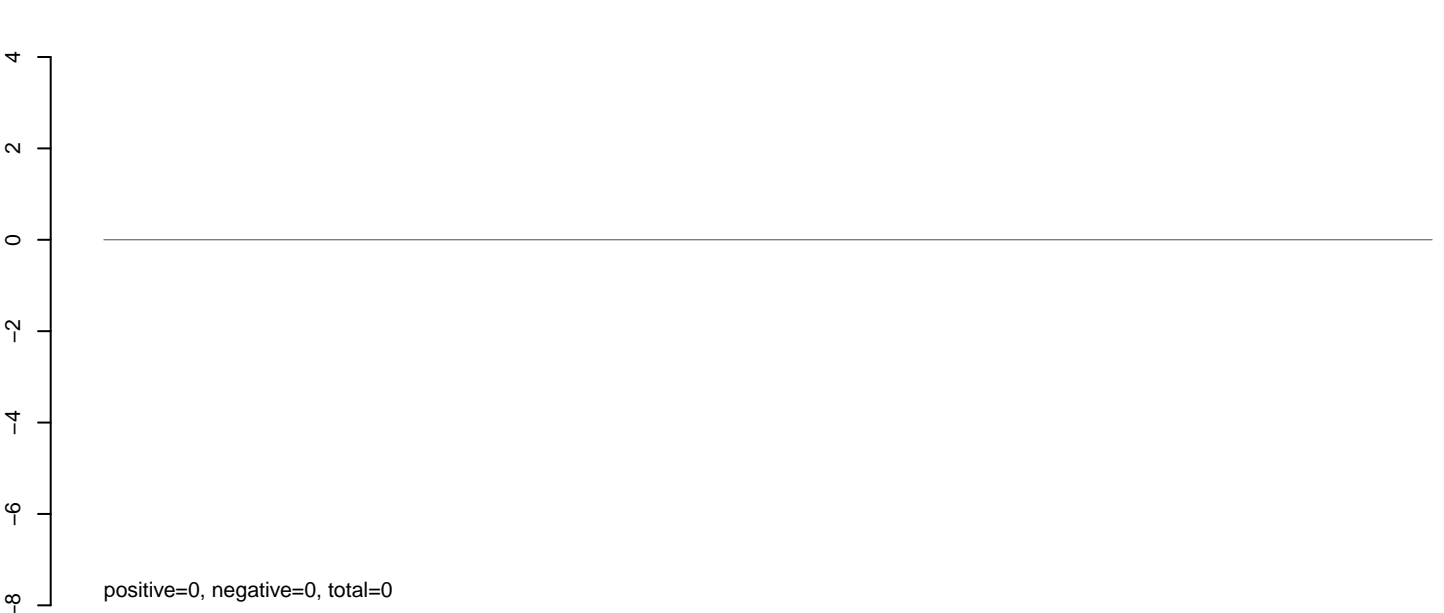


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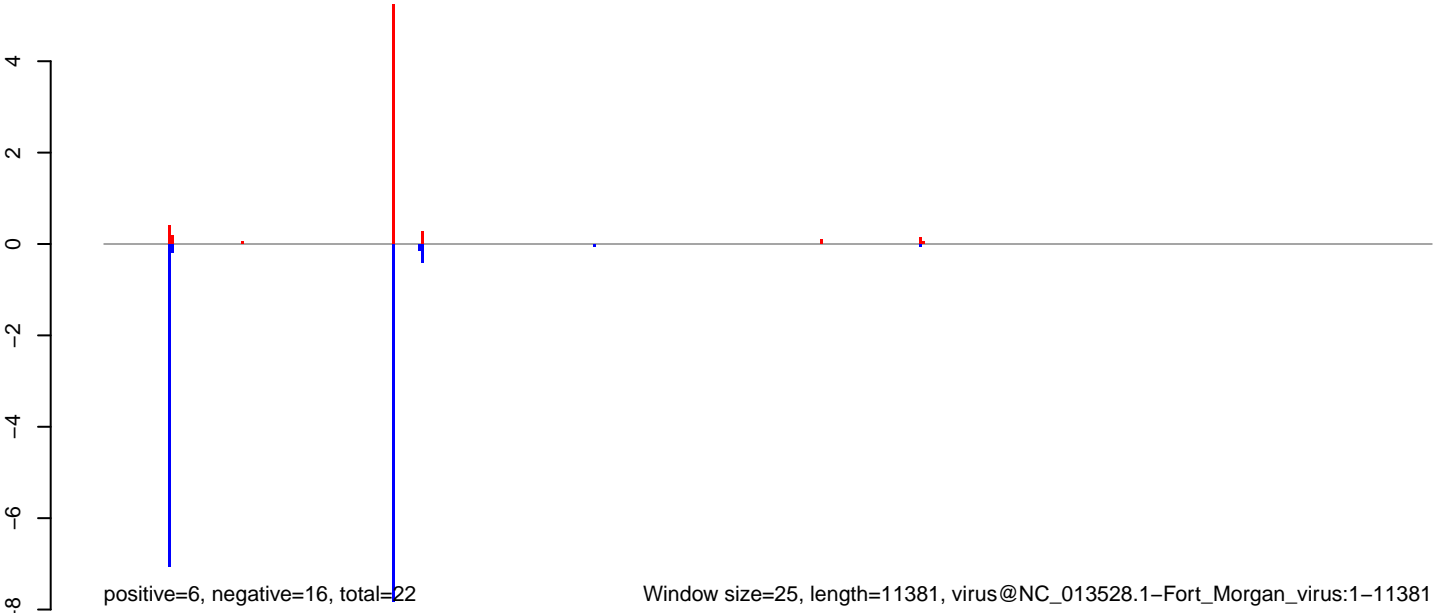
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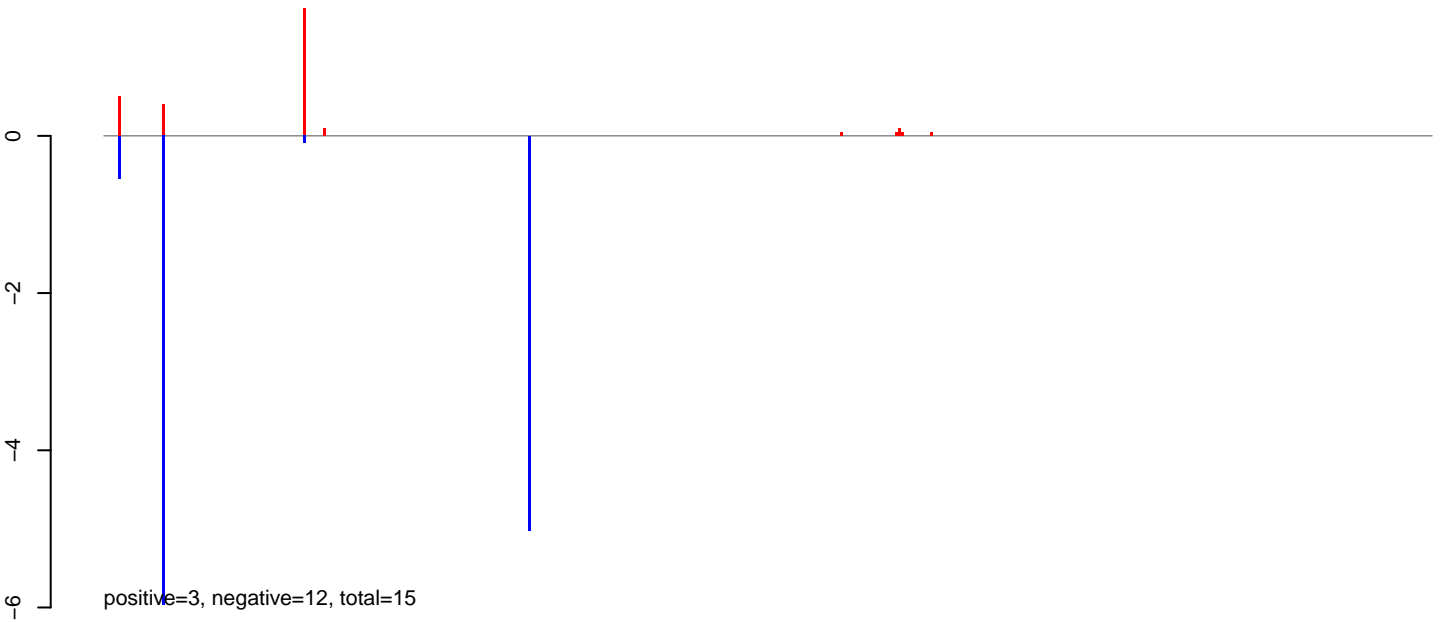
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



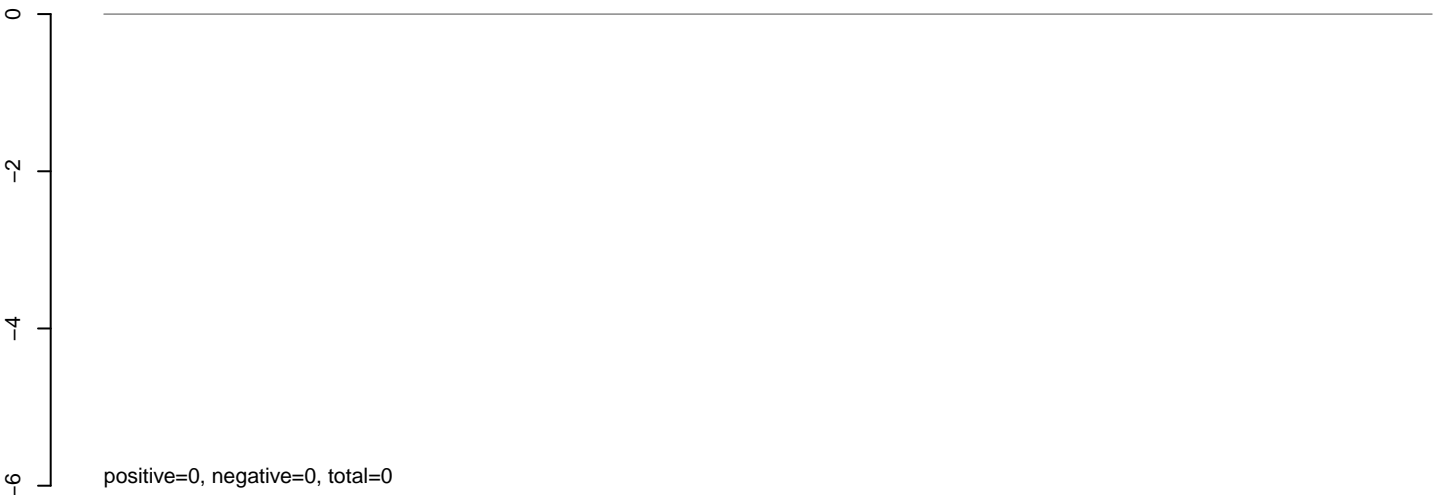
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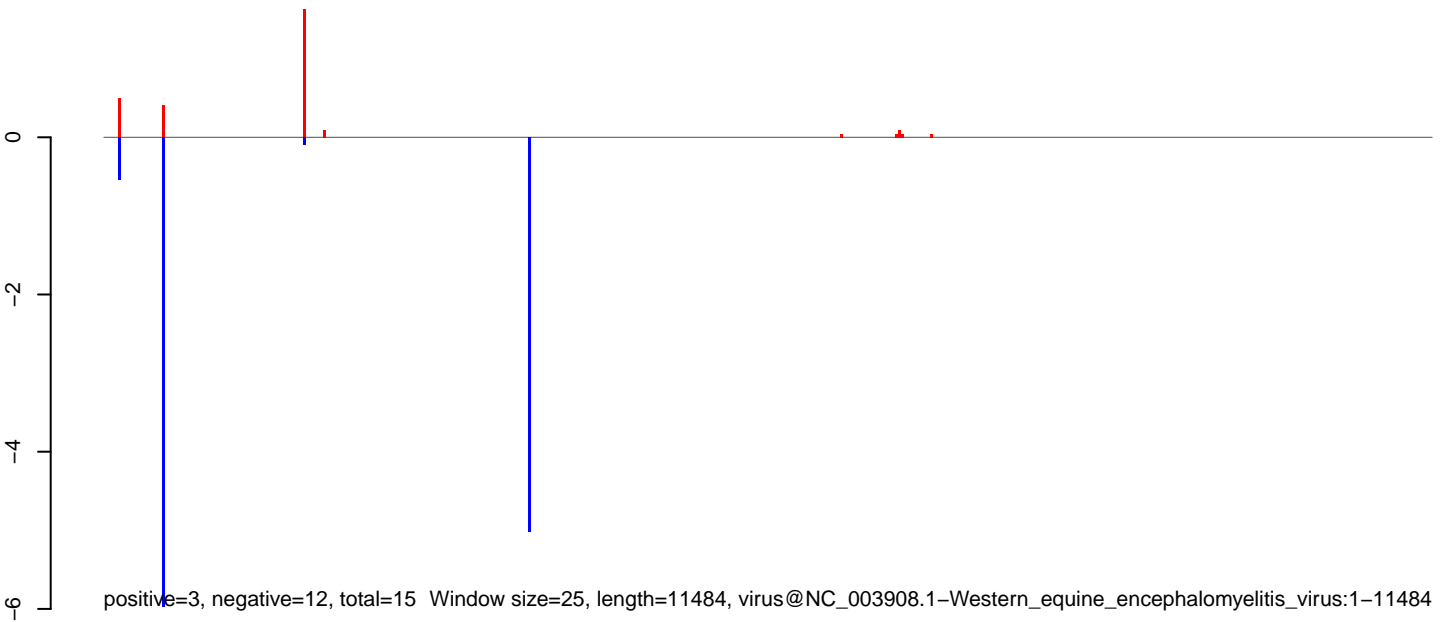
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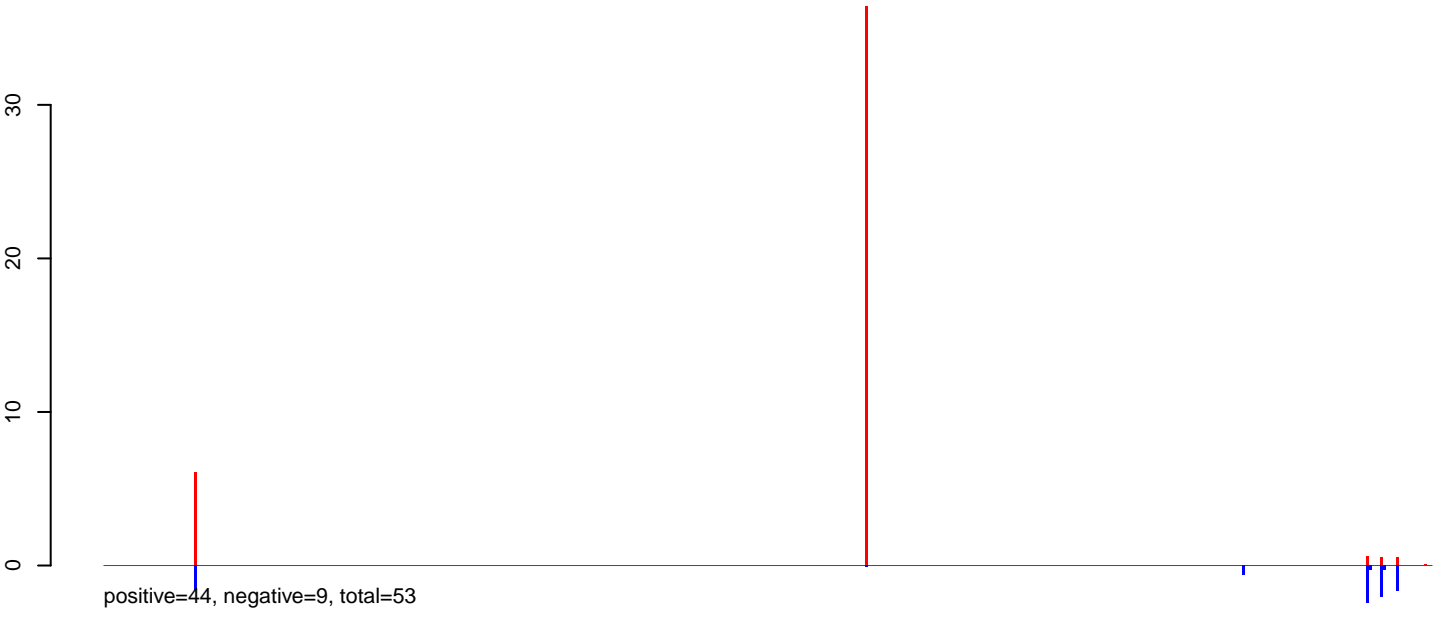
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



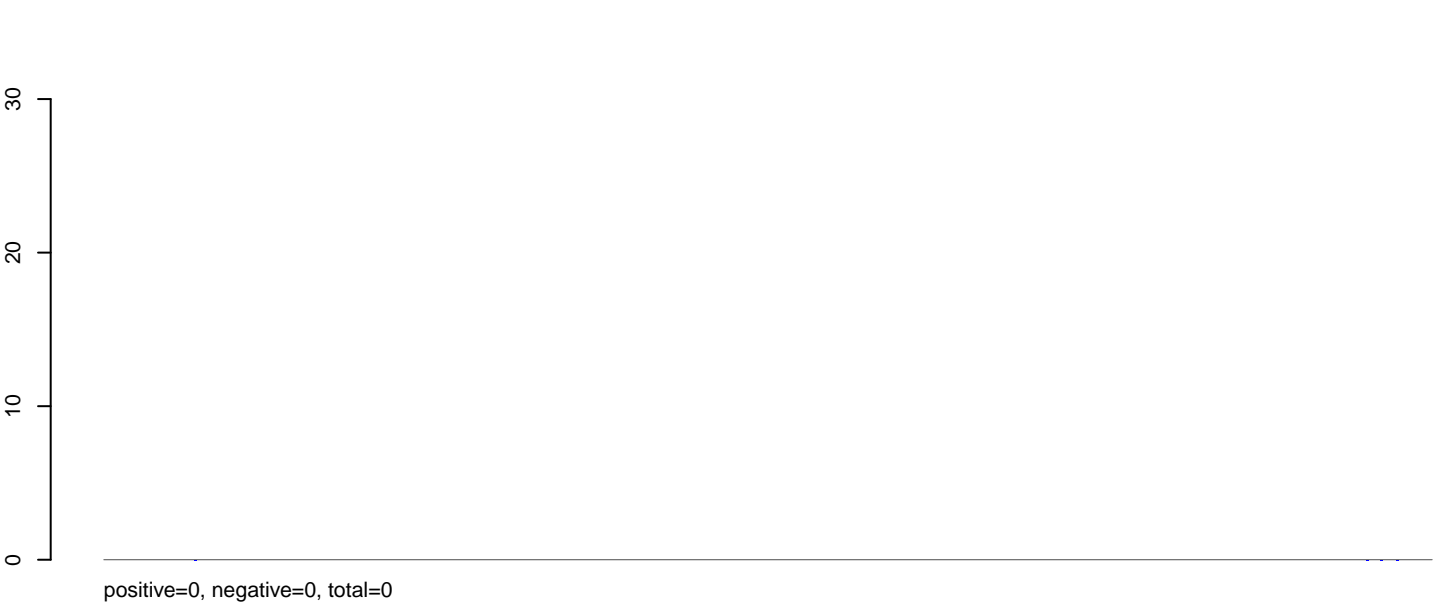
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**

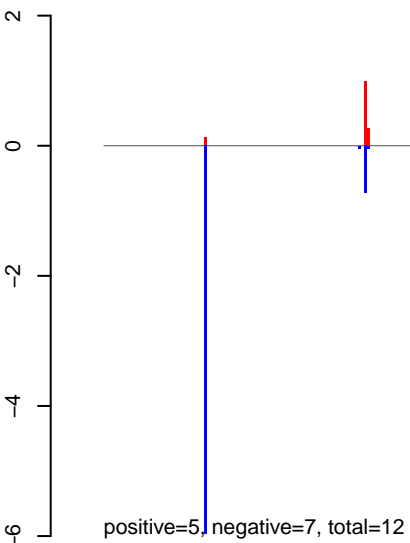


**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**

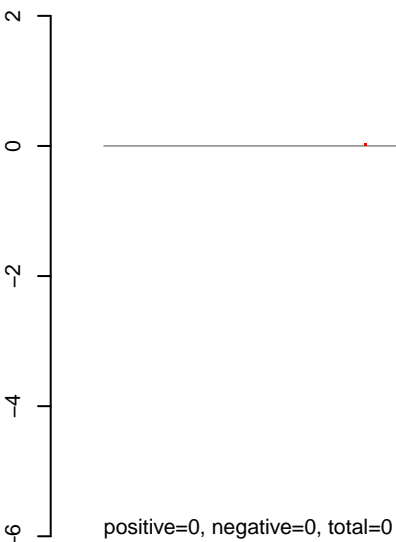


downloaded from the JGI Virus Resource Project (http://www.jgi.doe.gov) and deposited in the NCBI Virus database (Accession No. FJ414799.1) - Trocara\_virus\_non\_structural\_polyprotein\_gene\_partial\_cds\_and\_structural\_polyprotei:1-12052

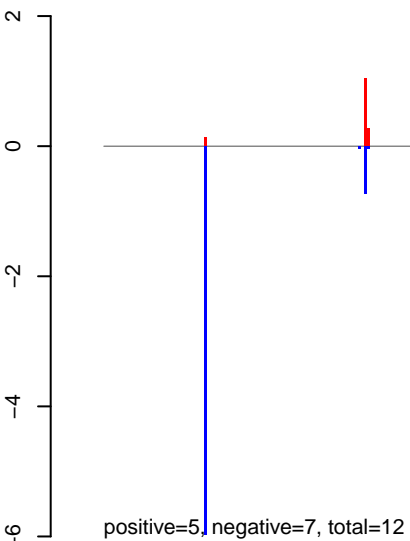
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



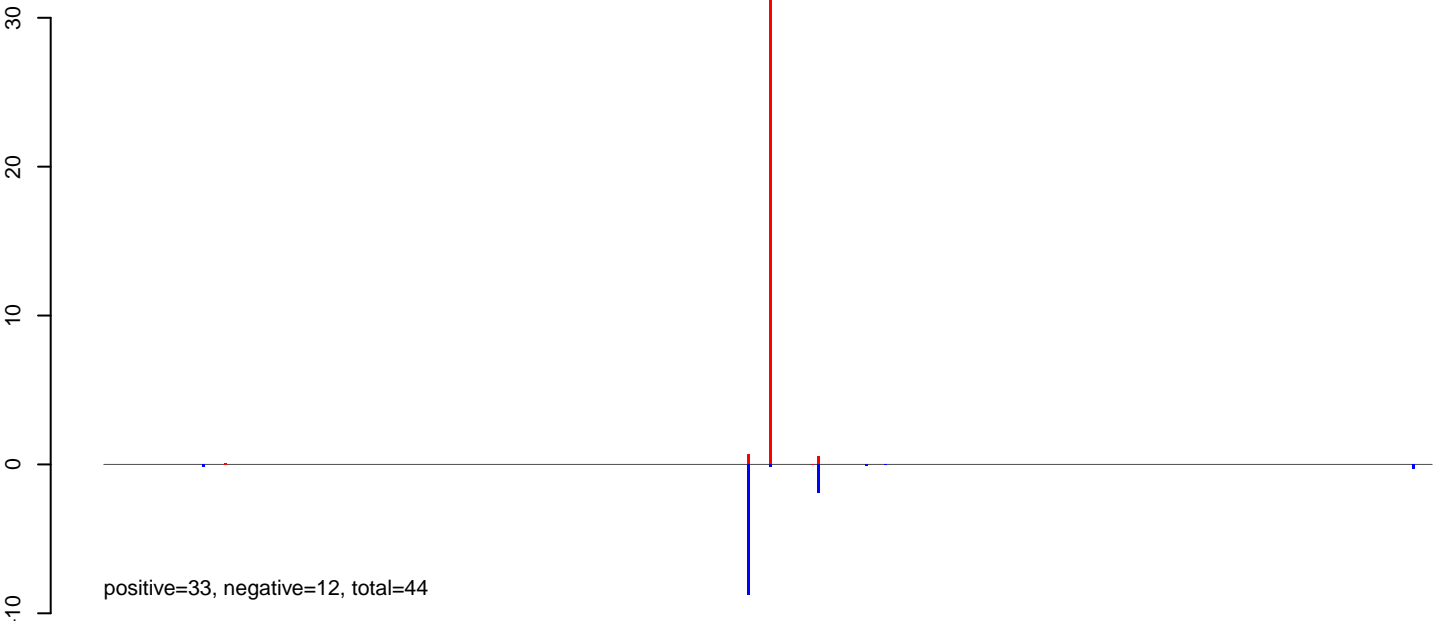
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



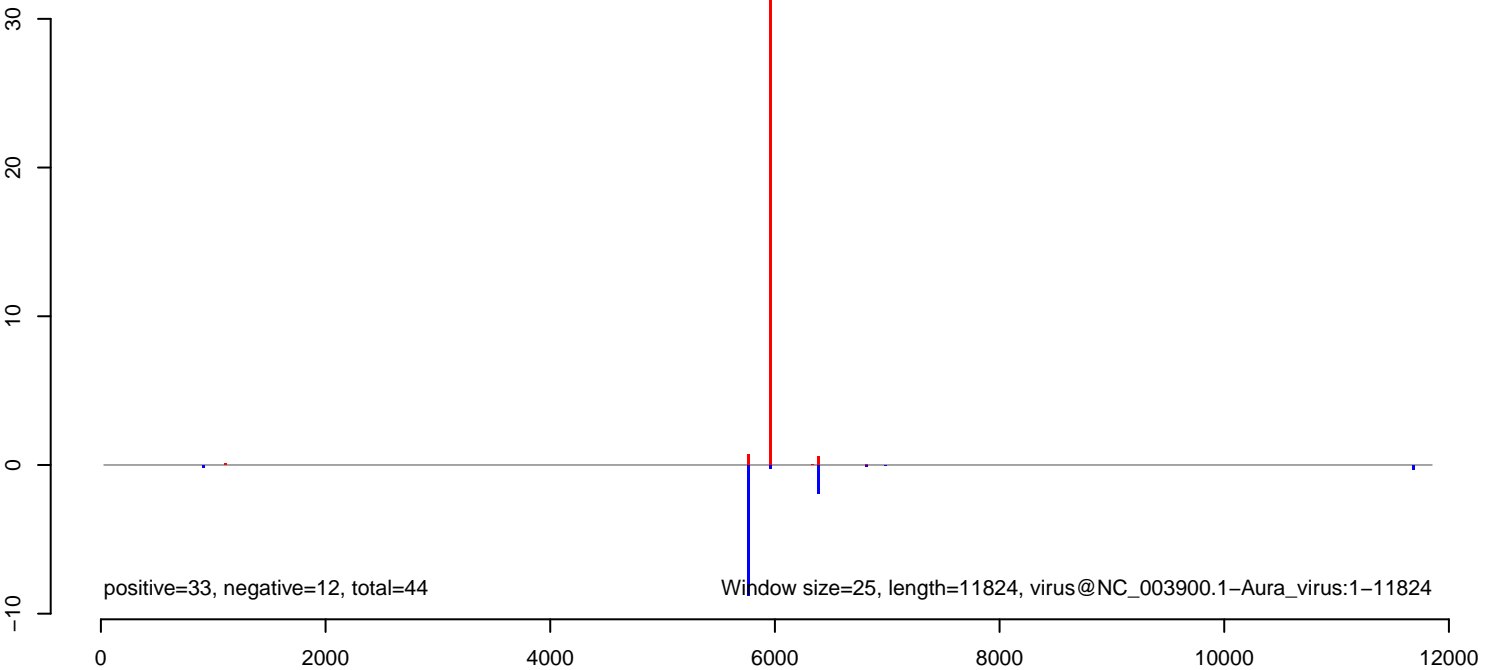
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



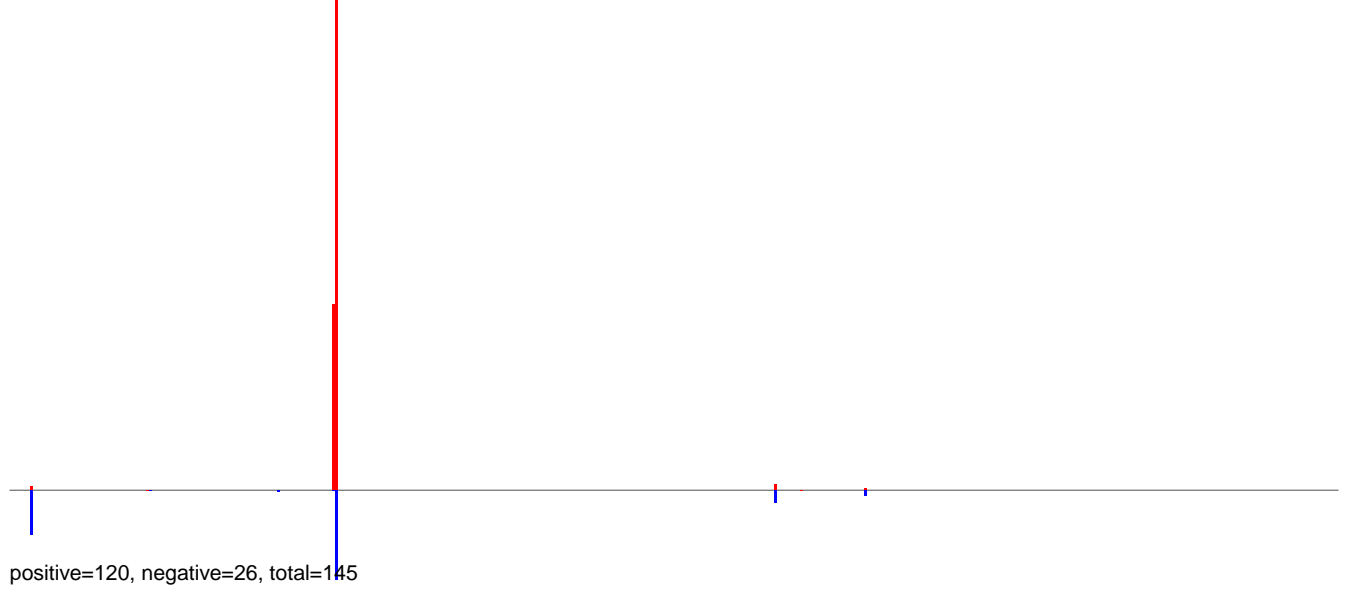
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



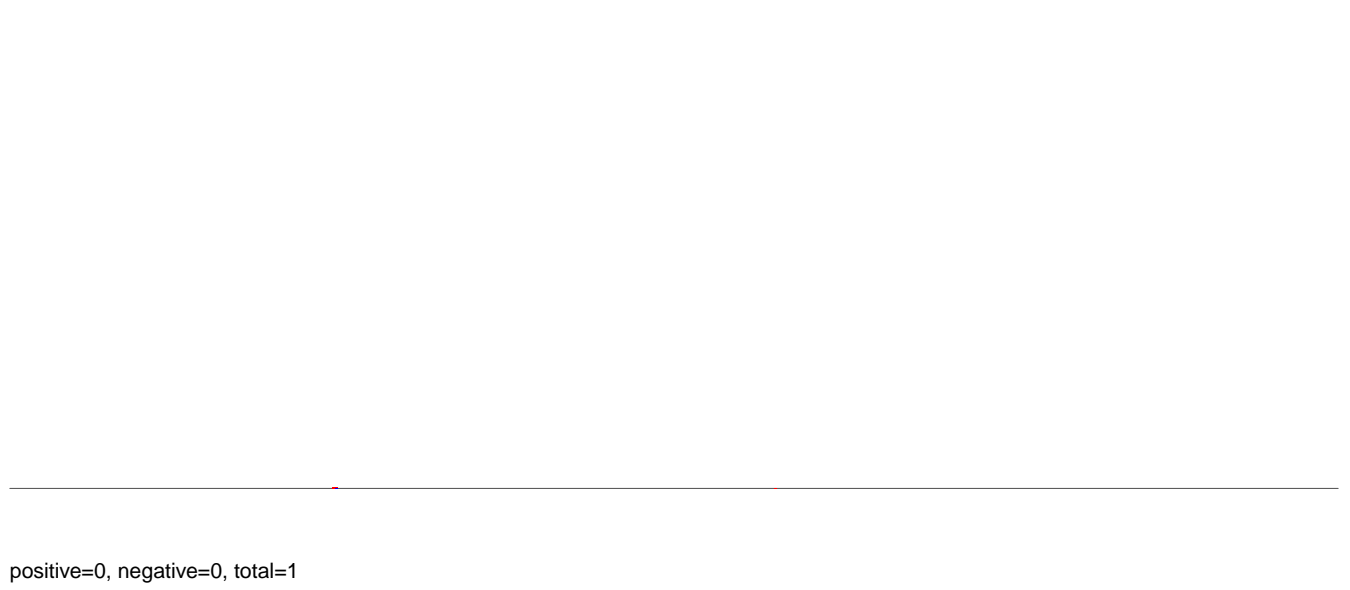
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



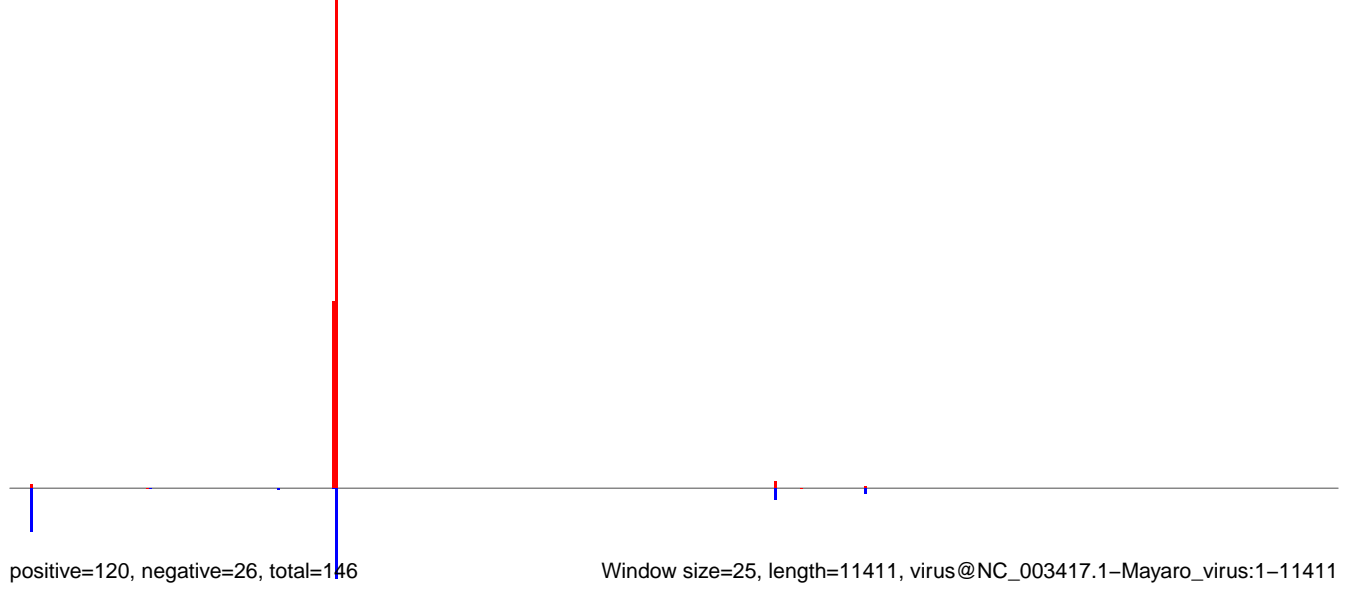
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**

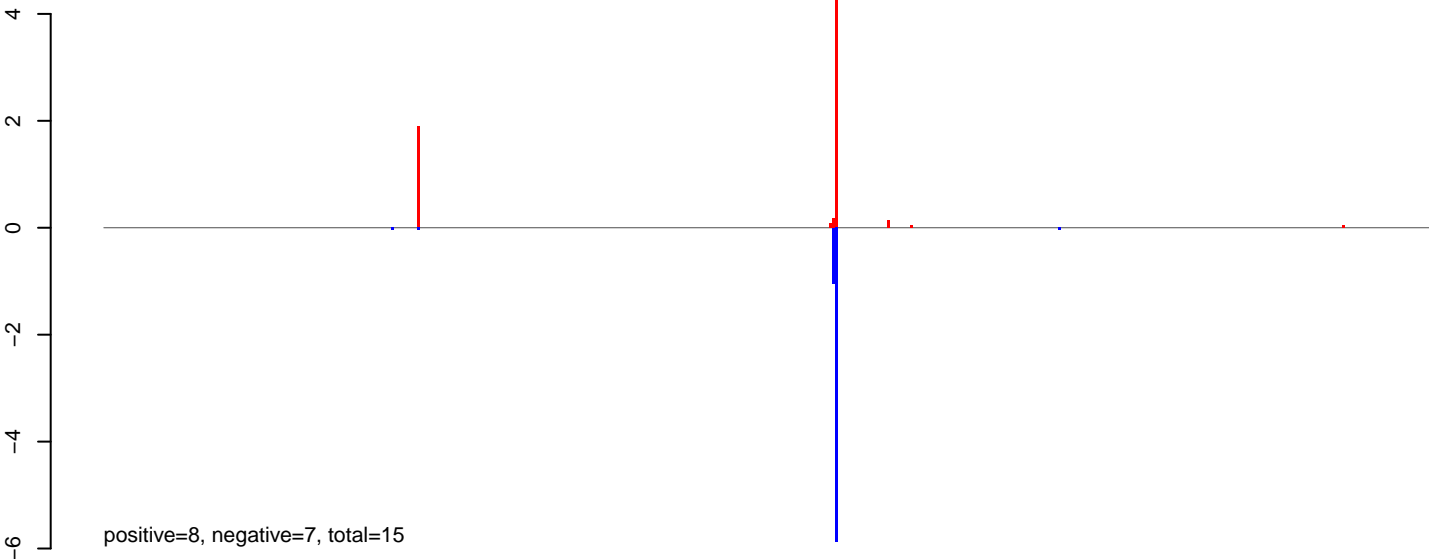


**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**

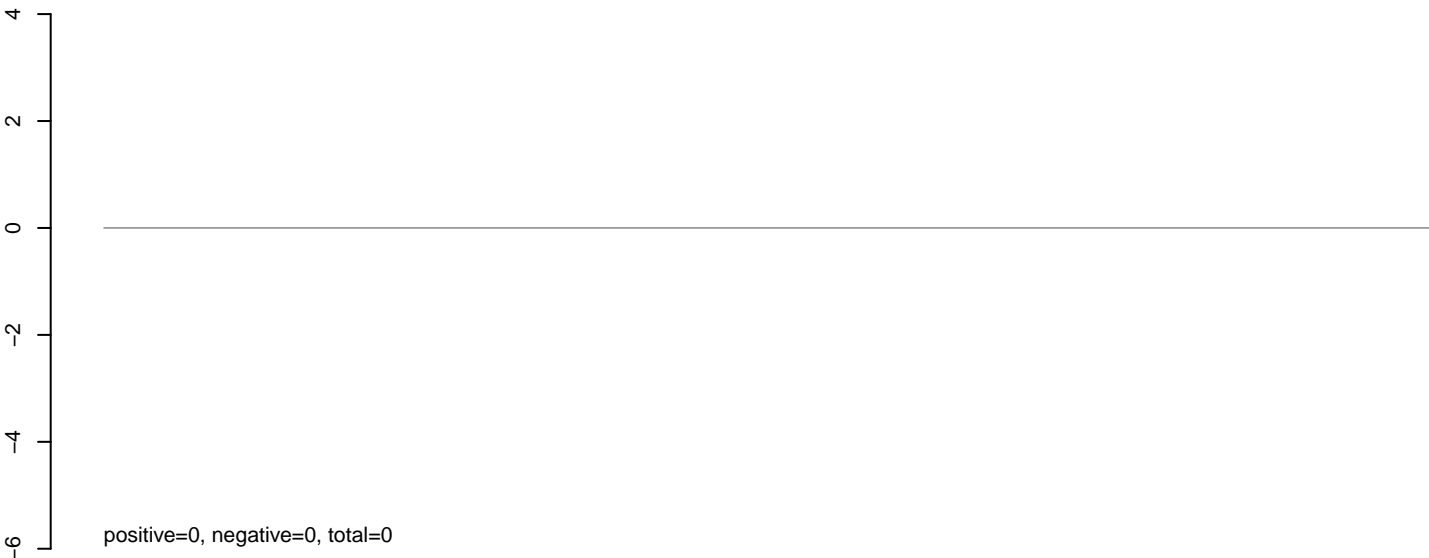




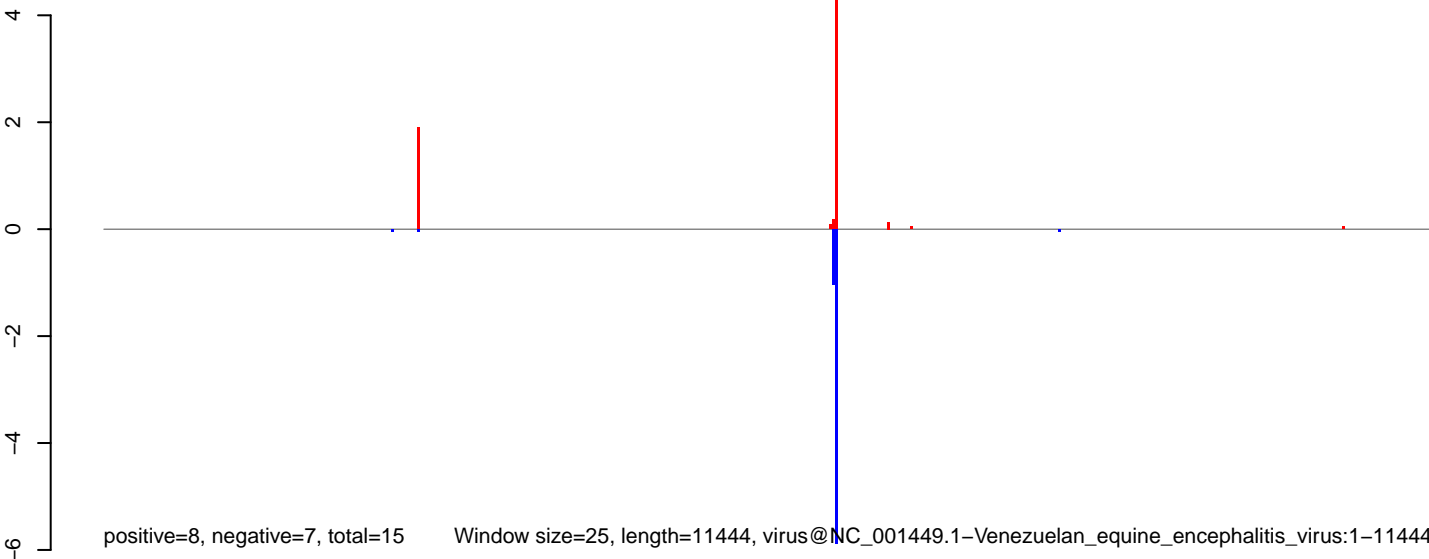
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



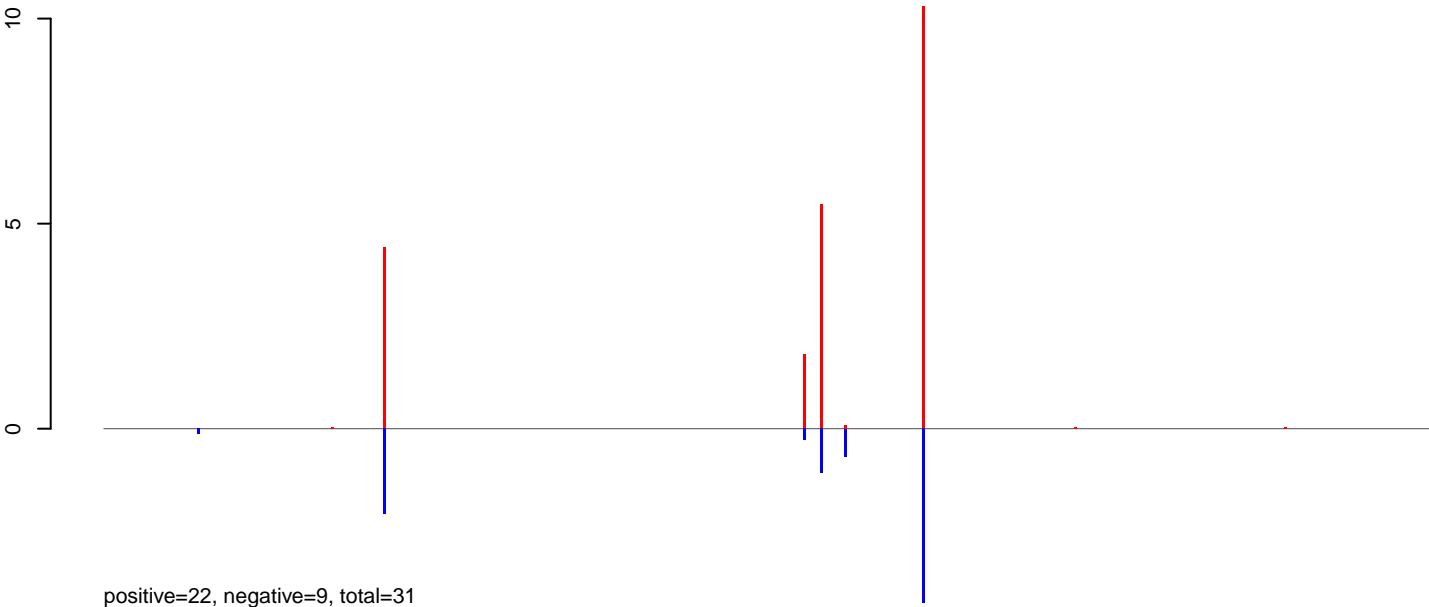
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



Window size=25, length=11444, virus@NC\_001449.1-Venezuelan\_equine\_encephalitis\_virus:1-11444

0 2000 4000 6000 8000 10000

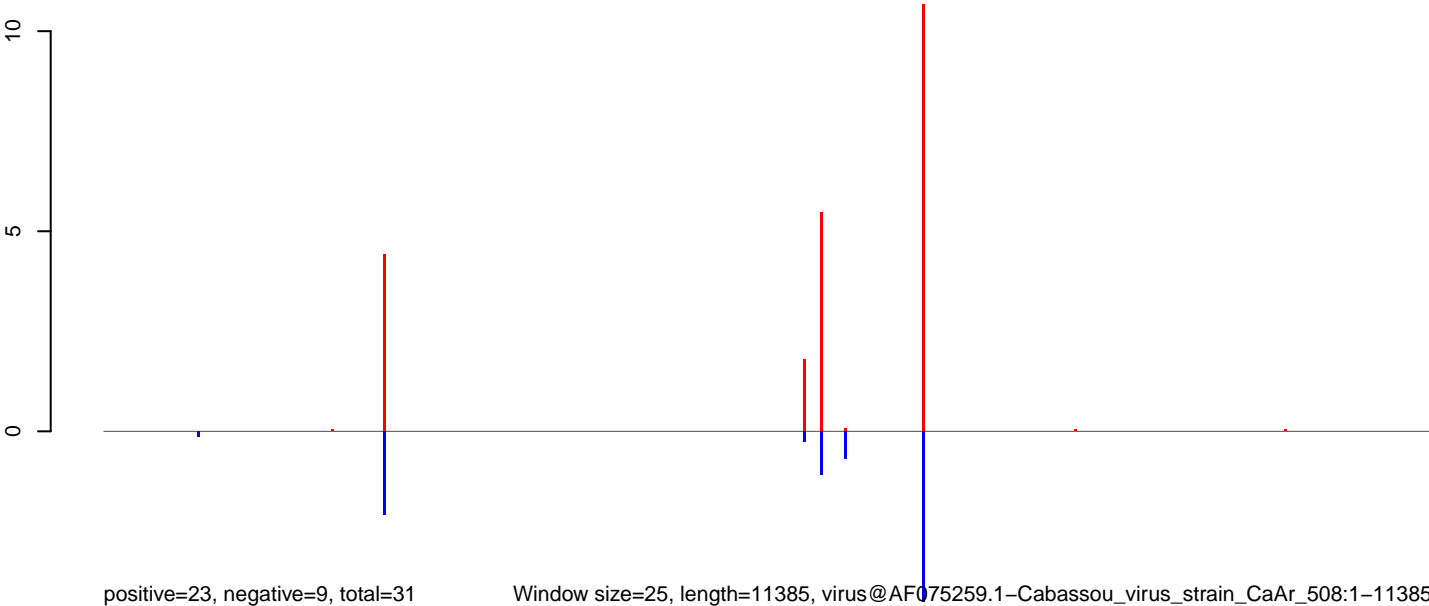
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



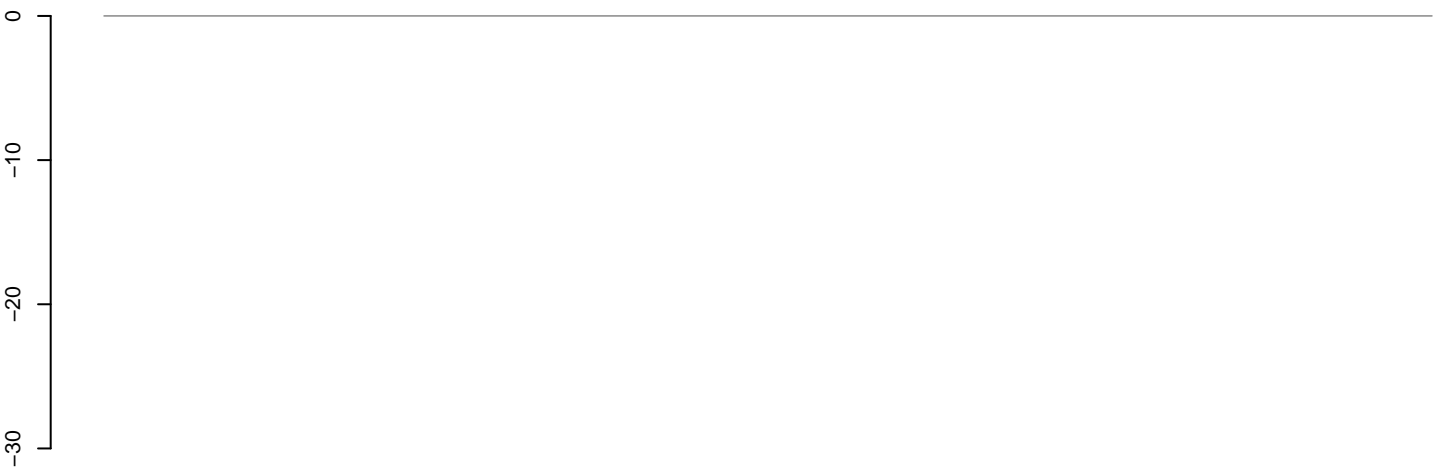
Window size=25, length=11385, virus@AF075259.1-Cabassou\_virus\_strain\_CaAr\_508:1-11385

**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



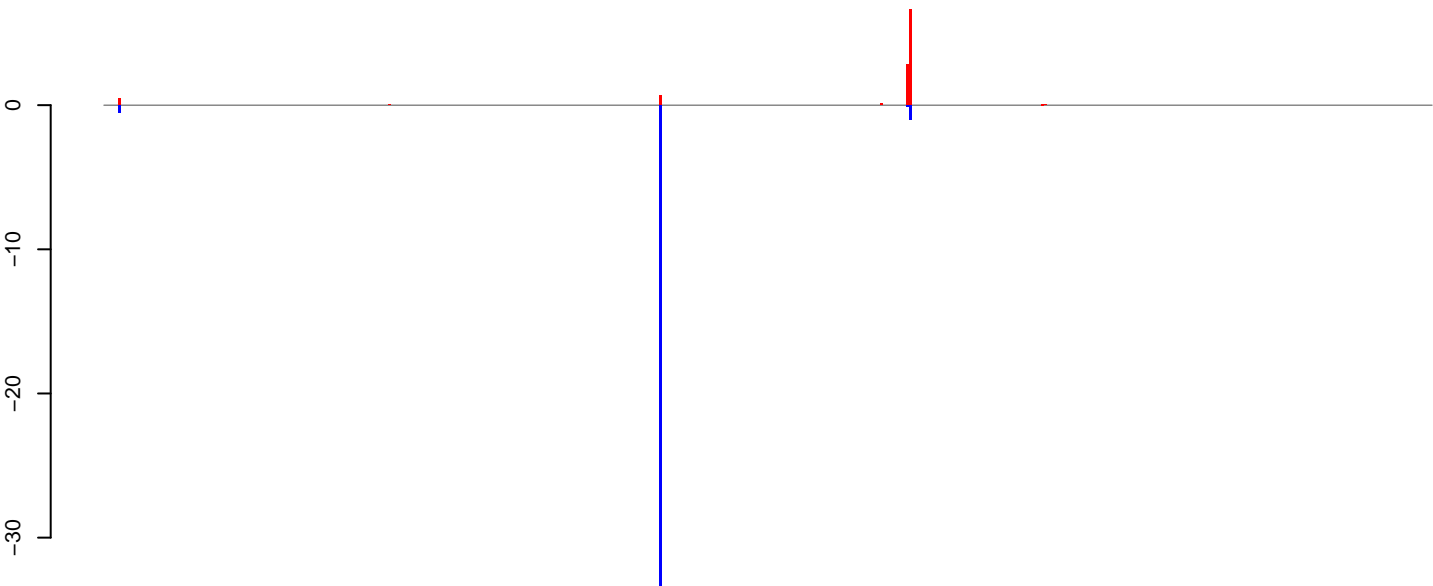
positive=11, negative=36, total=47

**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



positive=0, negative=0, total=0

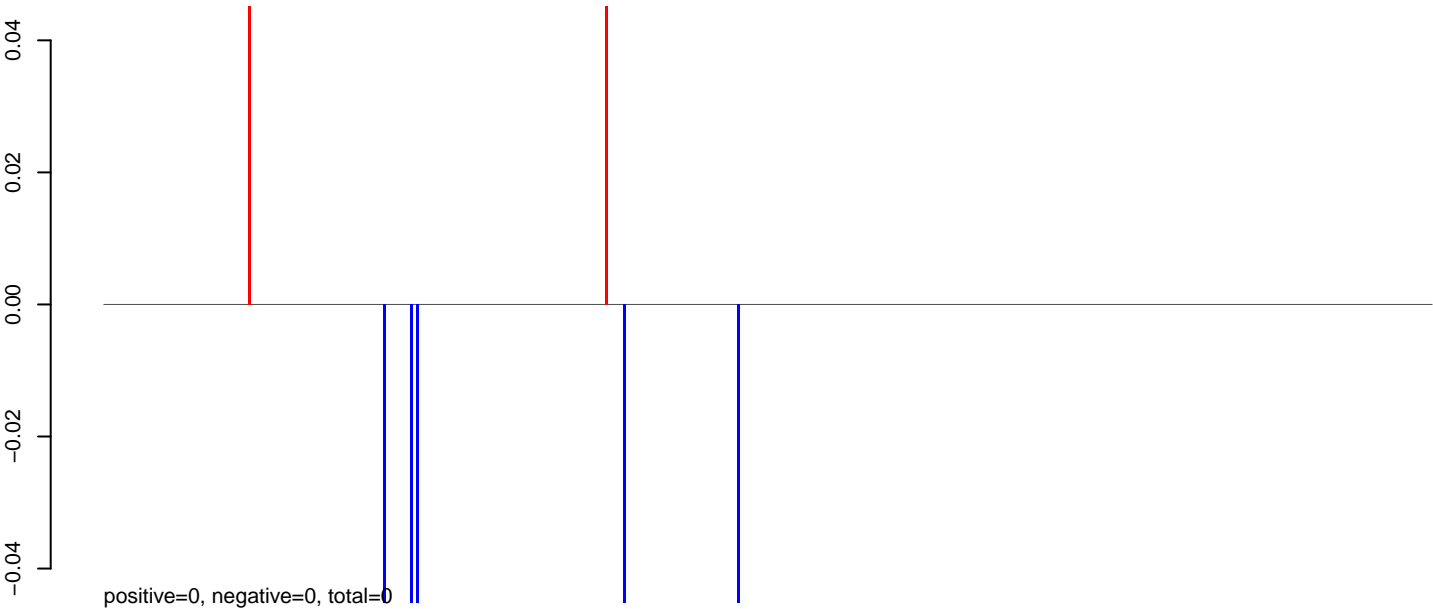
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



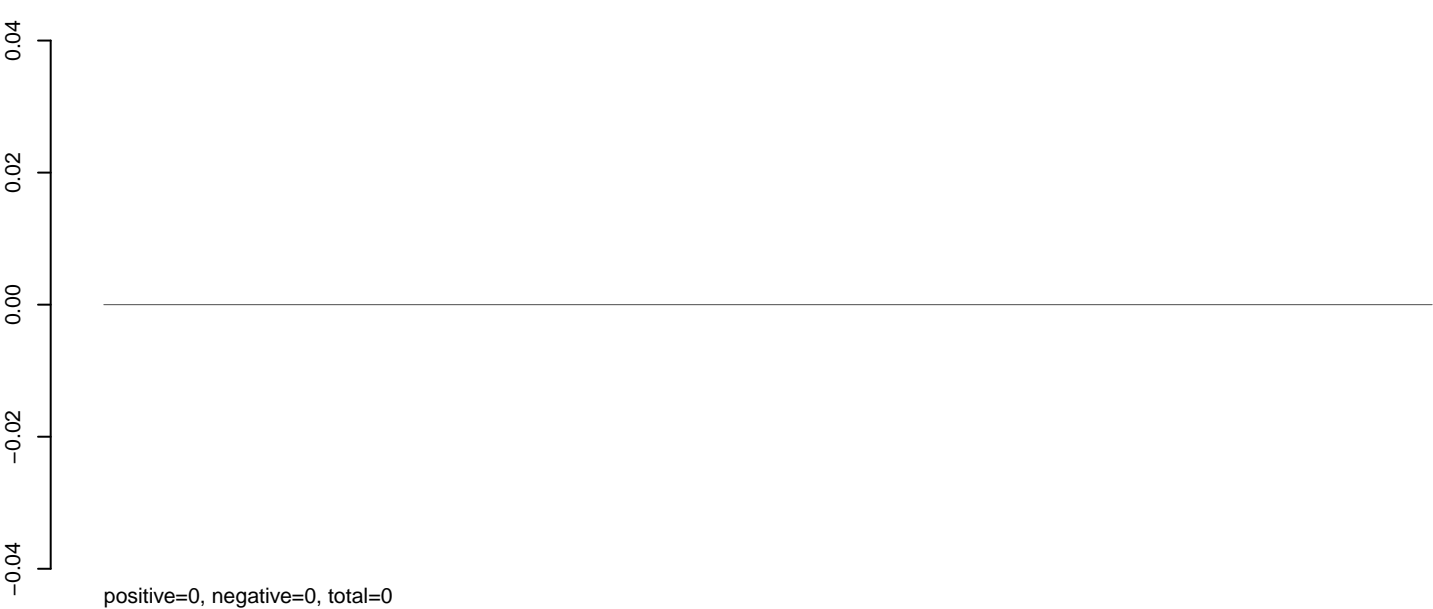
positive=11, negative=36, total=47 Window size=25, length=11530, virus@AF075254.1-Tonate\_virus\_strain\_Tonate\_CaAn\_410d:1-11530

0 2000 4000 6000 8000 10000 12000

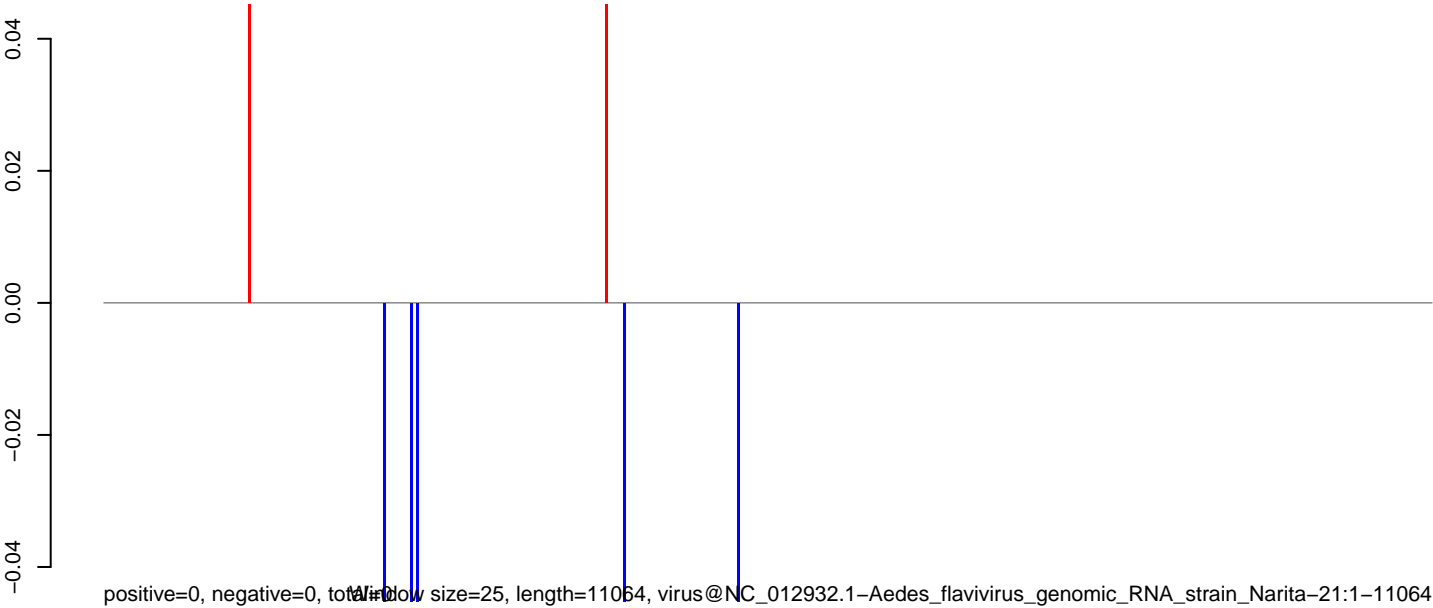
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



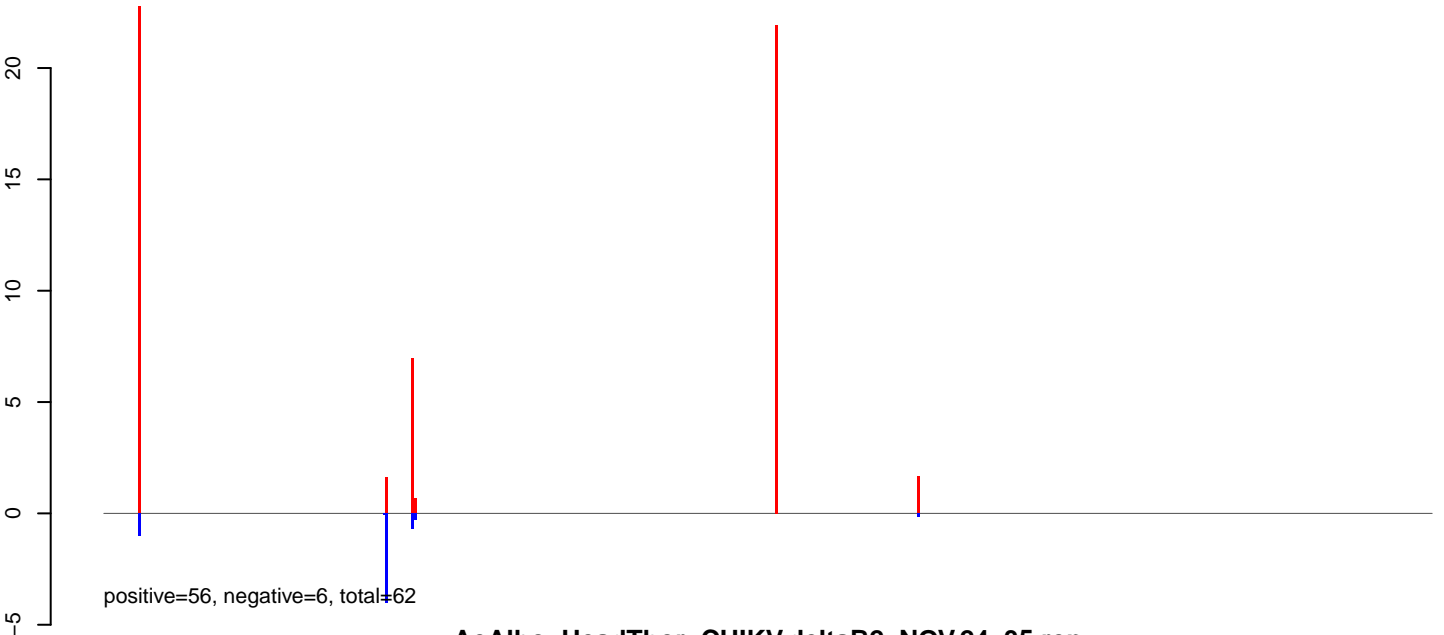
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



0 2000 4000 6000 8000 10000

positive=0, negative=0, total=0, window size=25, length=11064, virus@NC\_012932.1-Aedes\_flavivirus\_genomic\_RNA\_strain\_Narita-21:1-11064

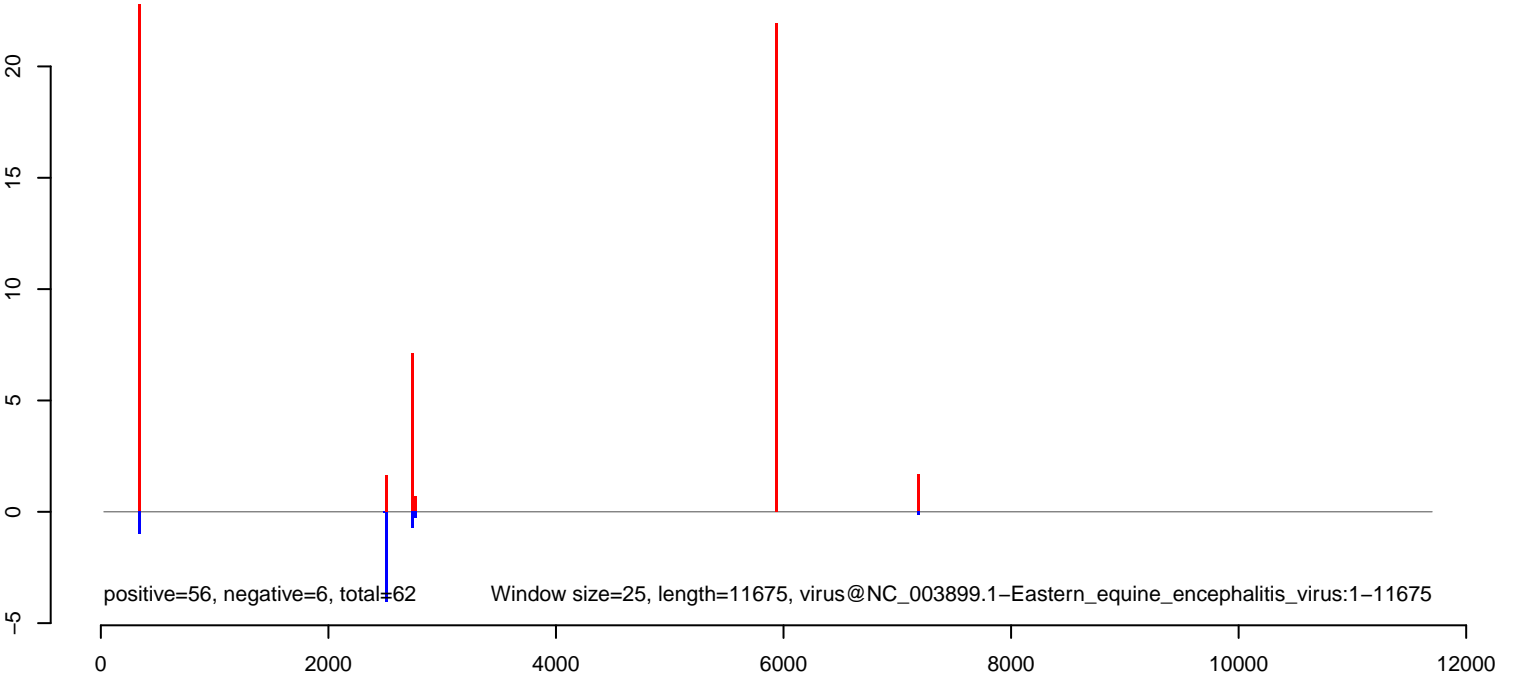
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



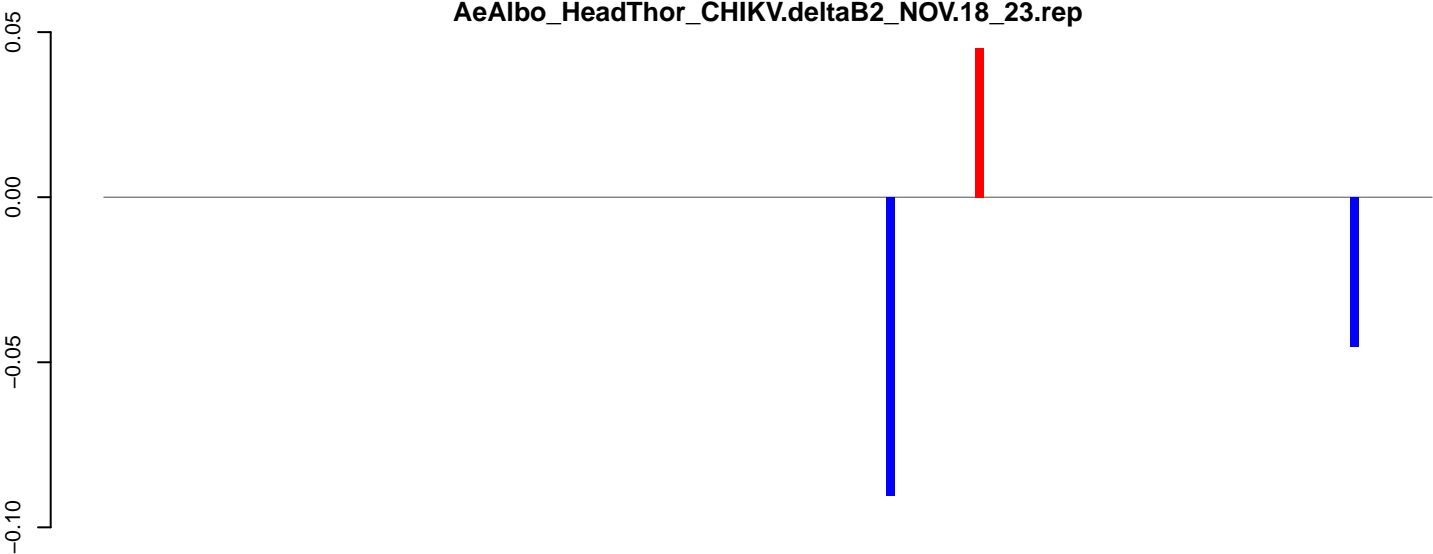
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep

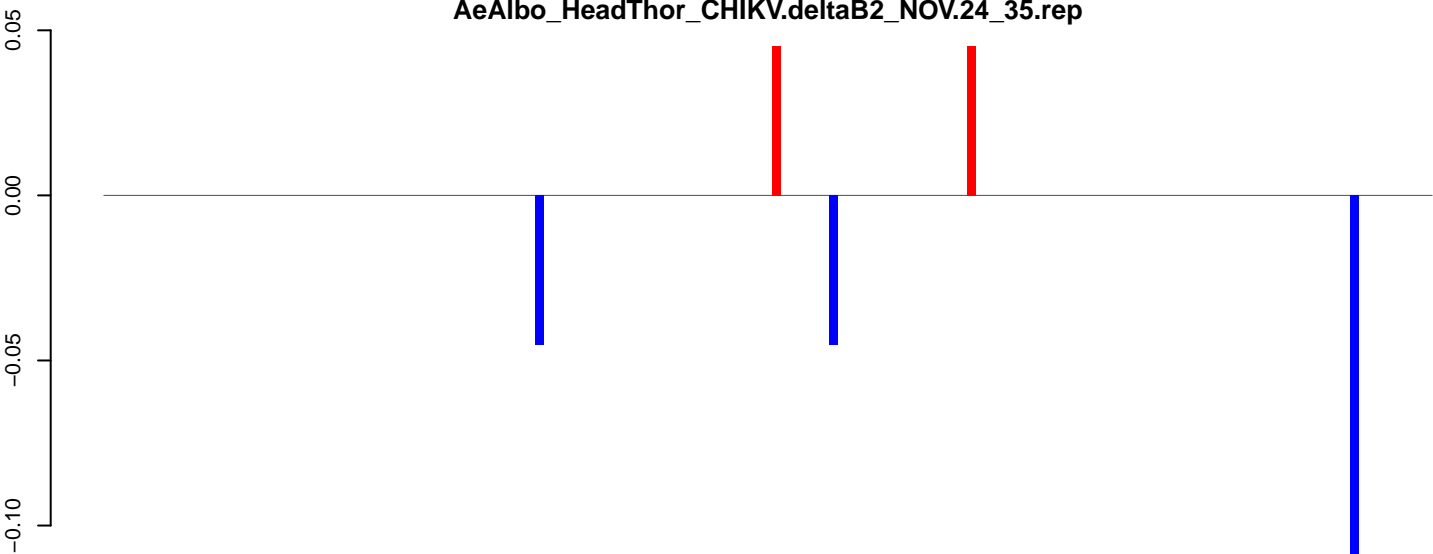


**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



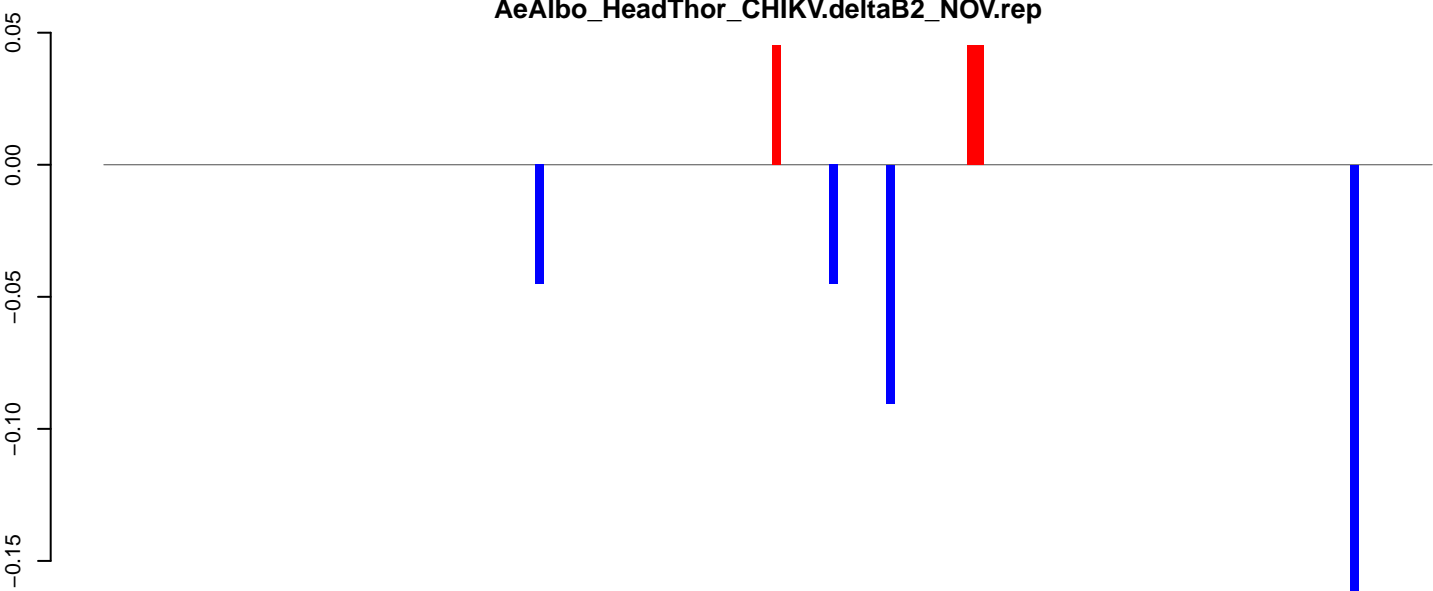
positive=0, negative=0, total=0

**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**

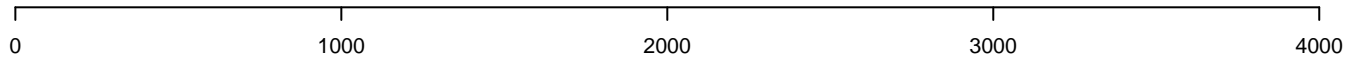


positive=0, negative=0, total=0

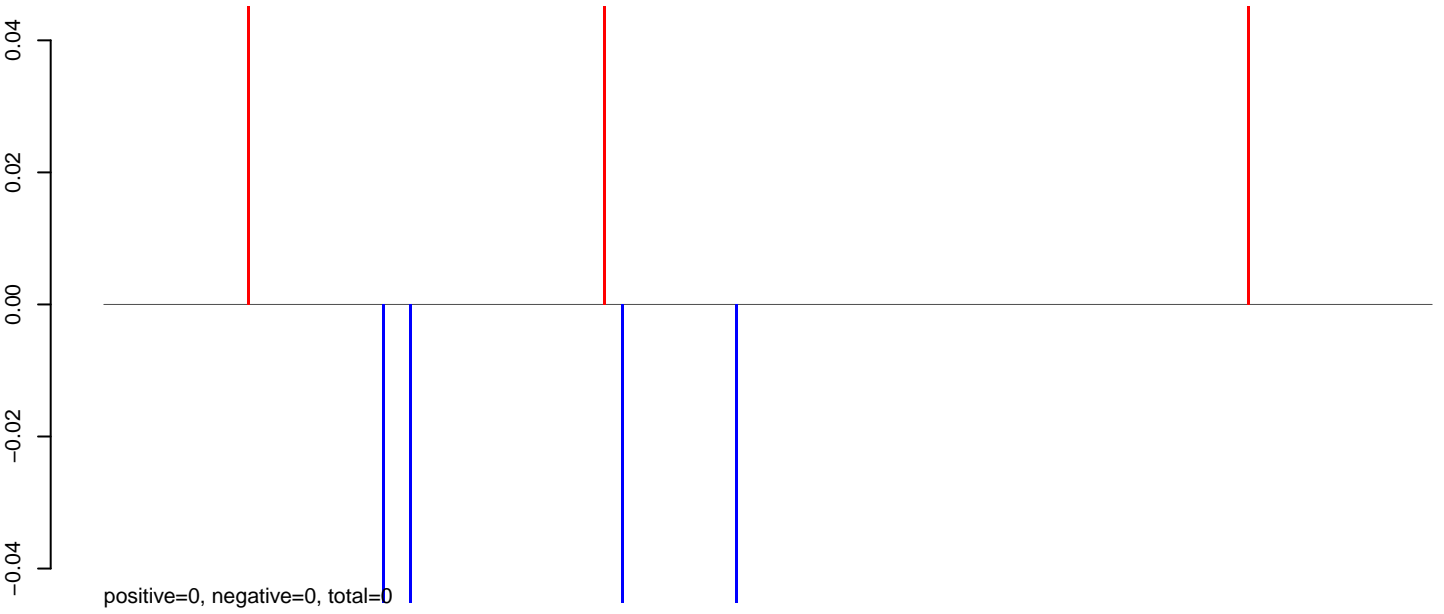
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



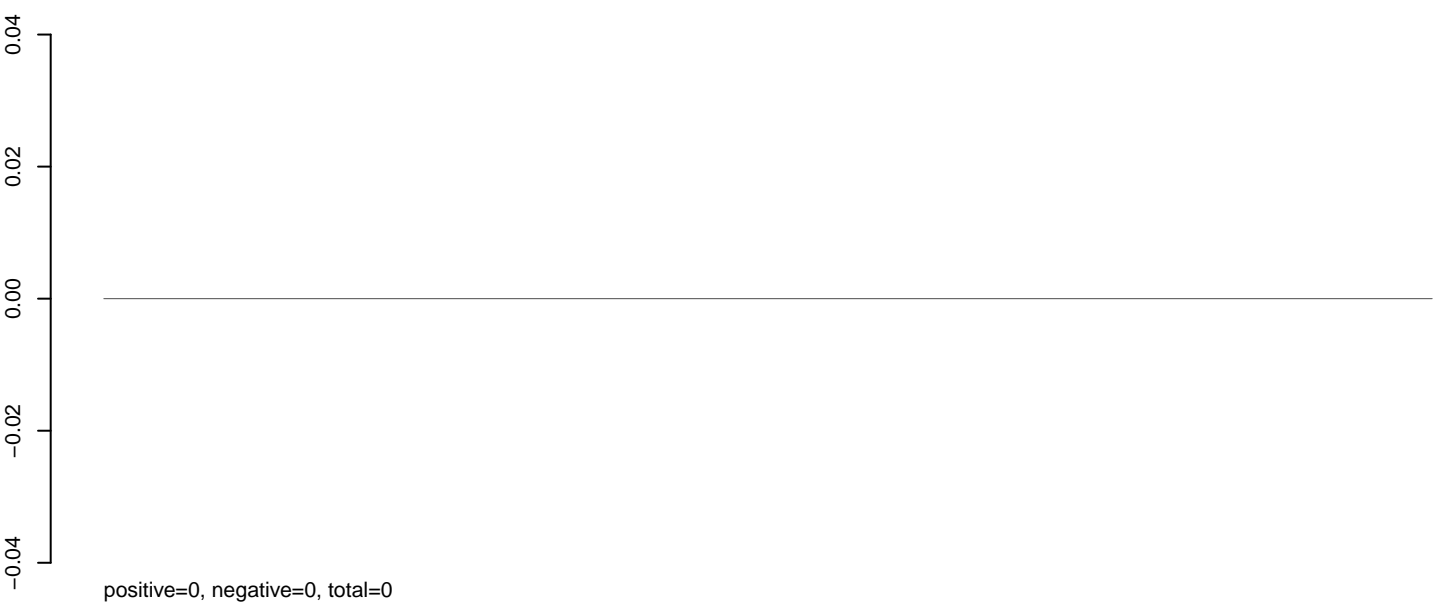
positive=0, negative=0, total=0 Window size=25, length=4073, virus@KX603698.1-Aedes\_albopictus\_densovirus\_5\_strain\_GZ051-4073



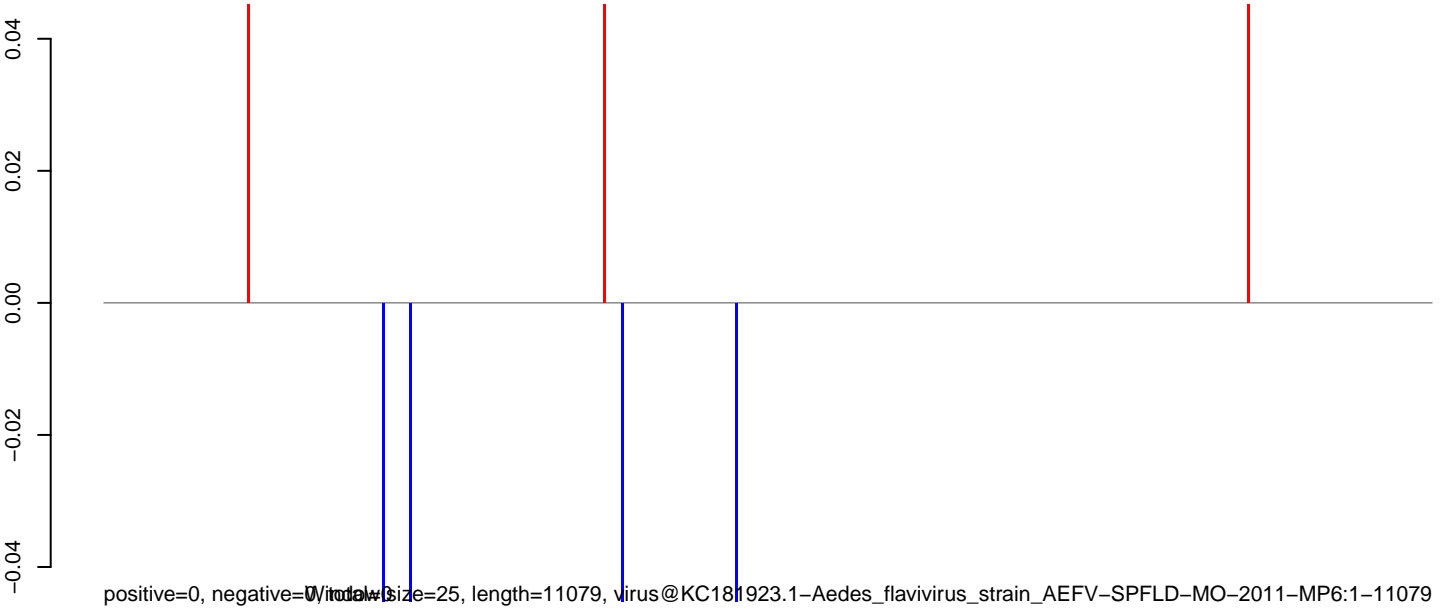
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



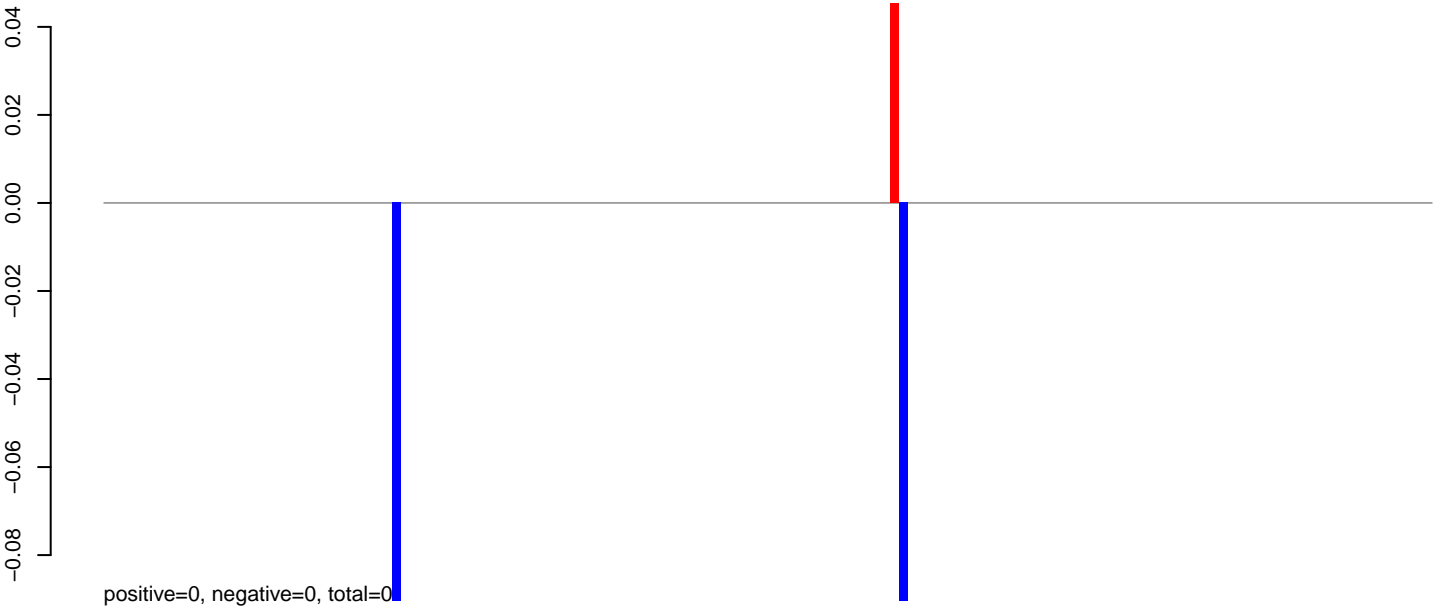
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



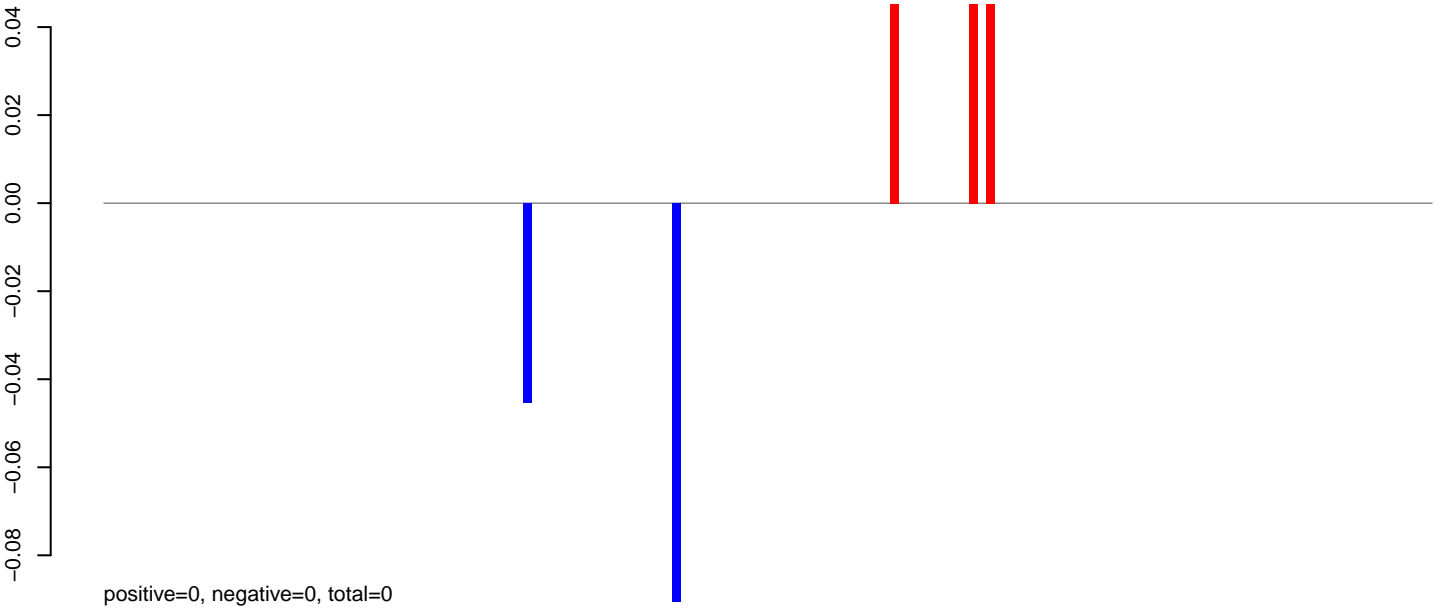
Window size=25, length=11079, virus@KC181923.1-Aedes\_flavivirus\_strain\_AEFV-SPFLD-MO-2011-MP6:1-11079

0 2000 4000 6000 8000 10000

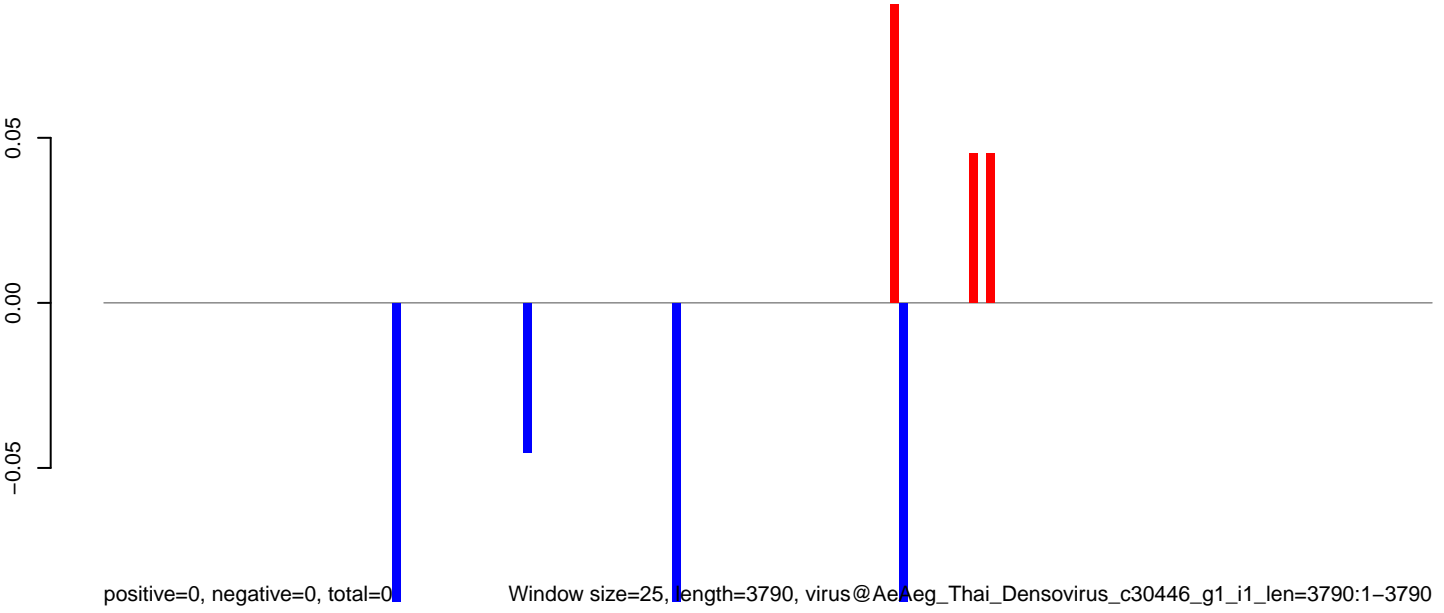
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep

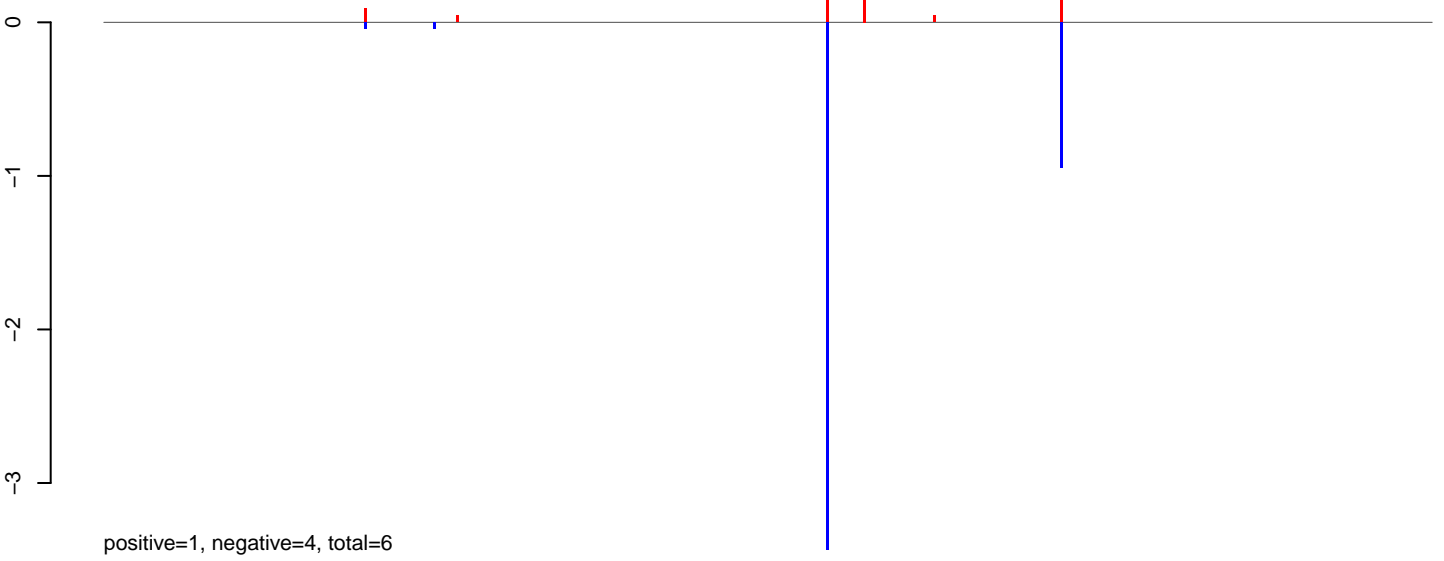


Window size=25, length=3790, virus@AeNeg\_Thai\_Densovirus\_c30446\_g1\_i1\_len=3790:1-3790

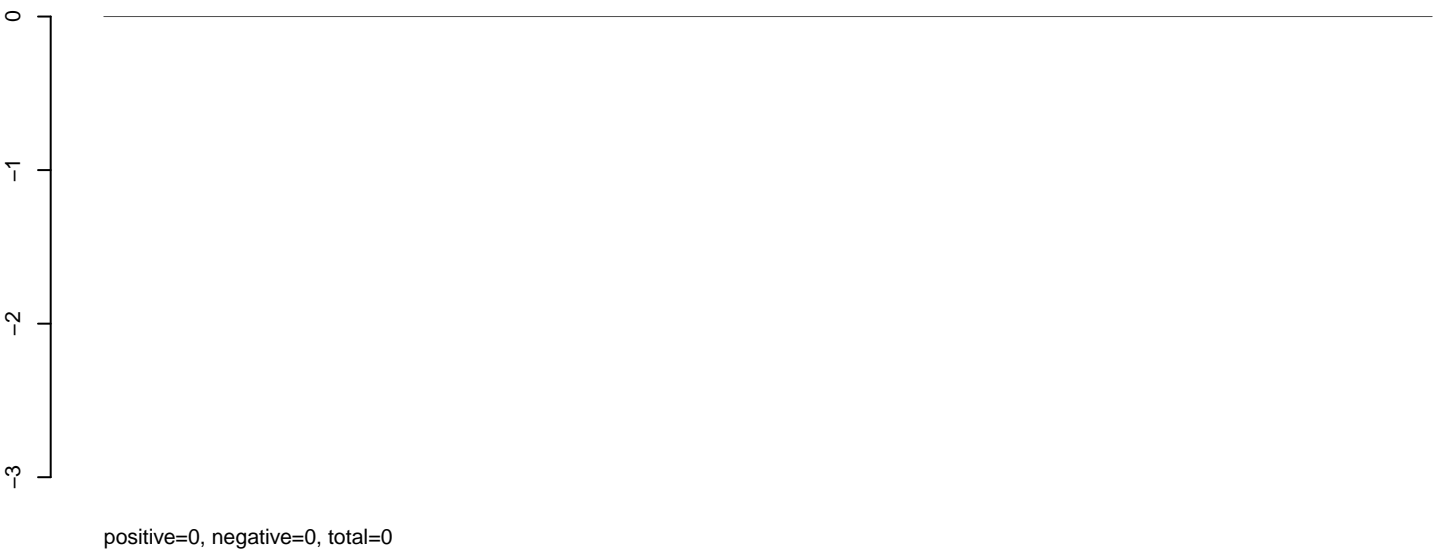
0 1000 2000 3000



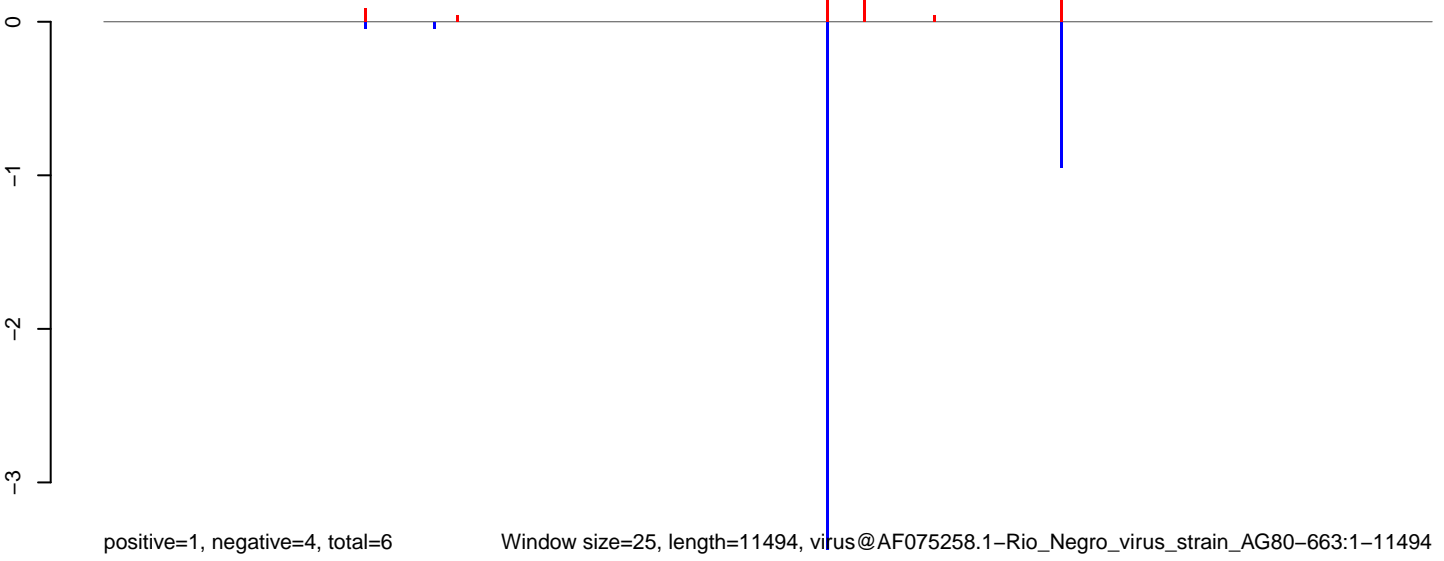
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



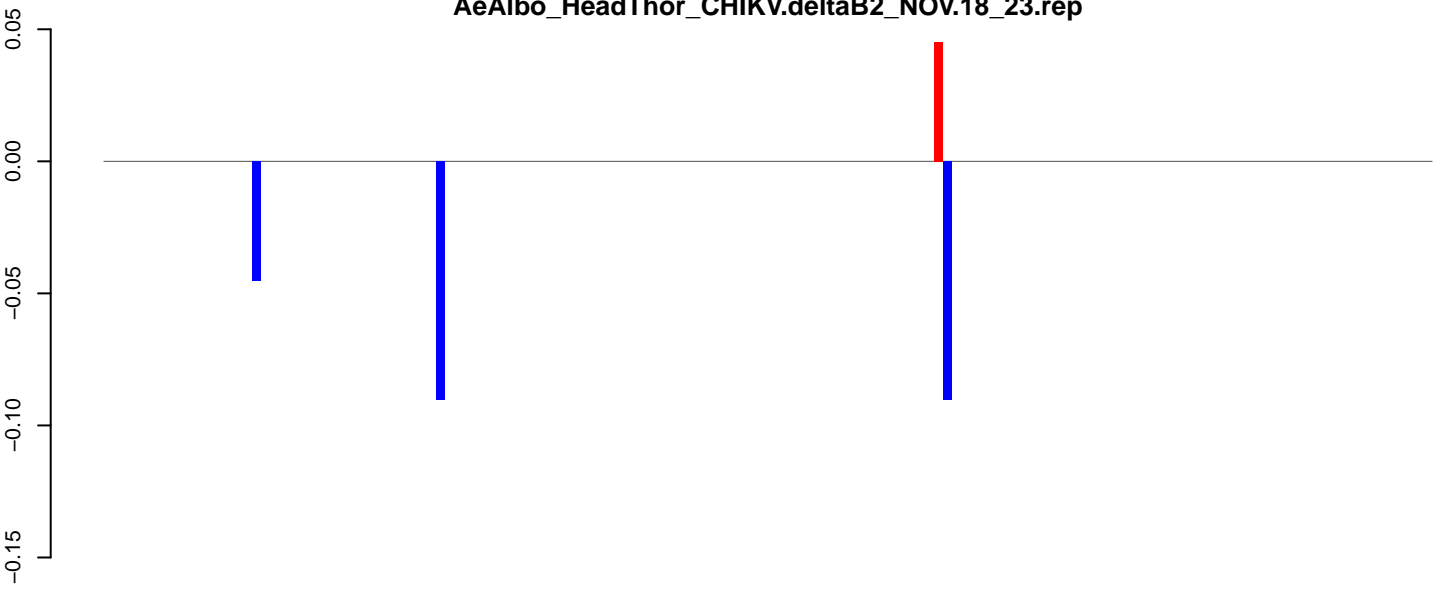
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



Window size=25, length=11494, virus@AF075258.1-Rio\_Negro\_virus\_strain\_AG80-663:1-11494

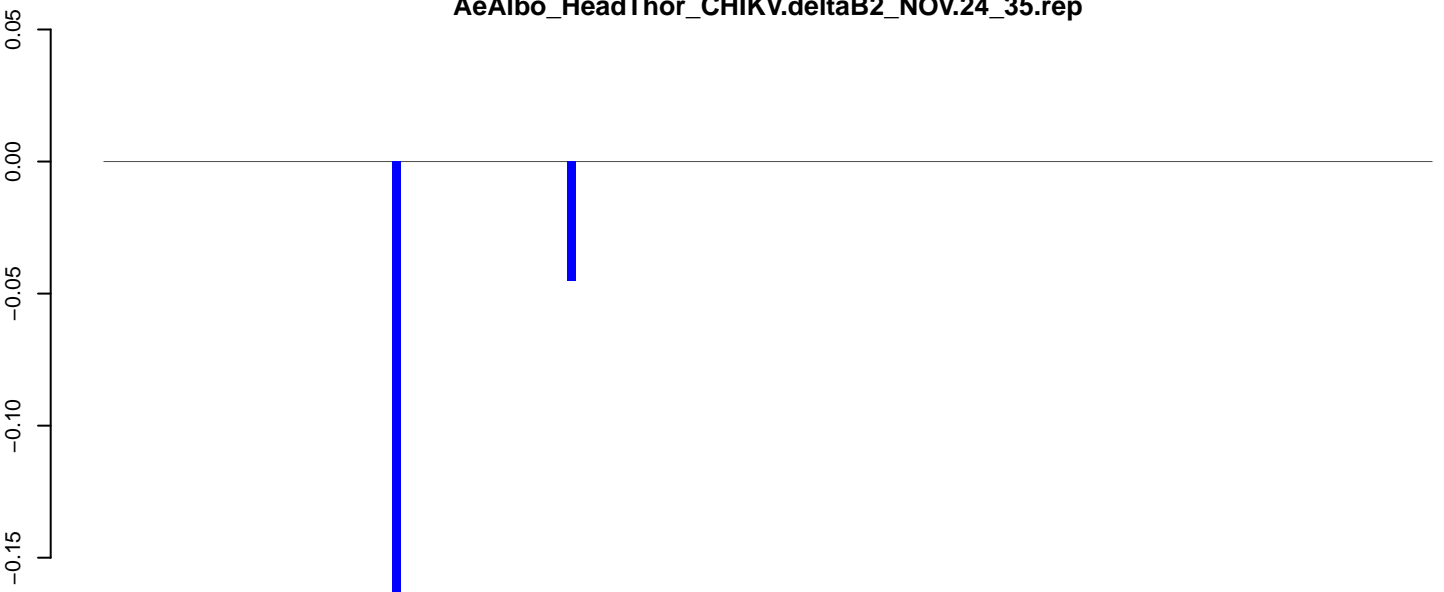
0 2000 4000 6000 8000 10000

AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



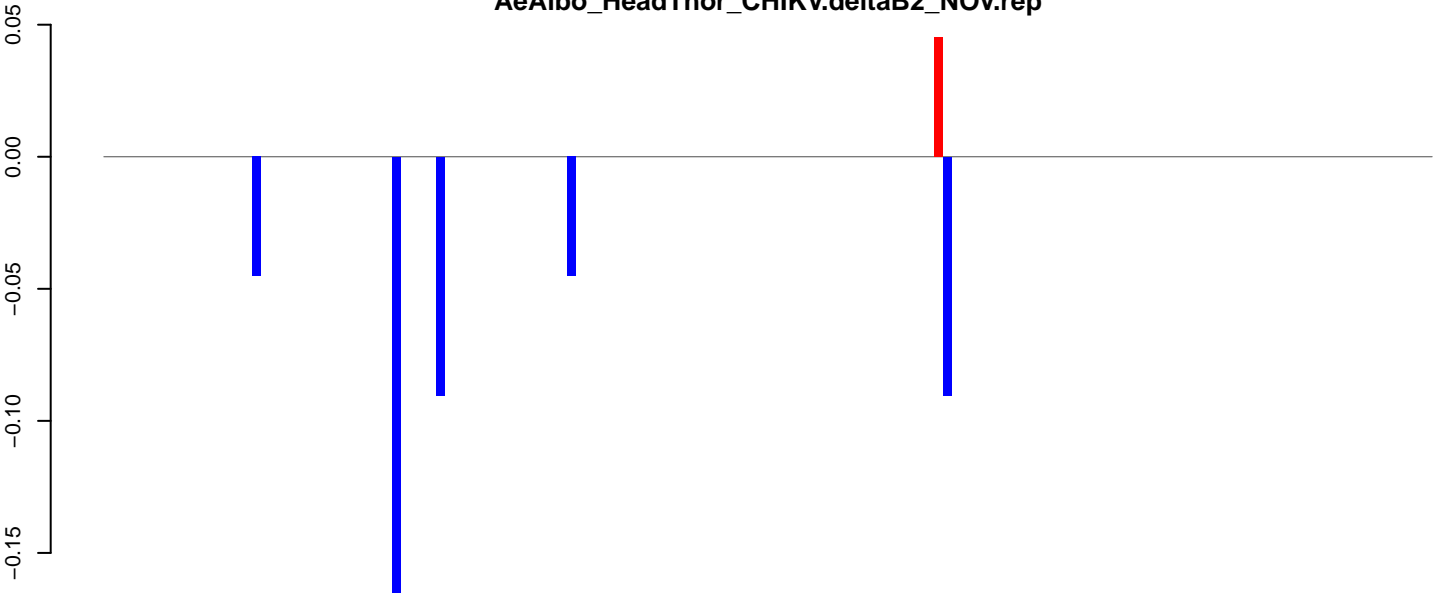
positive=0, negative=0, total=0

AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep

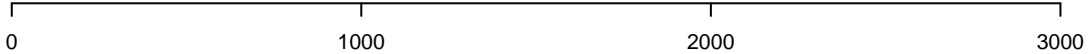


positive=0, negative=0, total=0

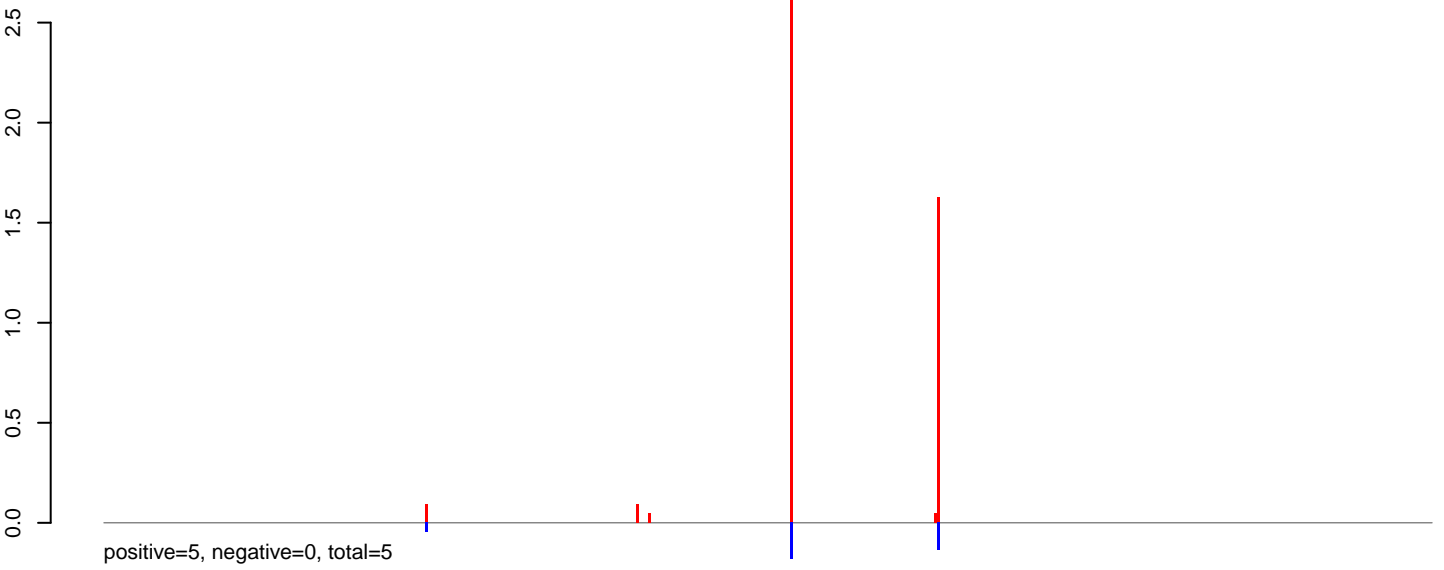
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



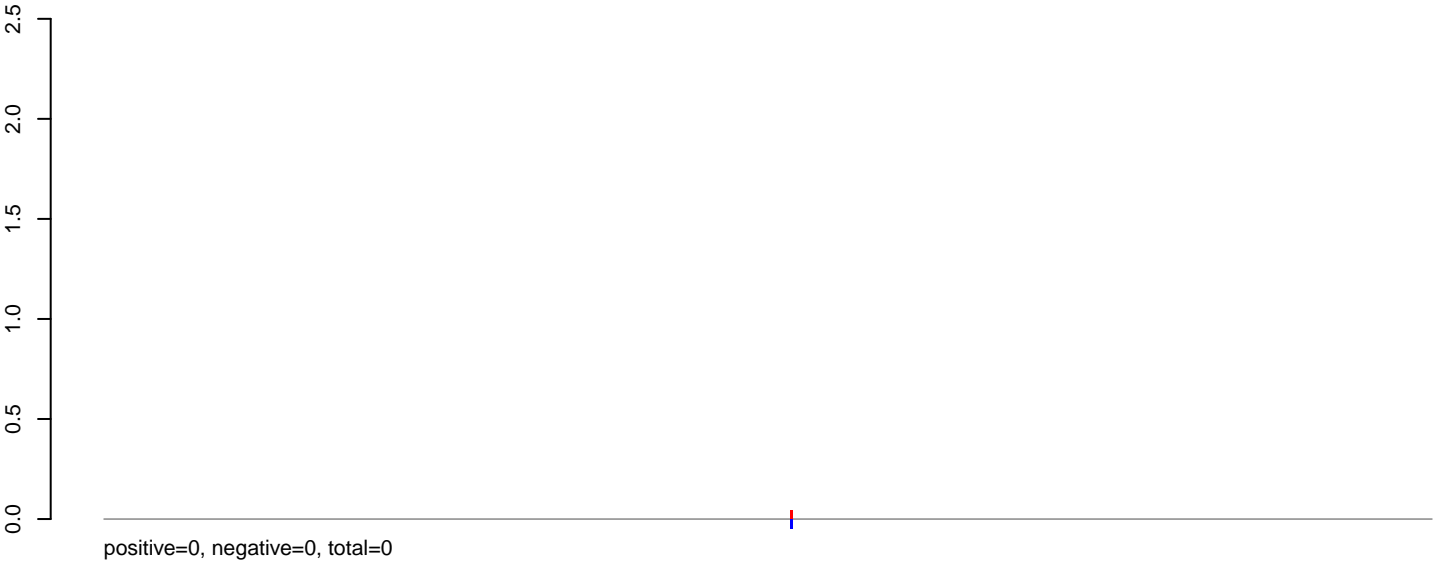
positive=0, negative=0, total=0 Window size=25, length=3776, virus@NC\_012636.1-Aedes\_aegypti\_densovirus\_2\_strain\_0814616:1-3776



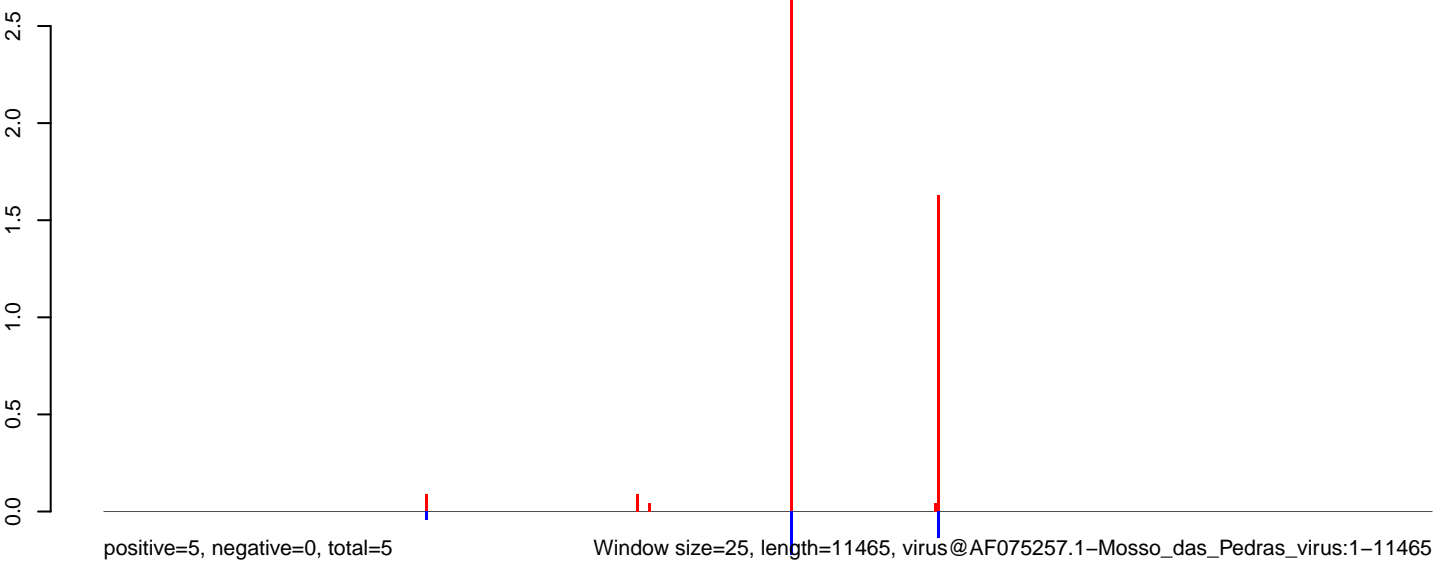
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**

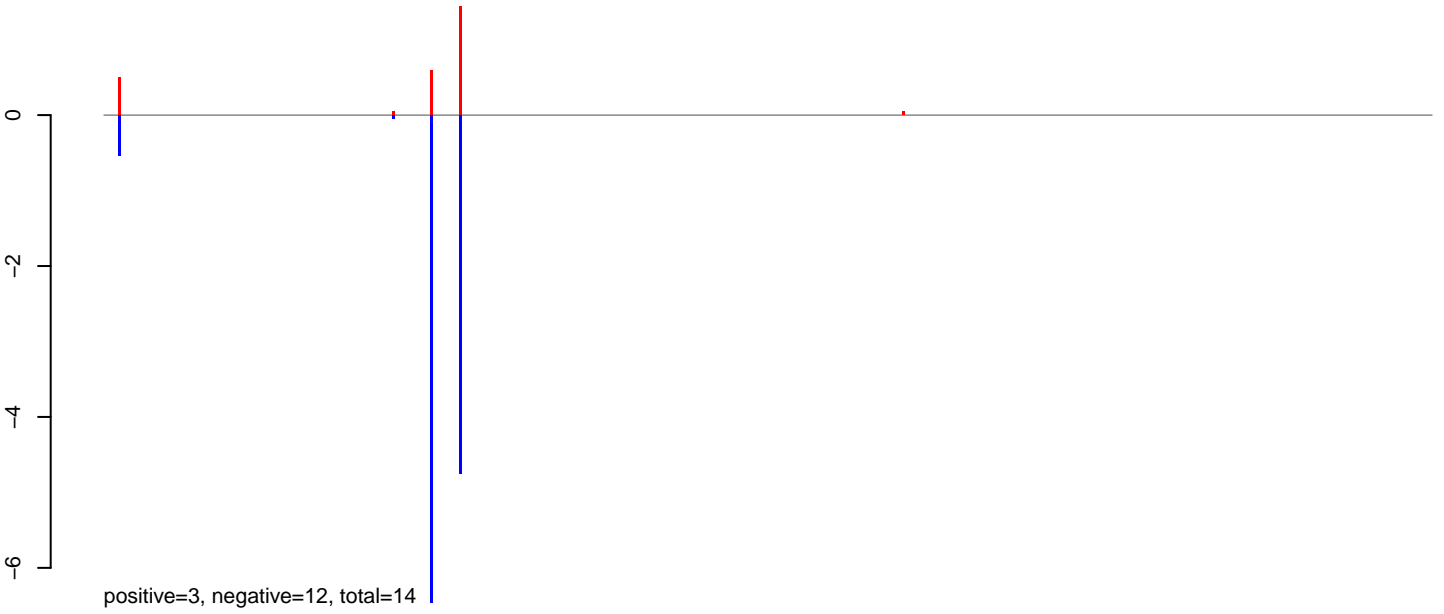


**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



0 2000 4000 6000 8000 10000

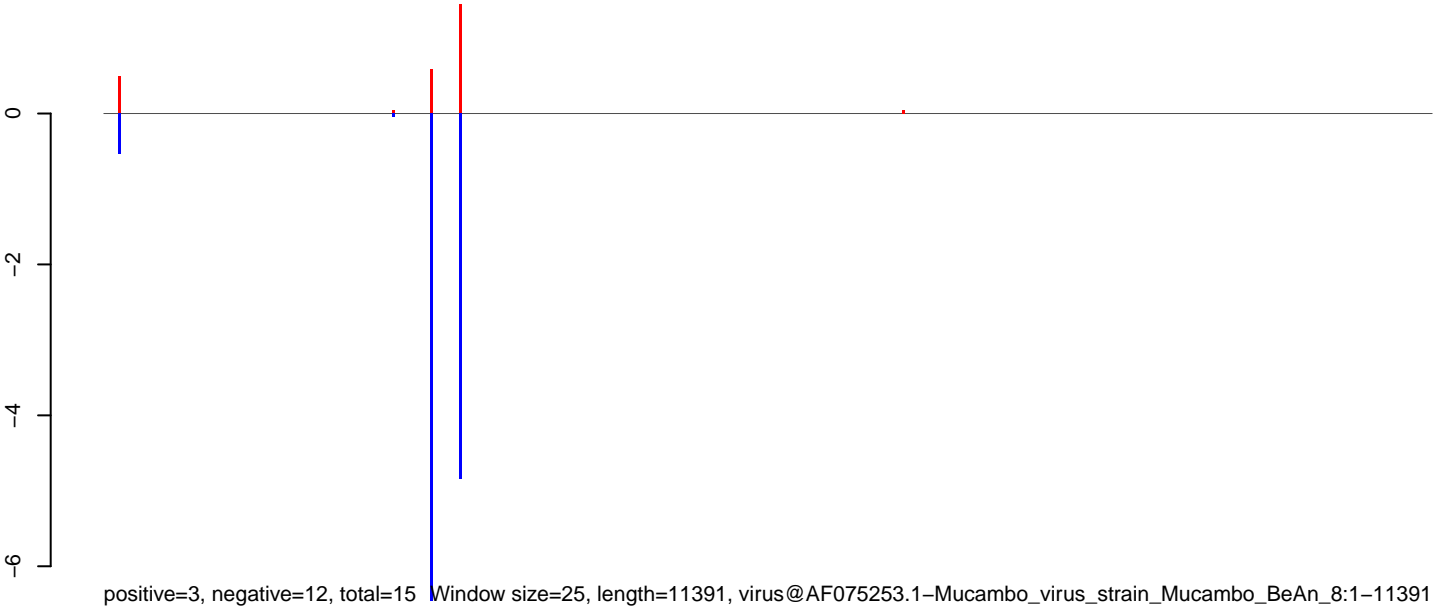
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



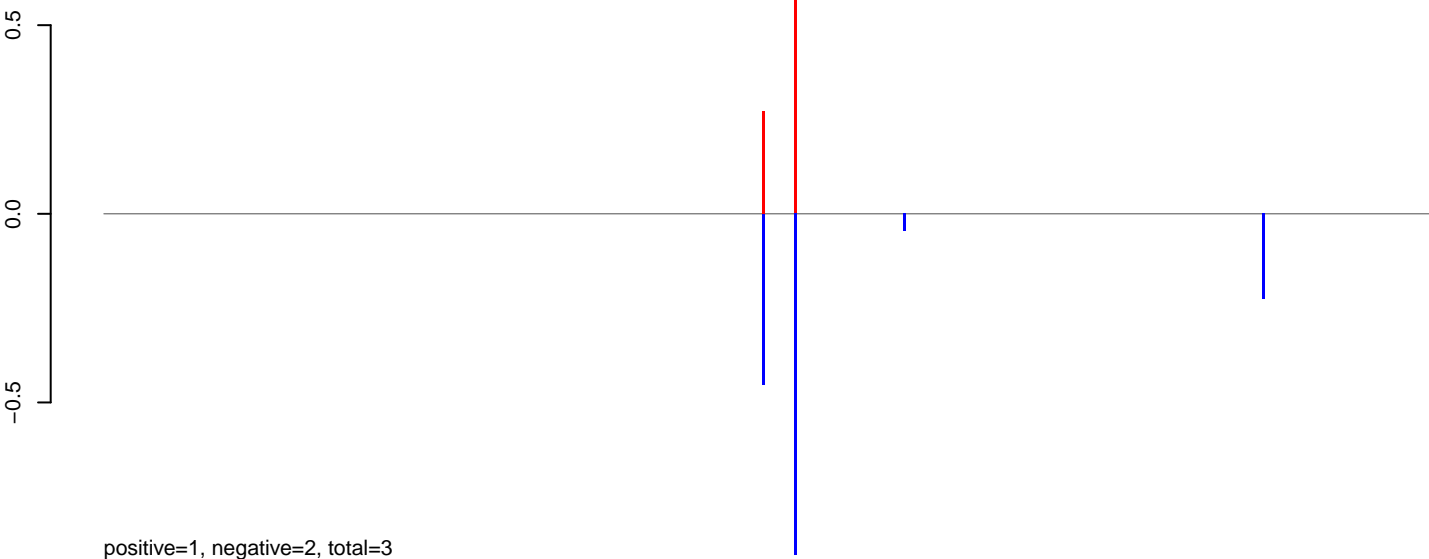
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



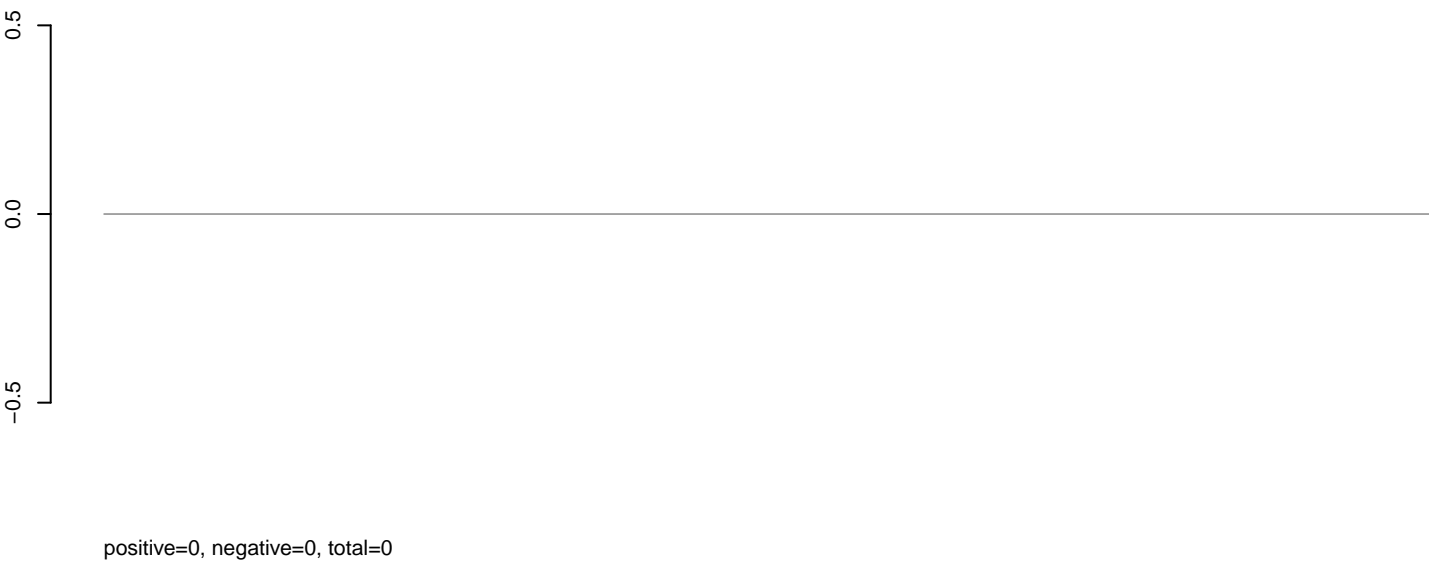
Window size=25, length=11391, virus@AF075253.1-Mucambo\_virus\_strain\_Mucambo\_BeAn\_8:1-11391

0 2000 4000 6000 8000 10000

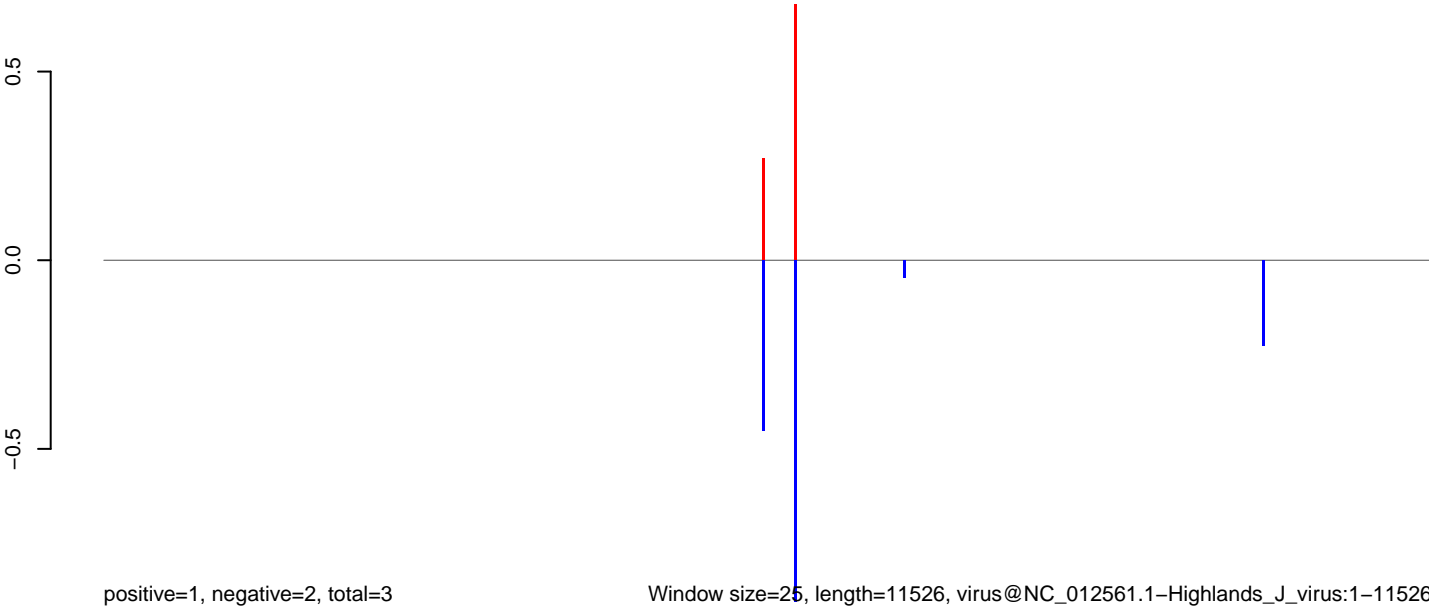
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



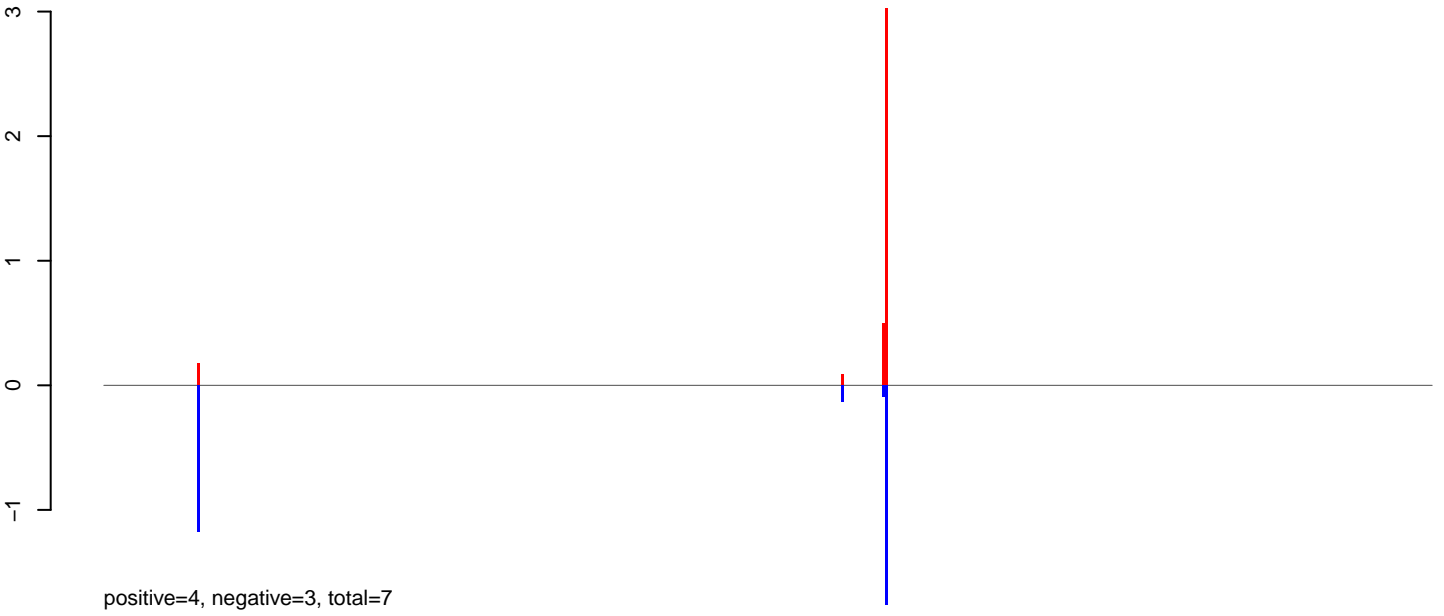
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



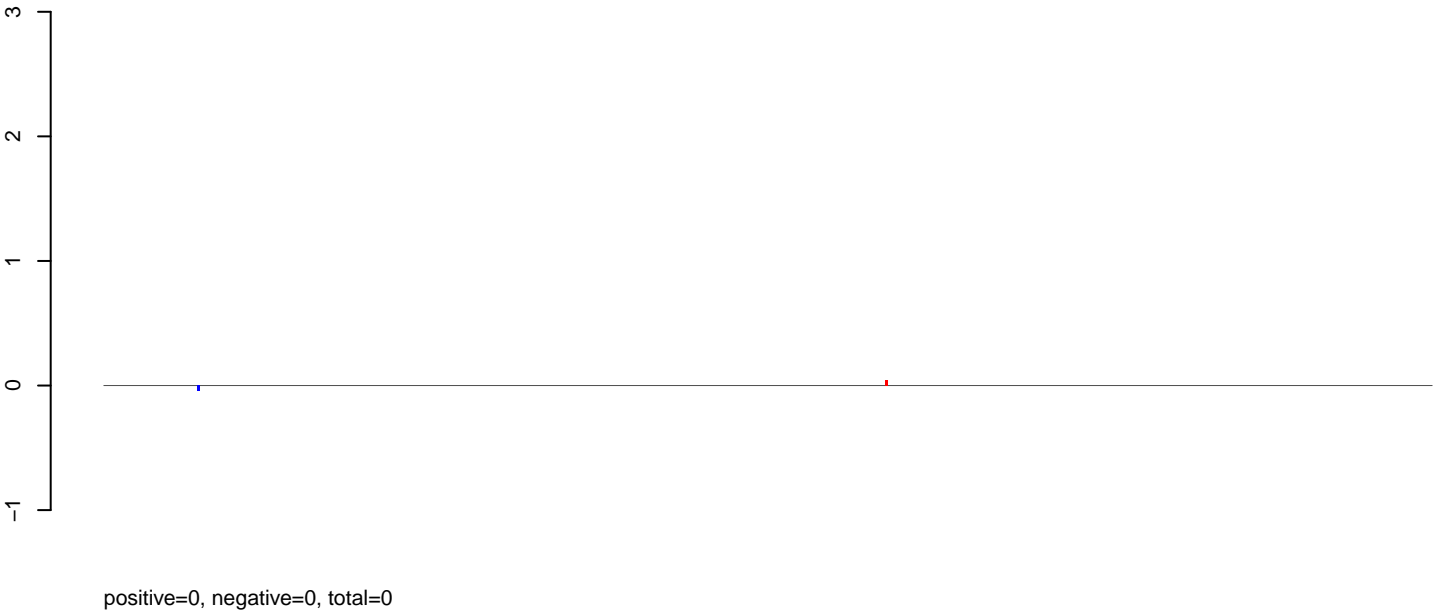
Window size=25, length=11526, virus@NC\_012561.1-Highlands\_J\_virus:1-11526

0 2000 4000 6000 8000 10000 12000

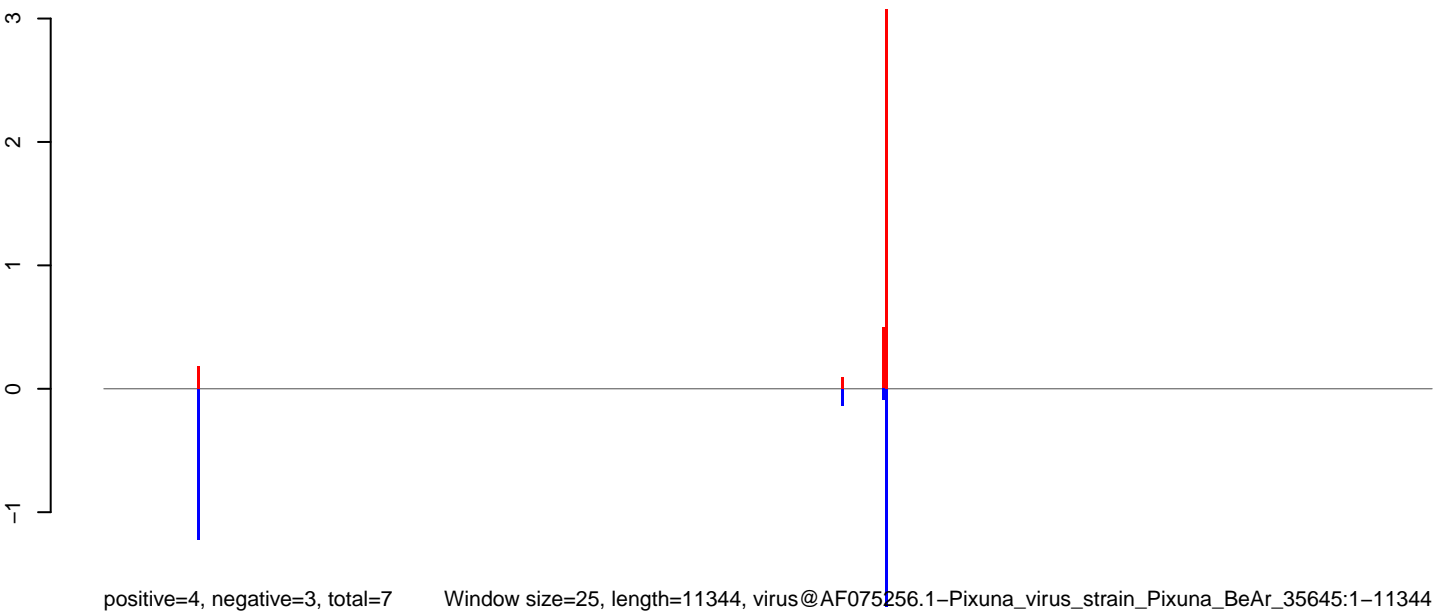
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep

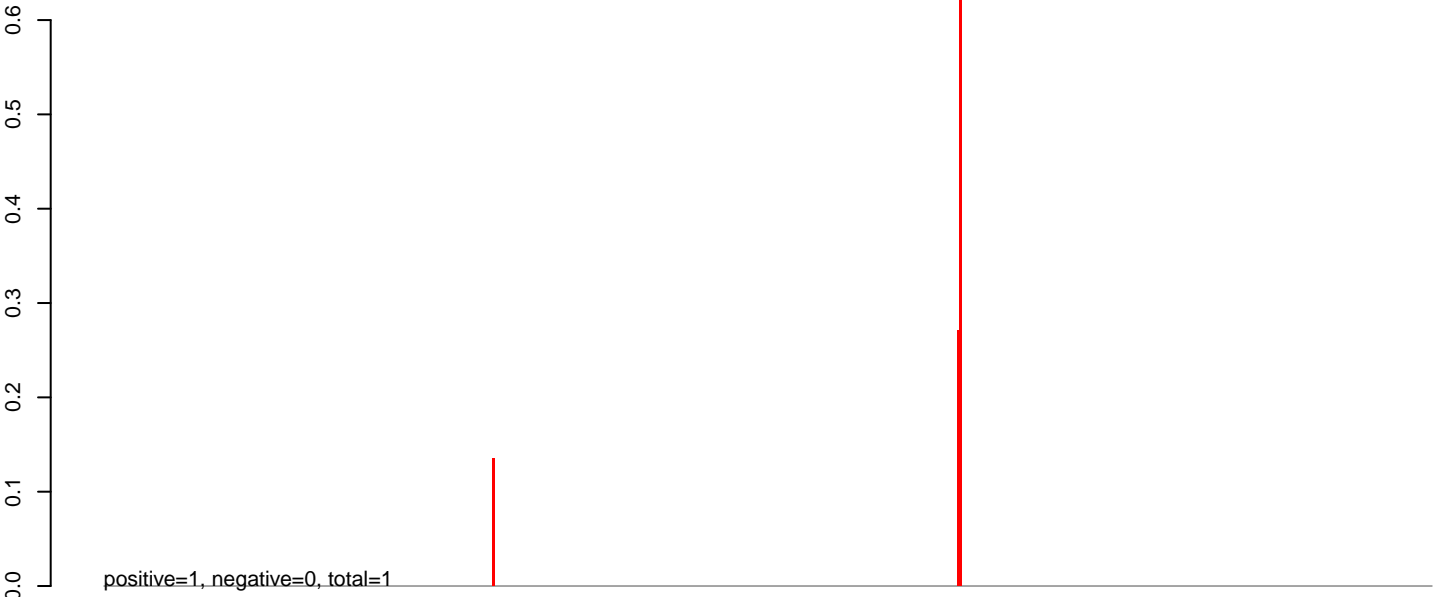


AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep

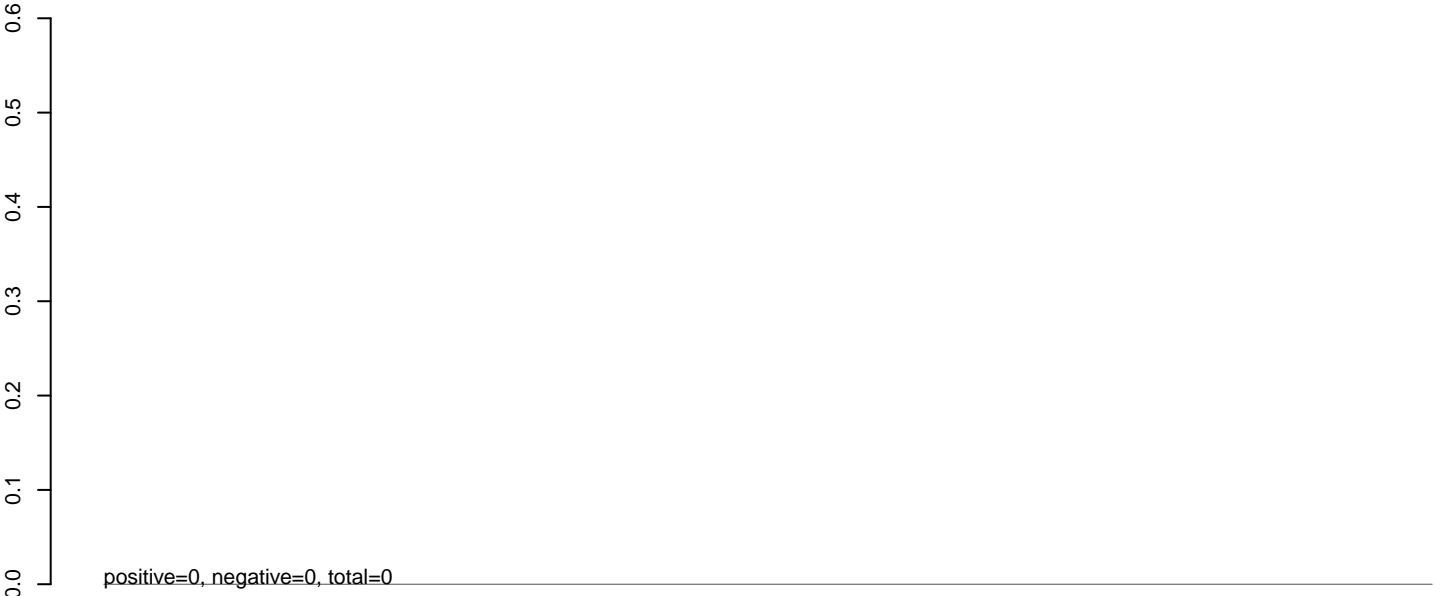


Window size=25, length=11344, virus@AF075256.1-Pixuna\_virus\_strain\_Pixuna\_BeAr\_35645:1-11344

**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



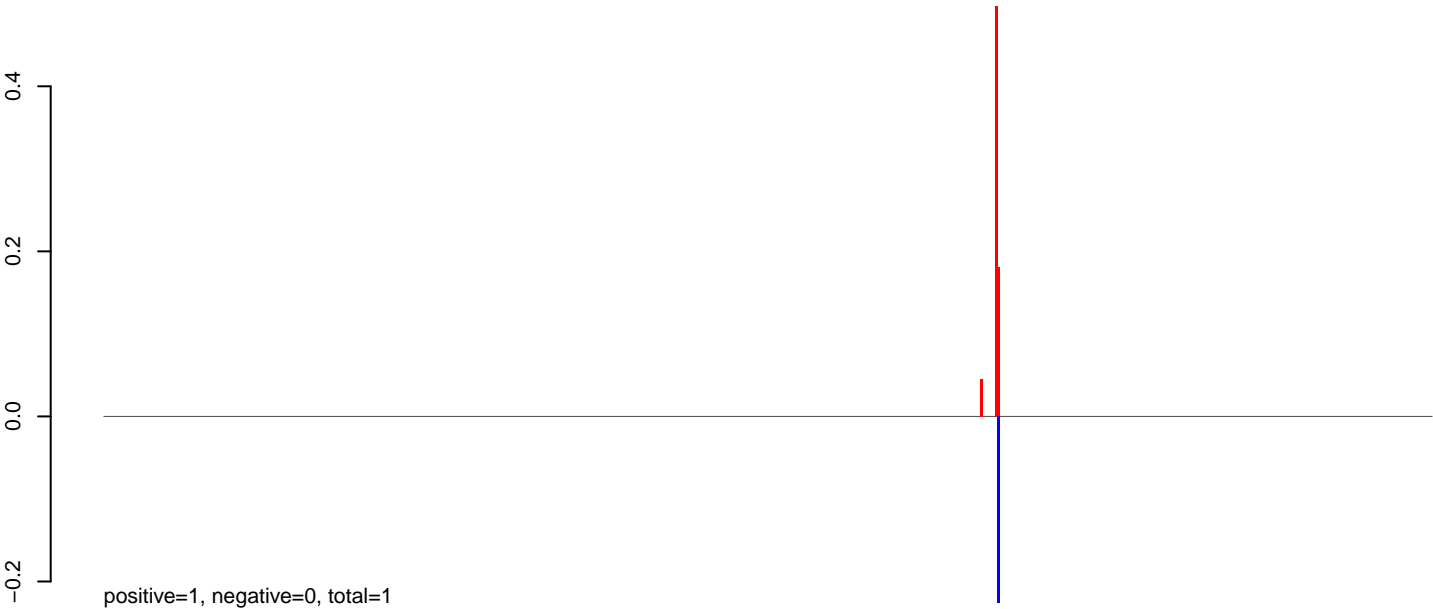
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



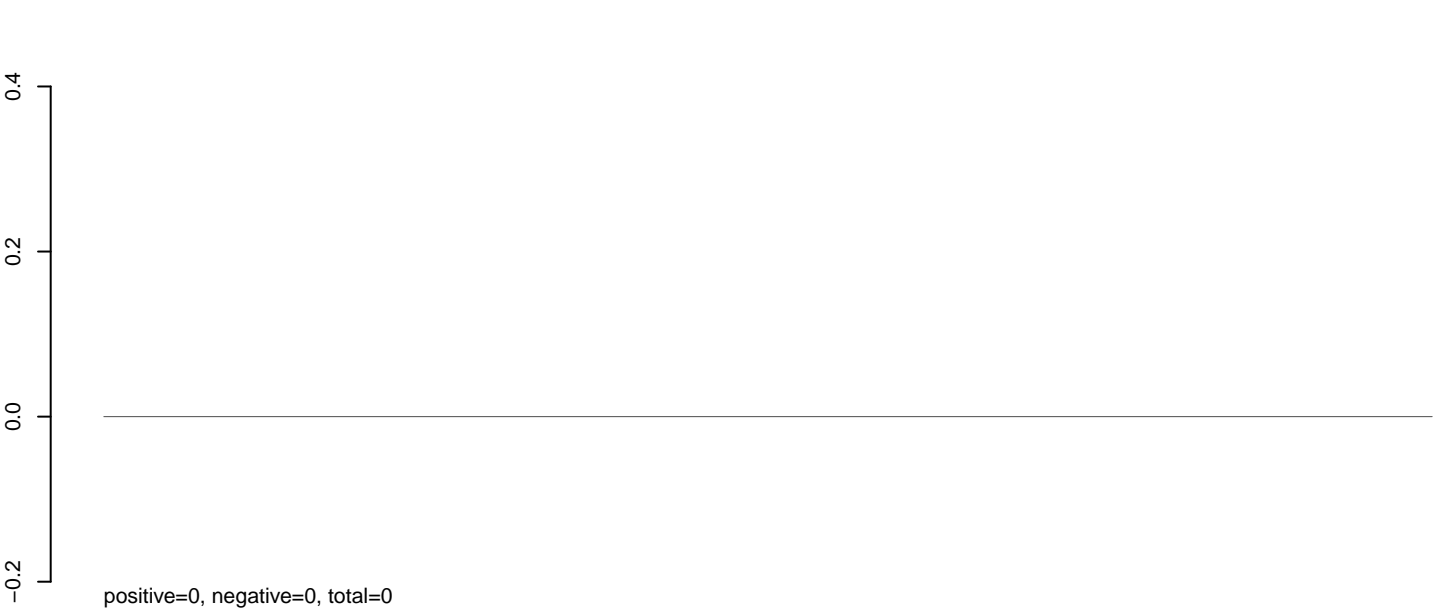
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



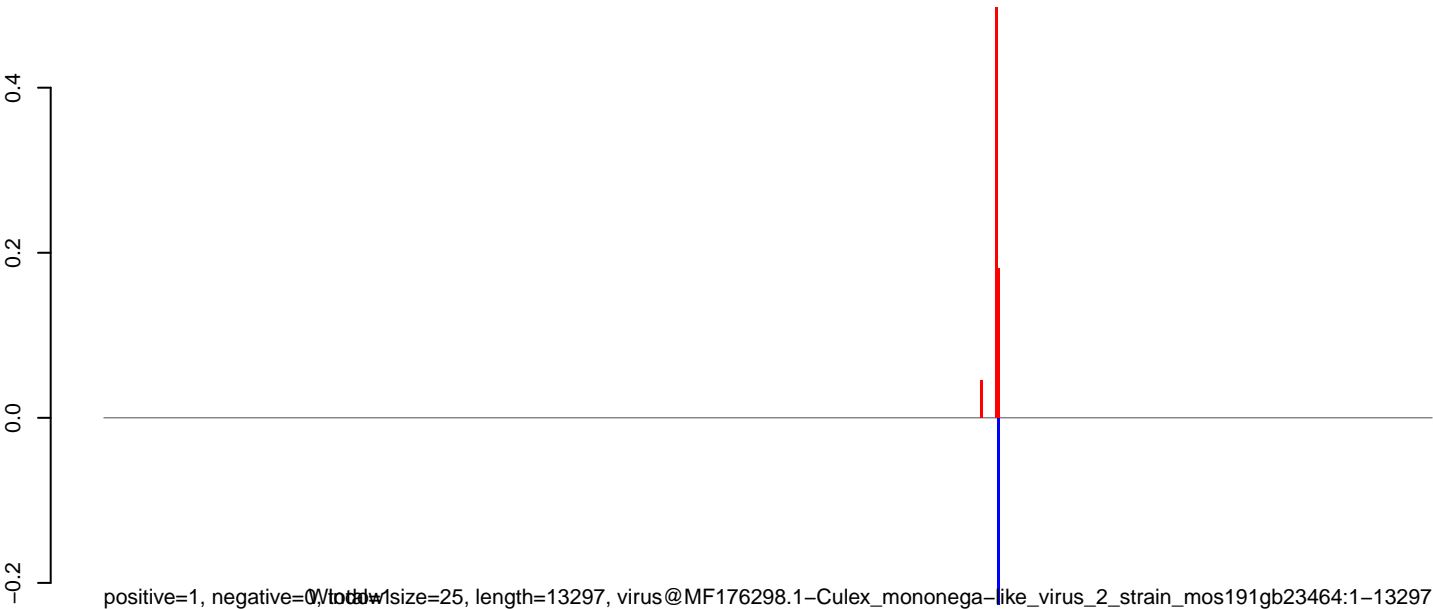
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



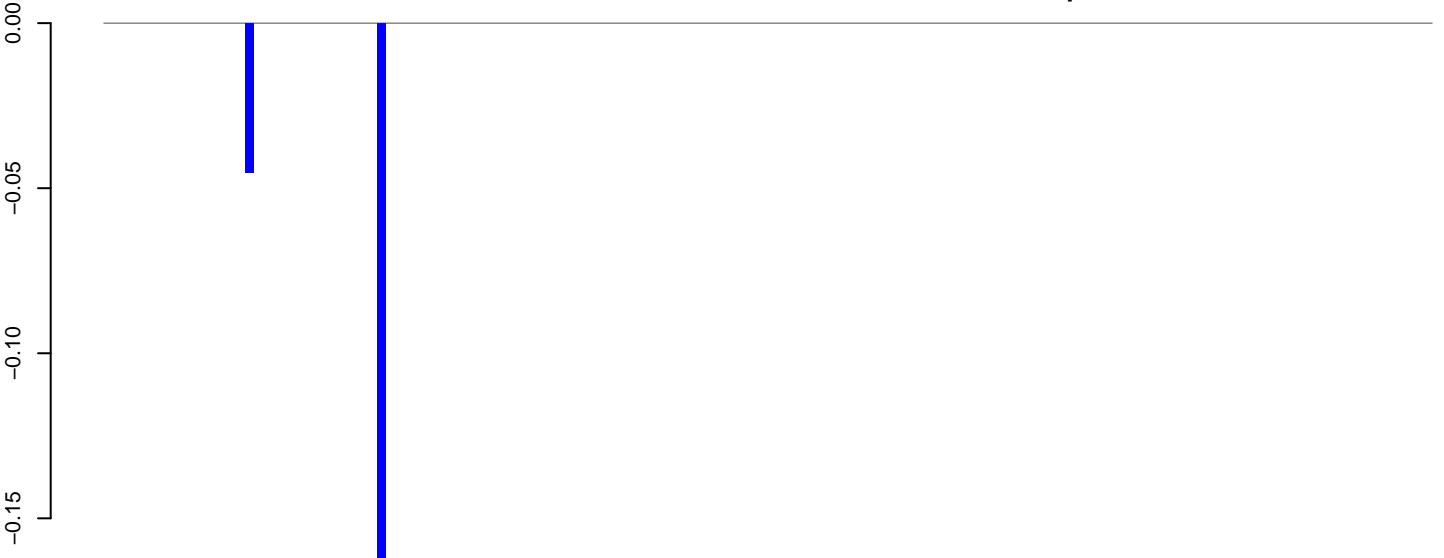


AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



positive=0, negative=0, total=0

AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep

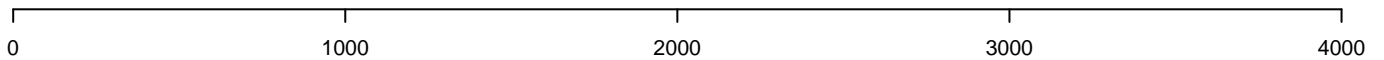


positive=0, negative=0, total=0

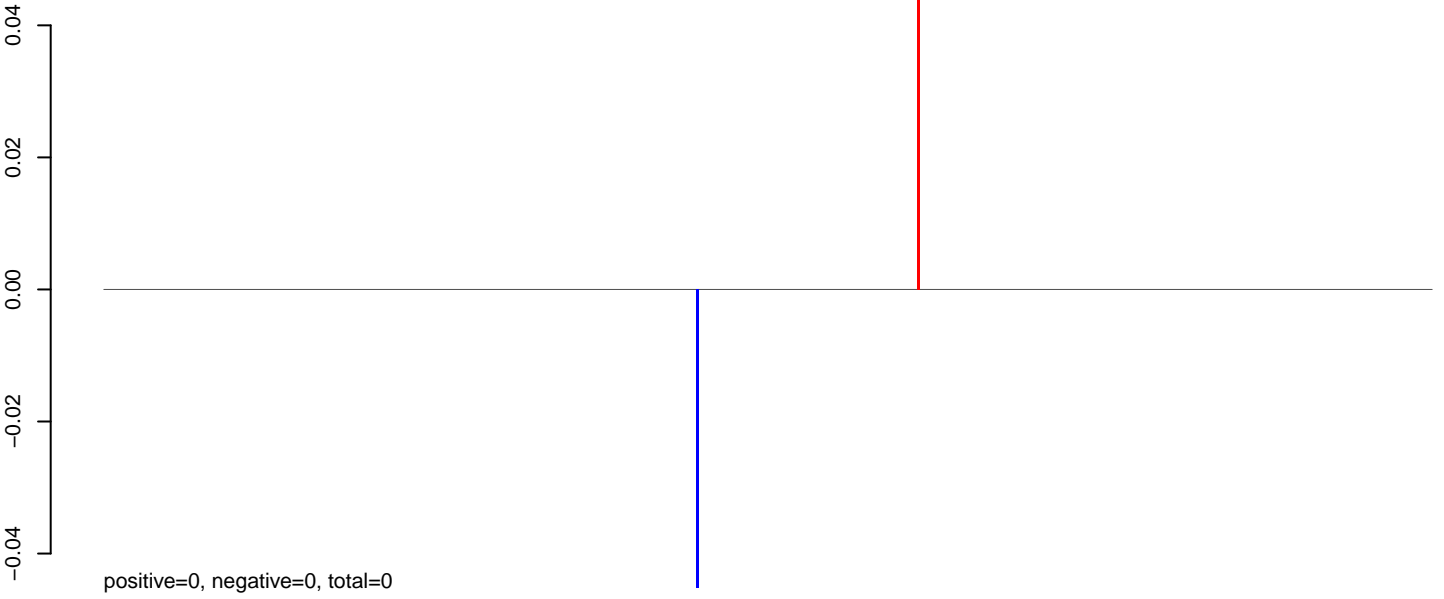
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



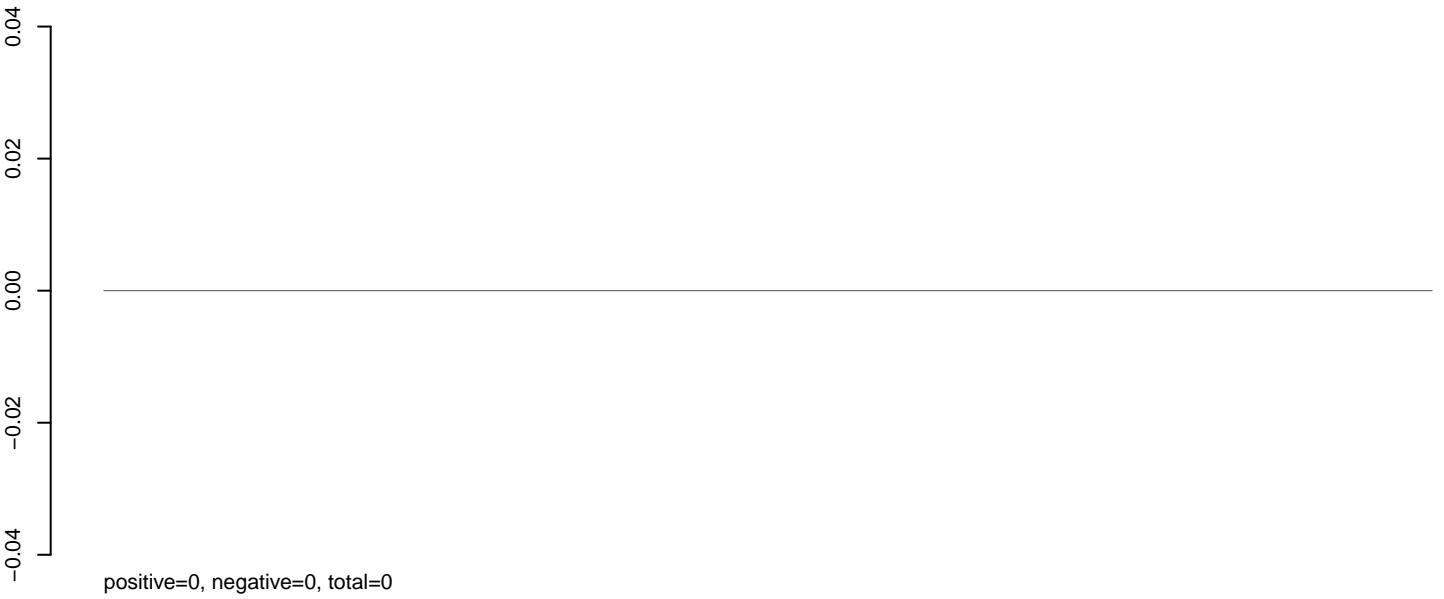
positive=0, negative=0, total=0 Window size=25, length=3978, virus@M37899.1-Aedes\_aegypti\_densovirus\_1\_genomic\_sequence:1-3978



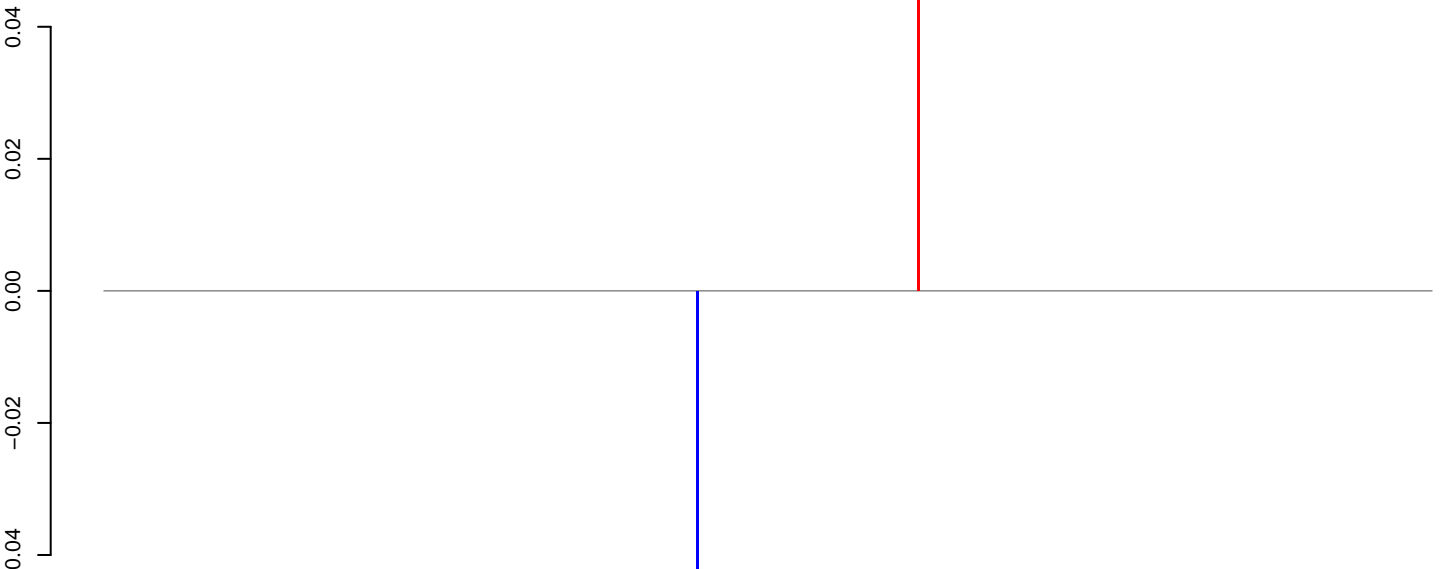
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



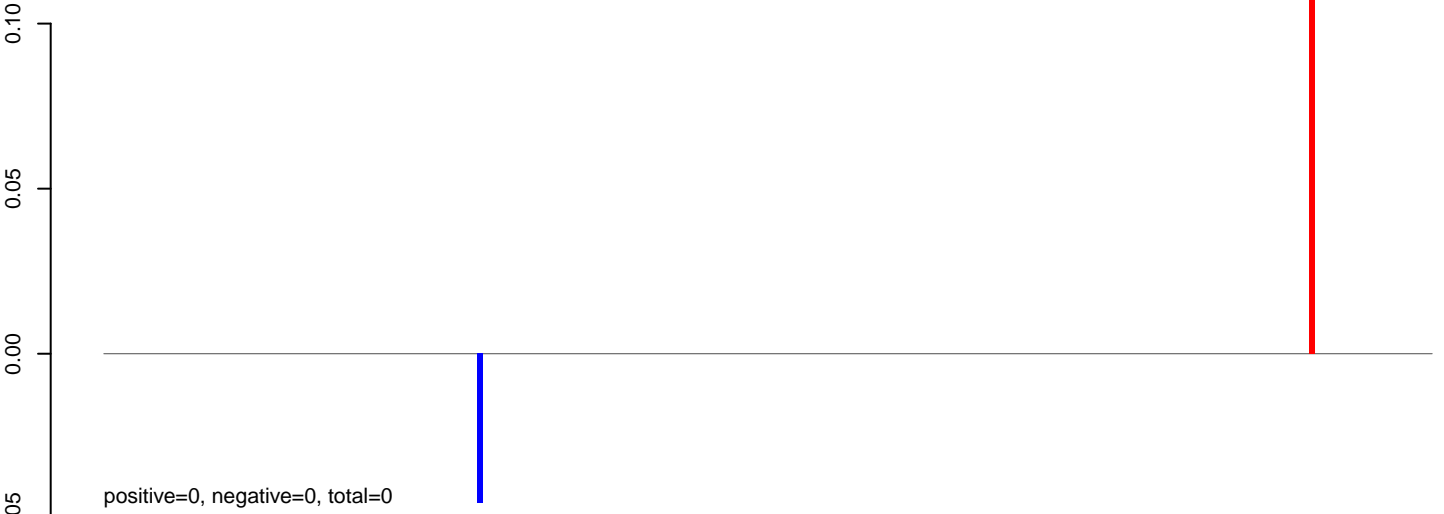
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



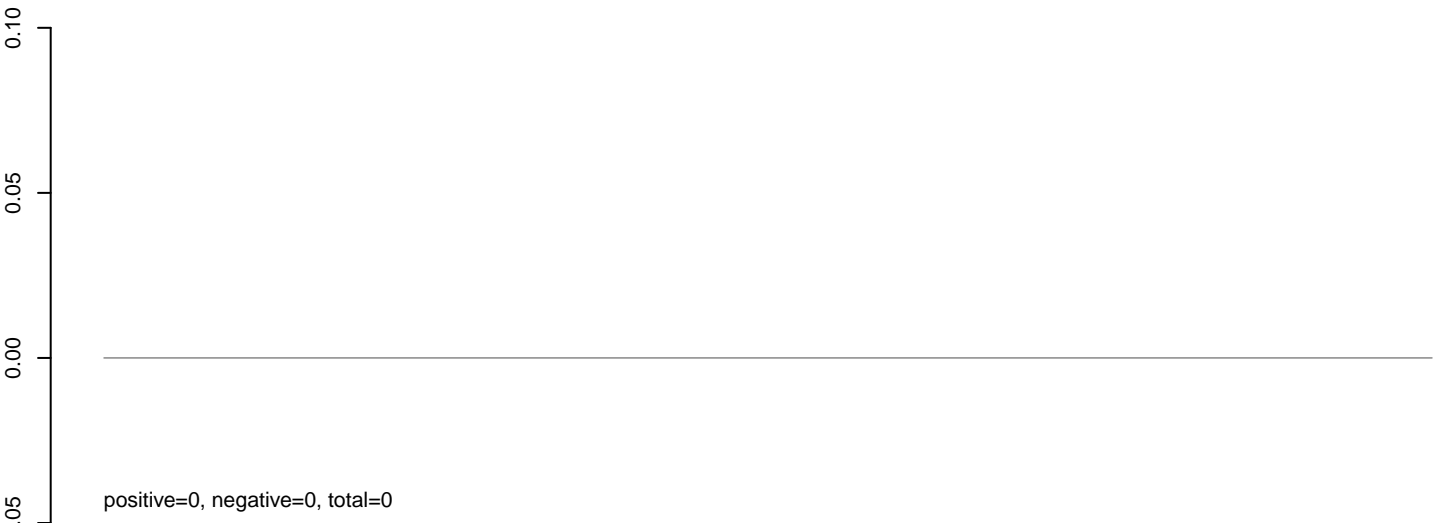
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



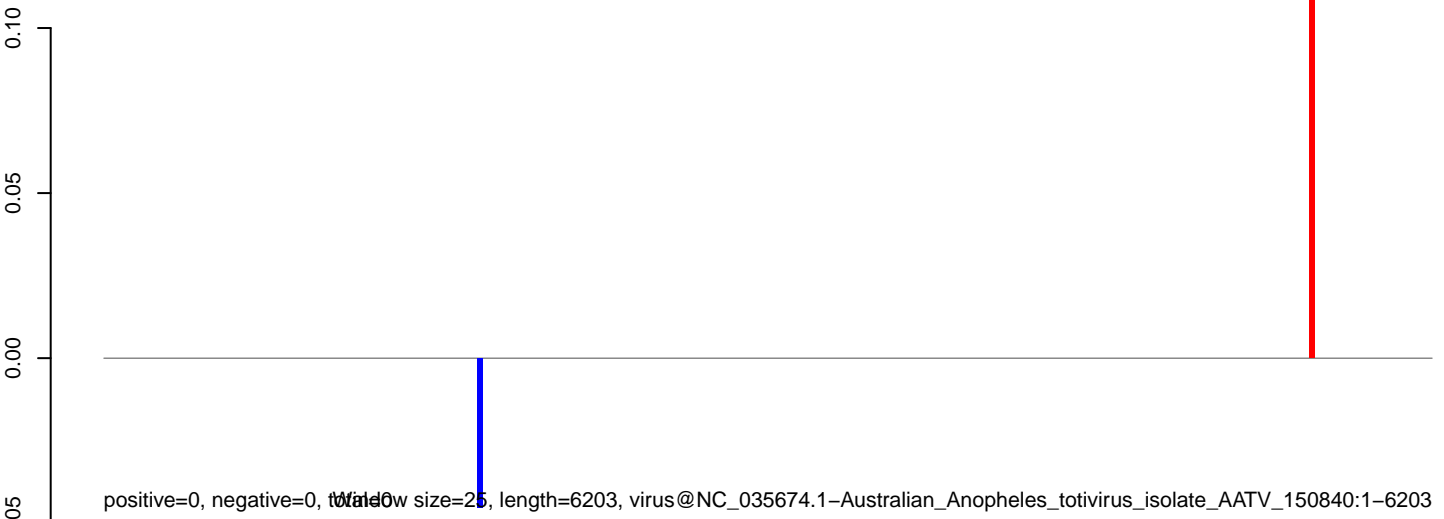
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep

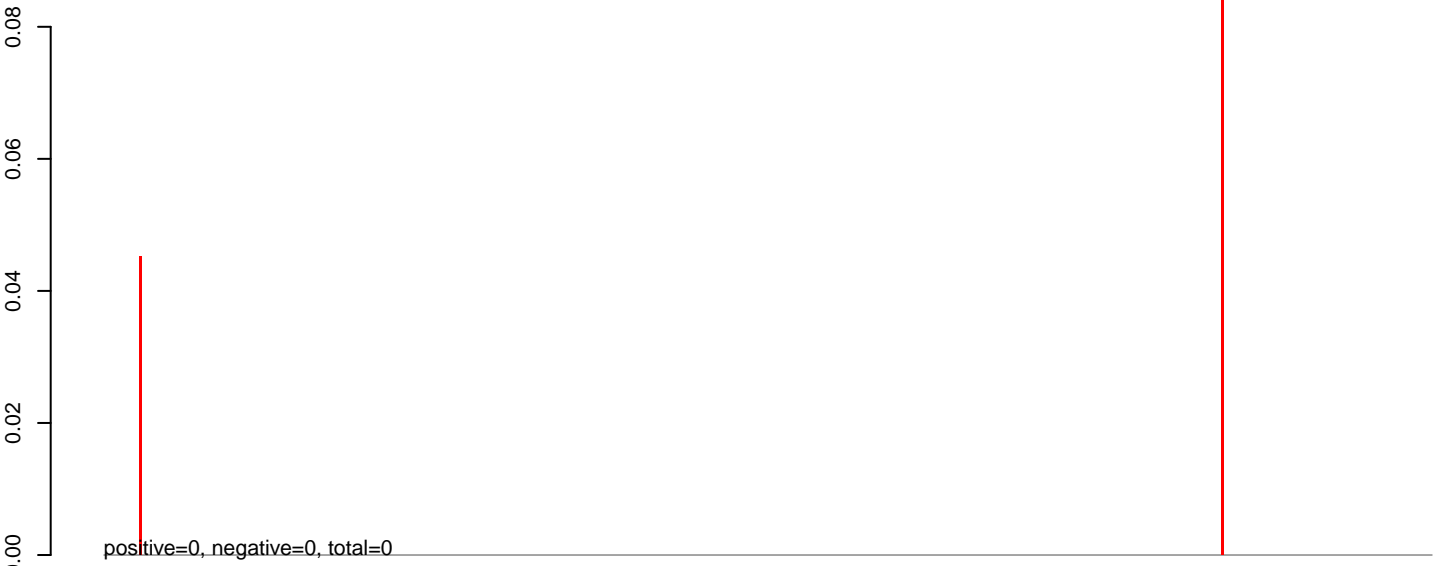


AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep

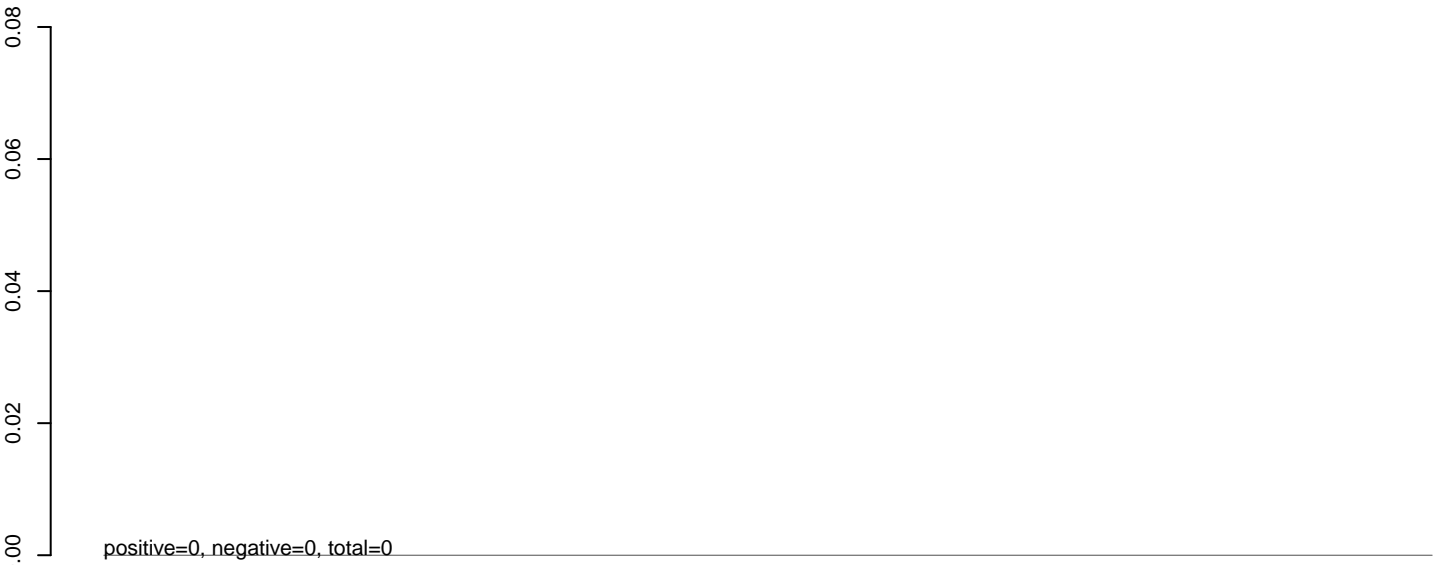


0 1000 2000 3000 4000 5000 6000

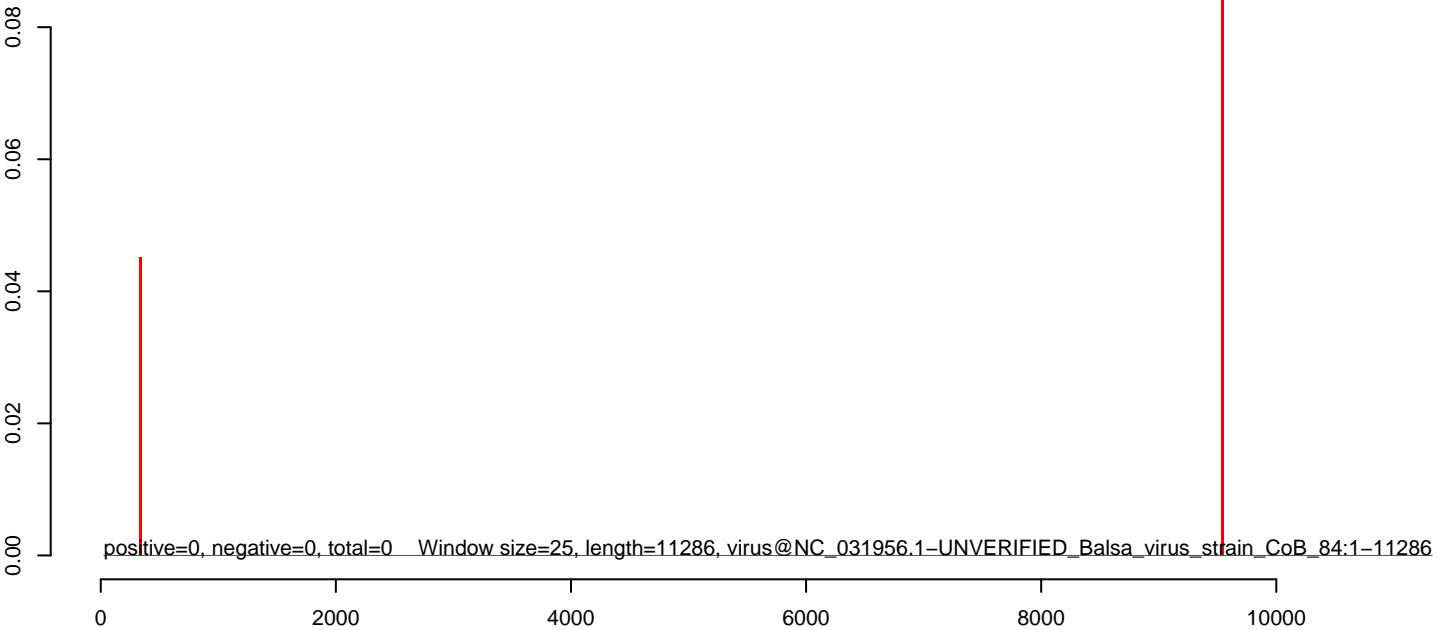
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



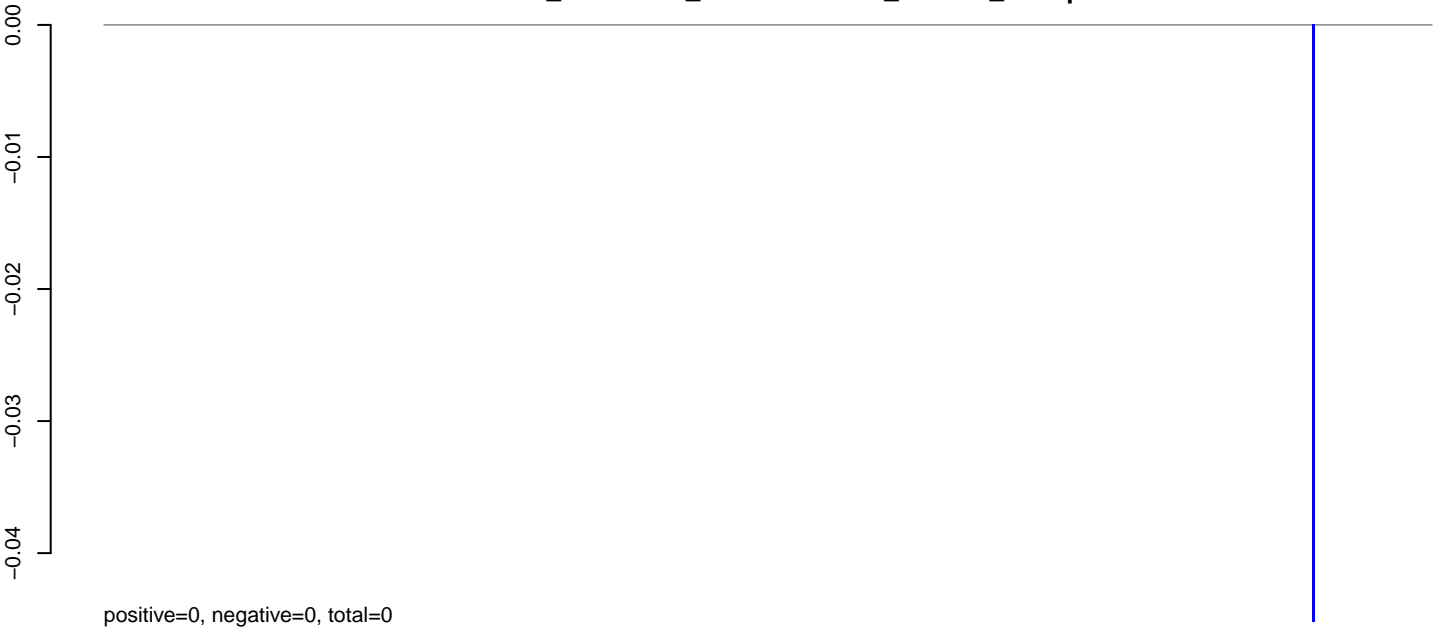
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep

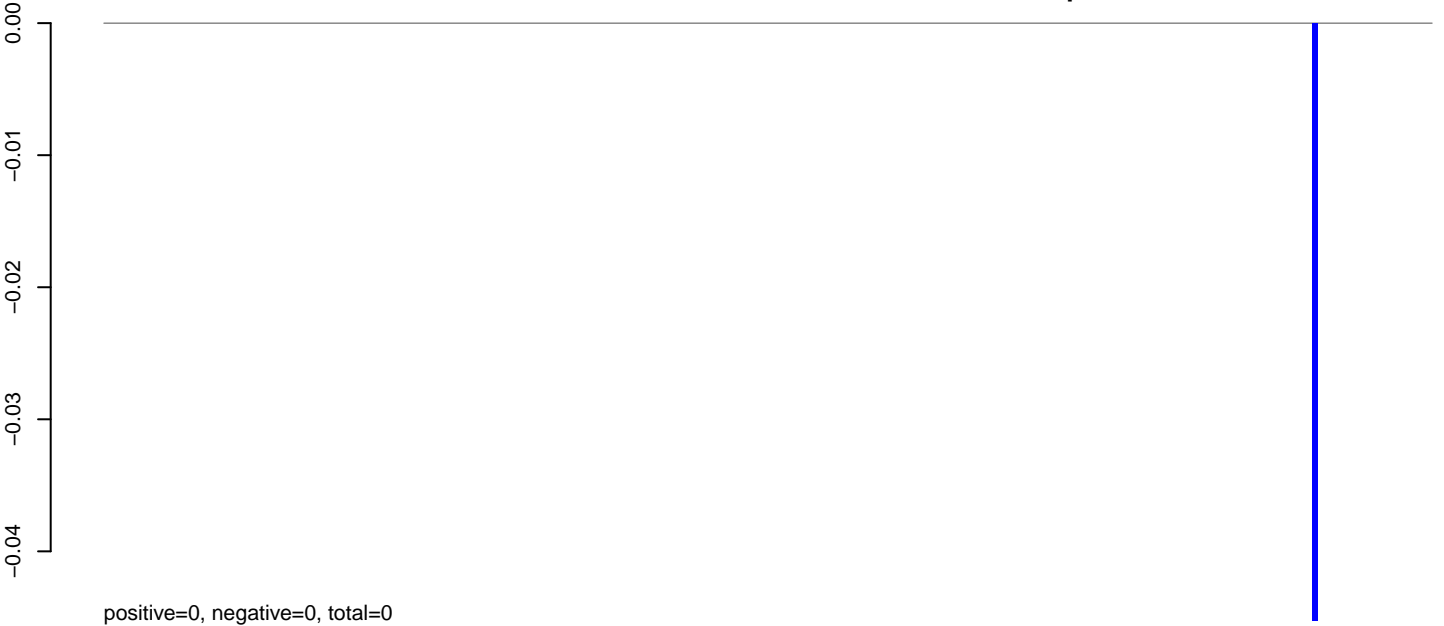


**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



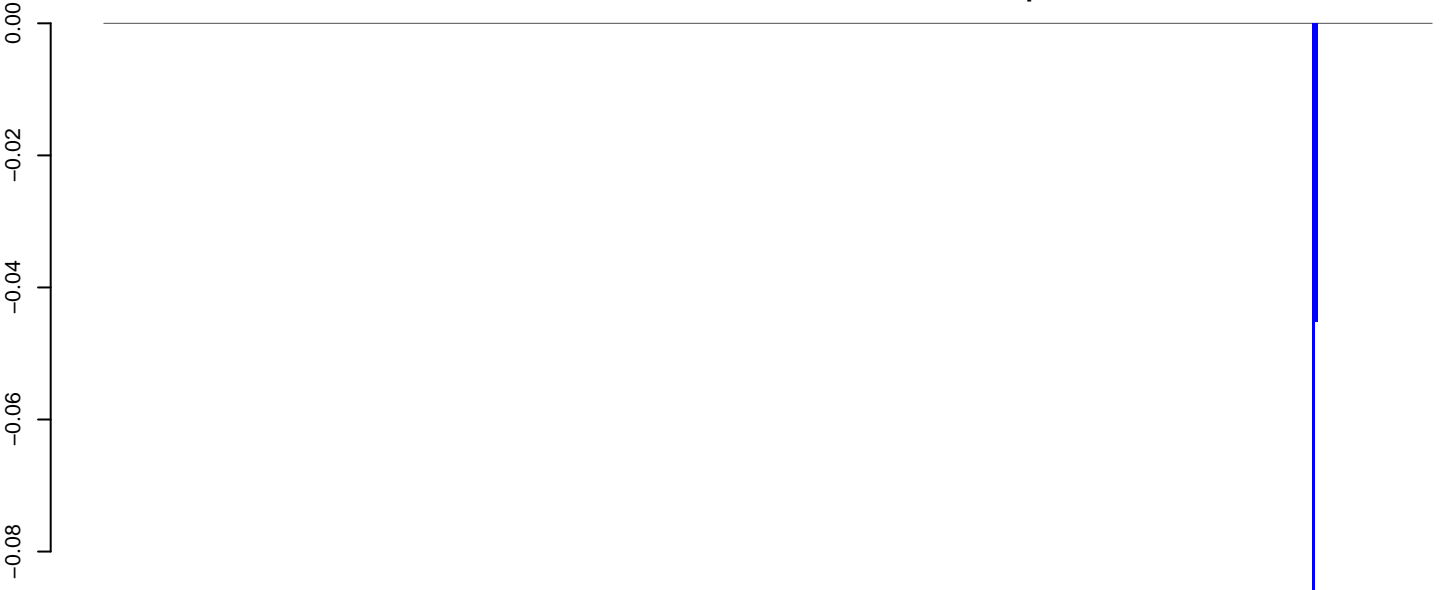
positive=0, negative=0, total=0

**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



positive=0, negative=0, total=0

**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**

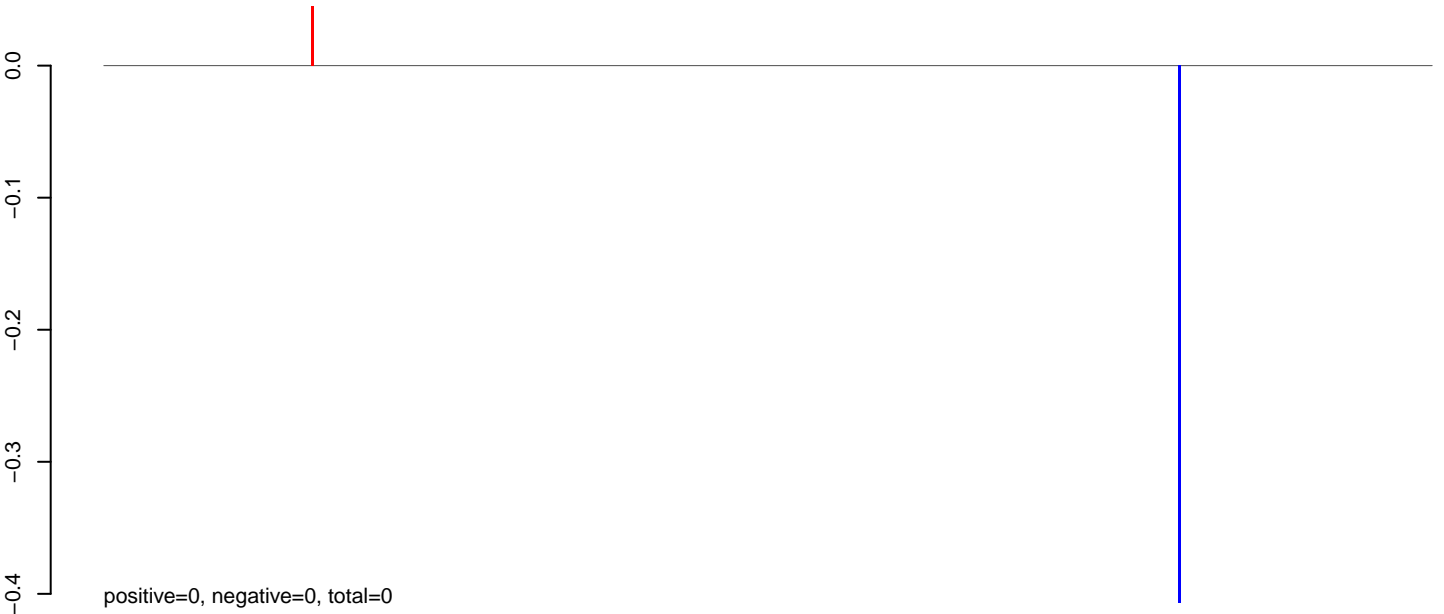


positive=0, negative=0, total=0

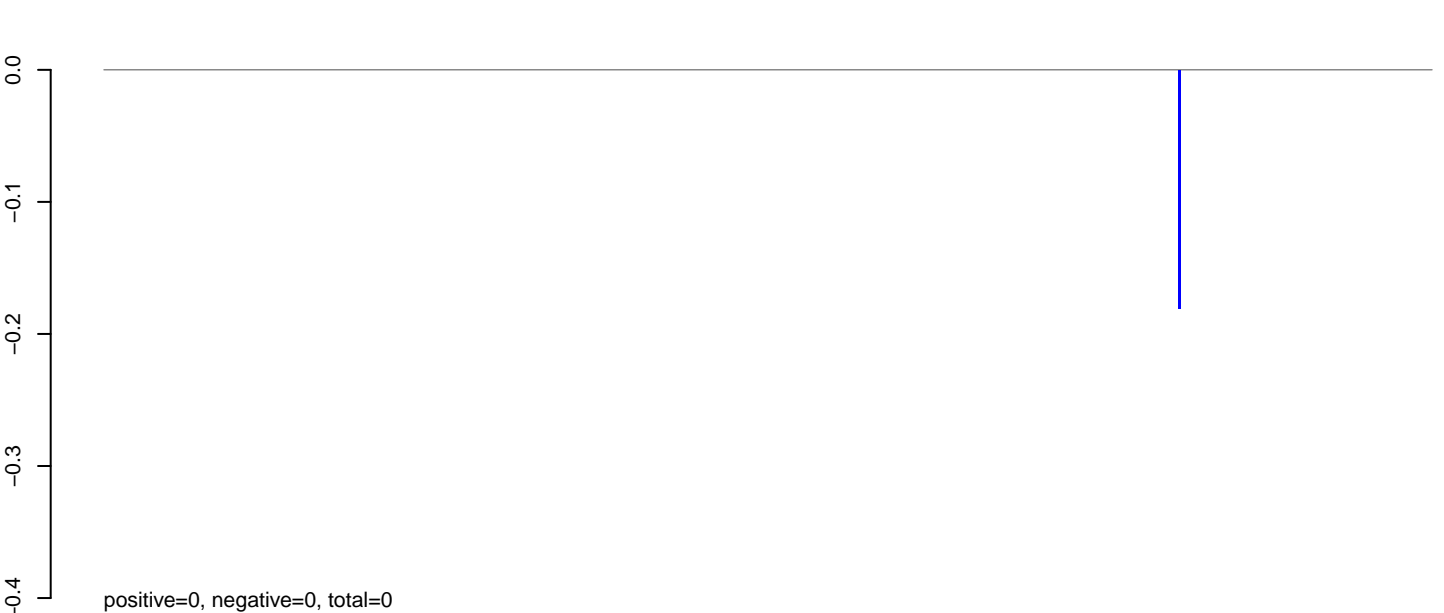
Window size=25, length=11066, virus@NC\_006551.1-Usutu\_virus:1-11066



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



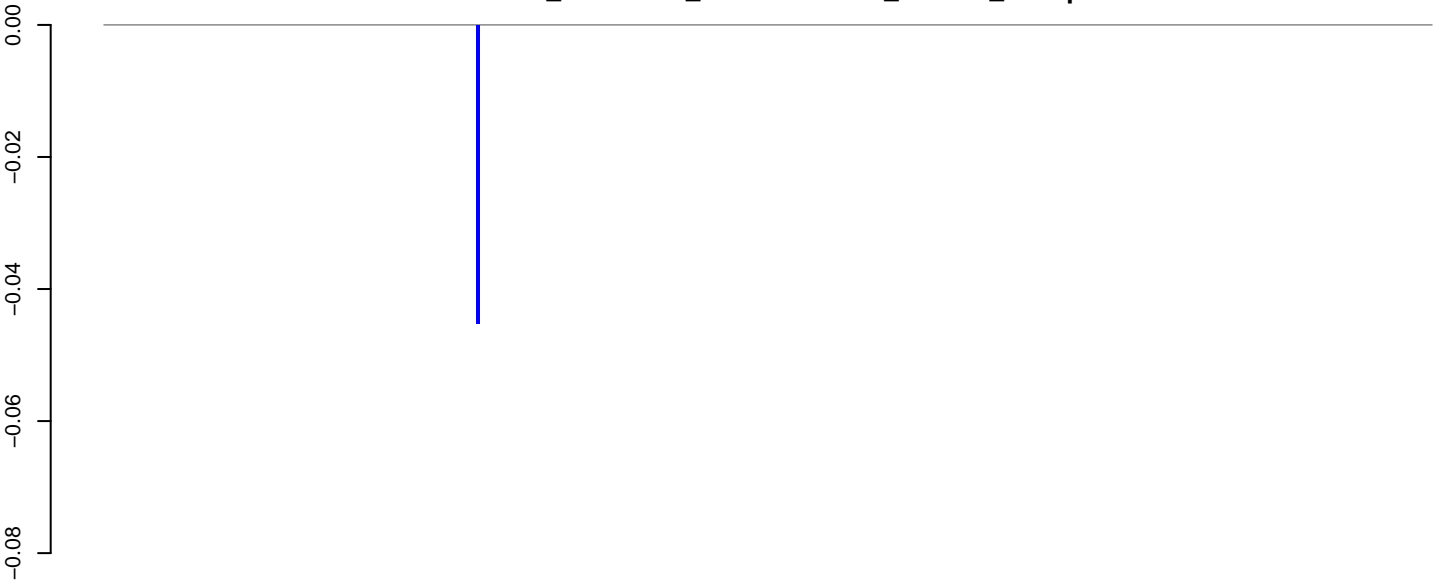
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



Window size=25, length=11375, virus@NC\_005064.1-Kamiti\_River\_virus:1-11375

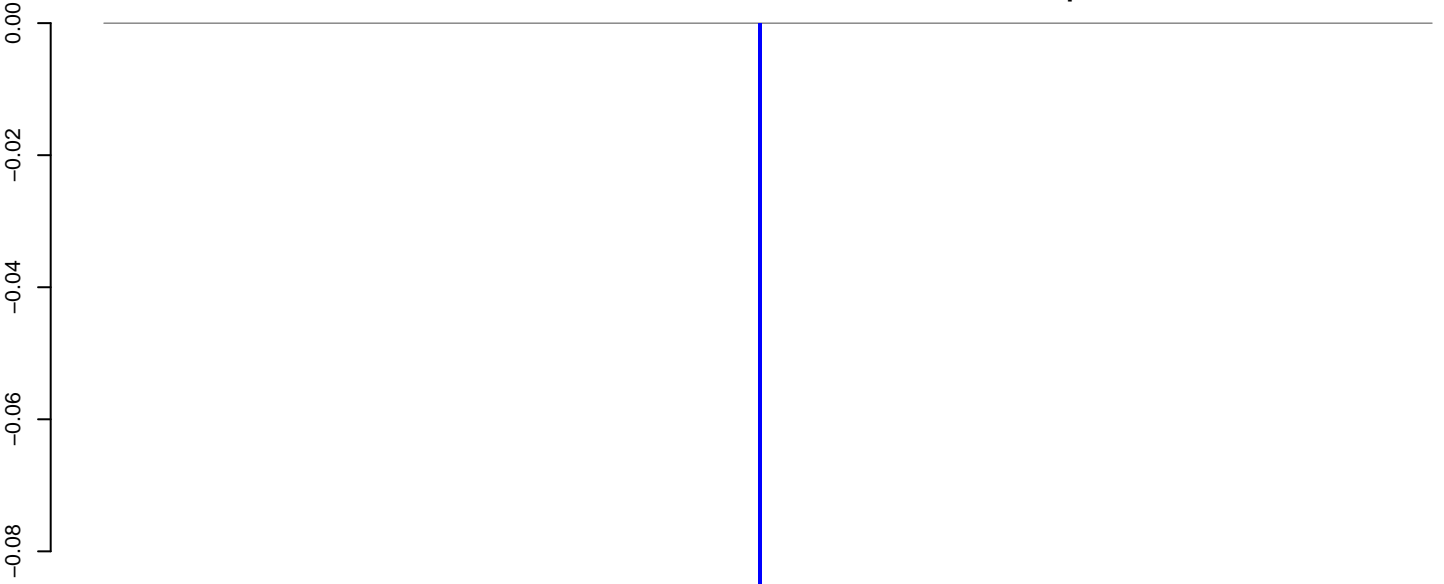
0 2000 4000 6000 8000 10000

**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



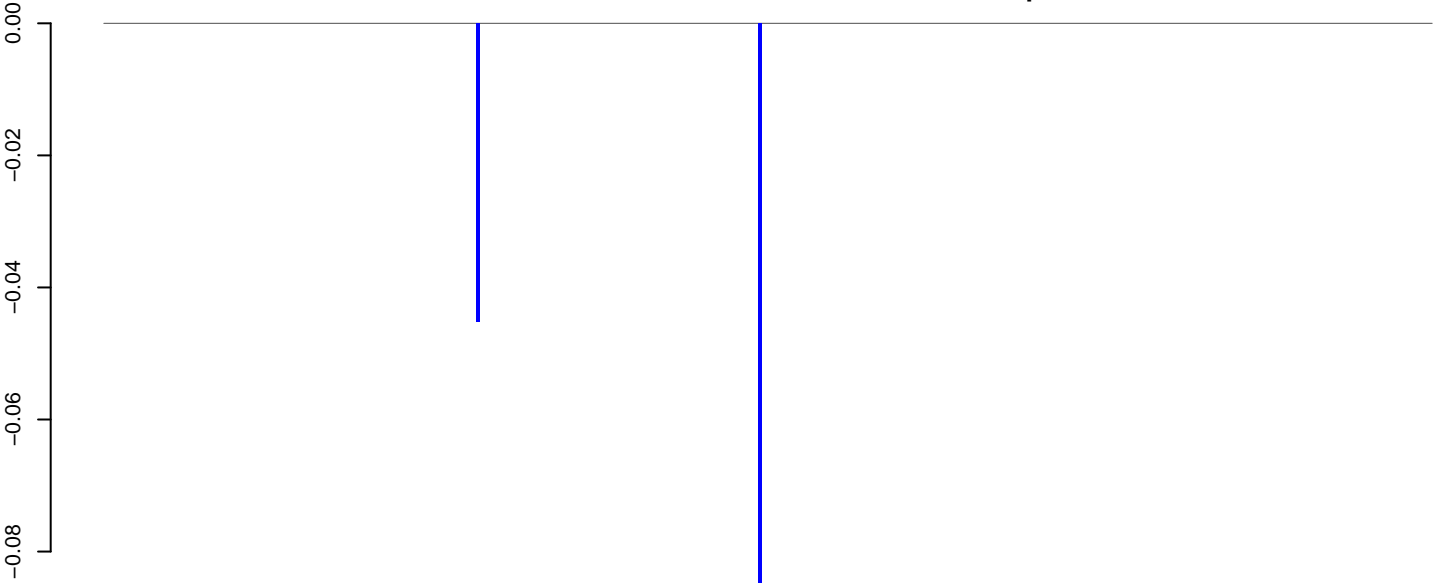
positive=0, negative=0, total=0

**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



positive=0, negative=0, total=0

**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**

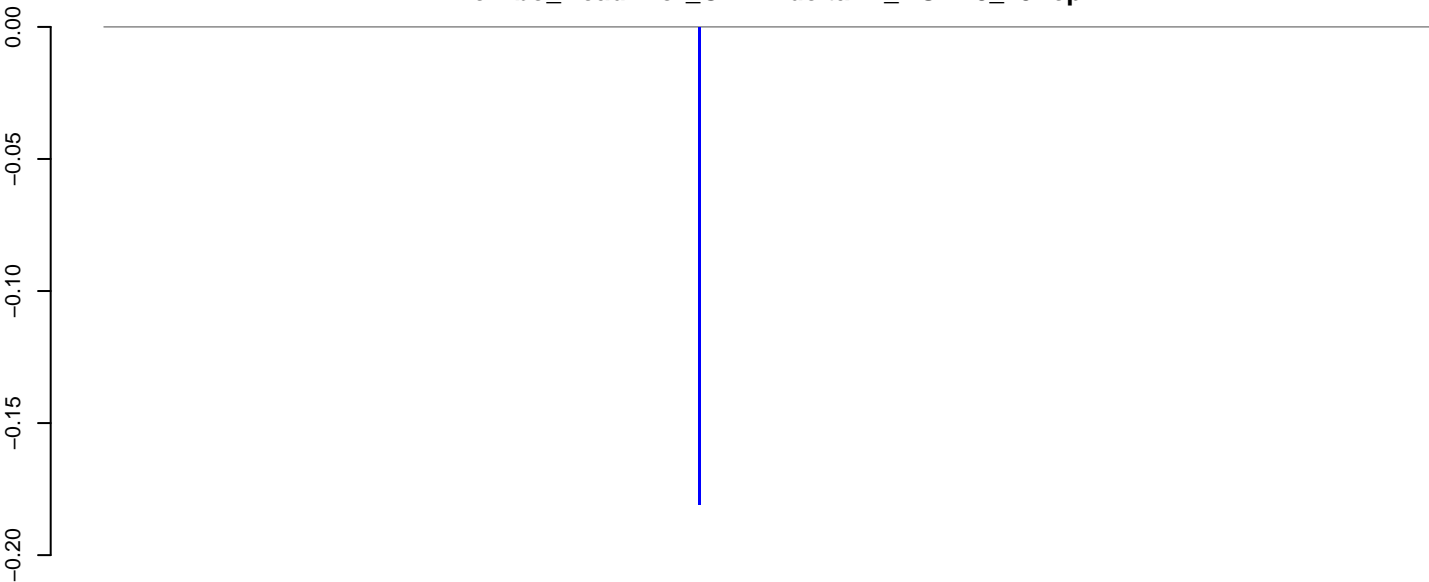


positive=0, negative=0, total=0

Window size=25, length=10682, virus@NC\_001564.2-Cell\_fusing\_agent\_virus\_strain\_Galveston:1-10682

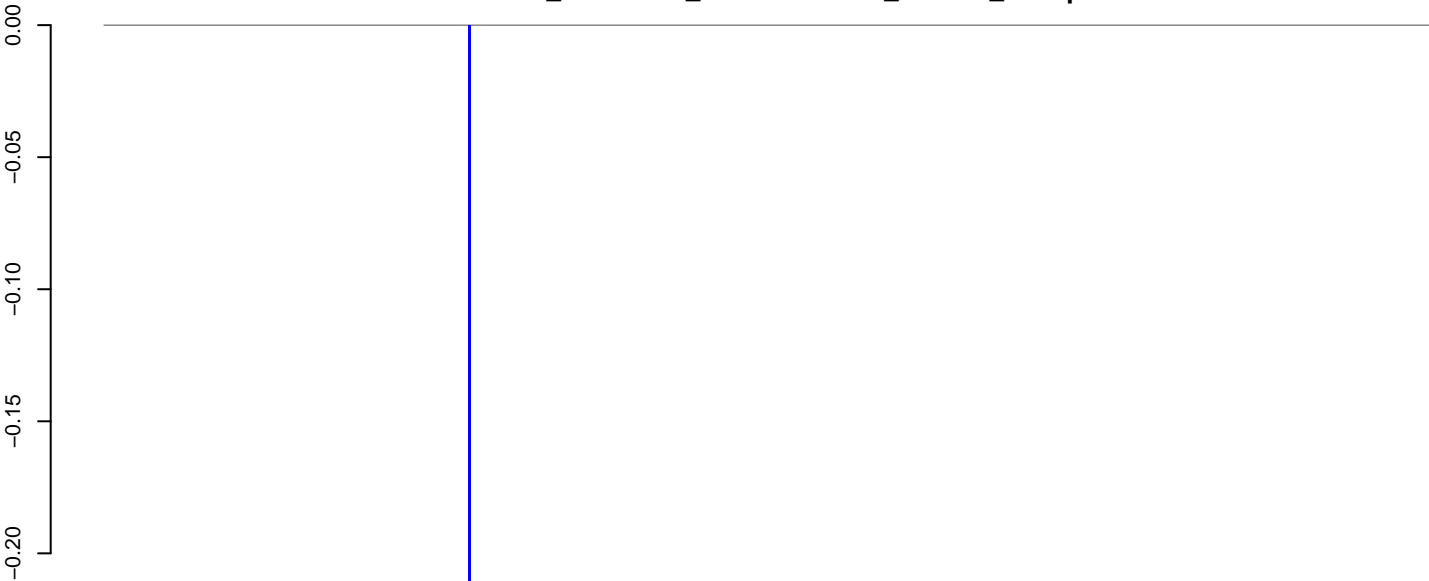
0 2000 4000 6000 8000 10000

AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



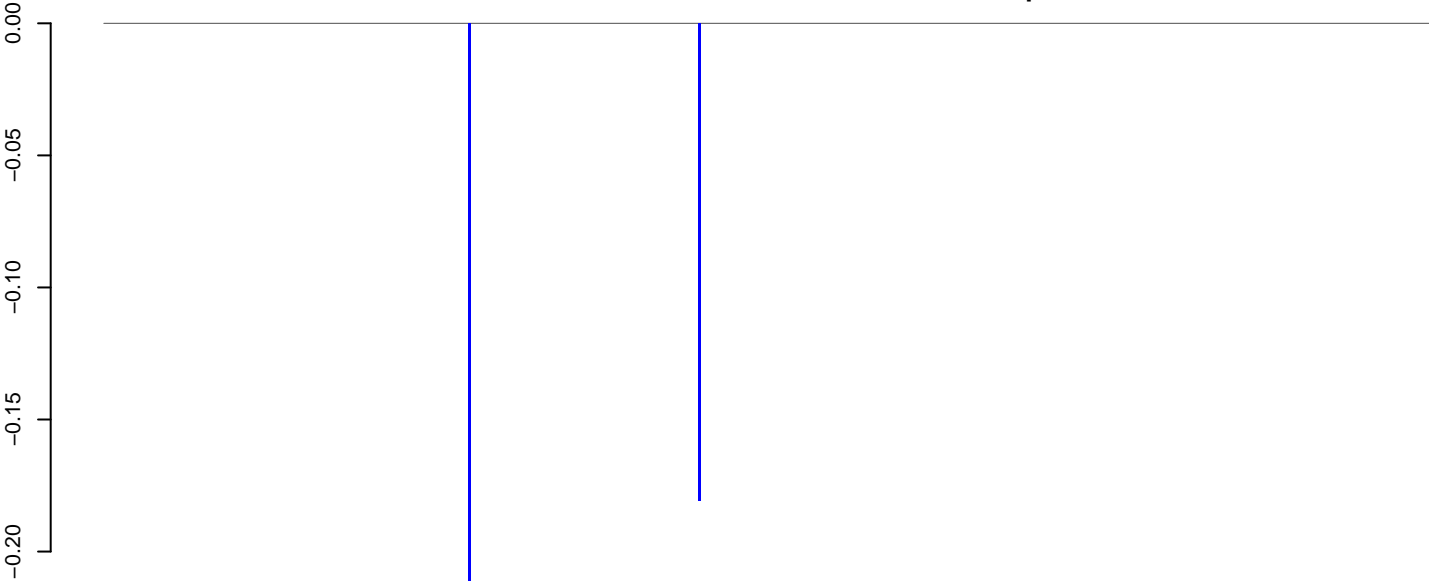
positive=0, negative=0, total=0

AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



positive=0, negative=0, total=0

AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep

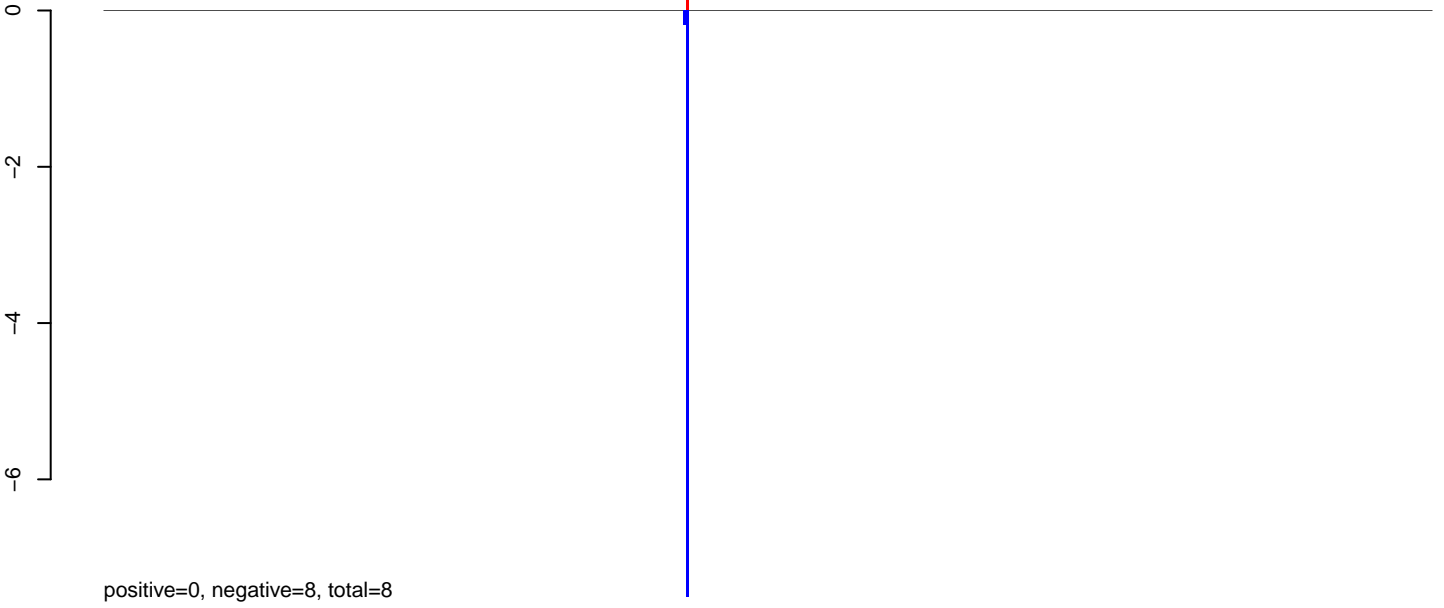


v size=25, time=0, total=0, used=0  
148553.1-Gambie\_virus\_putative\_nucleoprotein\_putative\_small\_transmembrane\_protein\_putative\_g:1-11652

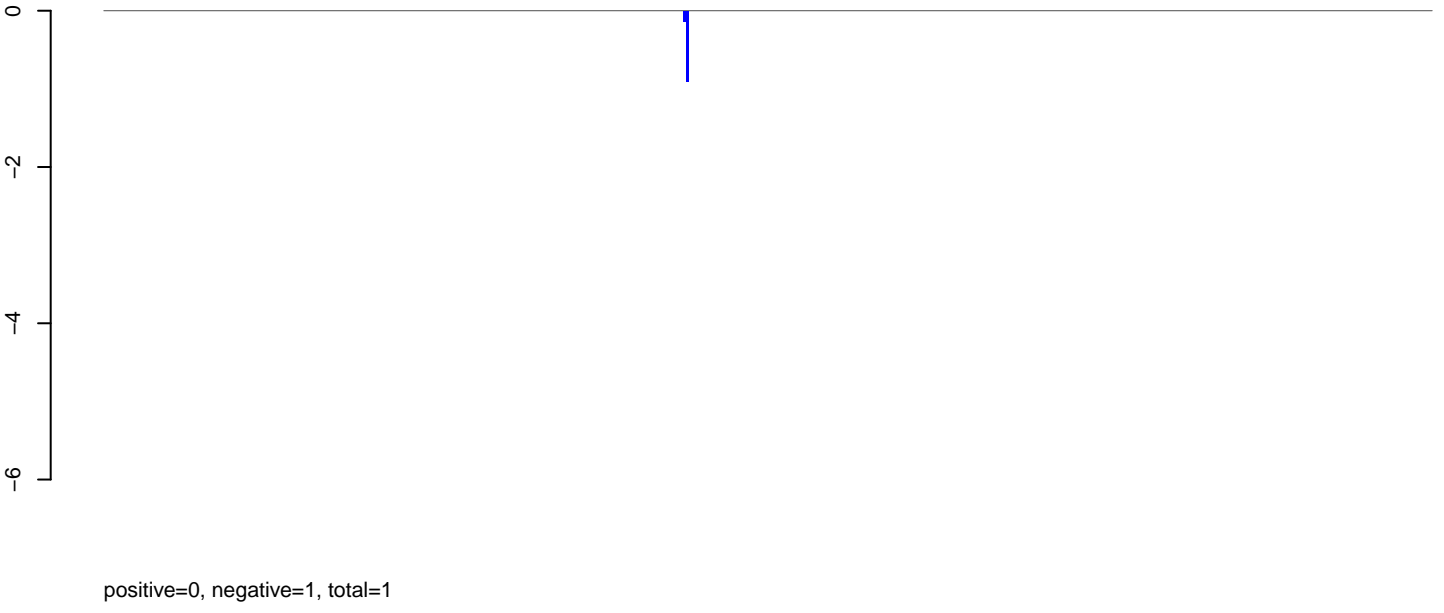
0 2000 4000 6000 8000 10000 12000



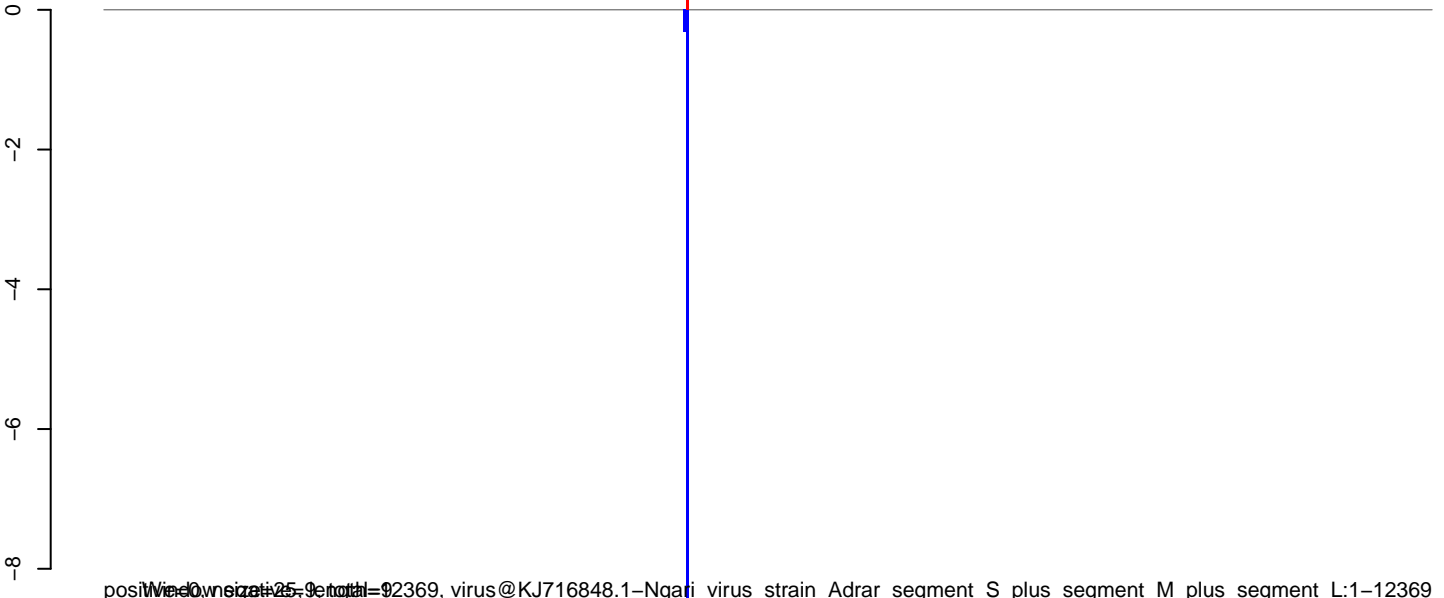
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**

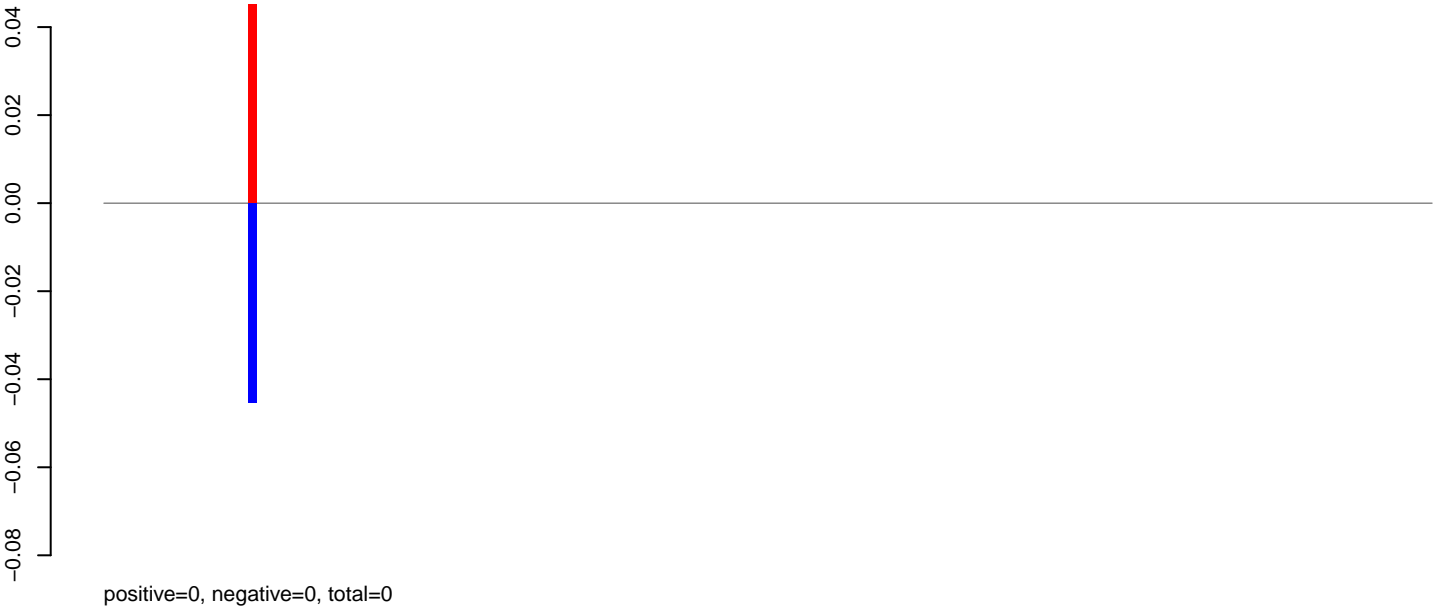


0 2000 4000 6000 8000 10000 12000

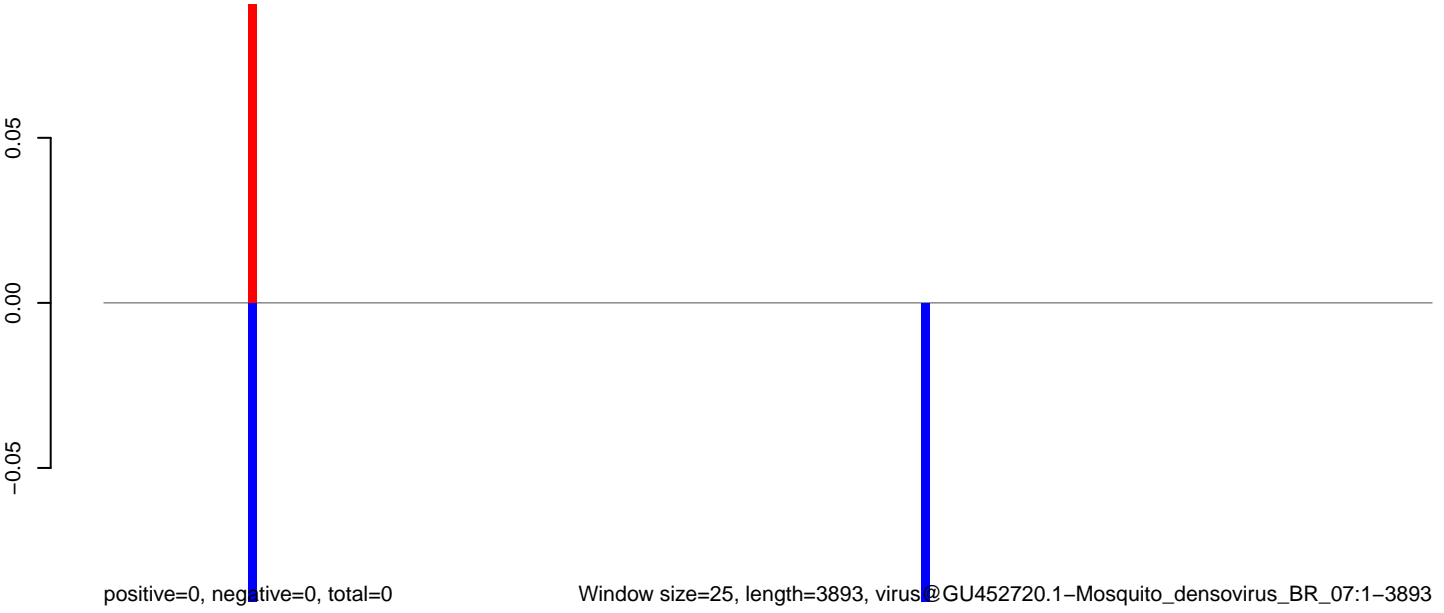
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



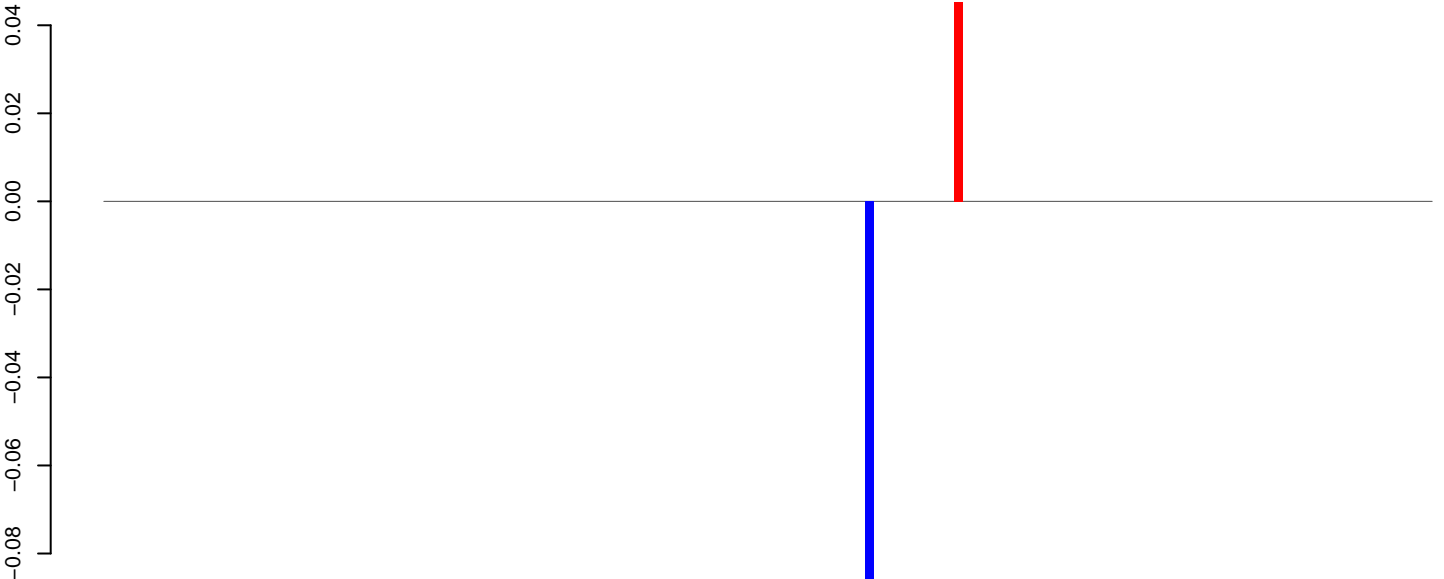
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**

0.00  
-0.01  
-0.02  
-0.03  
-0.04

positive=0, negative=0, total=0

**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**

0.00  
-0.01  
-0.02  
-0.03  
-0.04

positive=0, negative=0, total=0

**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**

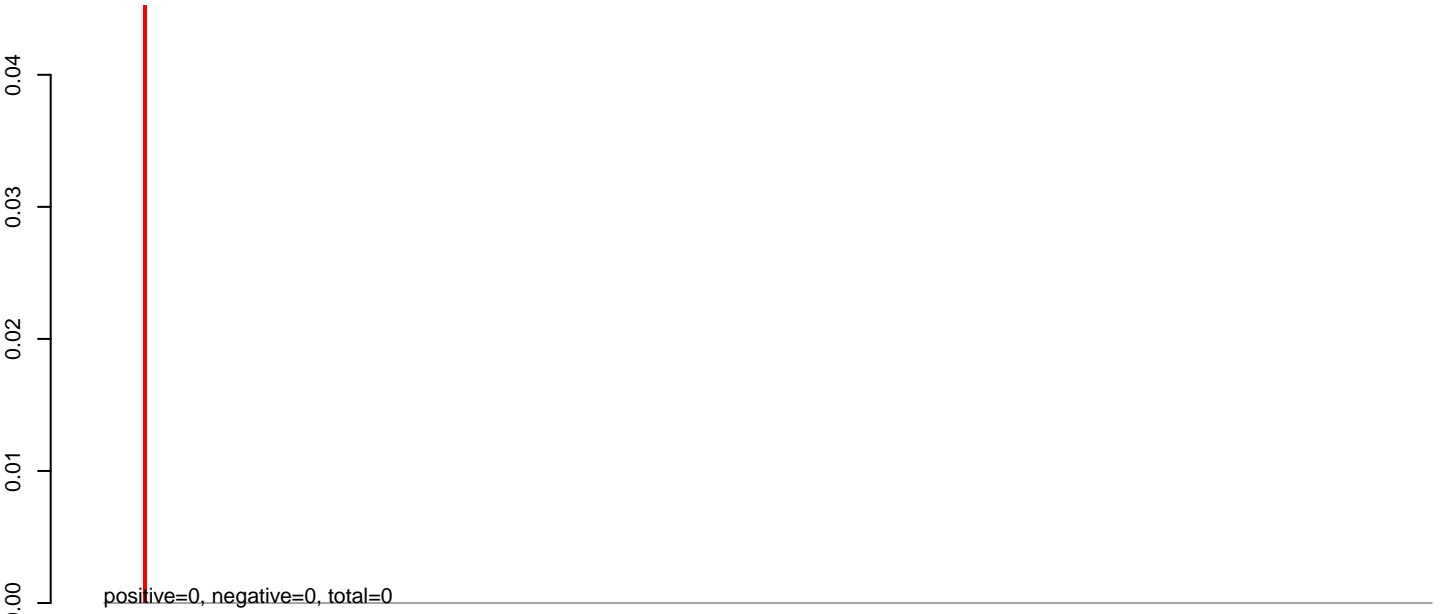
0.00  
-0.01  
-0.02  
-0.03  
-0.04

positive=0, negative=0, total=0

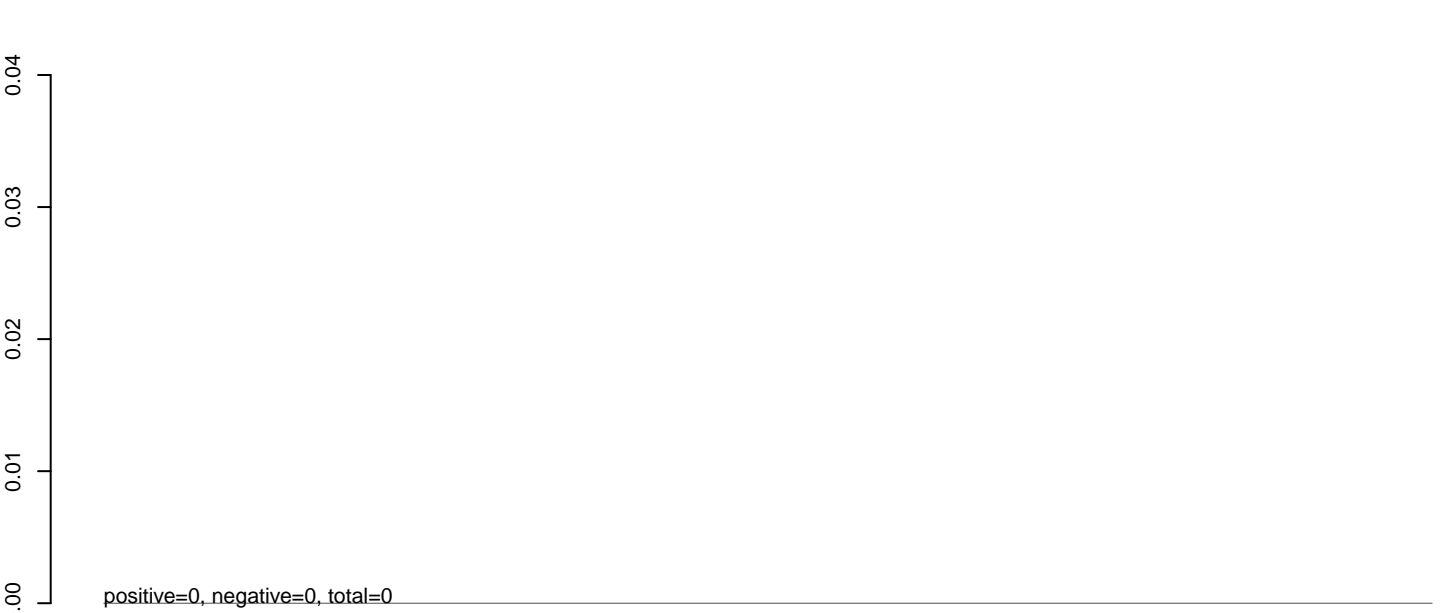
Window size=25, length=4176, virus@X74945.1-Aedes\_albopictus\_densovirus\_2\_DNA:1-4176

0 1000 2000 3000 4000

AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



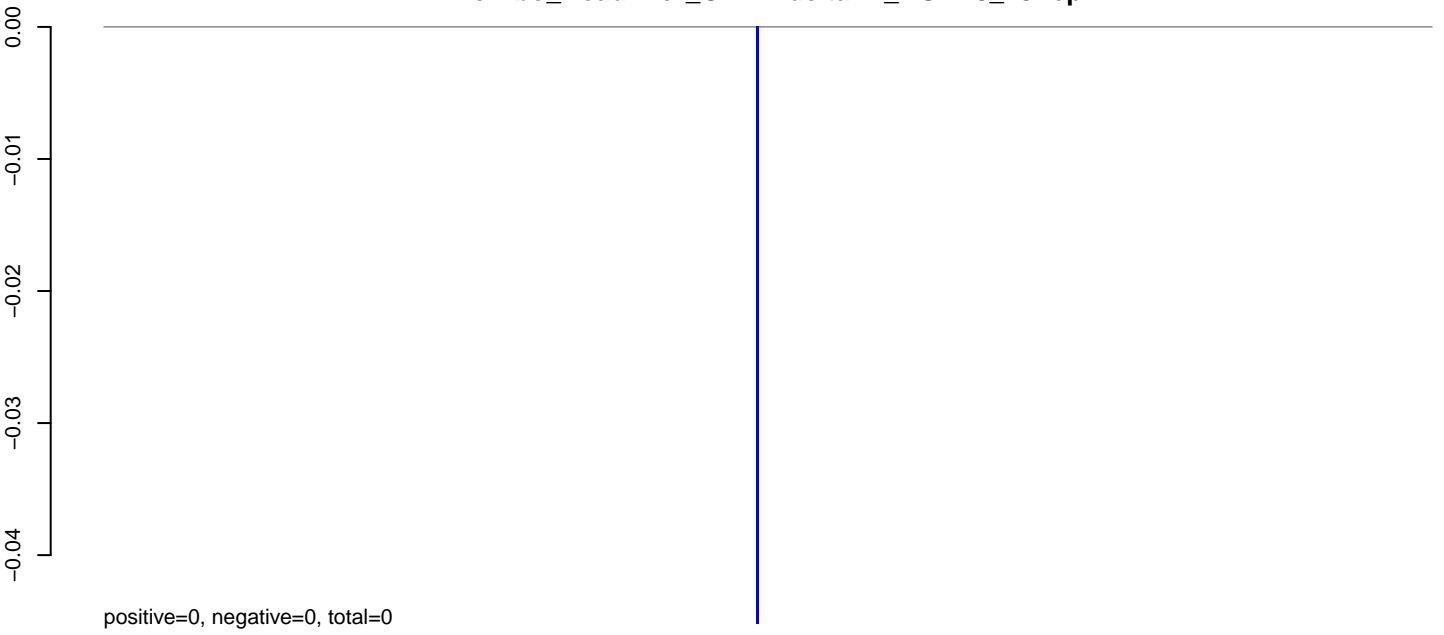
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



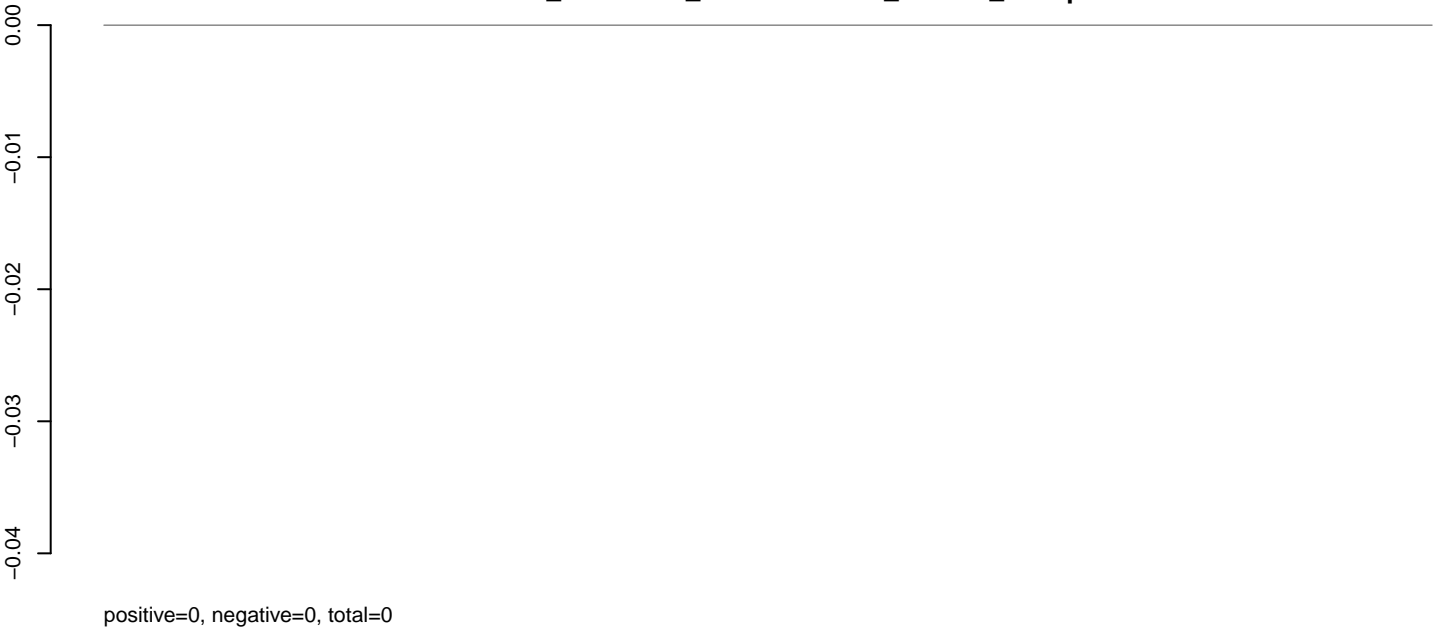
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



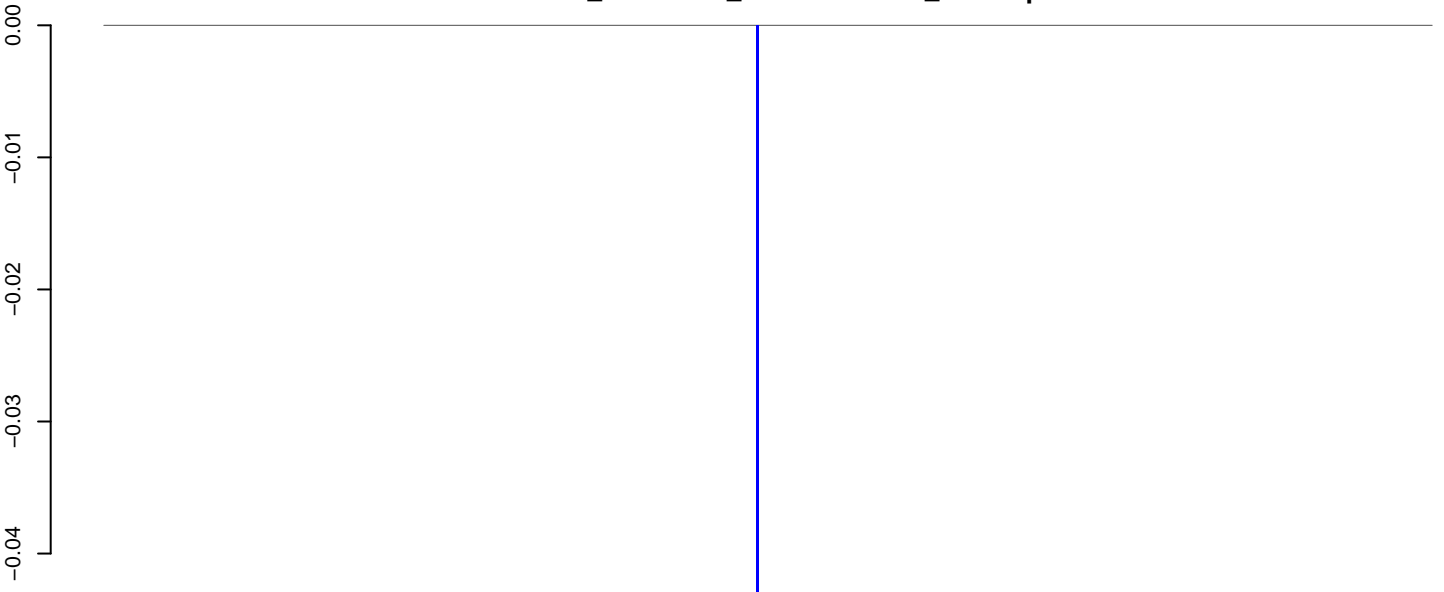
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



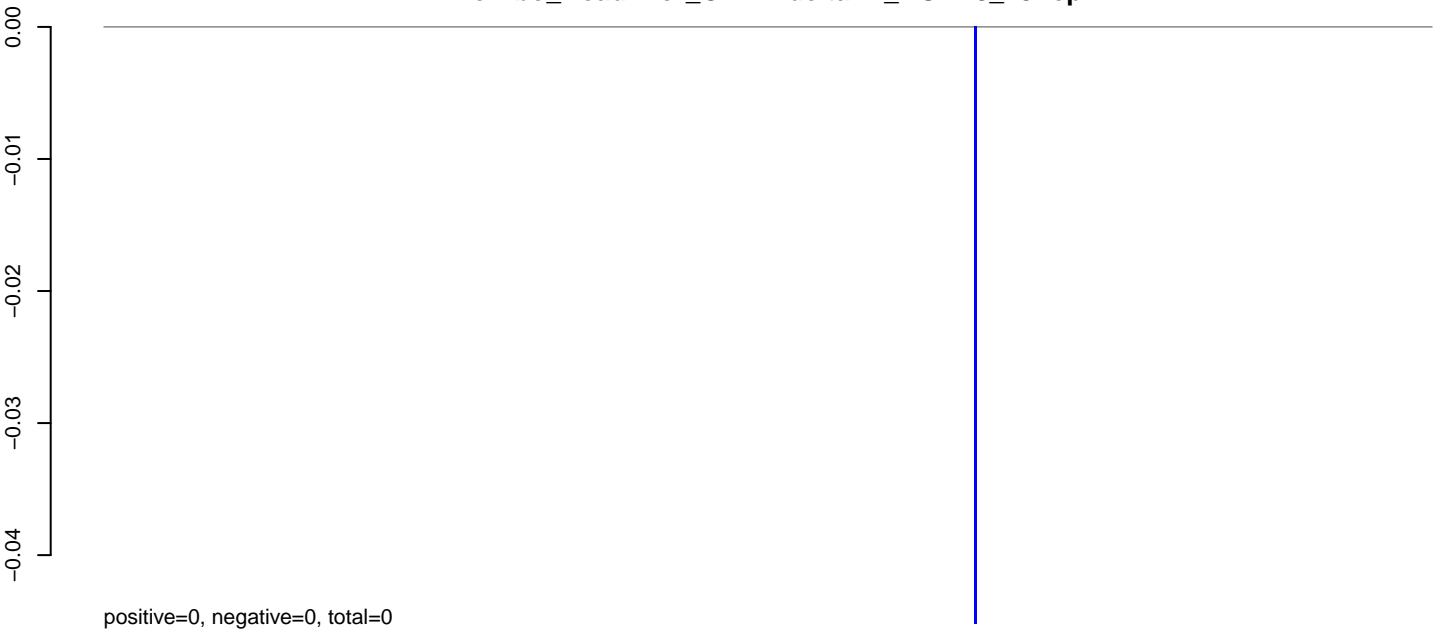
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



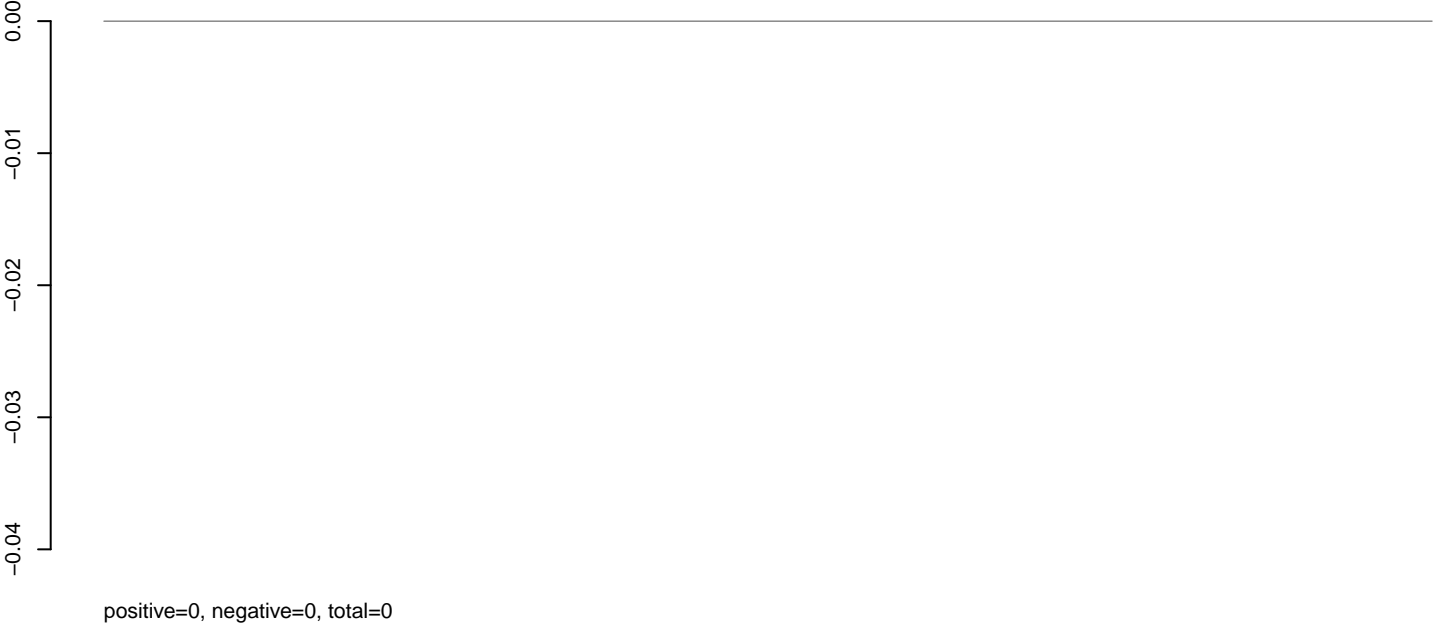
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



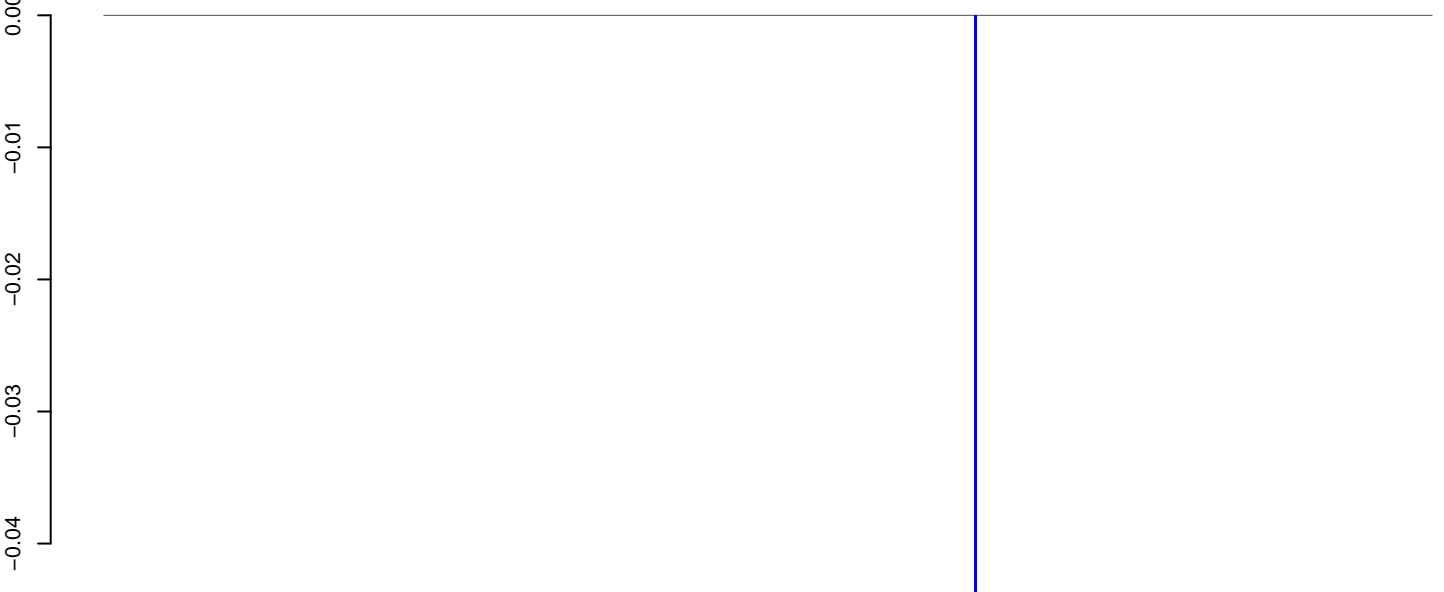
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



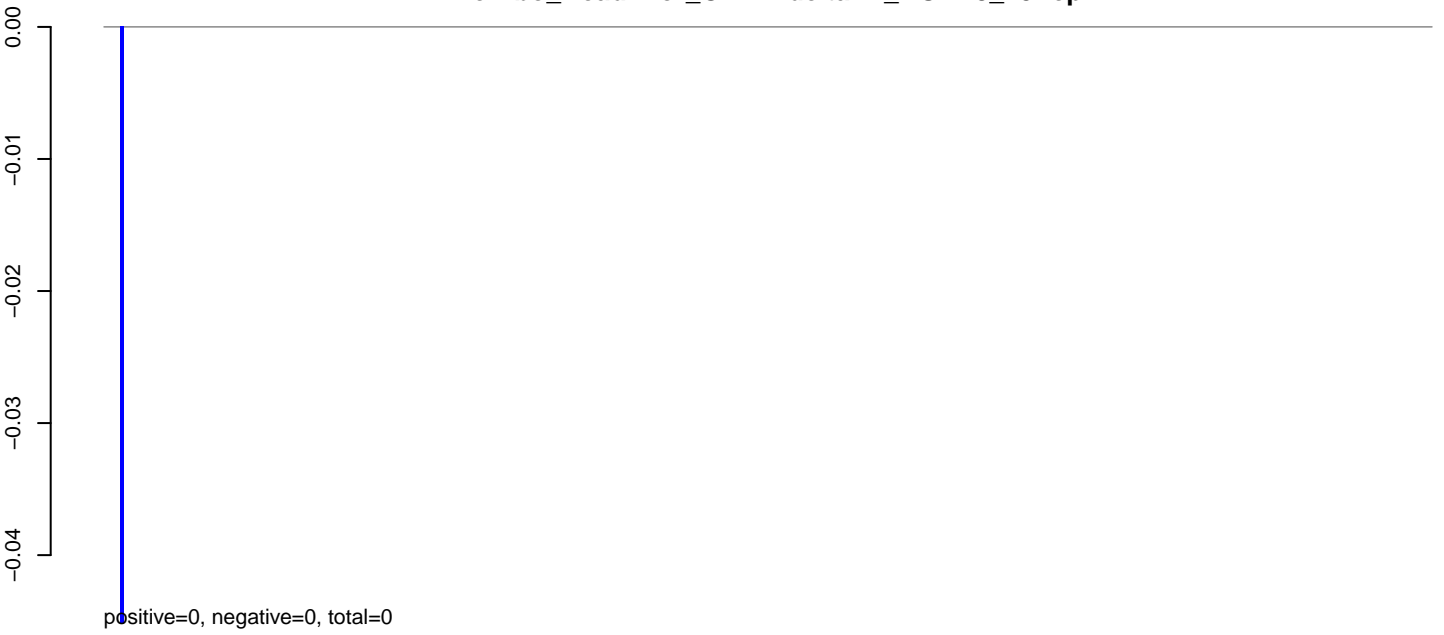
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



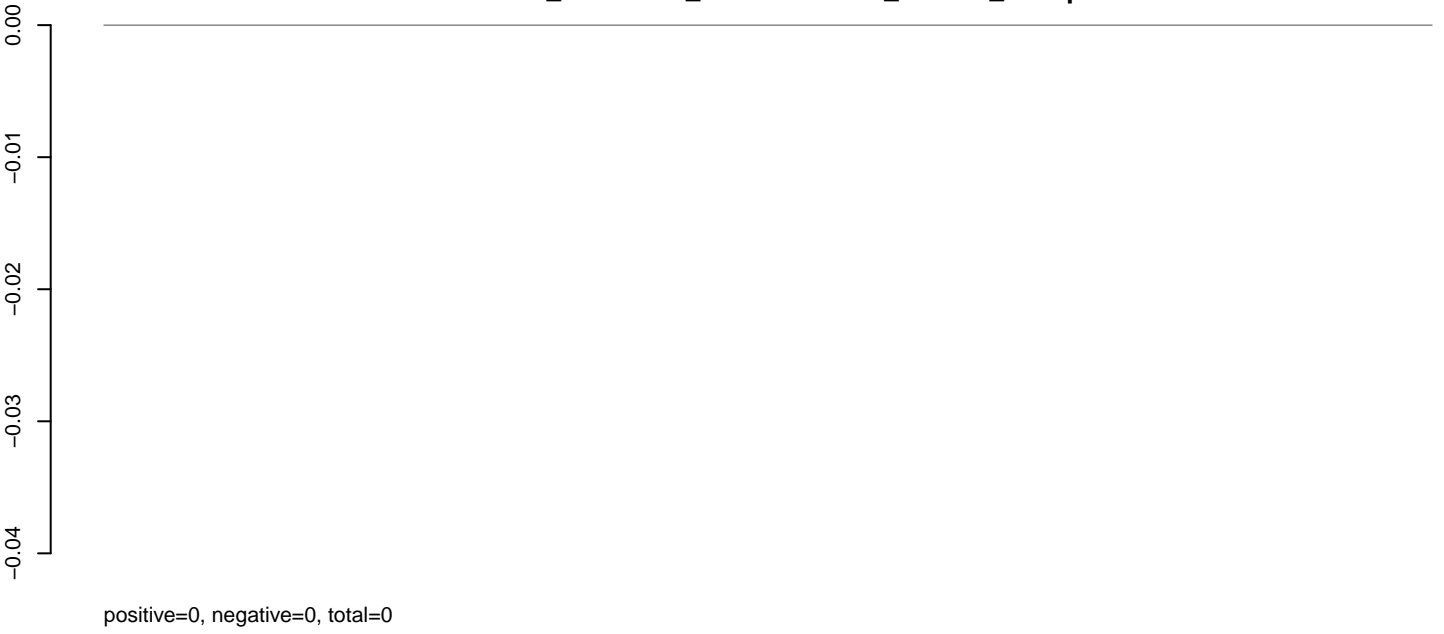
w size=25, length=257, use@NC\_034448.1-Mosqueiro\_virus\_nucleoprotein\_phosphoprotein\_hypothetical\_proteins\_matrix\_glycopro:1-12957

0 2000 4000 6000 8000 10000 12000

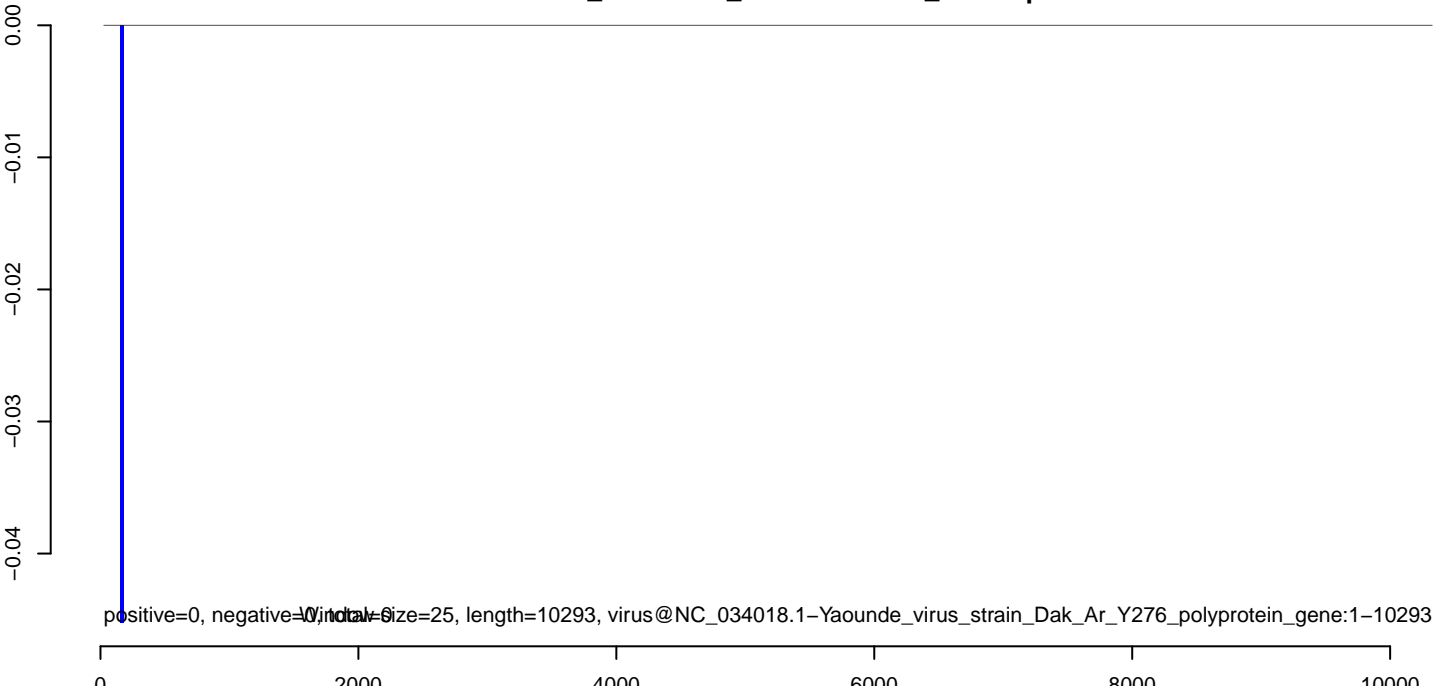
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**

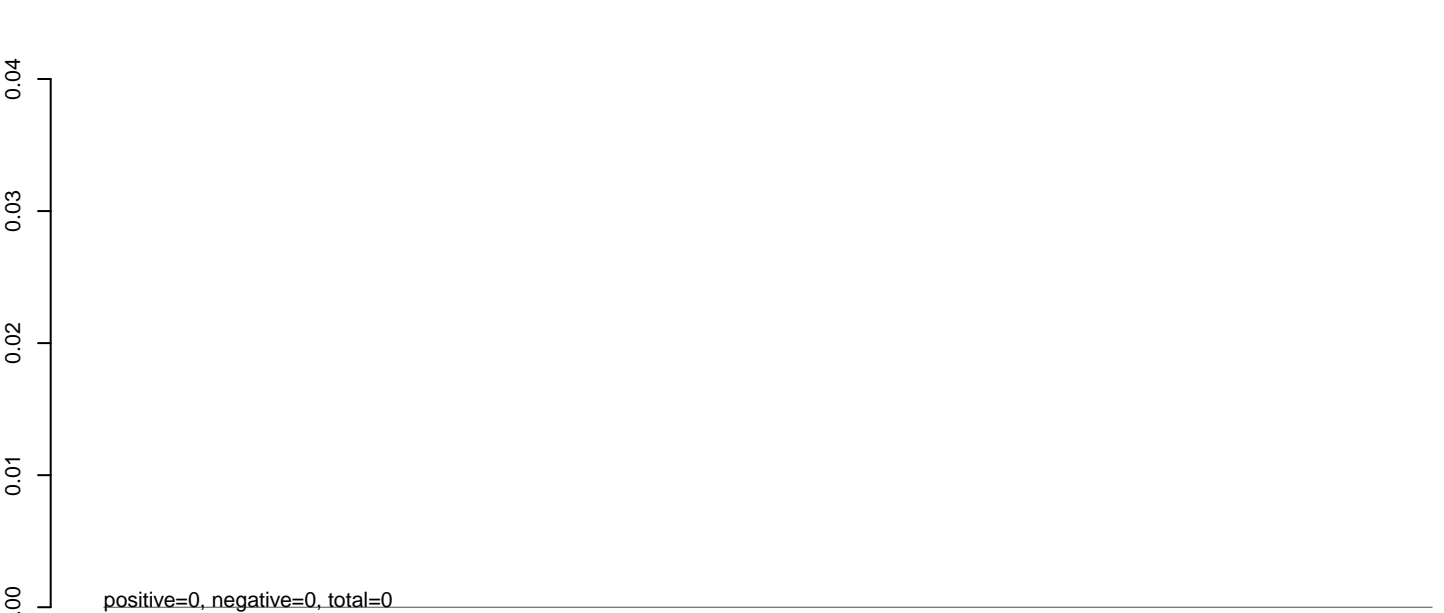




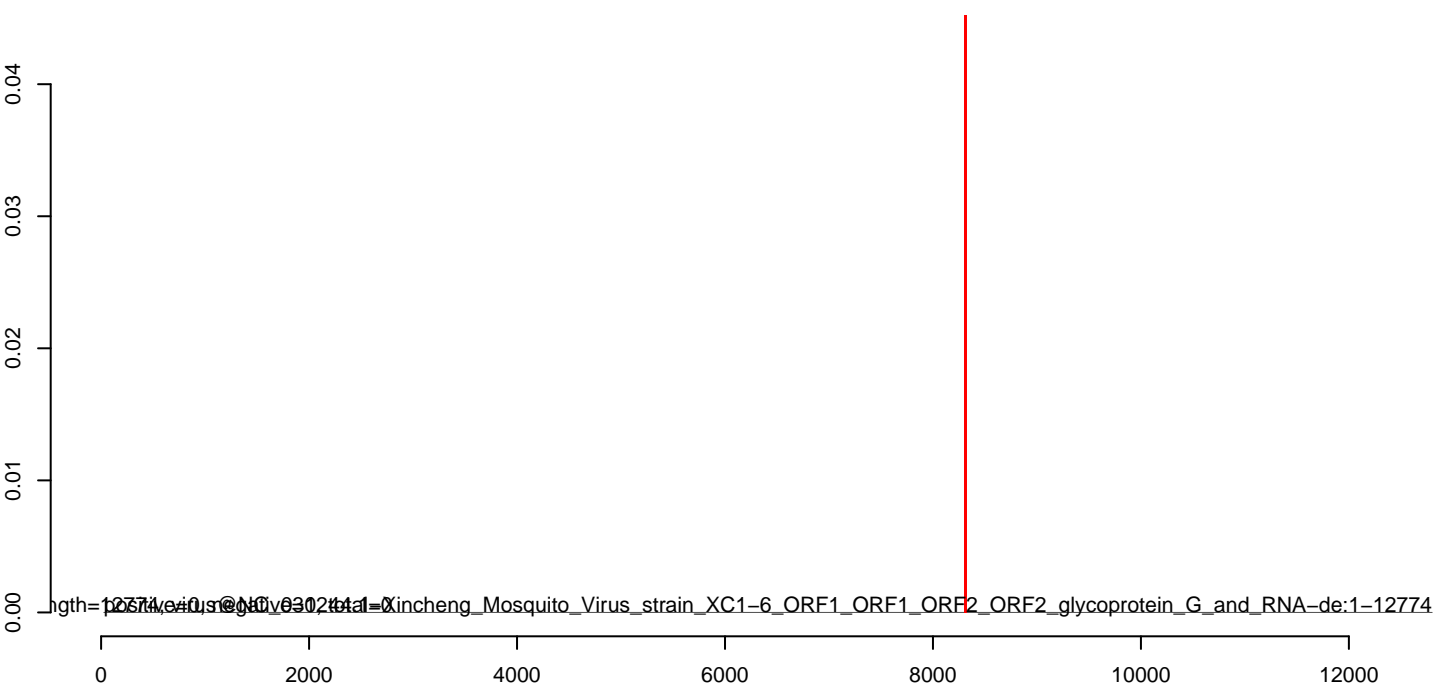
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



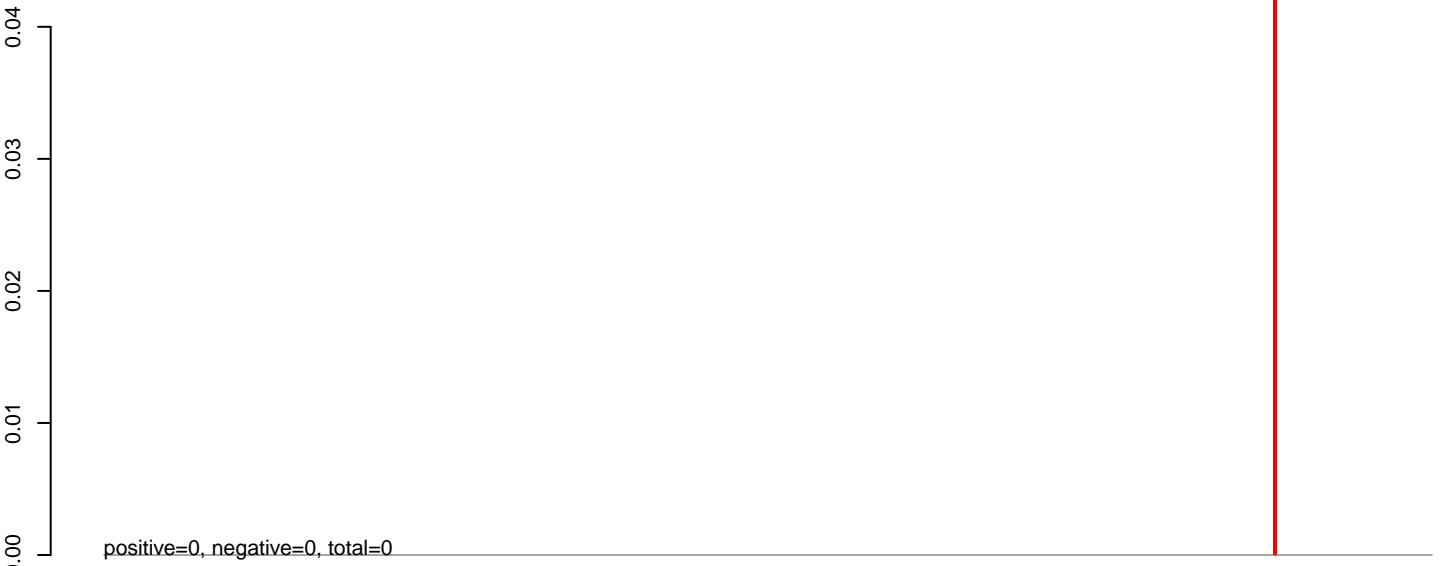
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



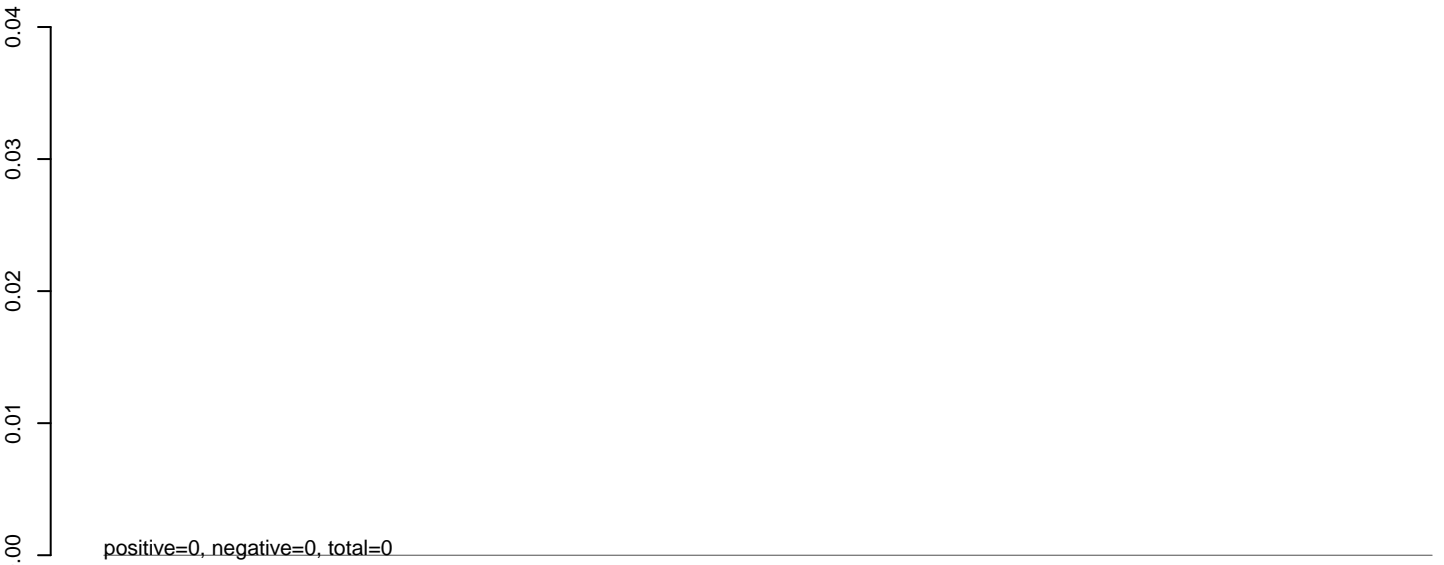
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



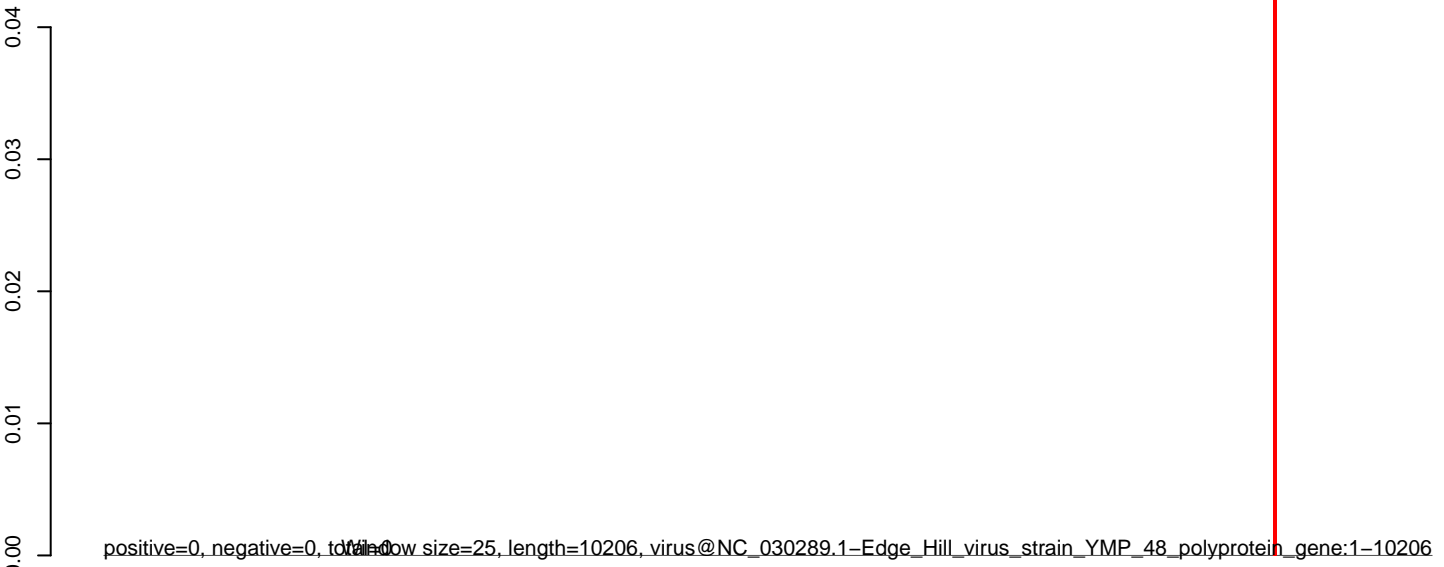
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



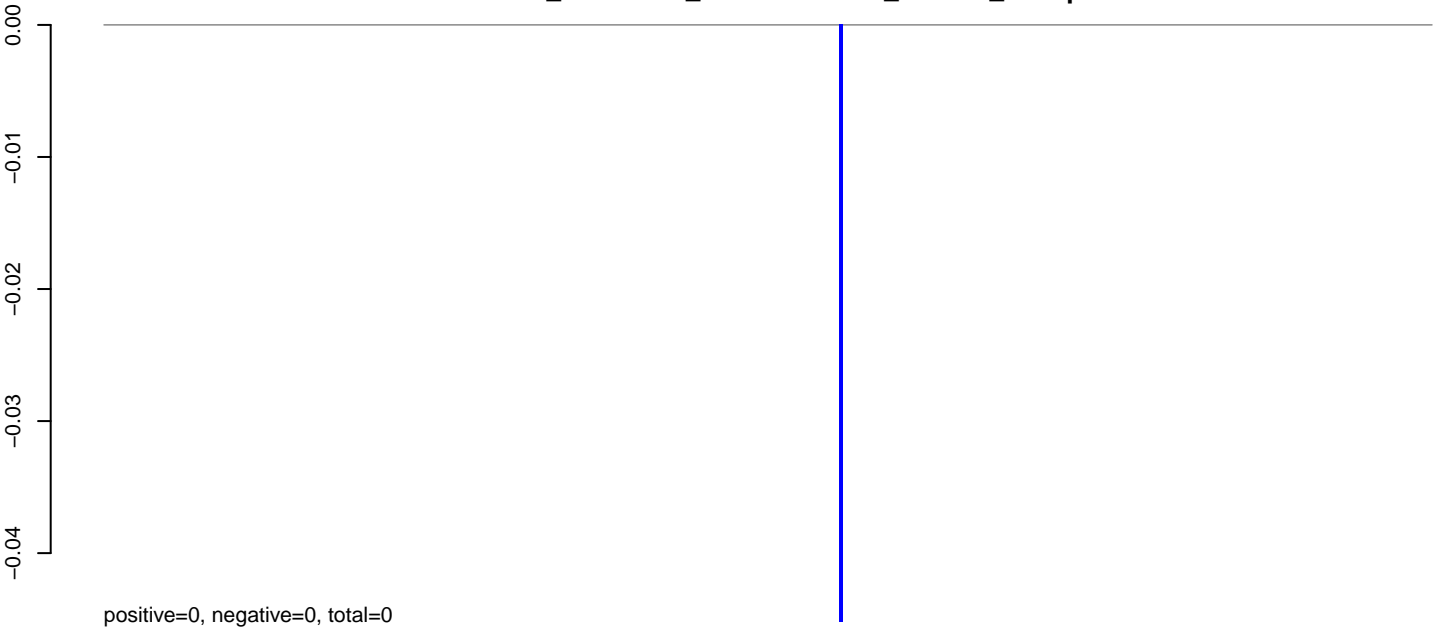
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



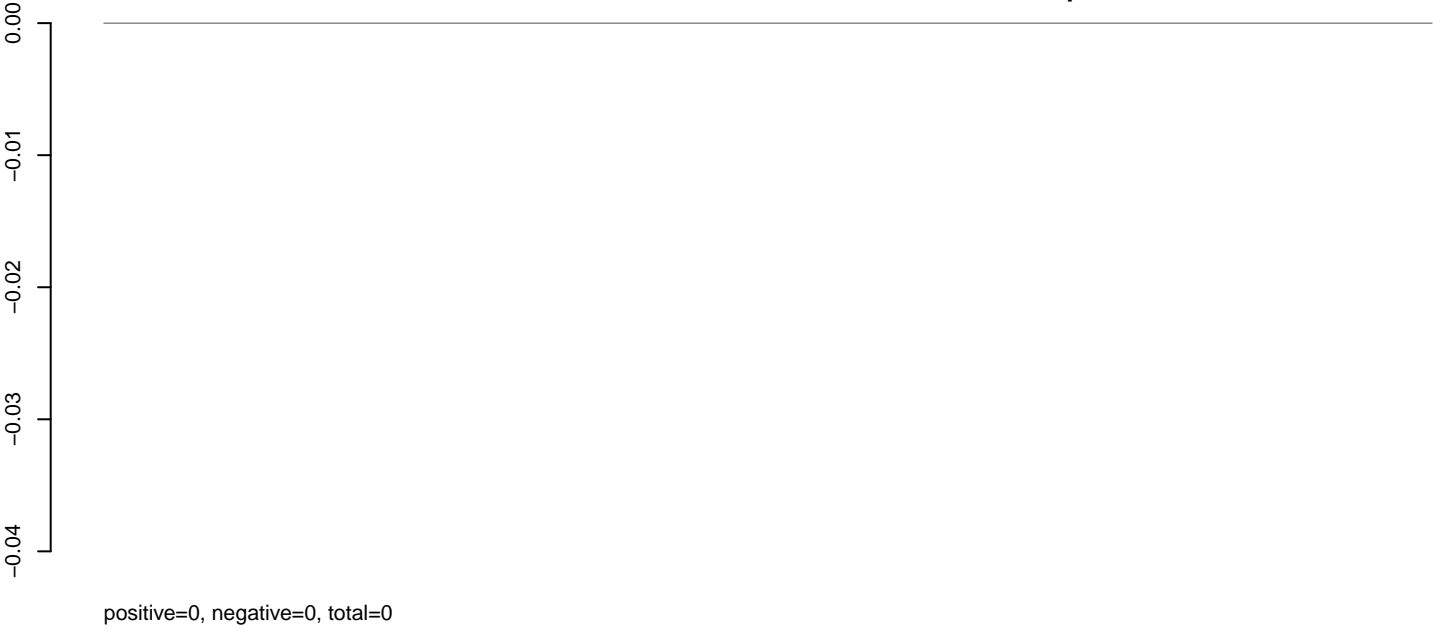
Window size=25, length=10206, virus@NC\_030289.1-Edge\_Hill\_virus\_strain\_YMP\_48\_polyprotein\_gene:1-10206

0 2000 4000 6000 8000 10000

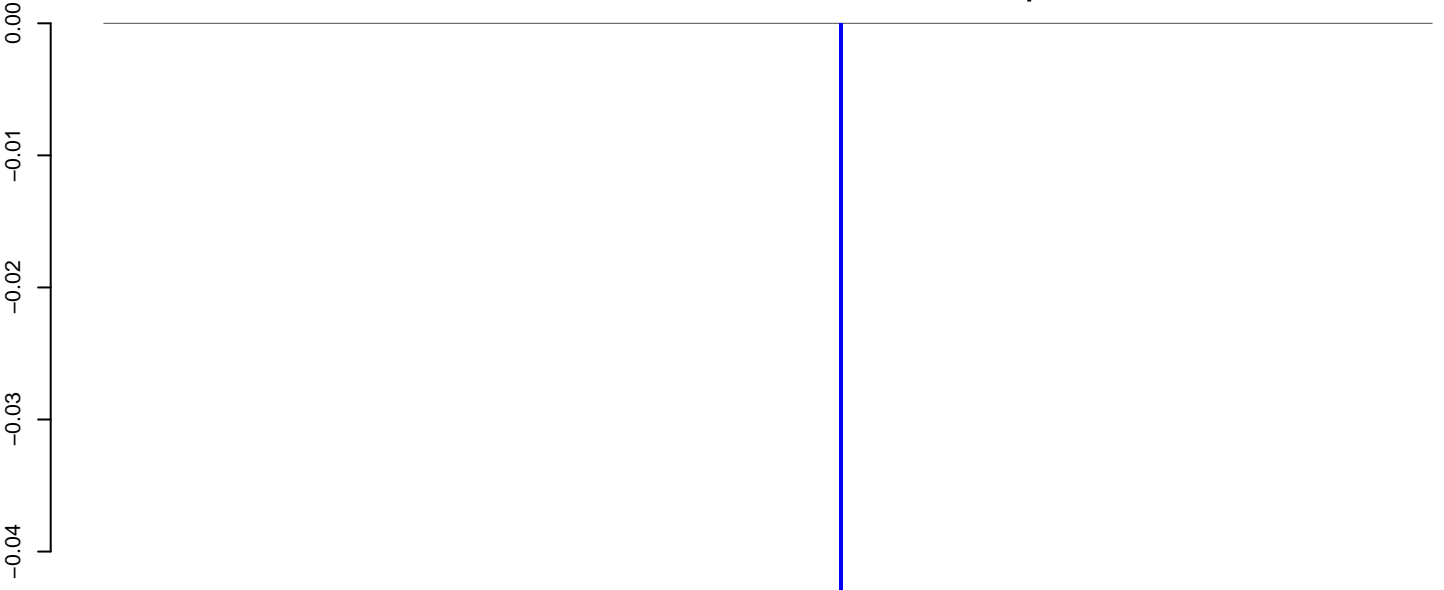
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



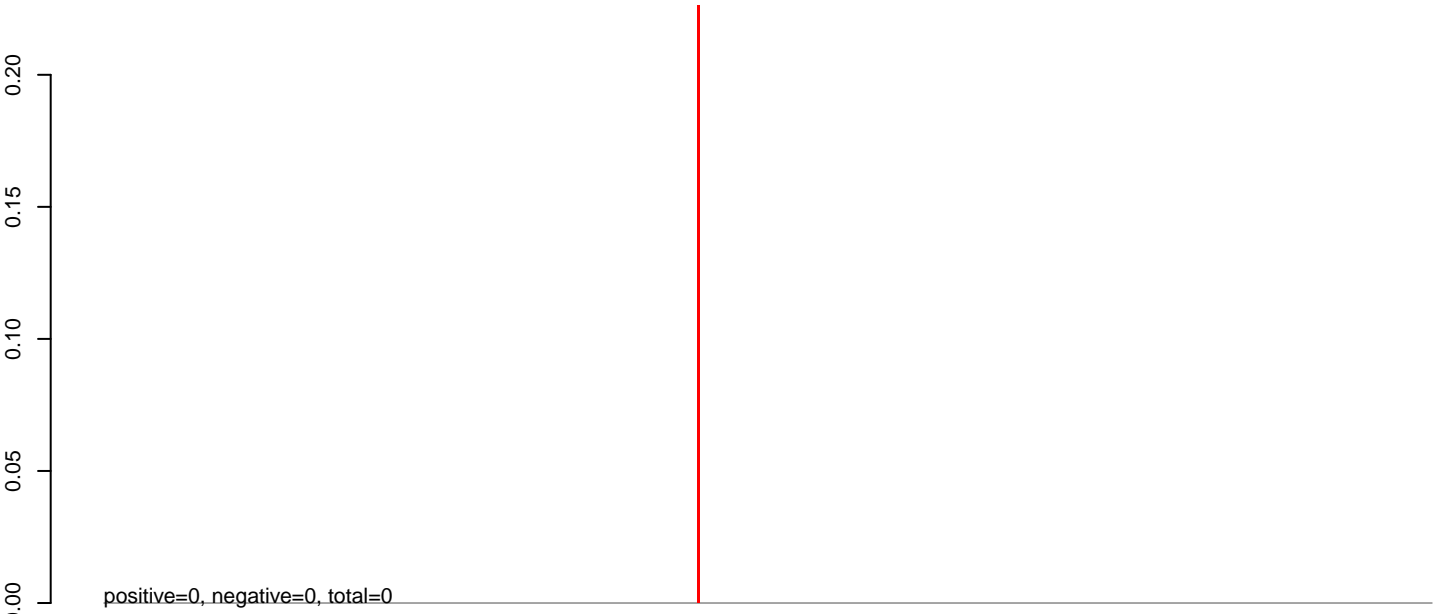
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



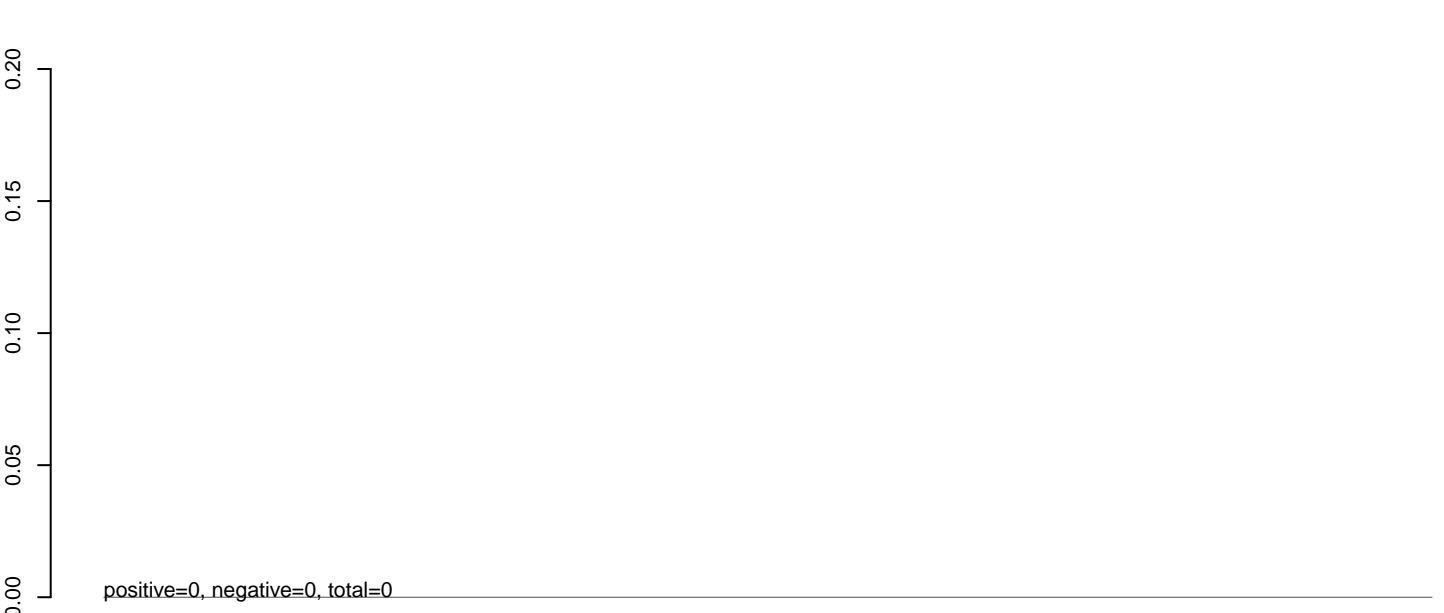
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



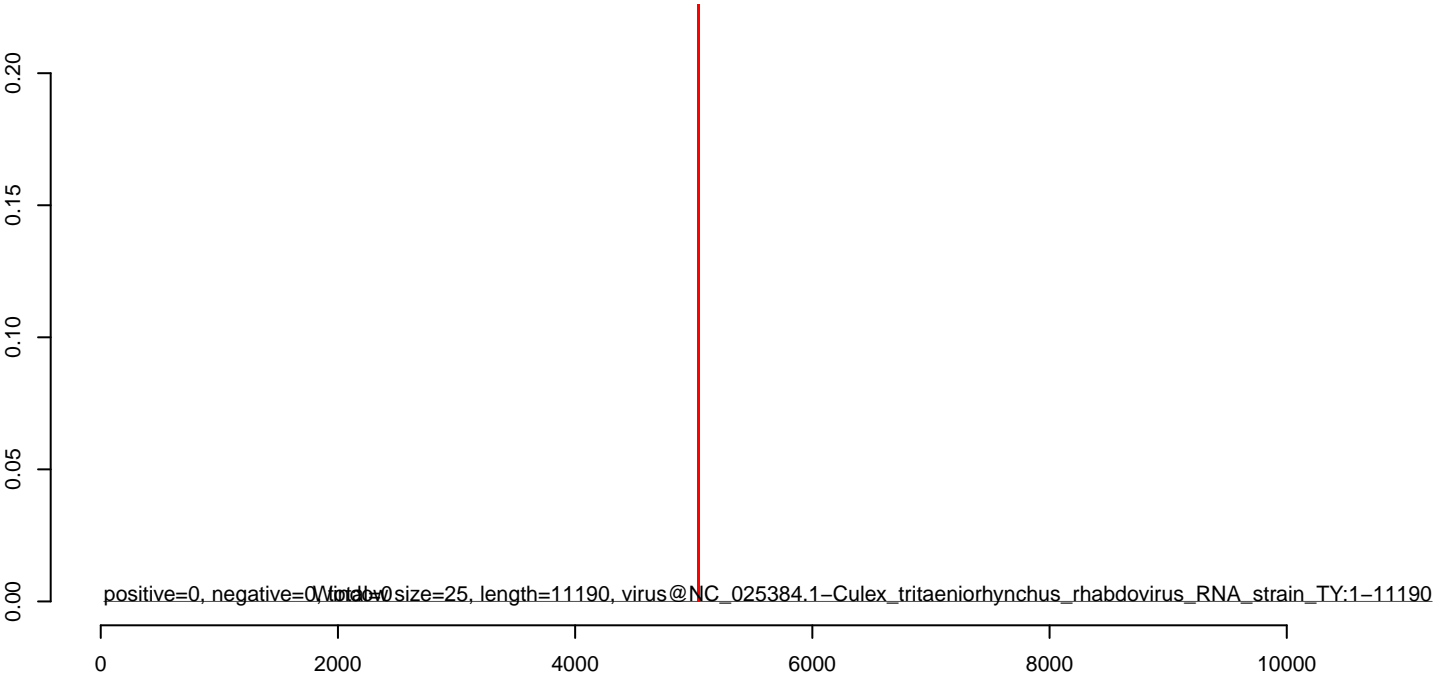
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**

0.00  
-0.01  
-0.02  
-0.03  
-0.04

positive=0, negative=0, total=0

**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**

0.00  
-0.01  
-0.02  
-0.03  
-0.04

positive=0, negative=0, total=0

**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**

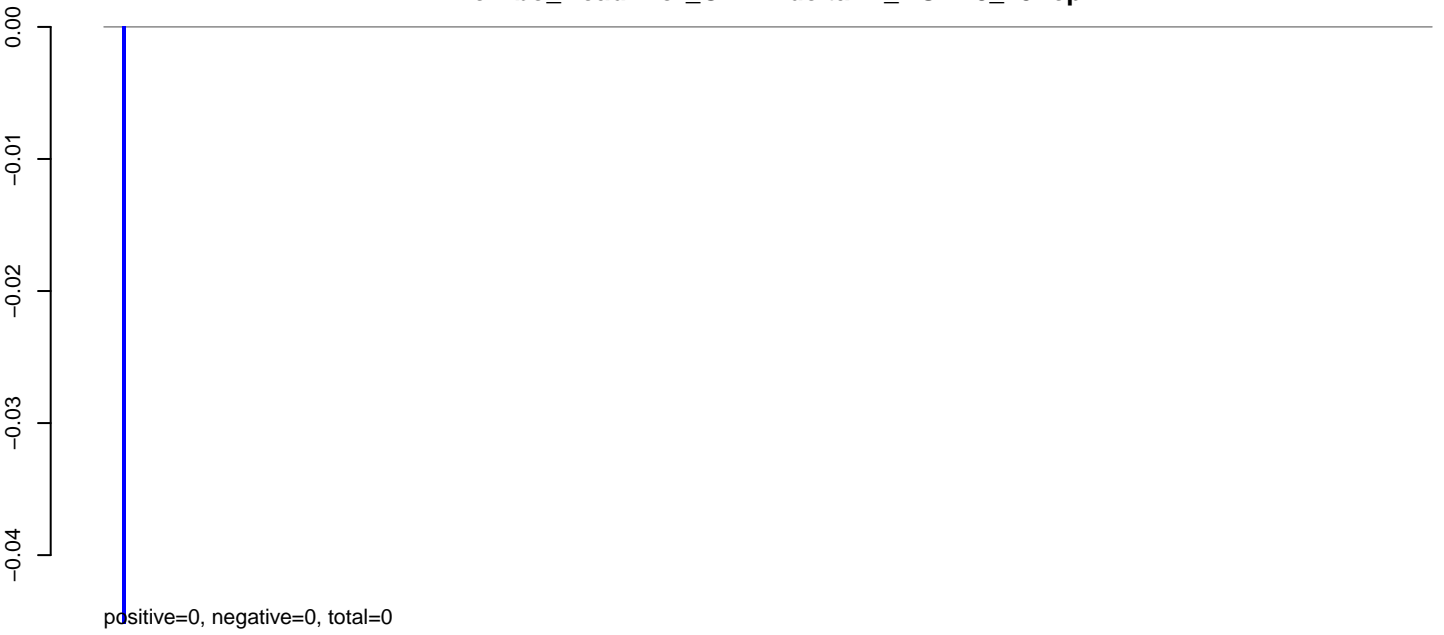
0.00  
-0.01  
-0.02  
-0.03  
-0.04

positive=0, negative=0, total=0

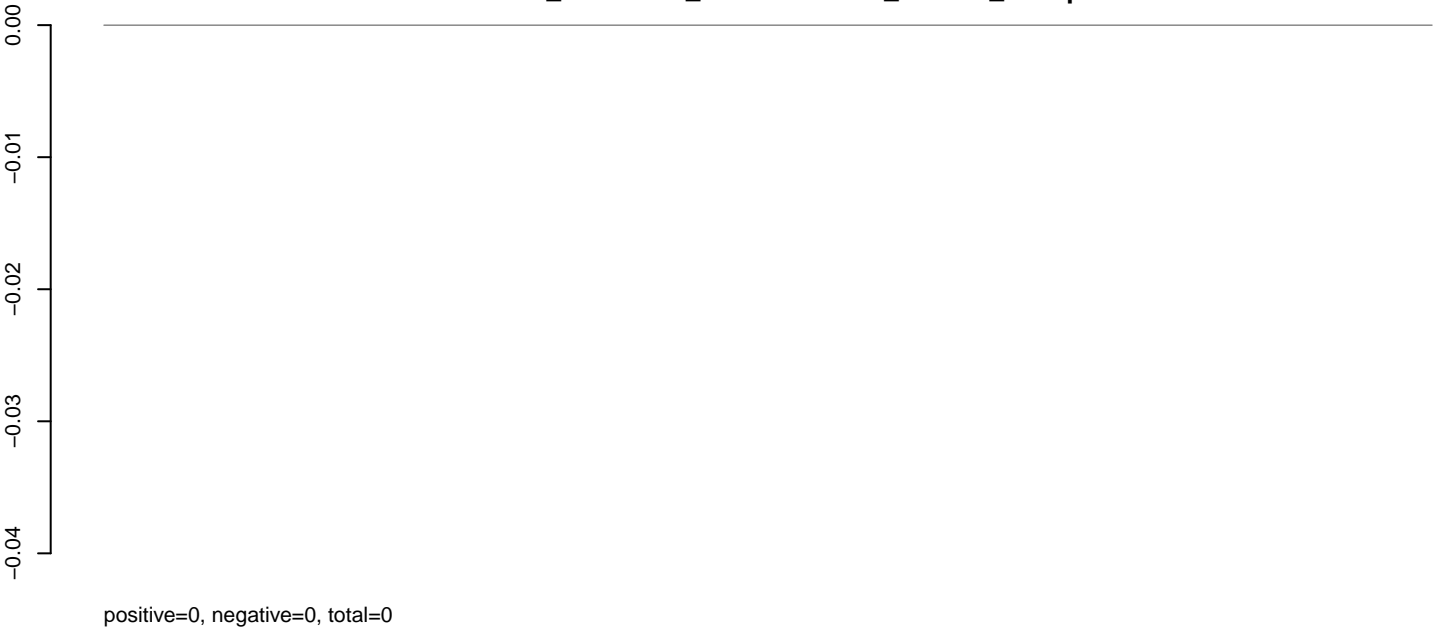
Window size=25, length=10865, virus@NC\_012671.1-Quang\_Binh\_virus:1-10865

0 2000 4000 6000 8000 10000

**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



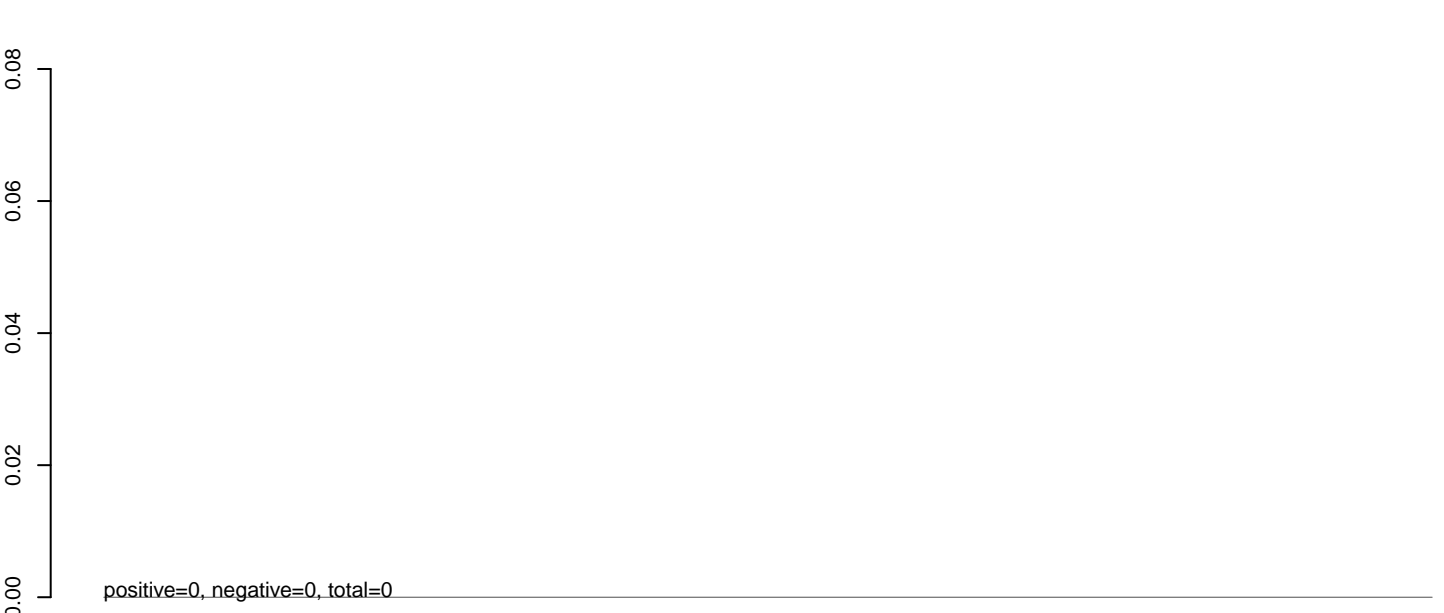
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



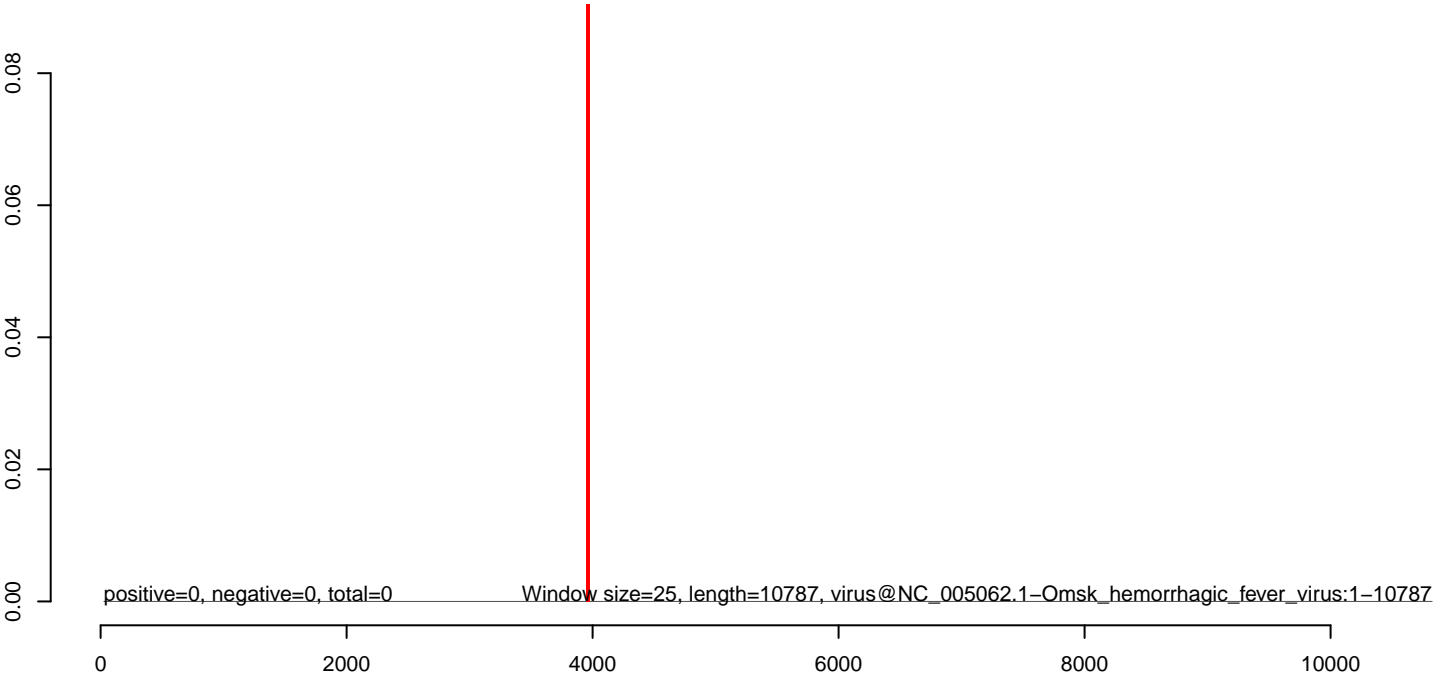
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



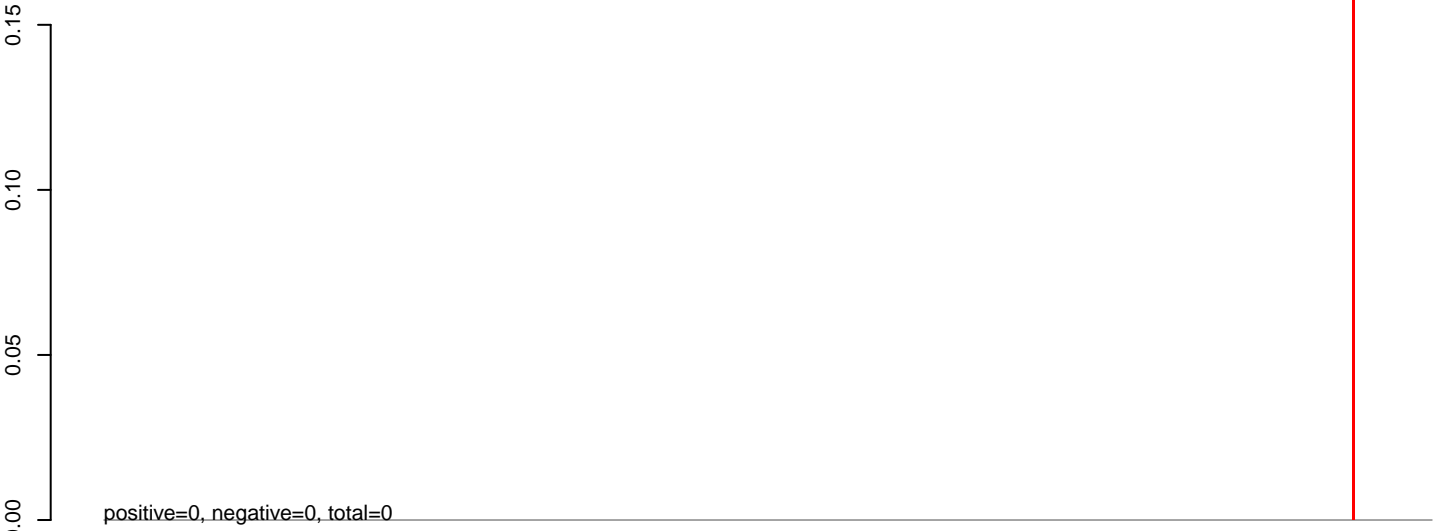
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



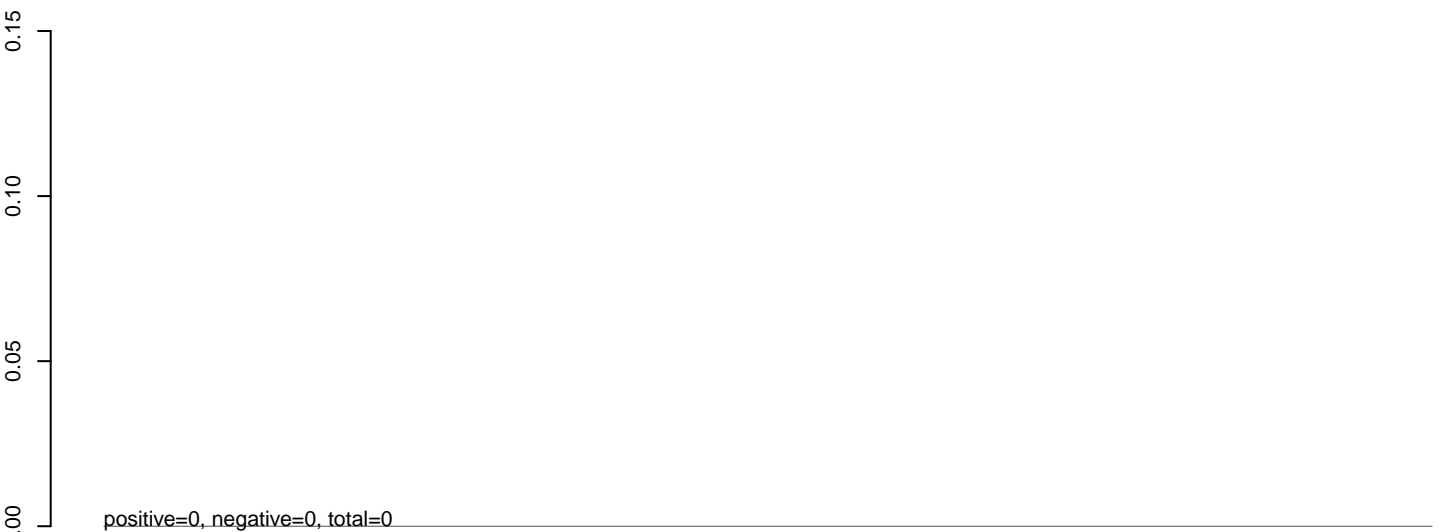
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep

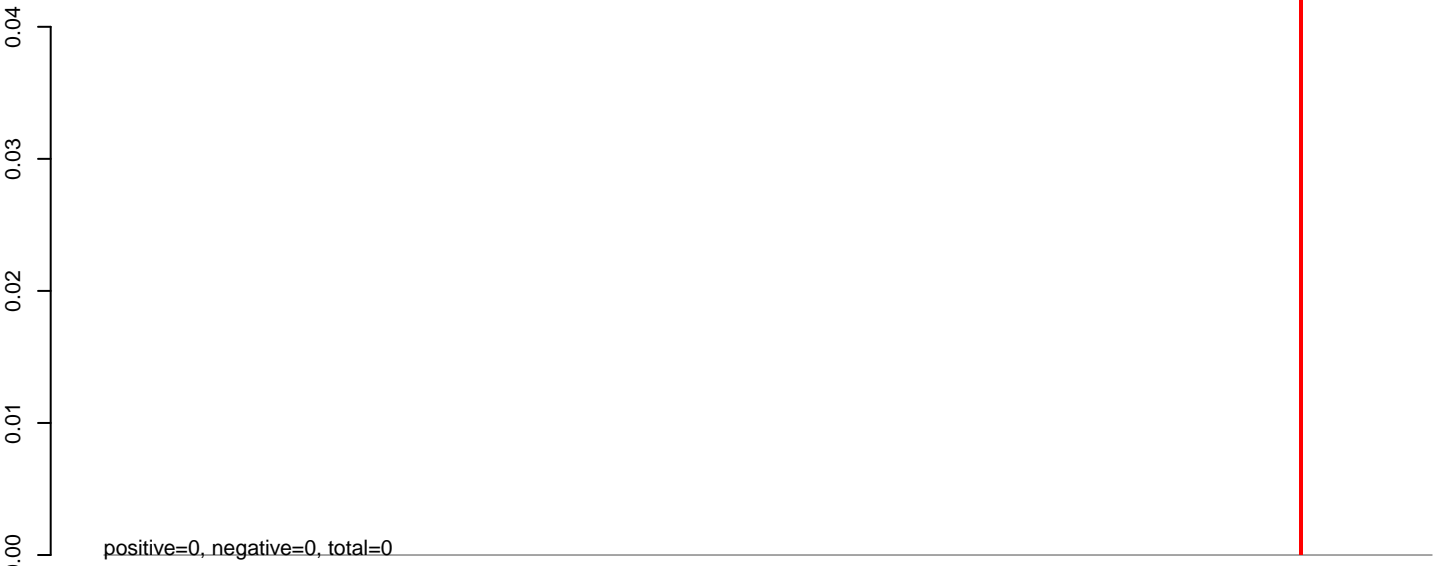


AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep

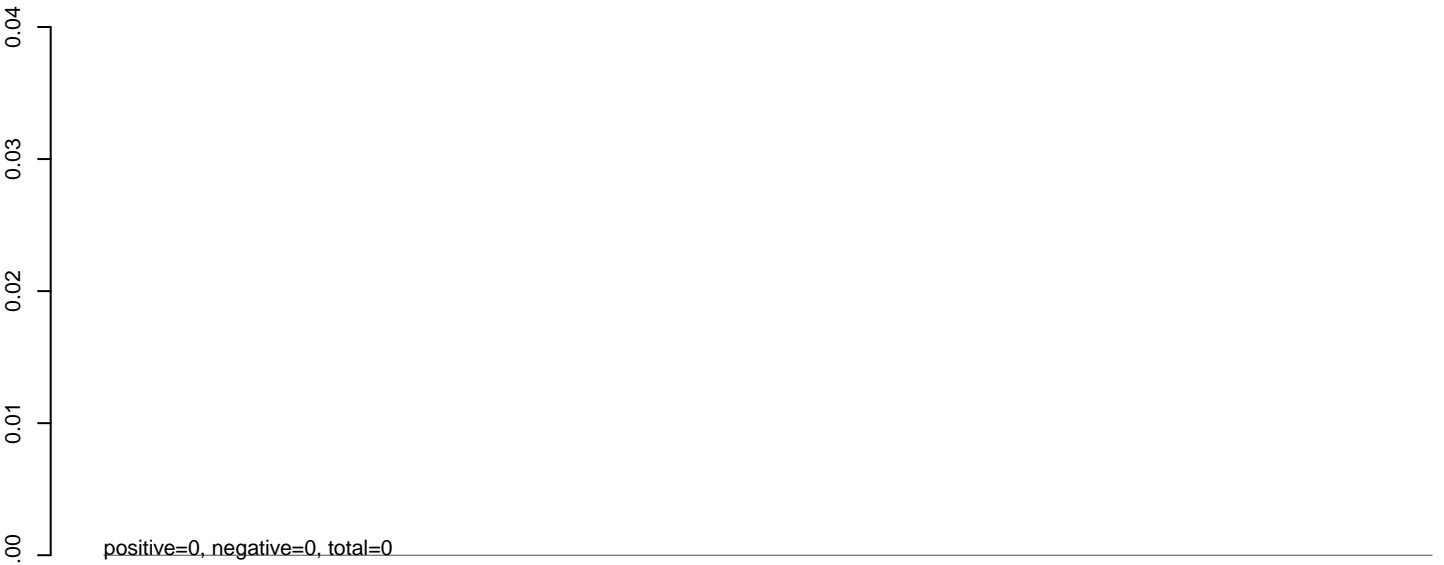




AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



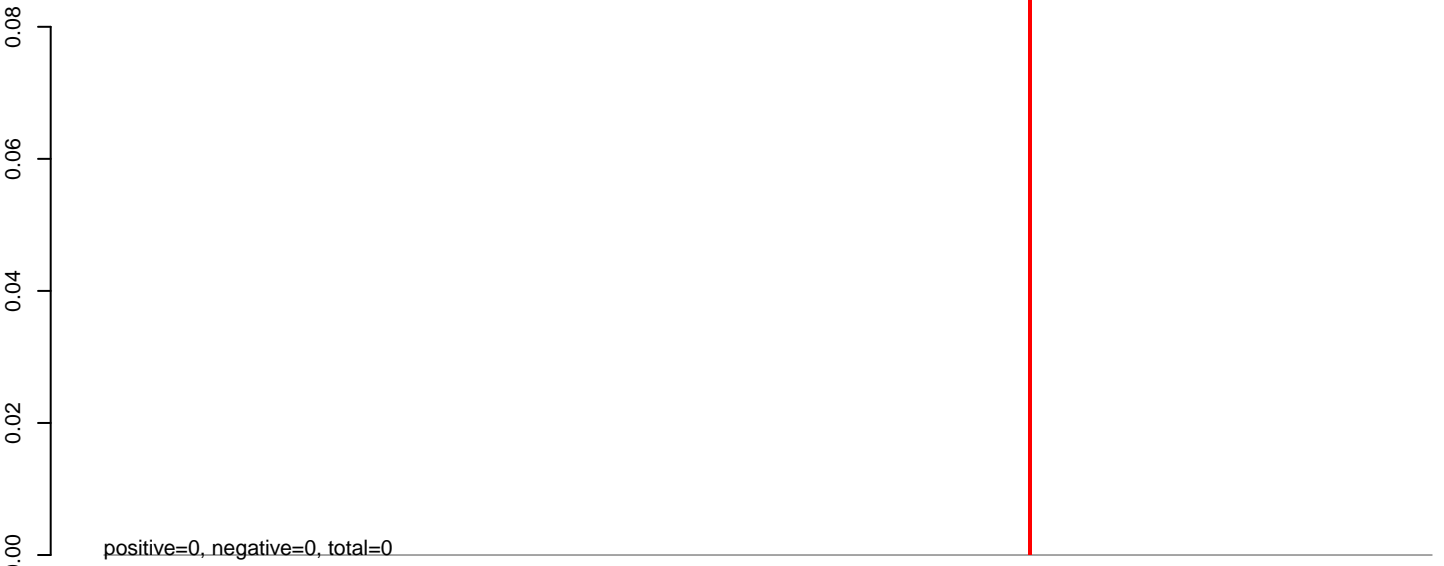
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep



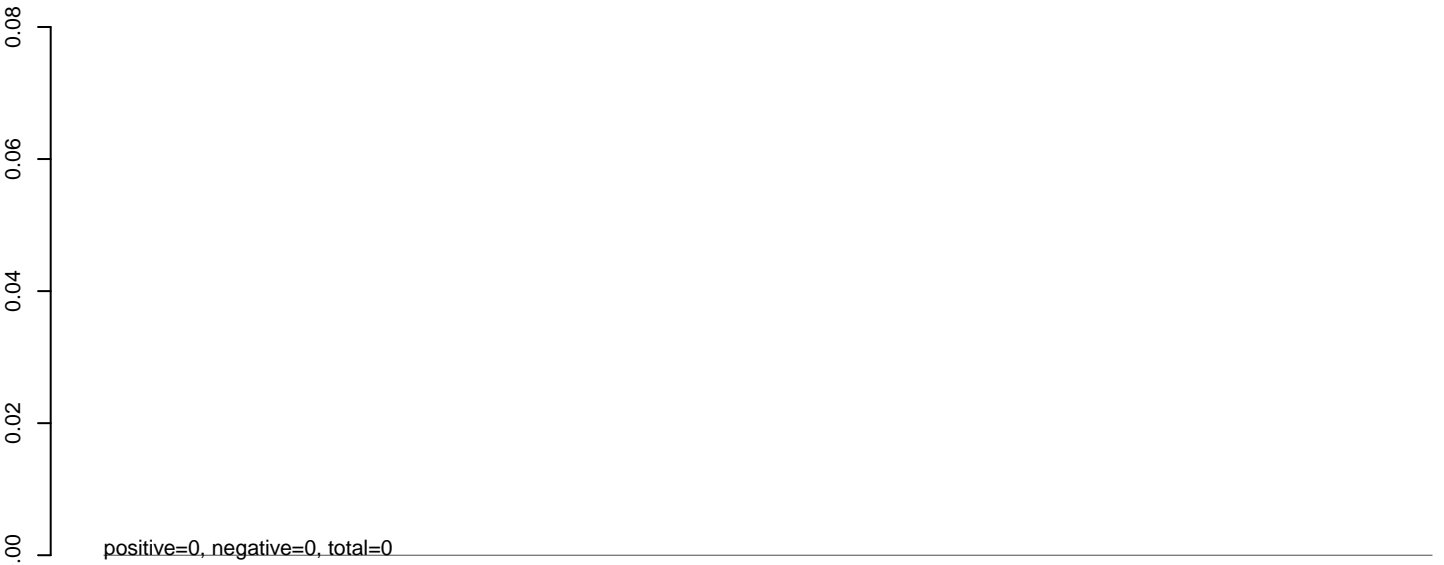
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep



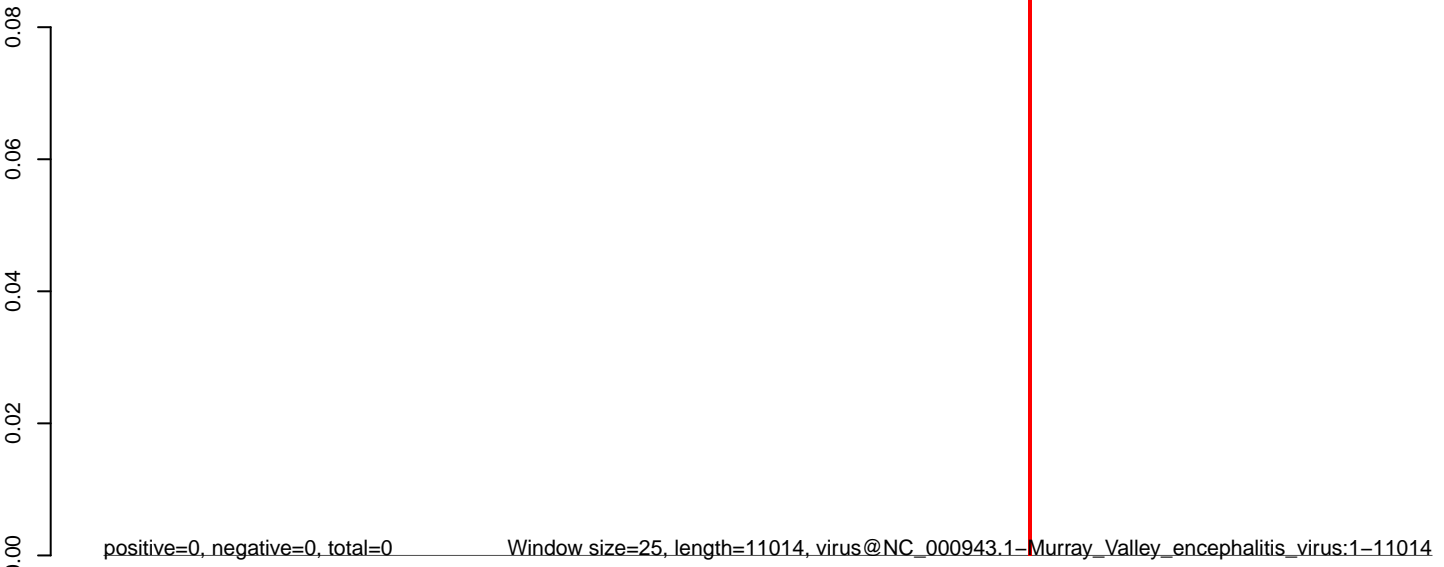
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



0 2000 4000 6000 8000 10000

AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep

0.00  
-0.01  
-0.02  
-0.03  
-0.04

positive=0, negative=0, total=0

AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep

0.00  
-0.01  
-0.02  
-0.03  
-0.04

positive=0, negative=0, total=0

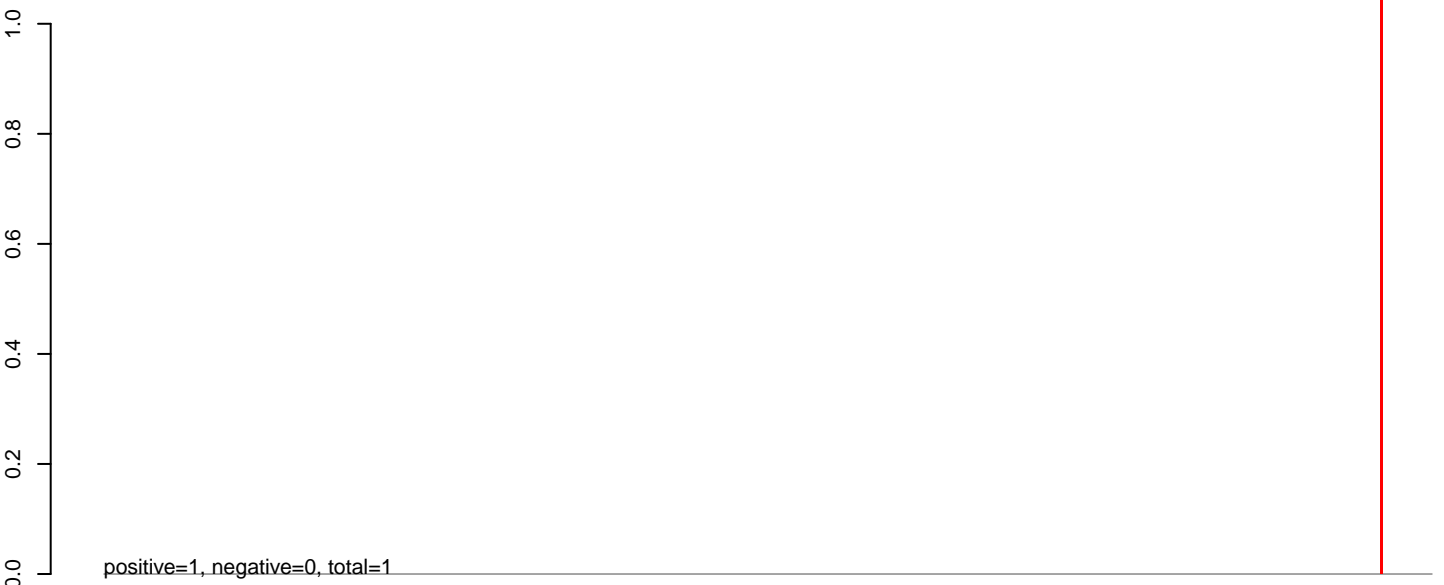
AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep

0.00  
-0.01  
-0.02  
-0.03  
-0.04

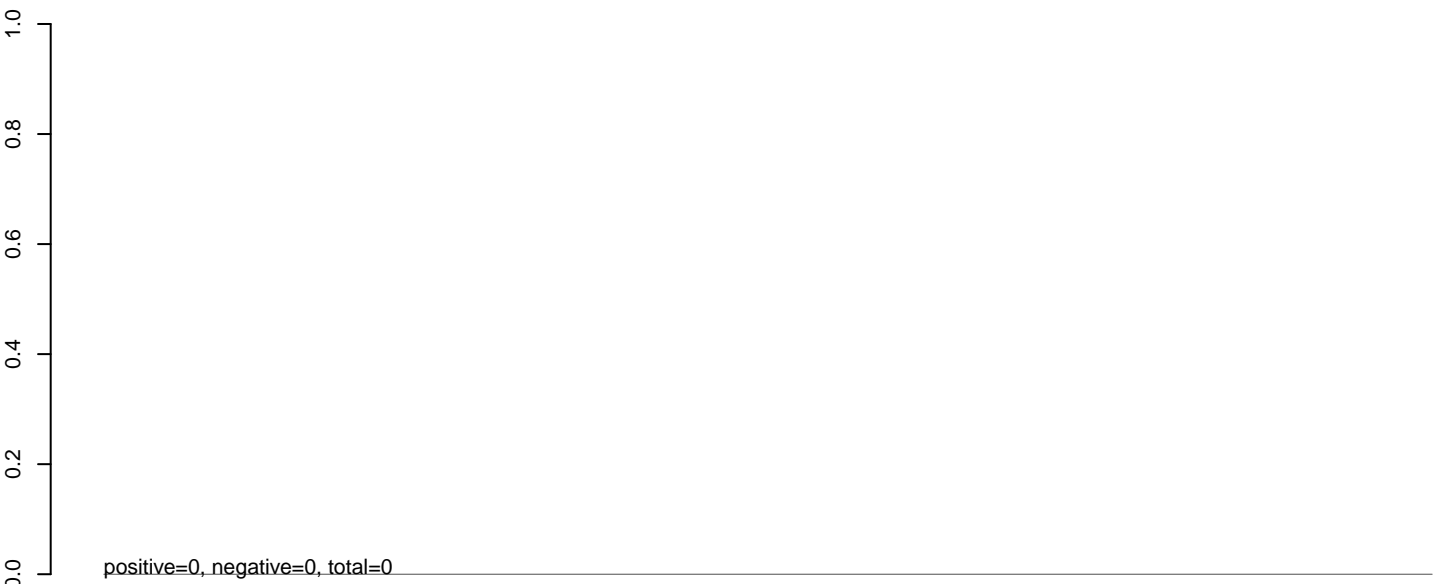
Window size=25, length=3937, virus@MH550148.1-Aedes\_albopictus\_densovirus\_isolate\_NC01\_L3\_1\_trimmed\_contig\_5889-RC:1-3937

0 1000 2000 3000 4000

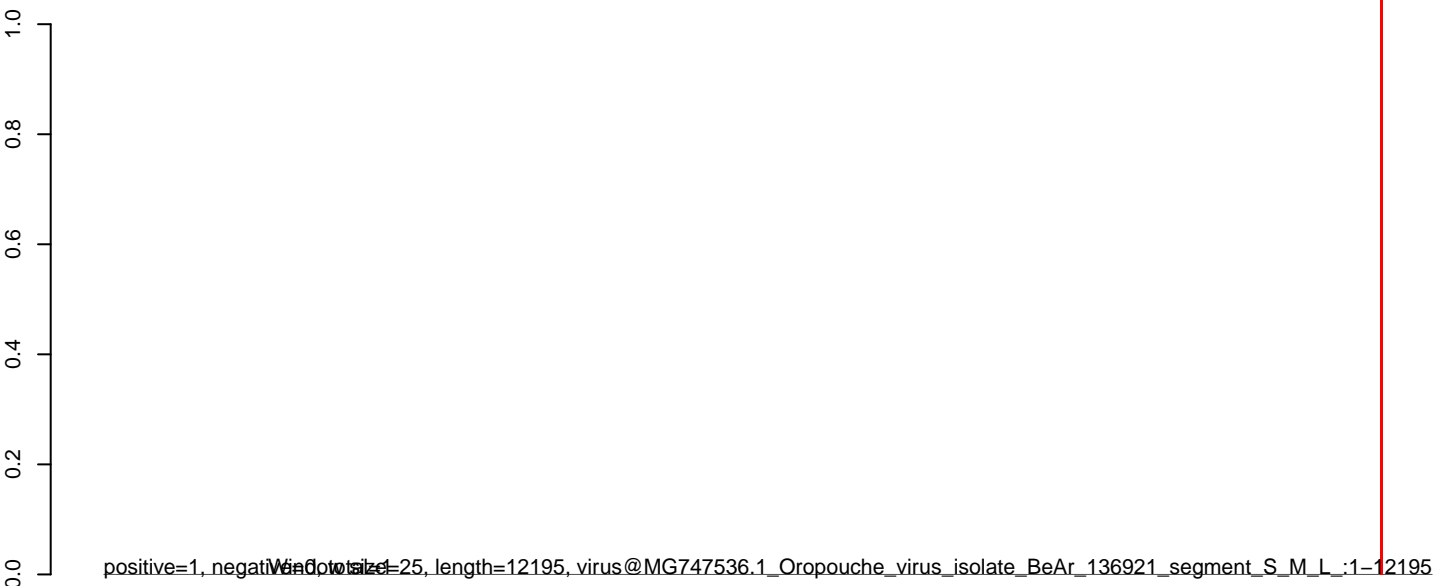
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



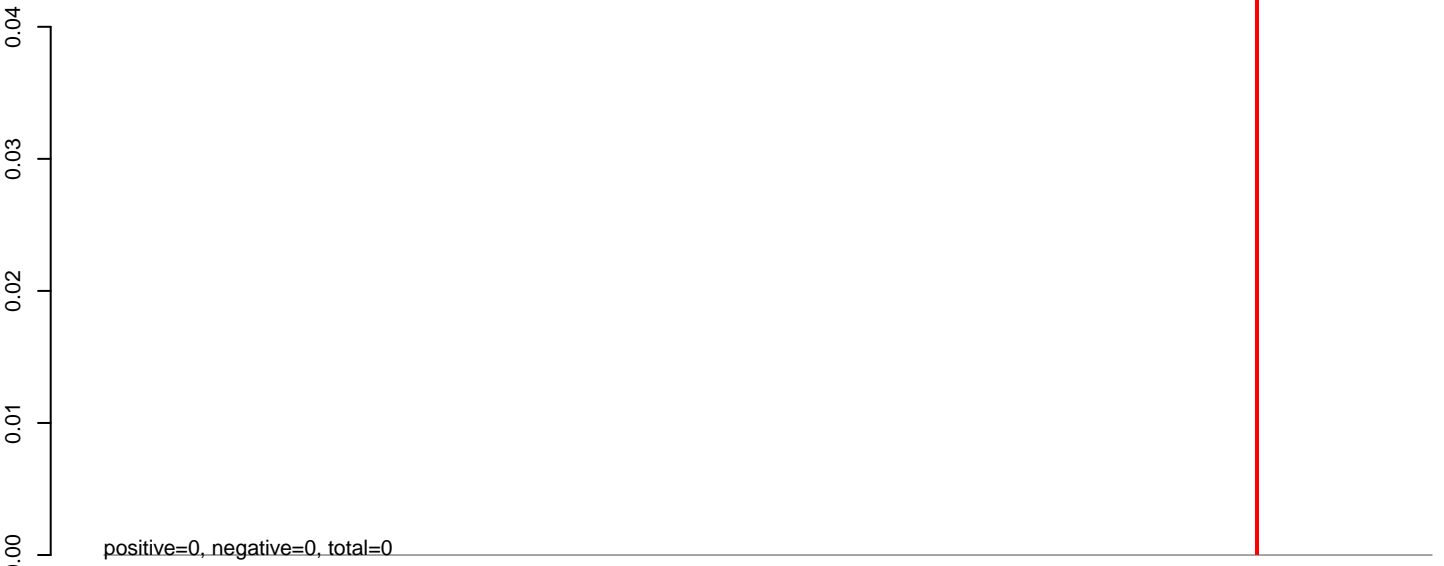
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



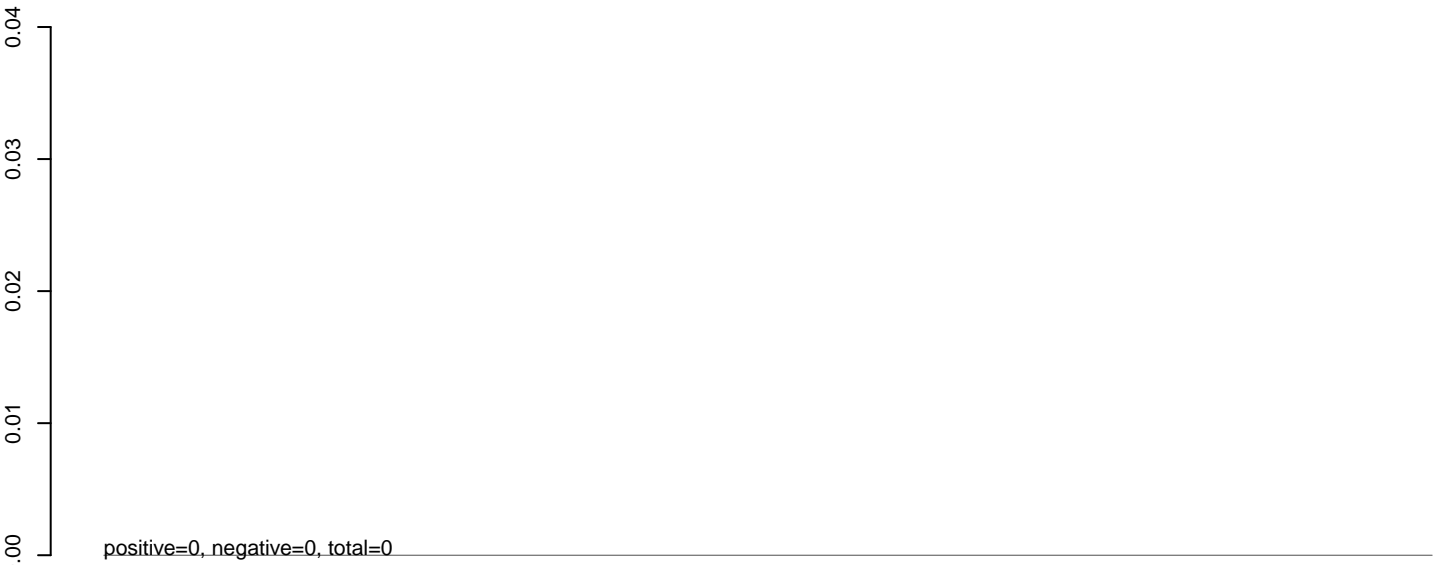
Window size=25, length=12195, virus@MG747536.1\_Oropouche\_virus\_isolate\_BeAr\_136921\_segment\_S\_M\_L :1-12195

0 2000 4000 6000 8000 10000 12000

AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep



AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep

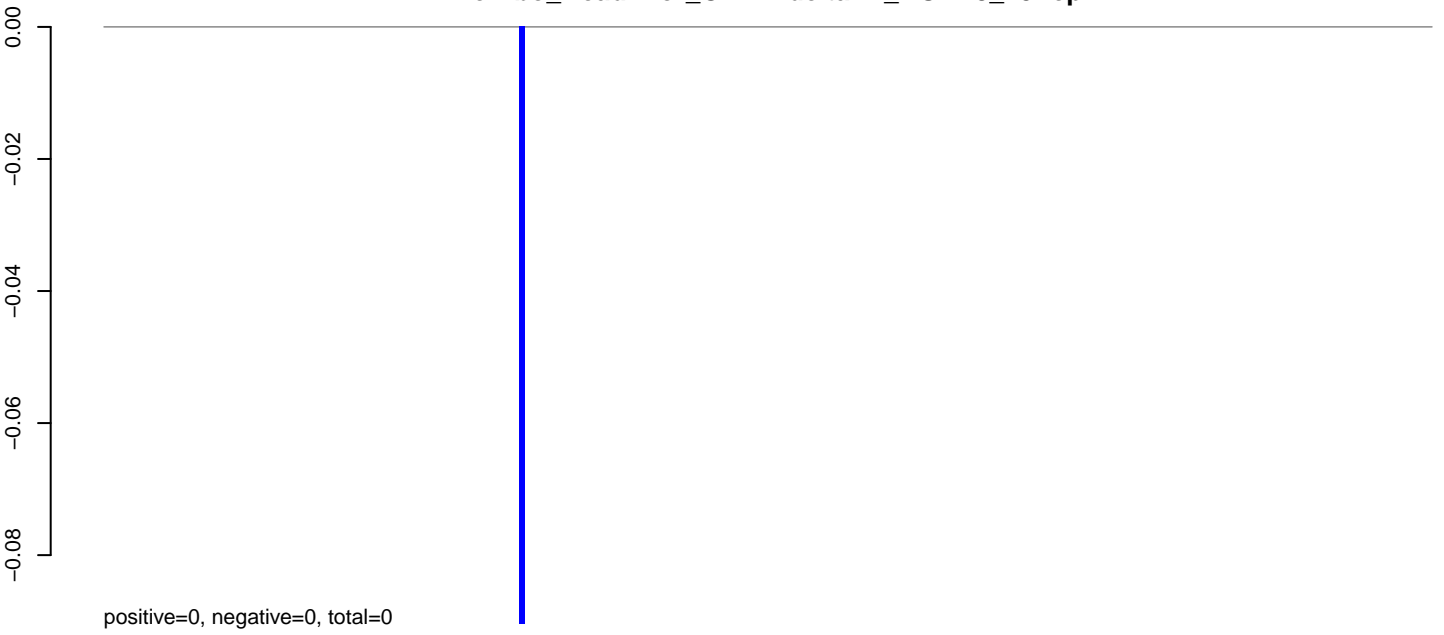


AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep

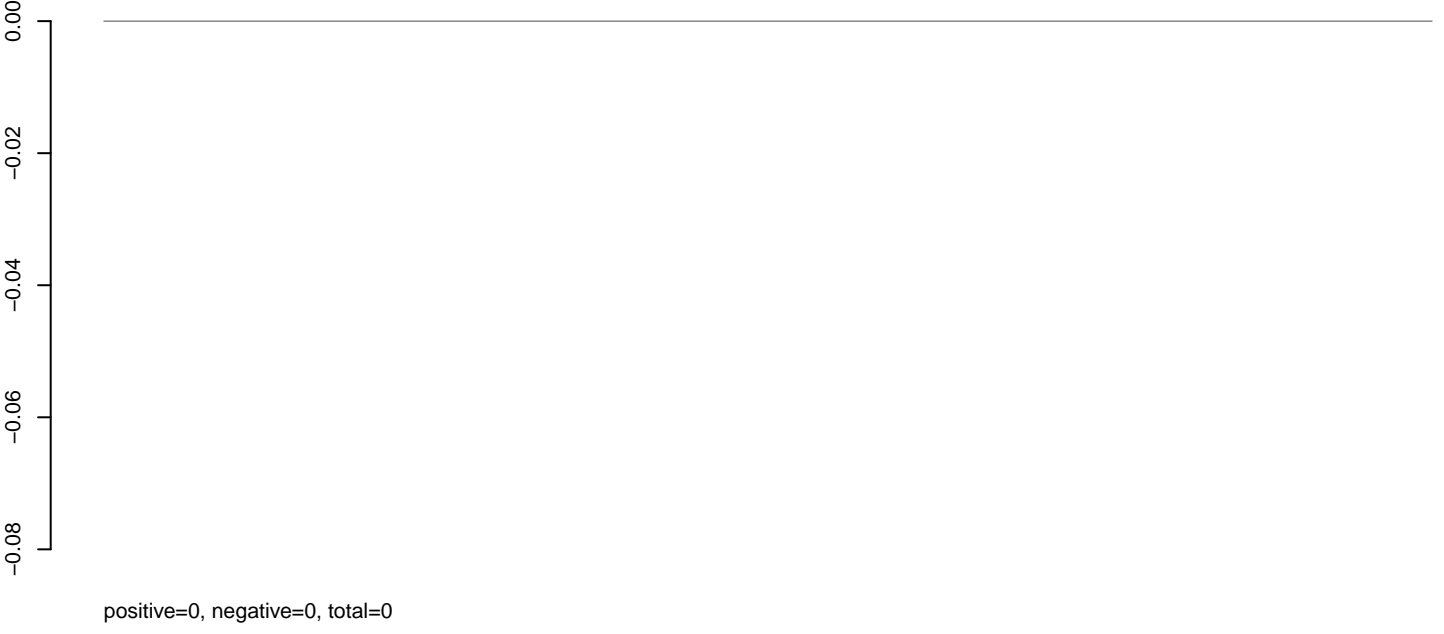


0 2000 4000 6000 8000

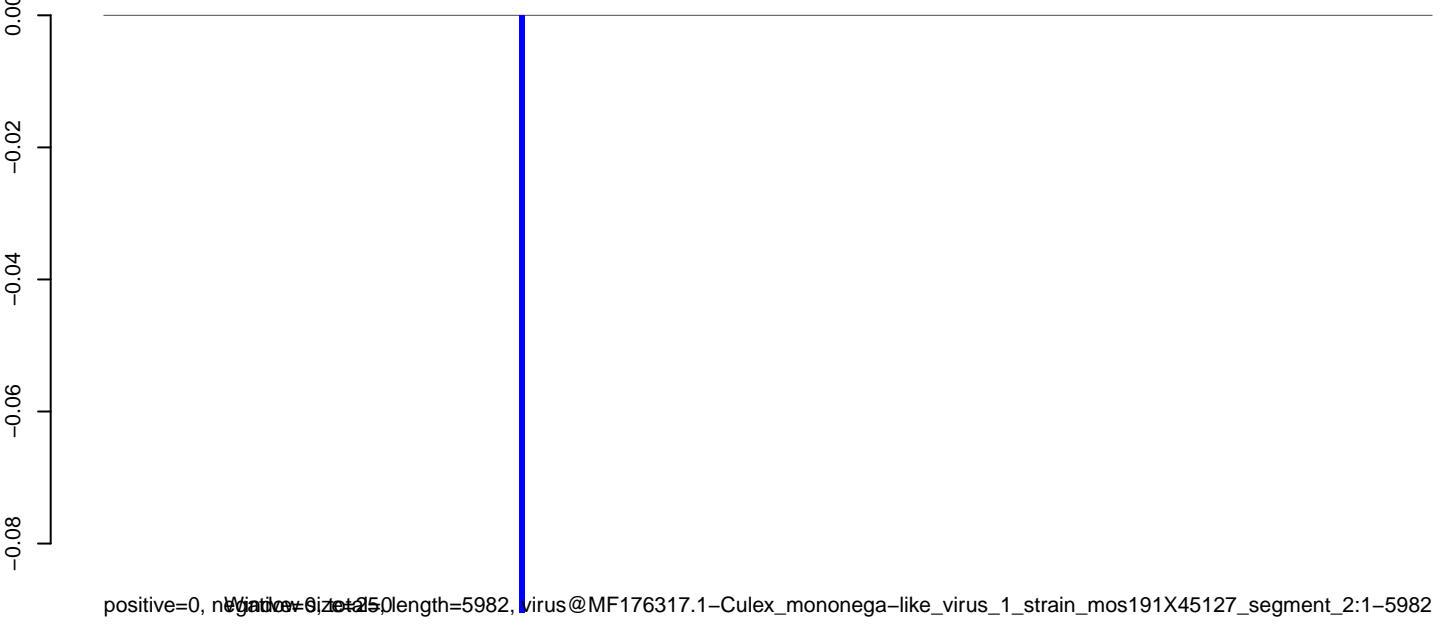
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



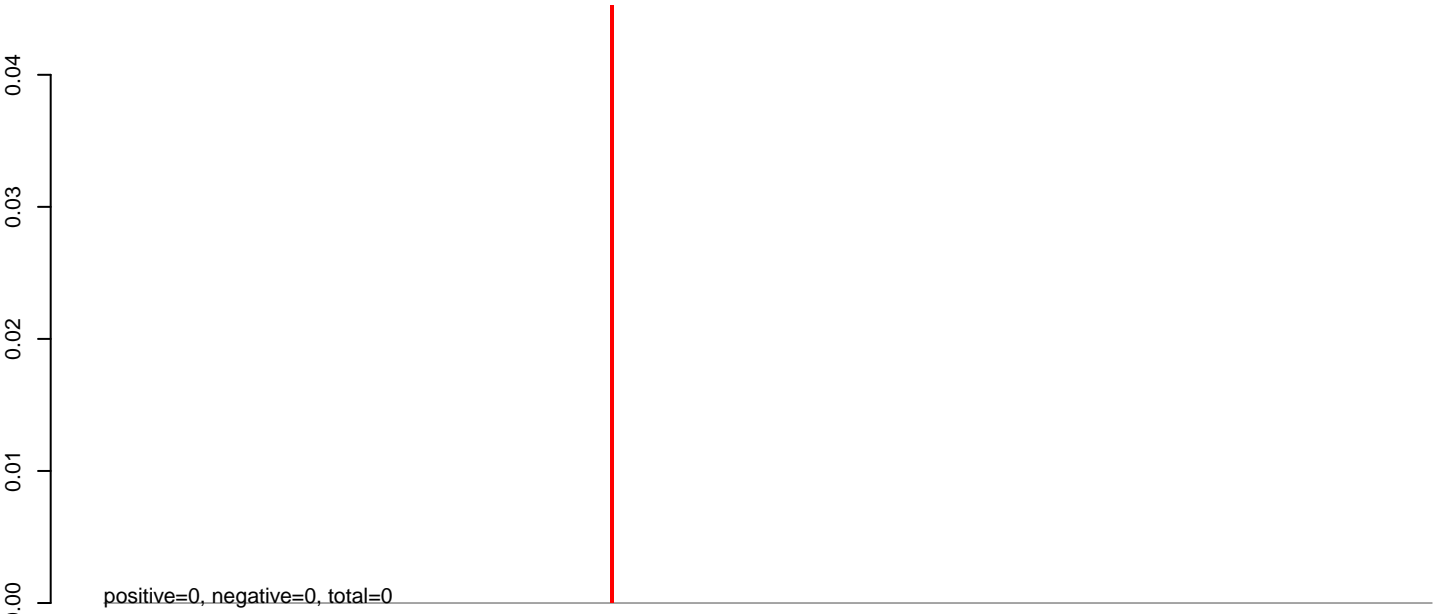
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



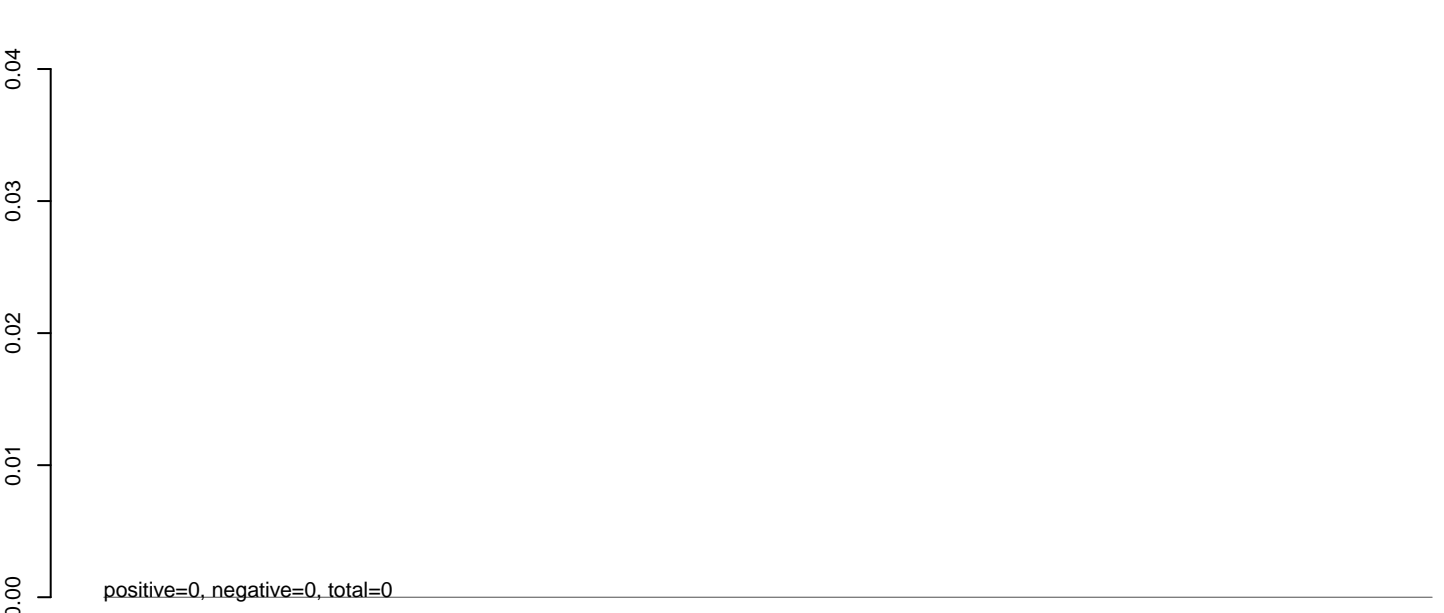
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



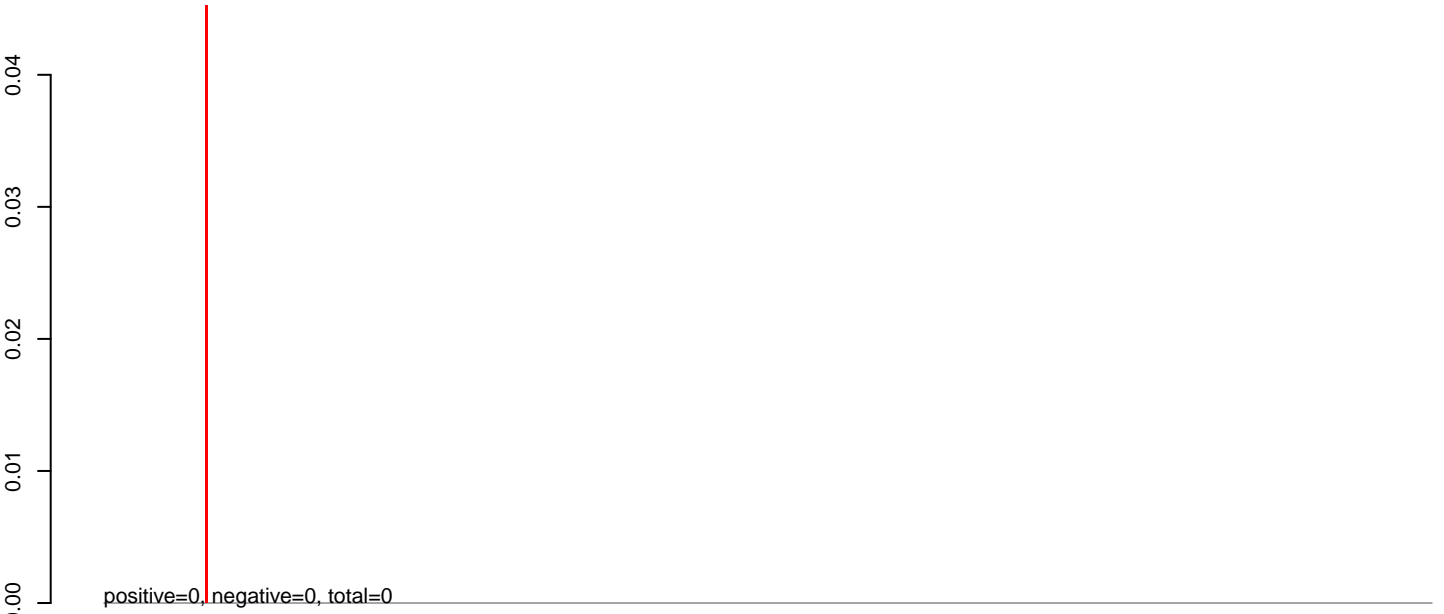
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



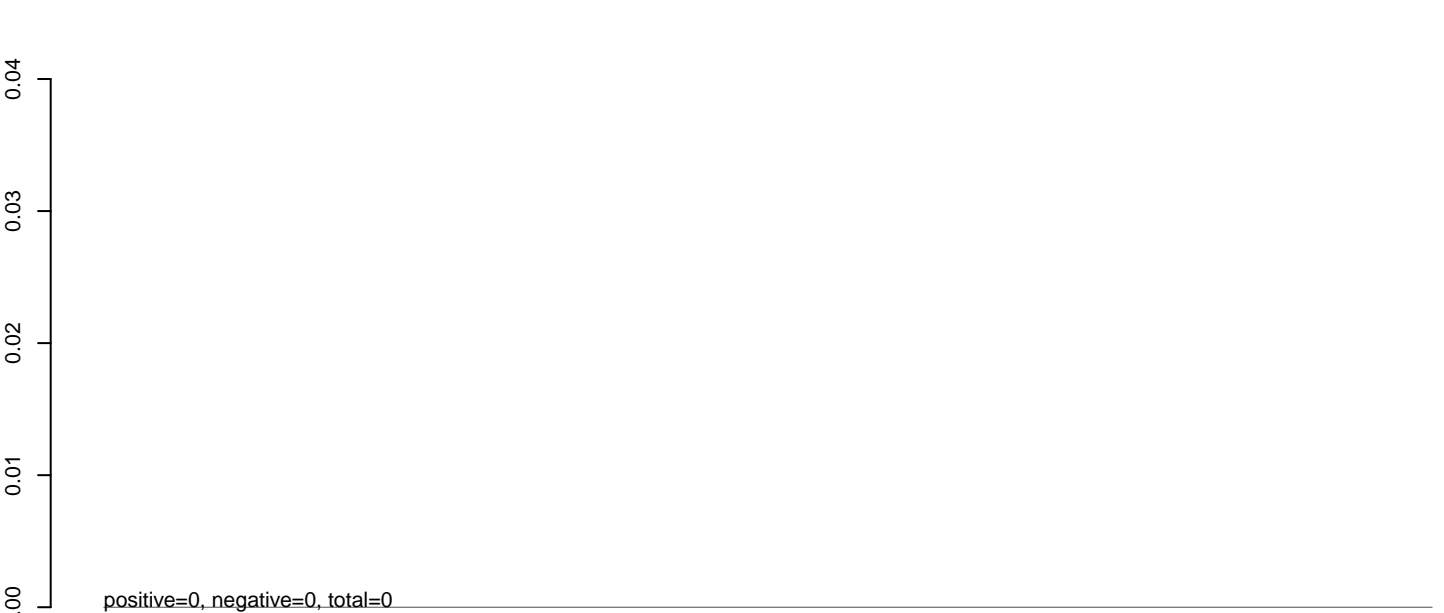
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



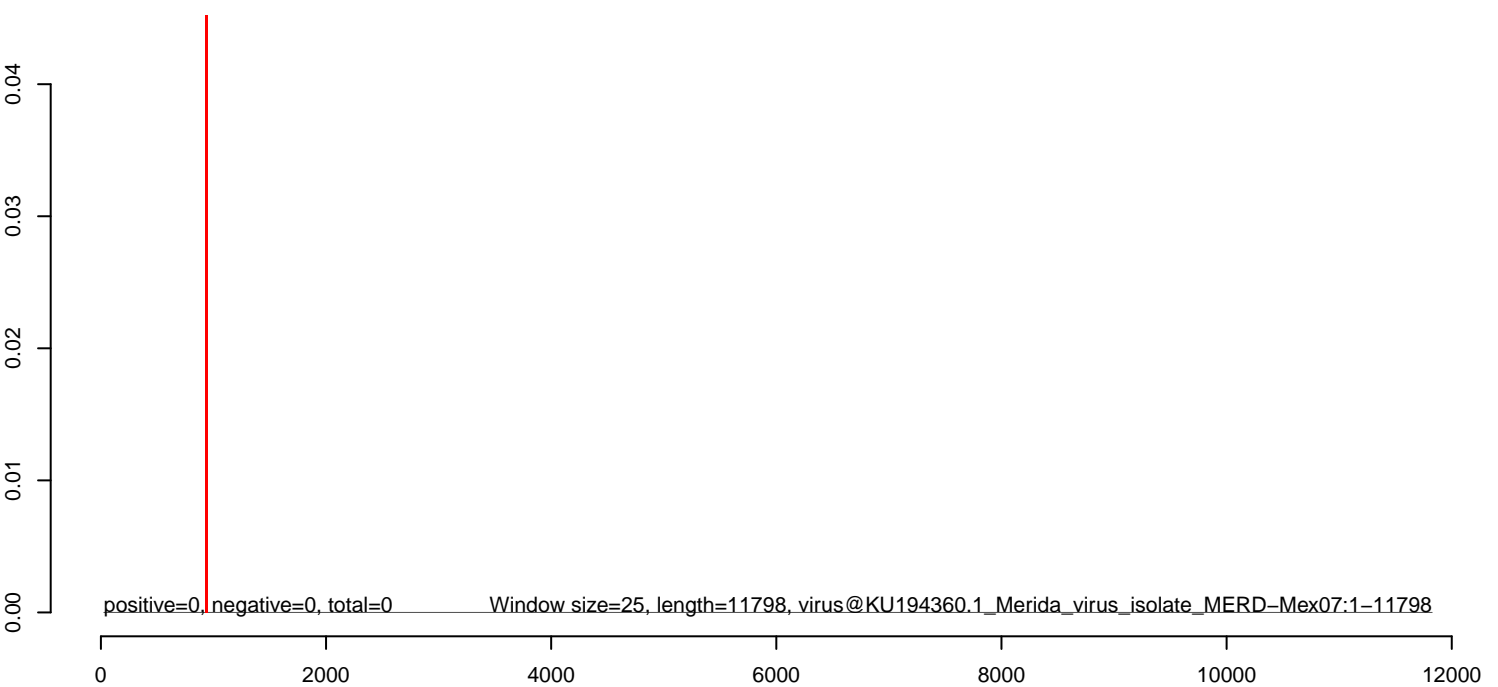
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**

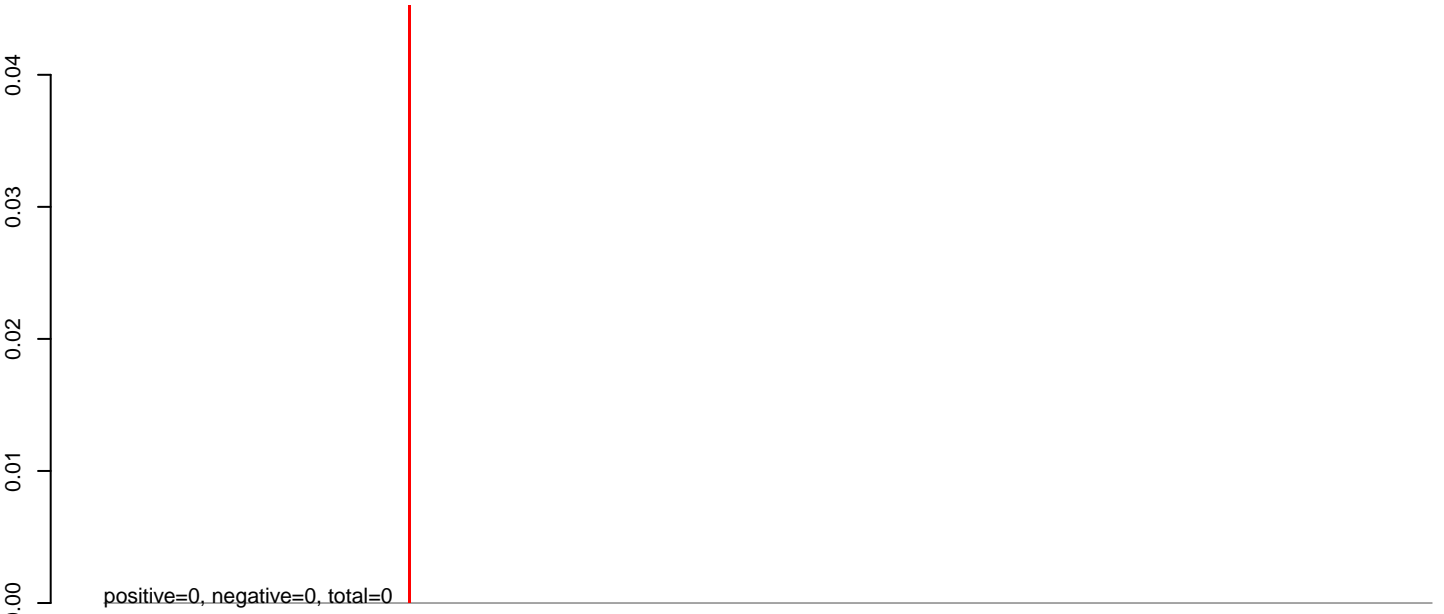


**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**

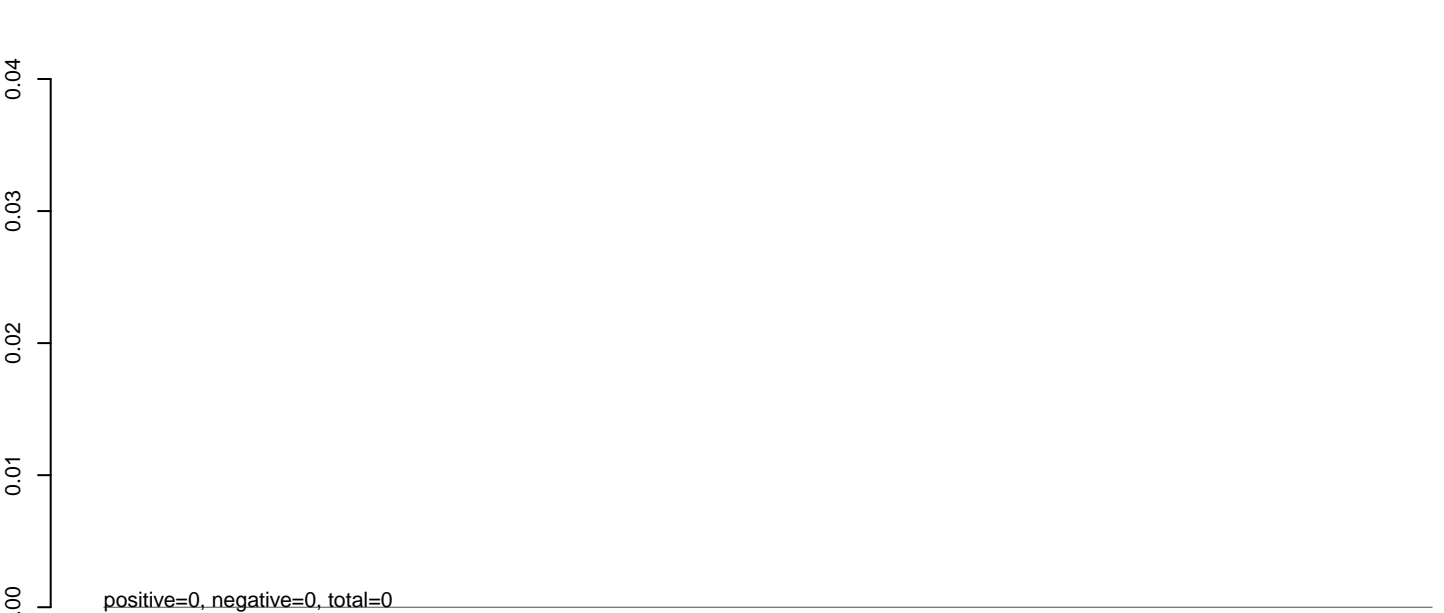




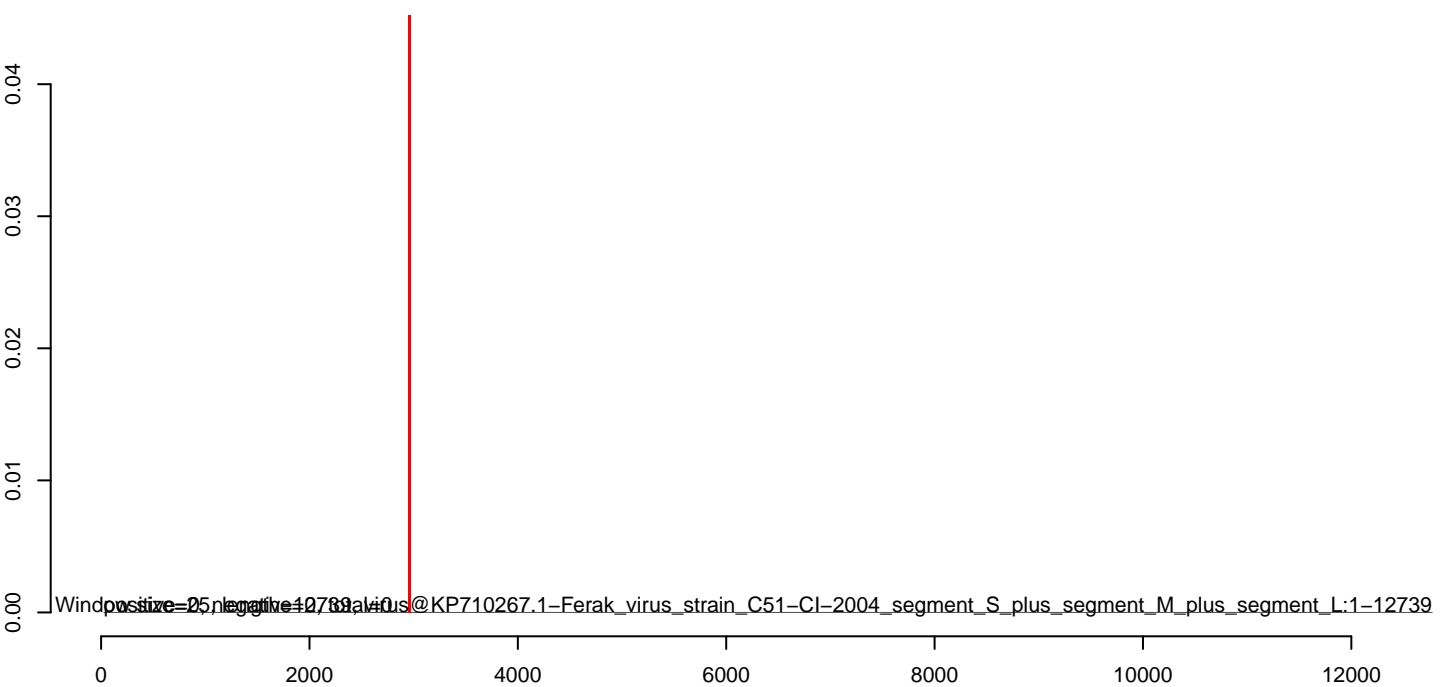
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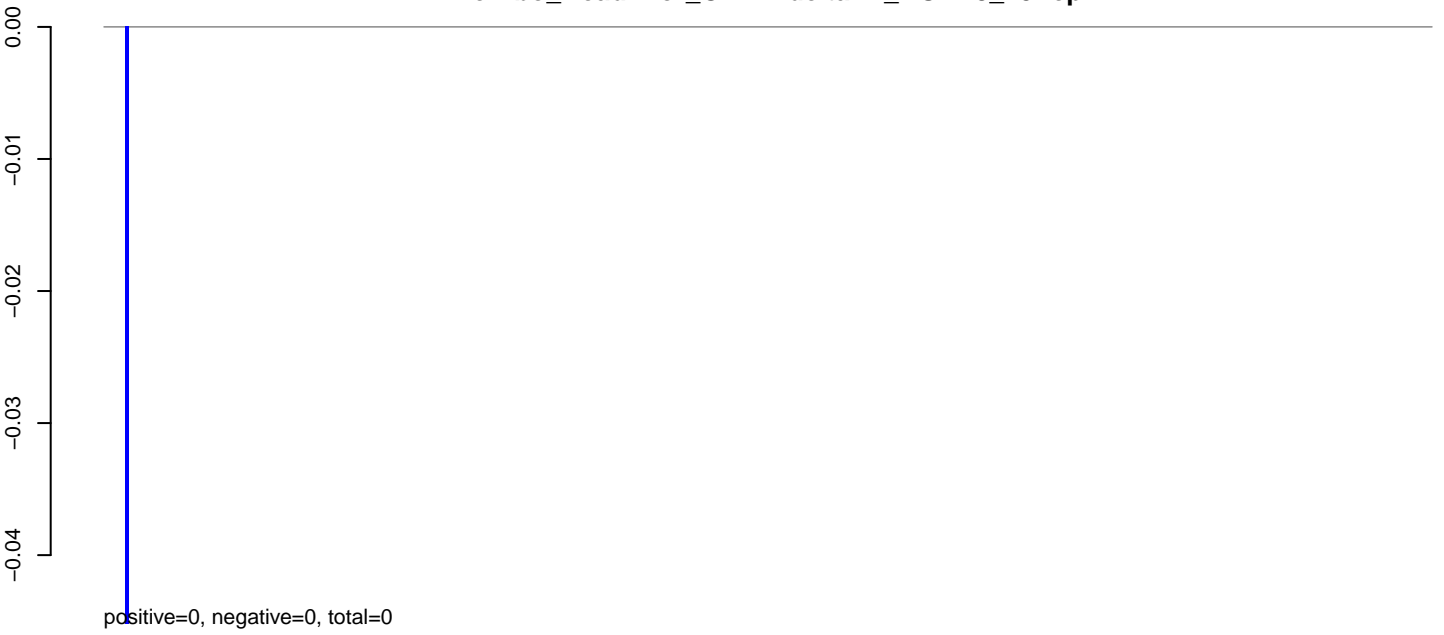
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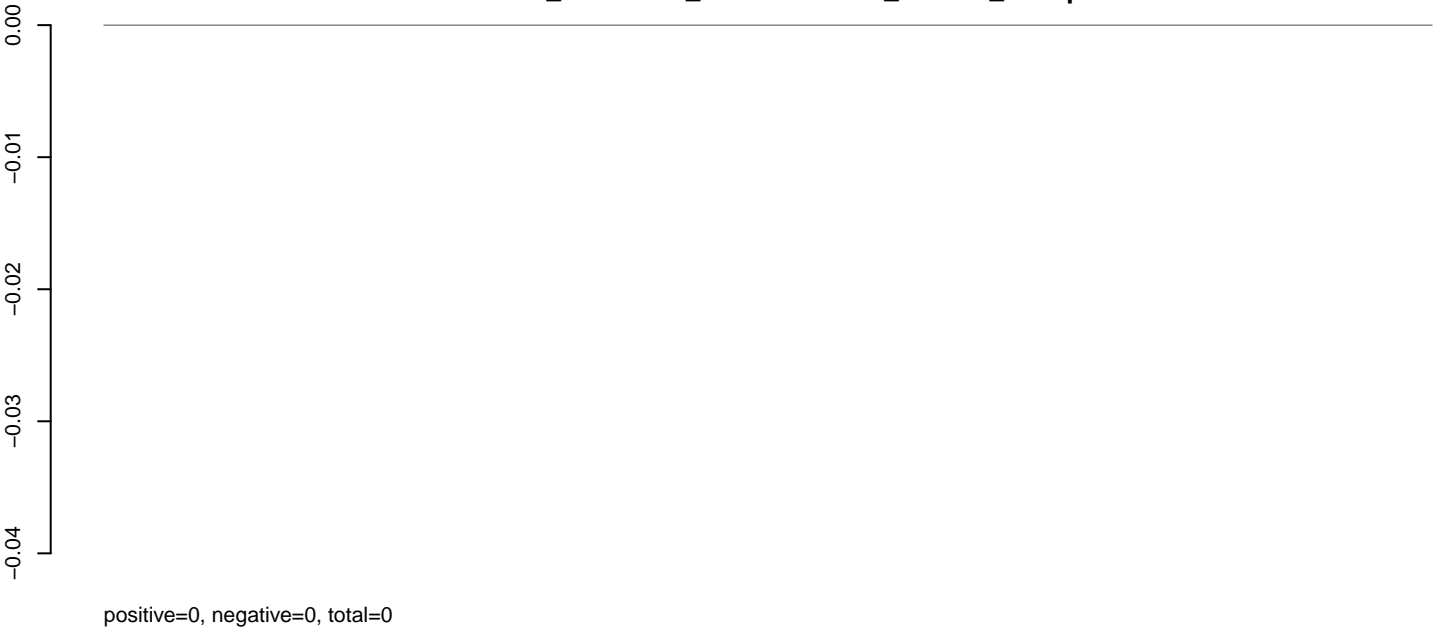
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



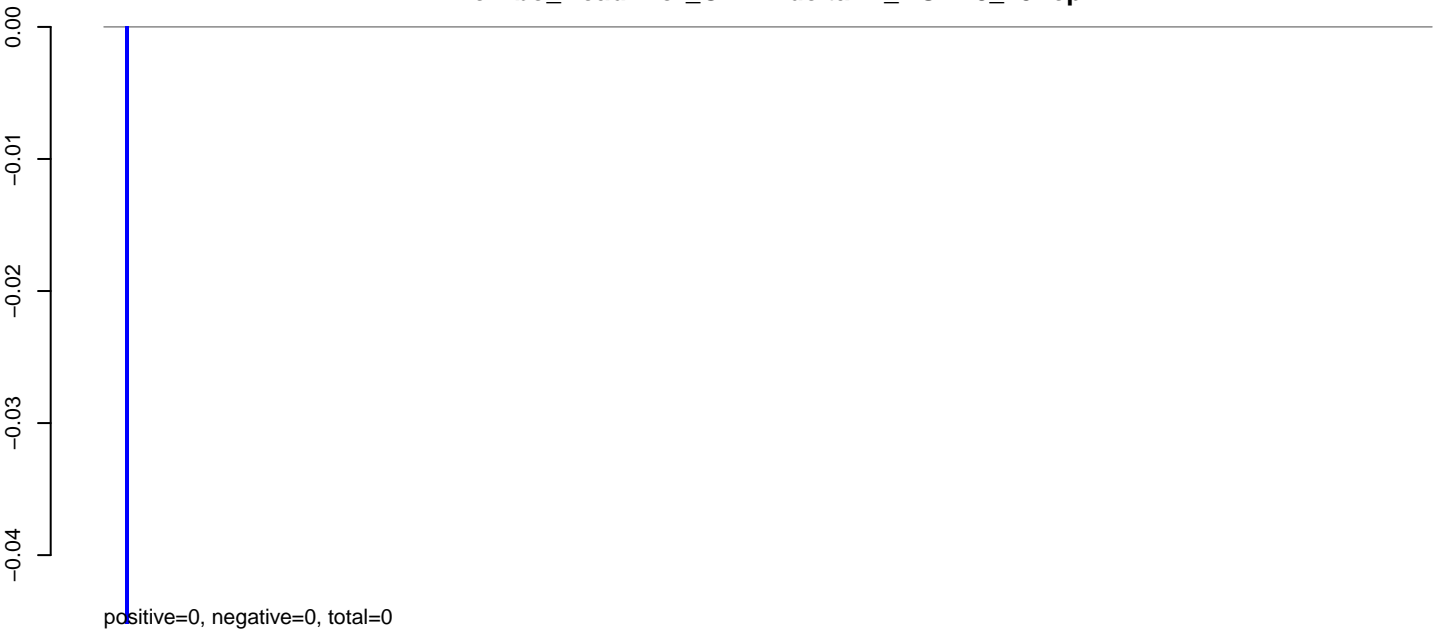
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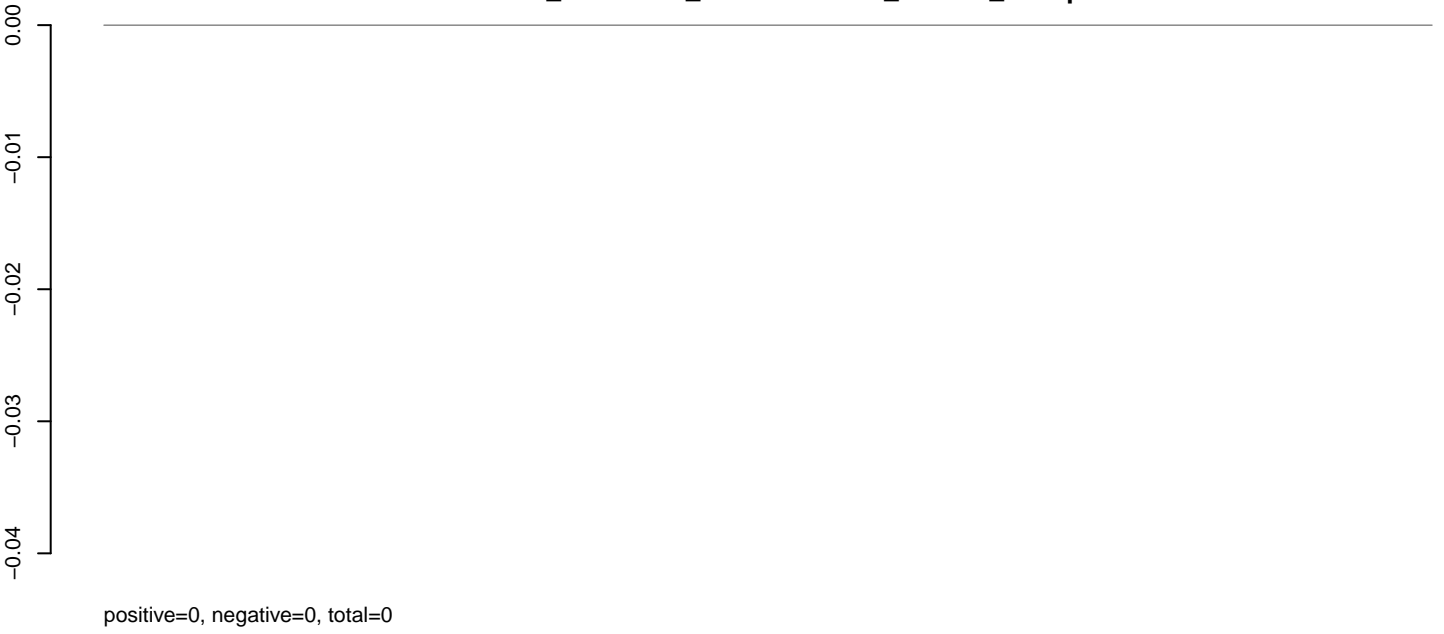
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



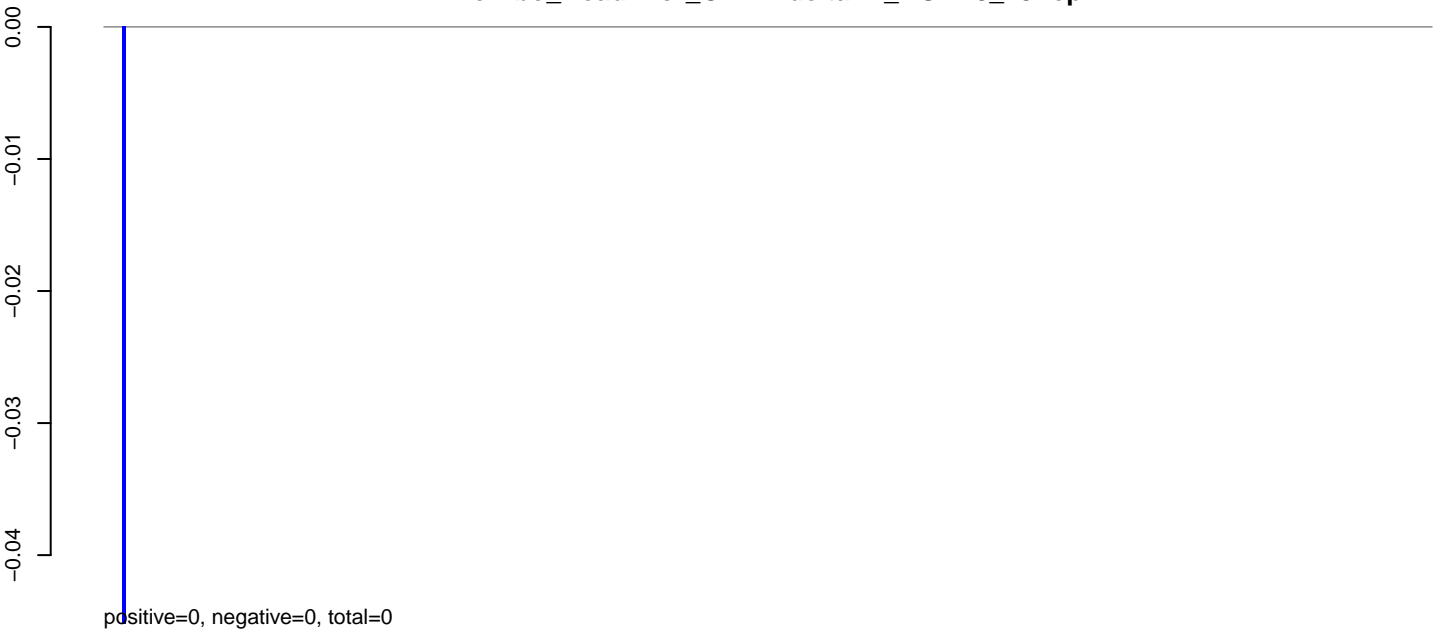
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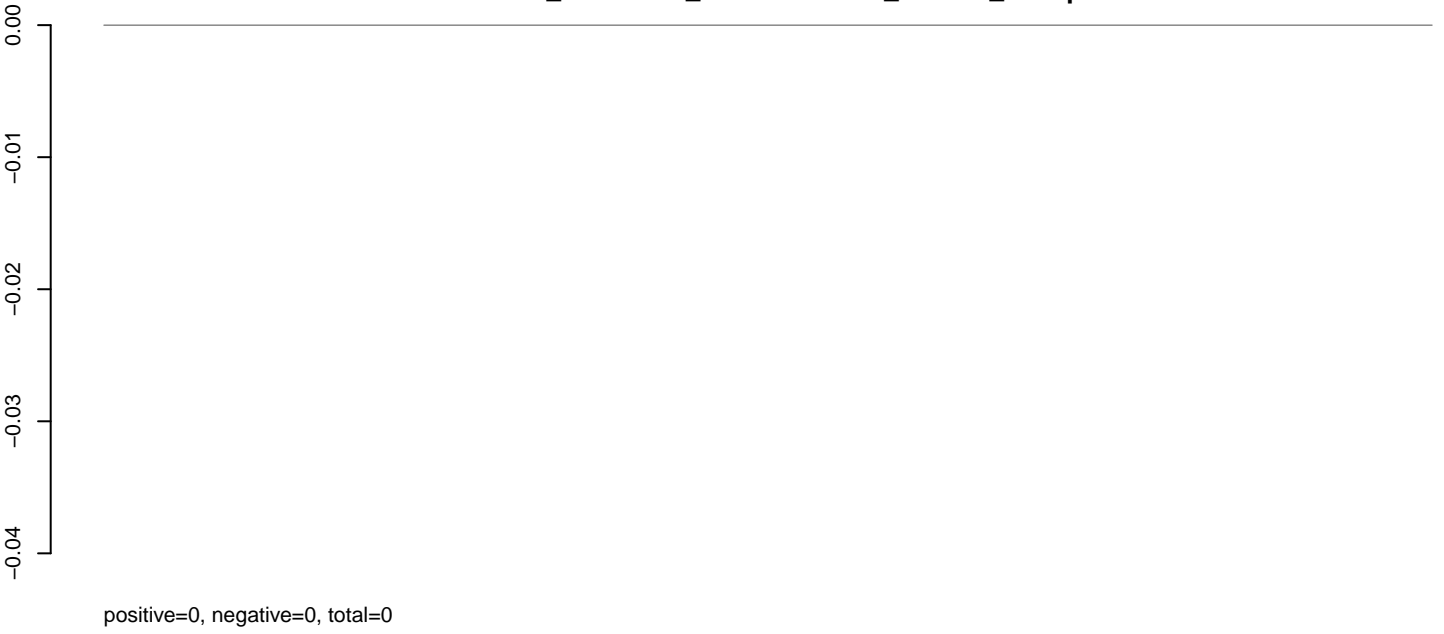
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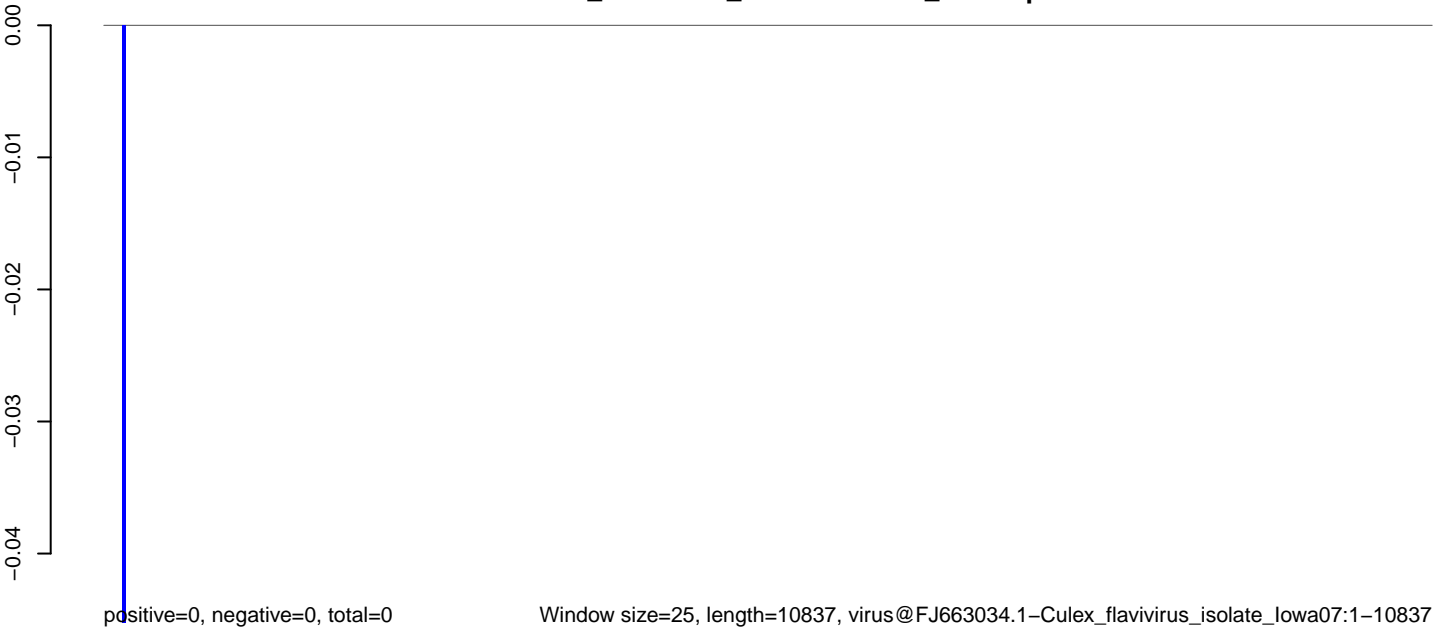
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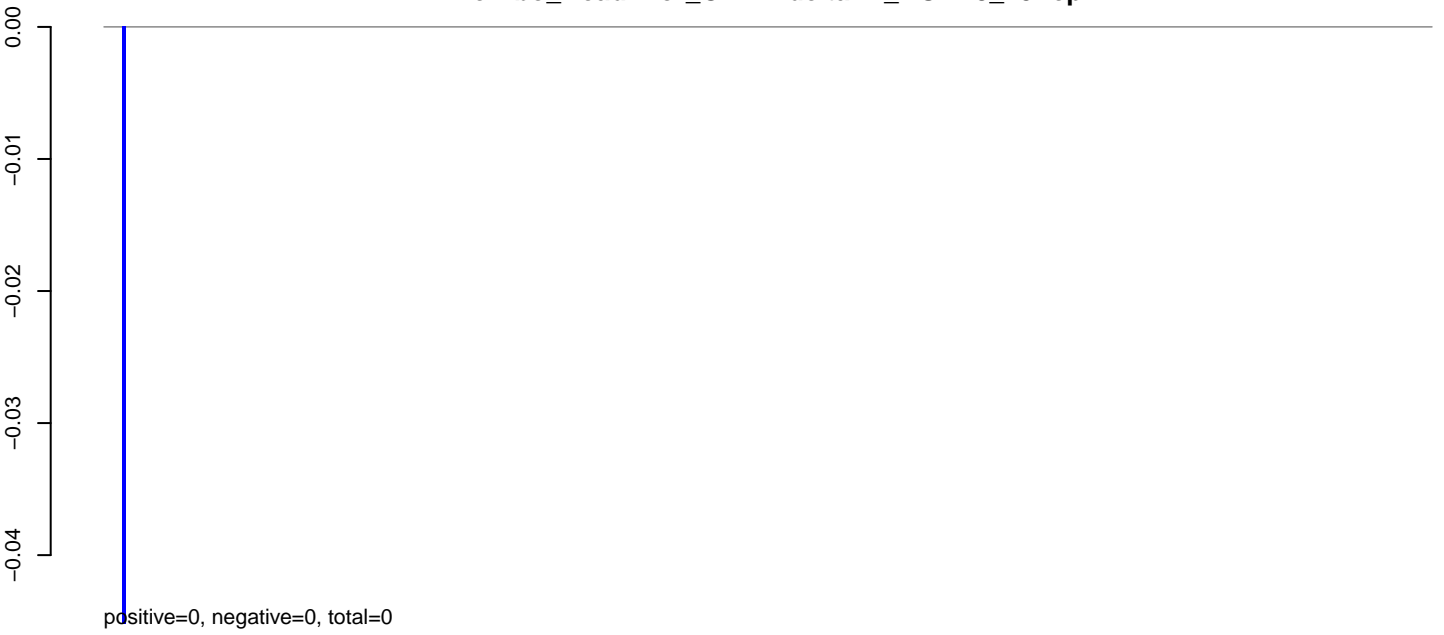
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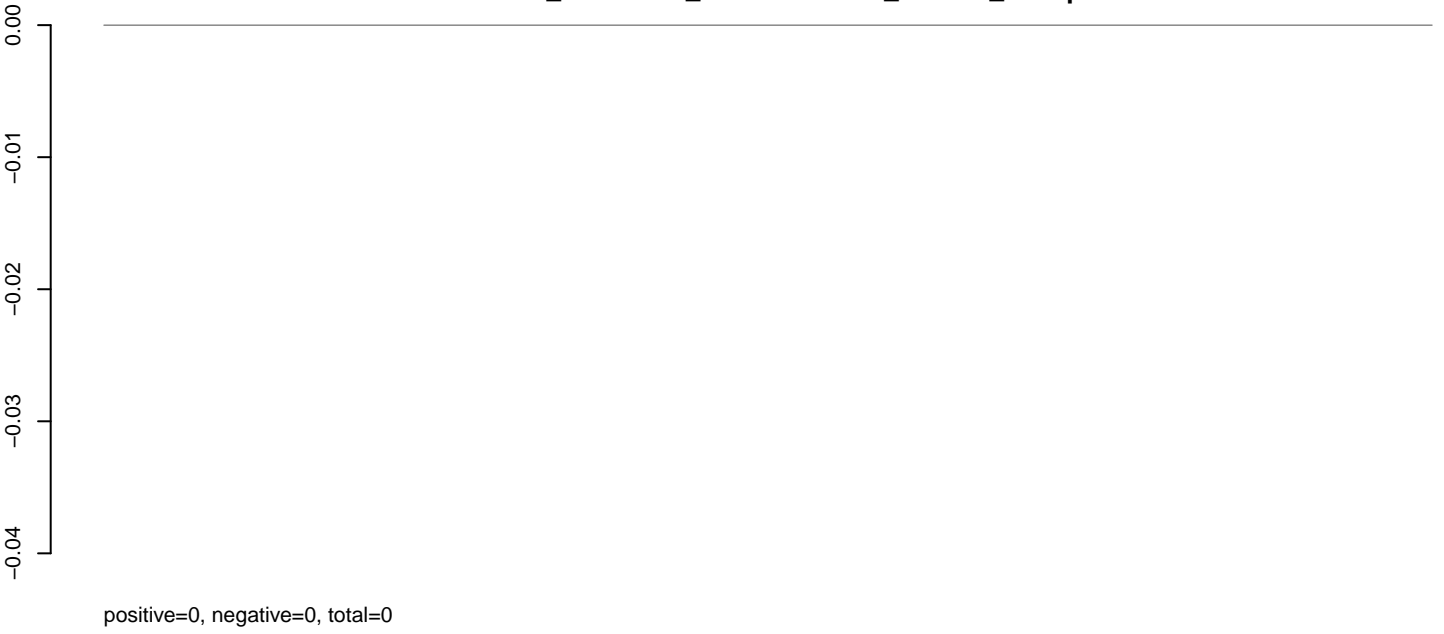
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



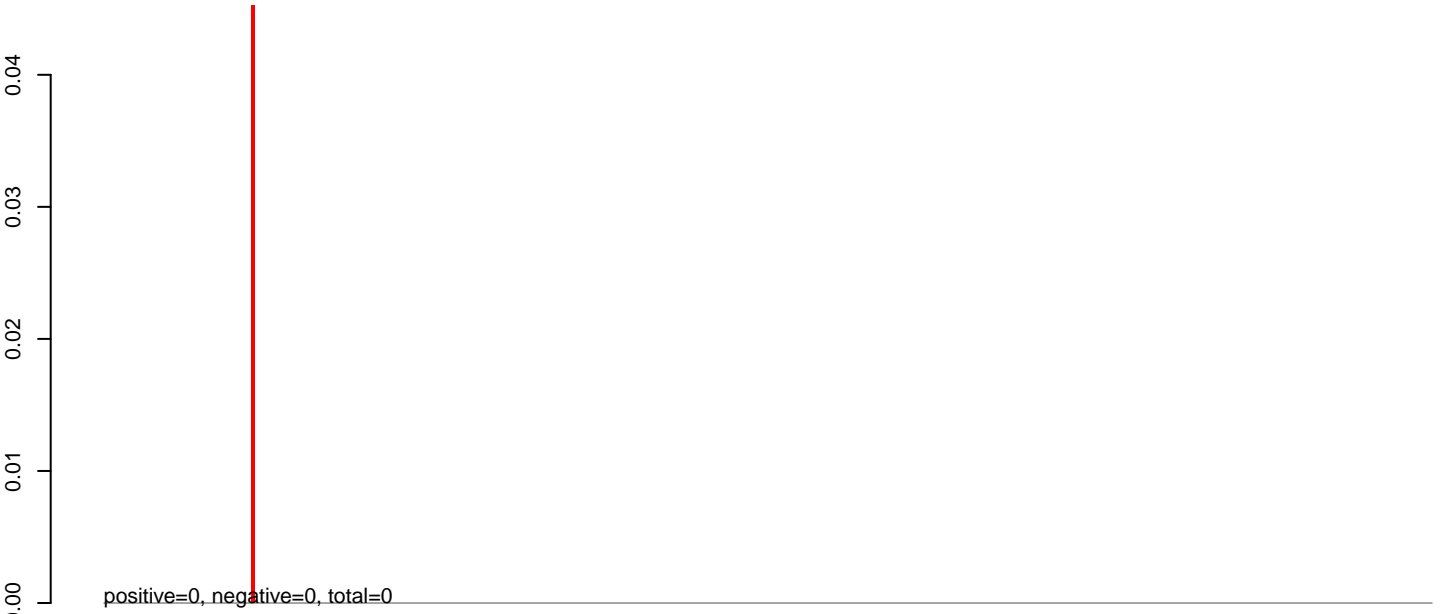
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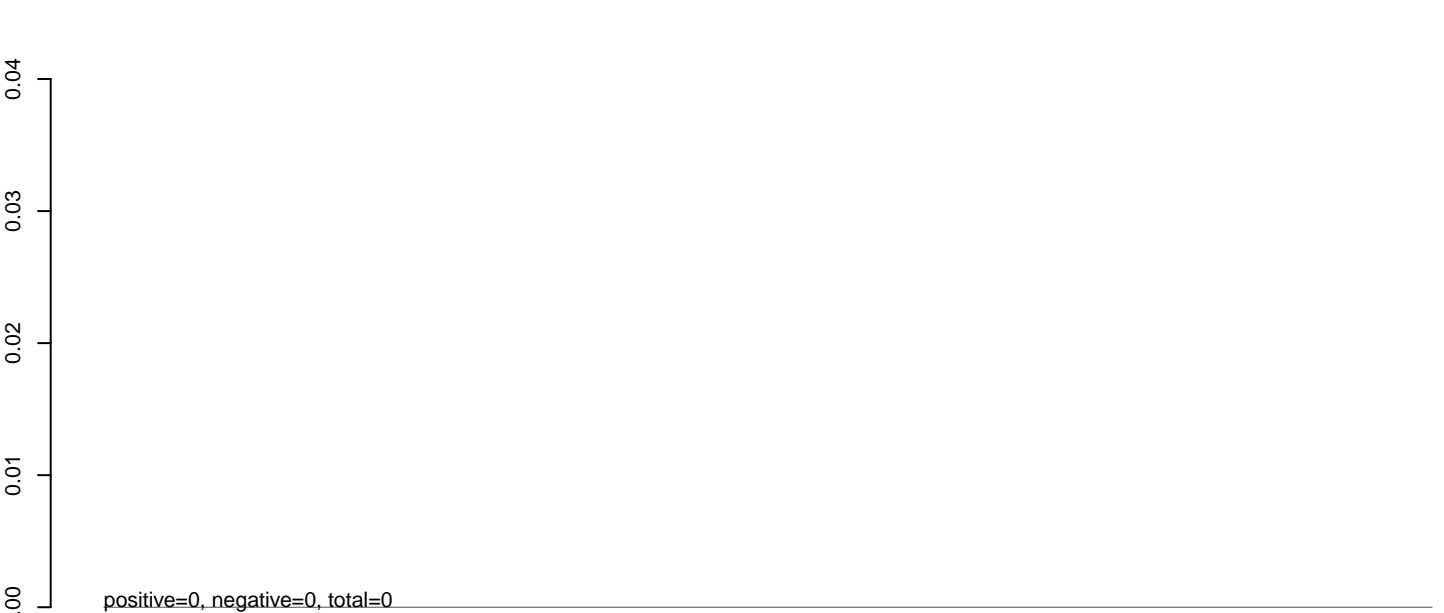
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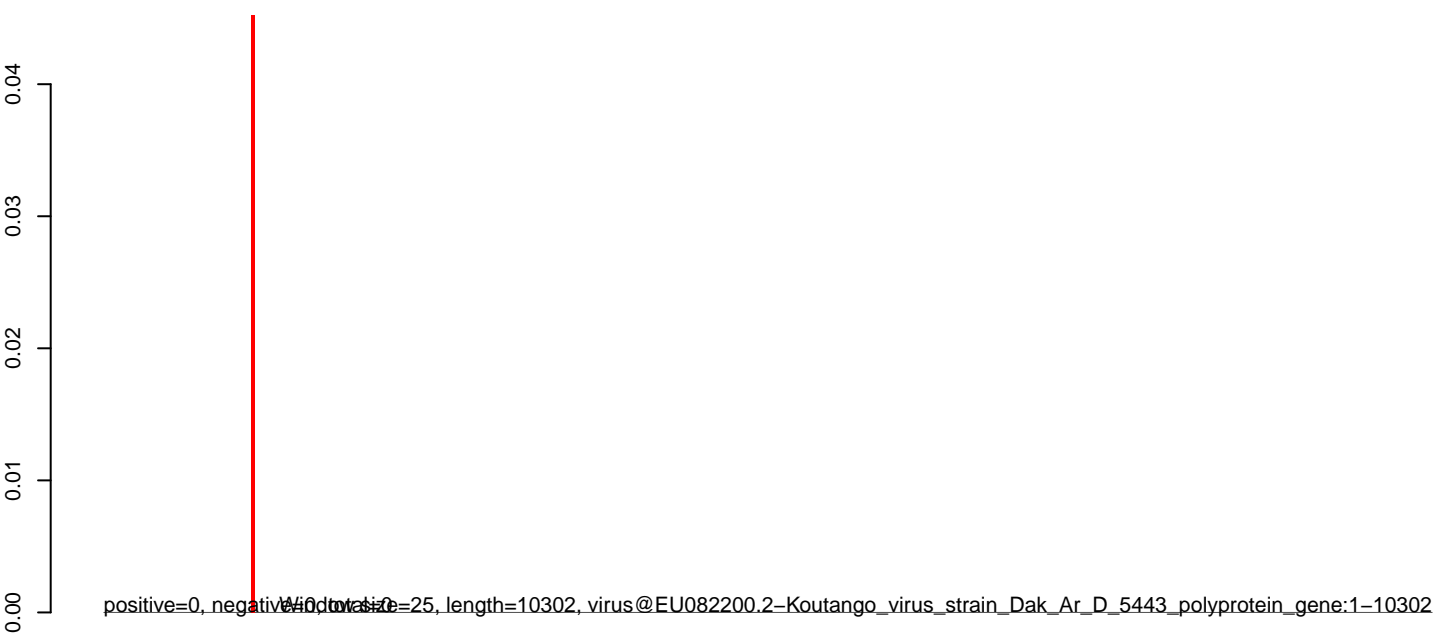
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**

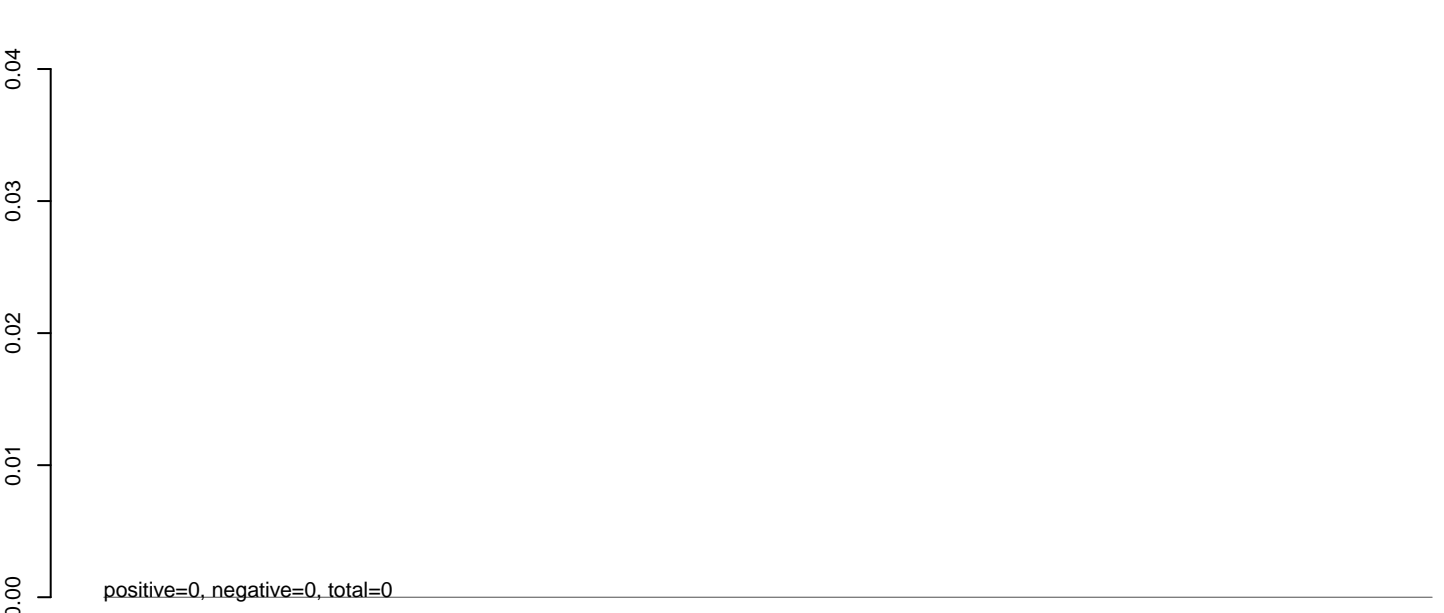


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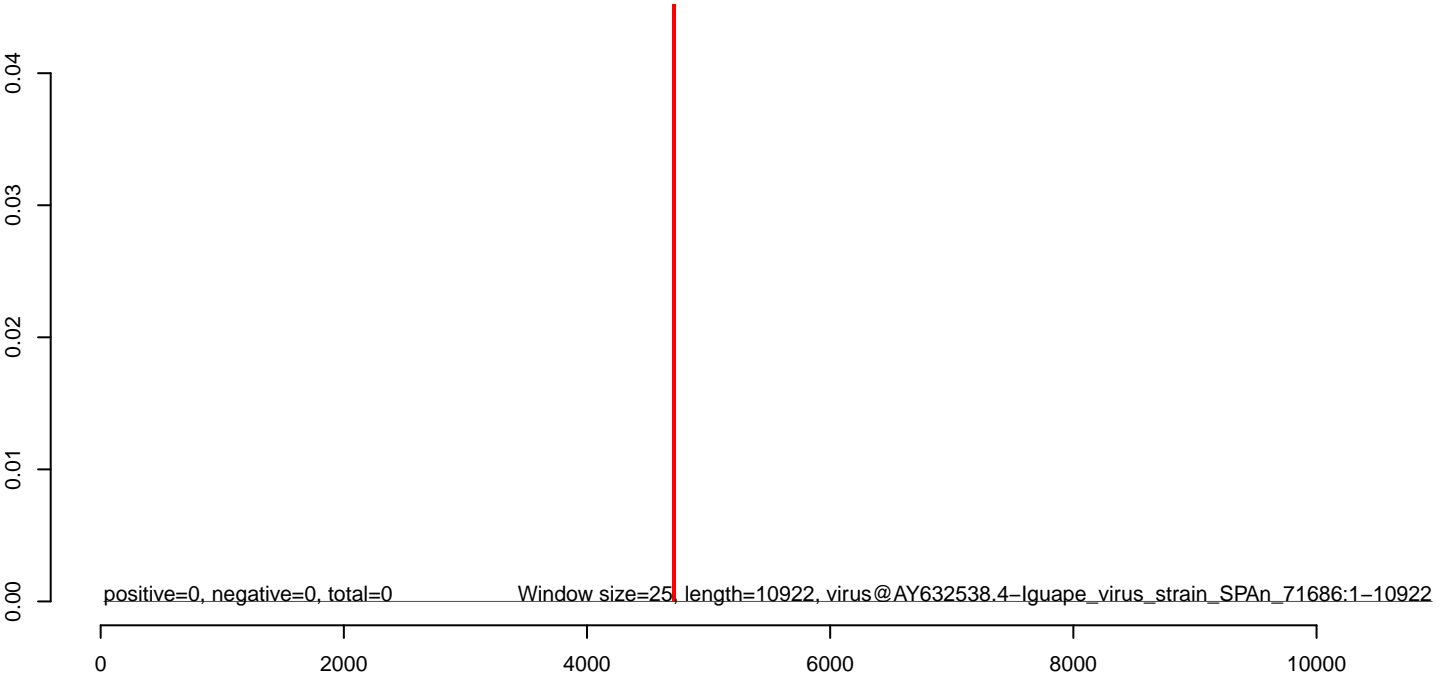
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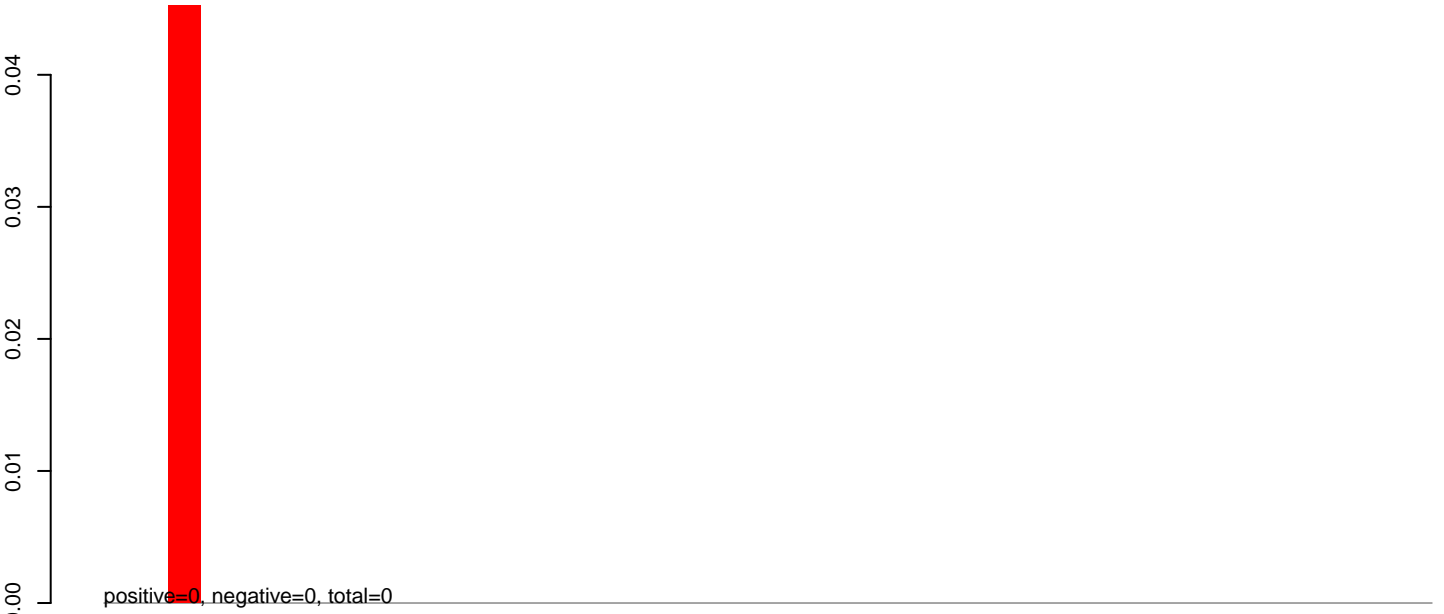
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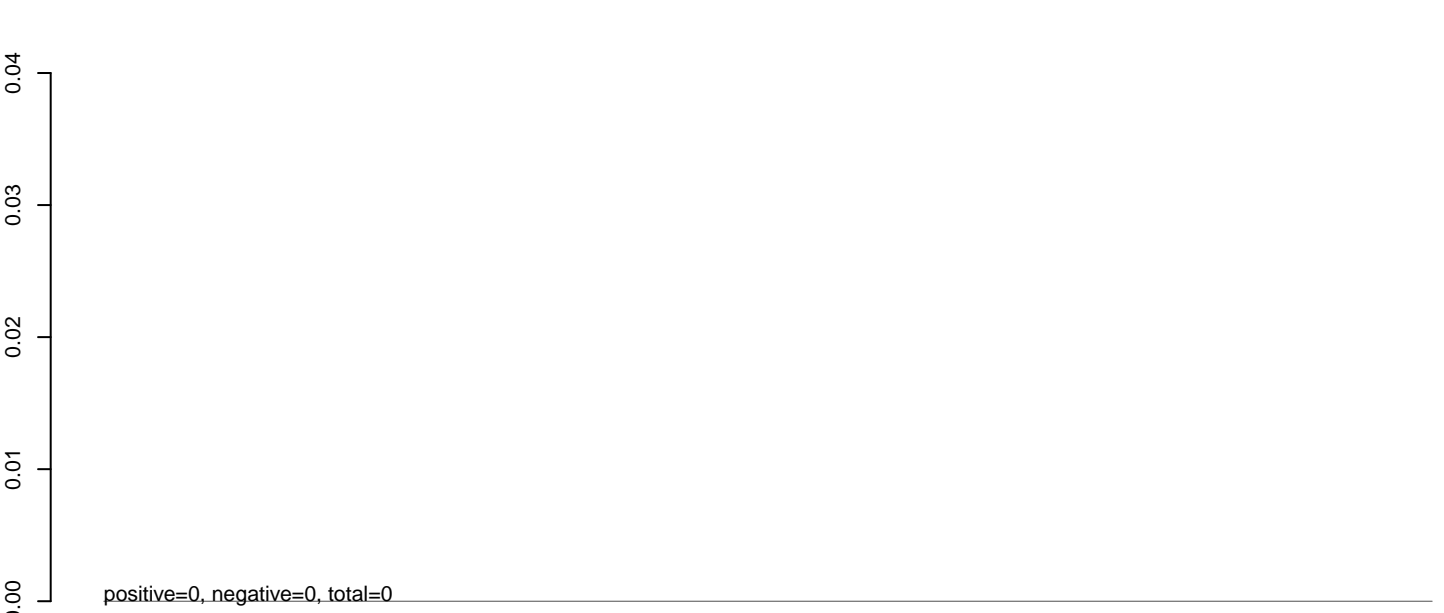
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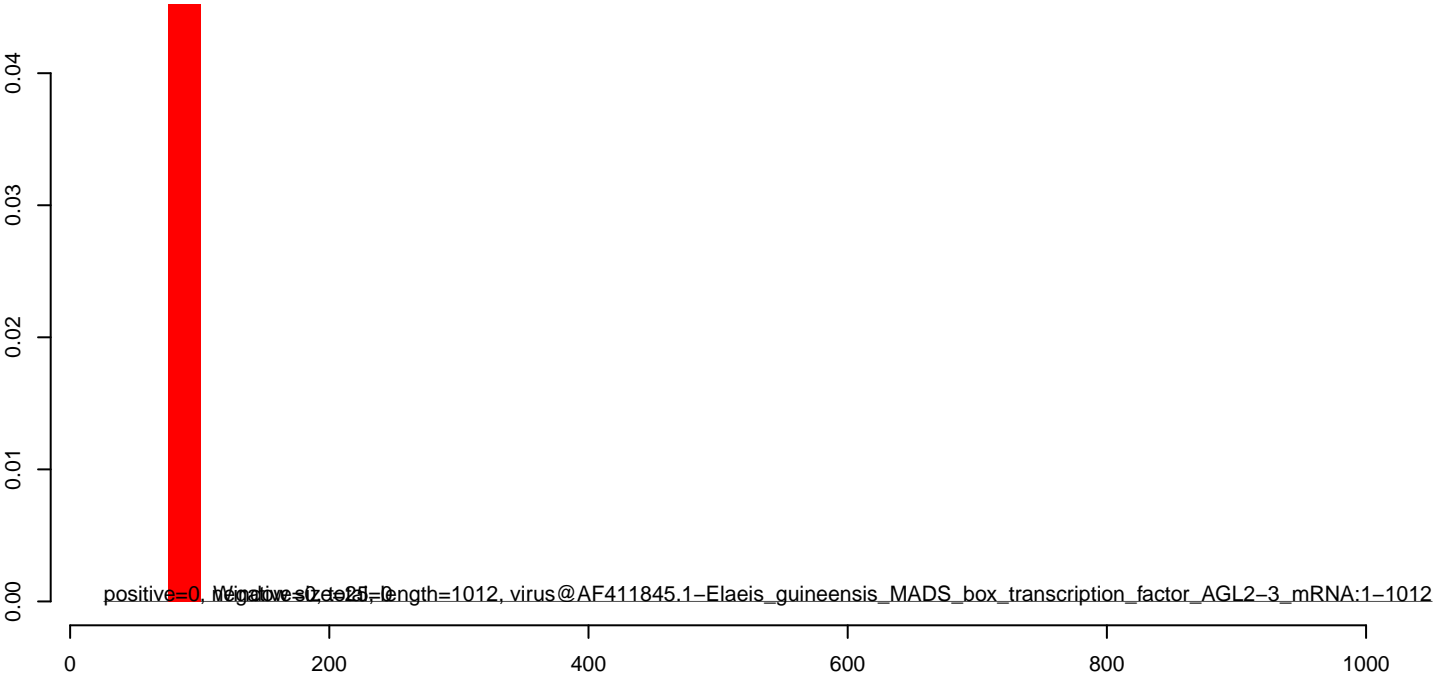
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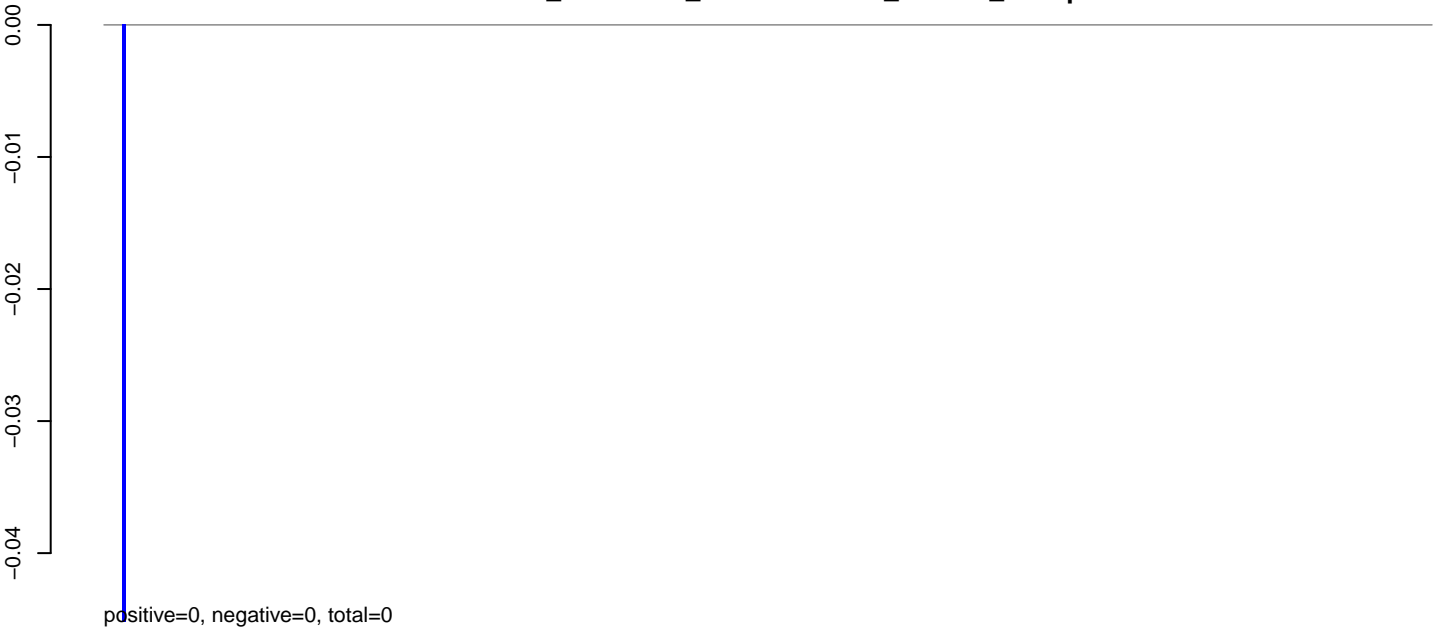


AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep

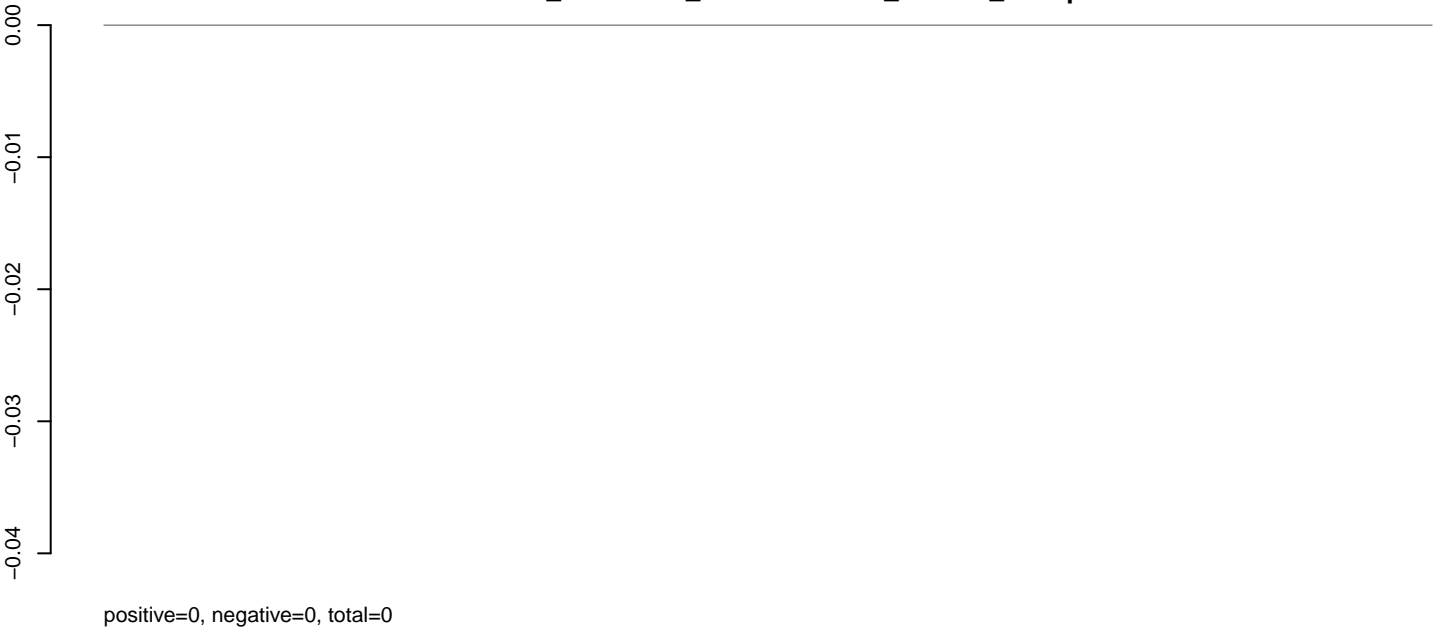




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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**

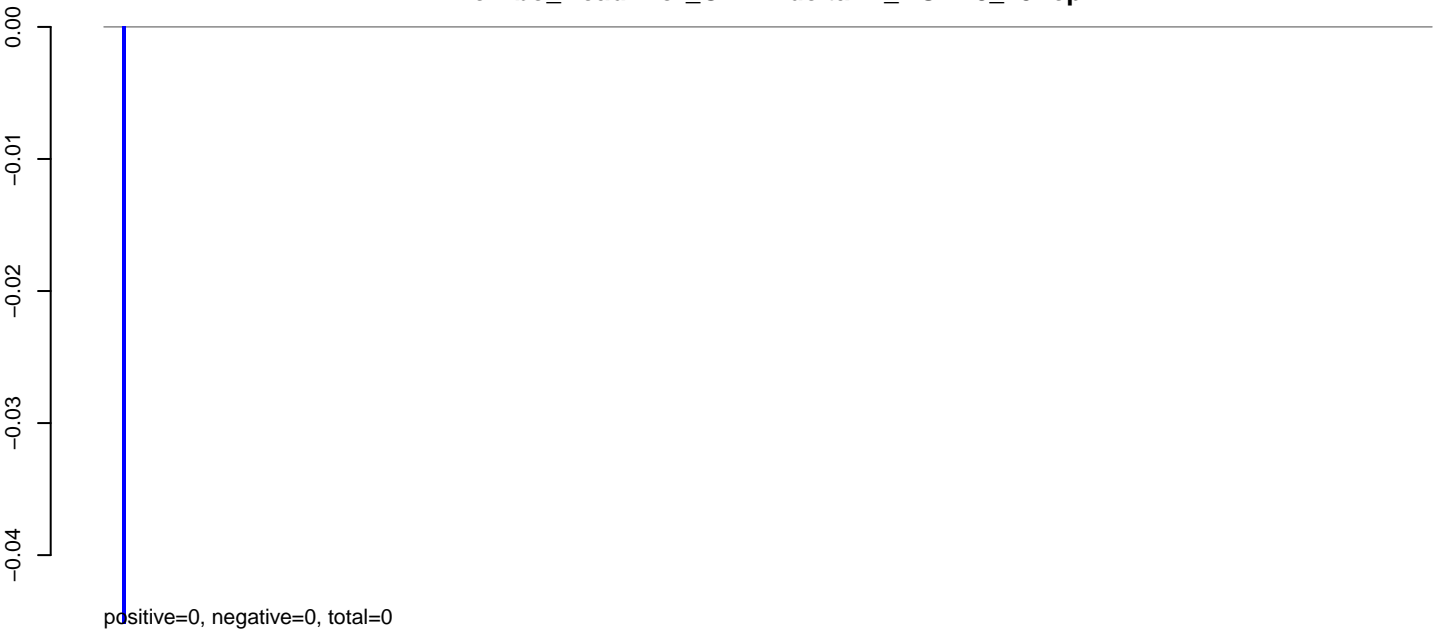


**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**

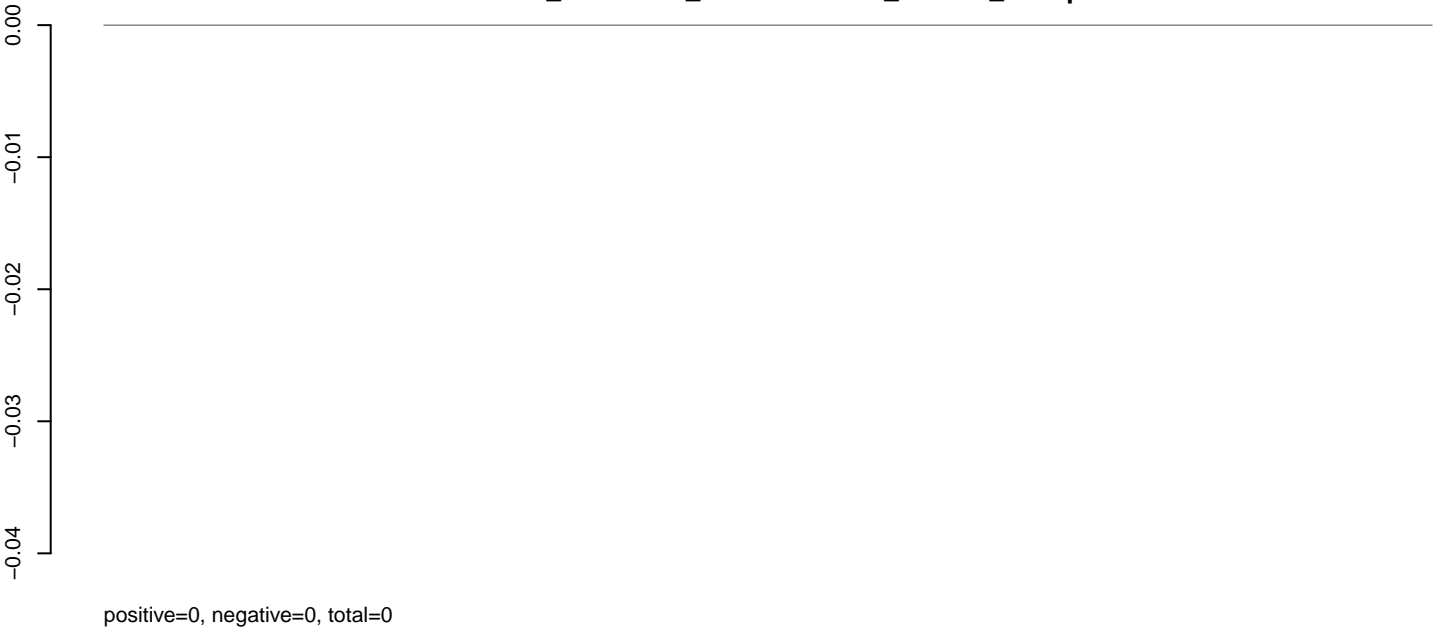


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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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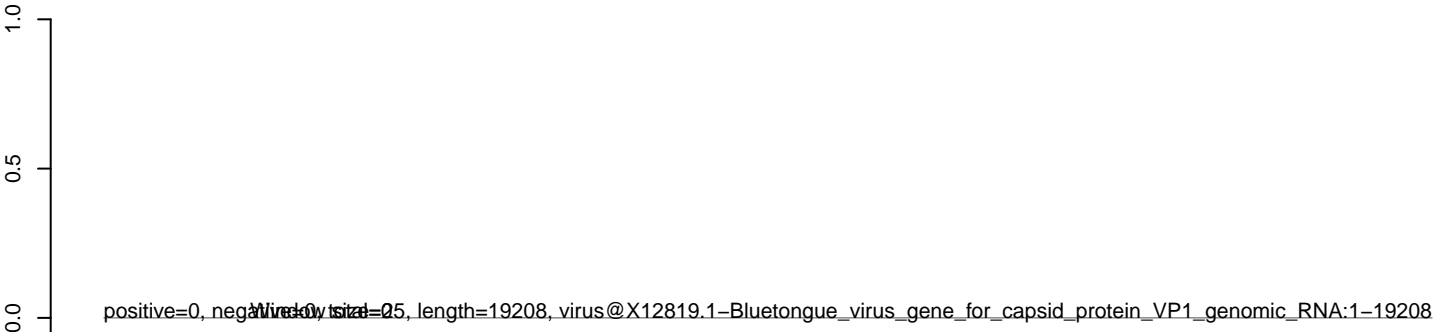
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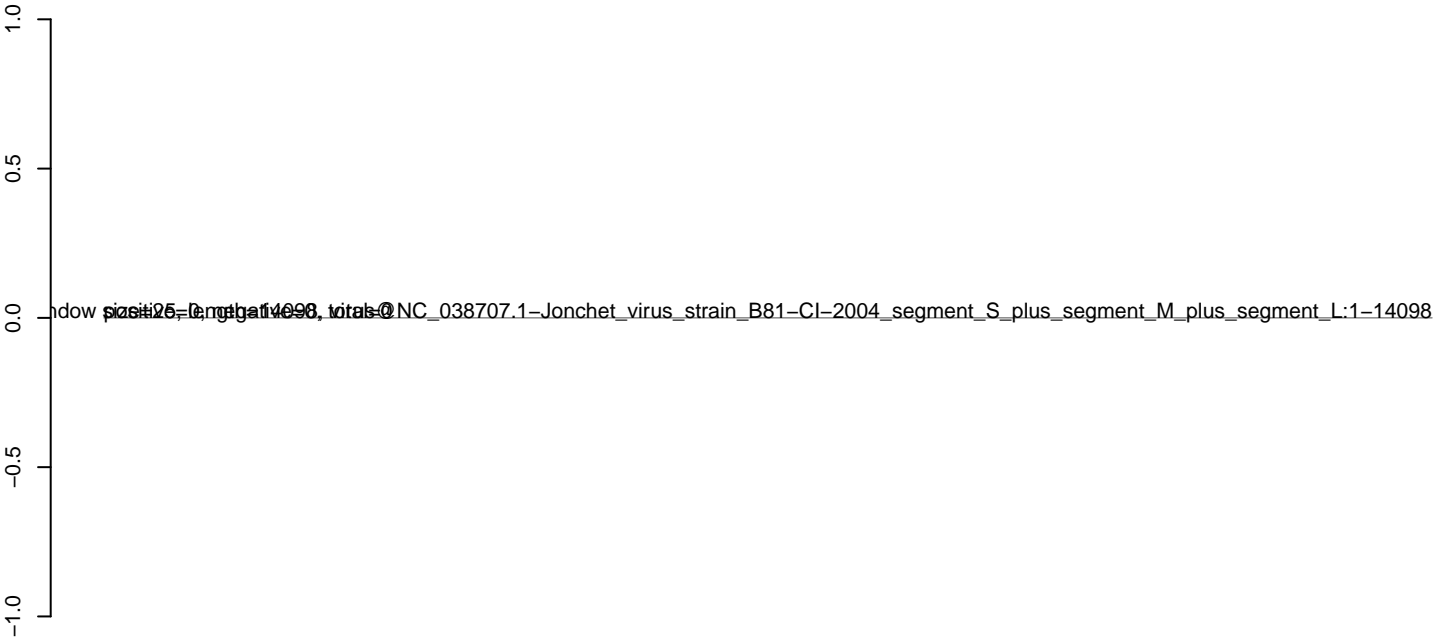
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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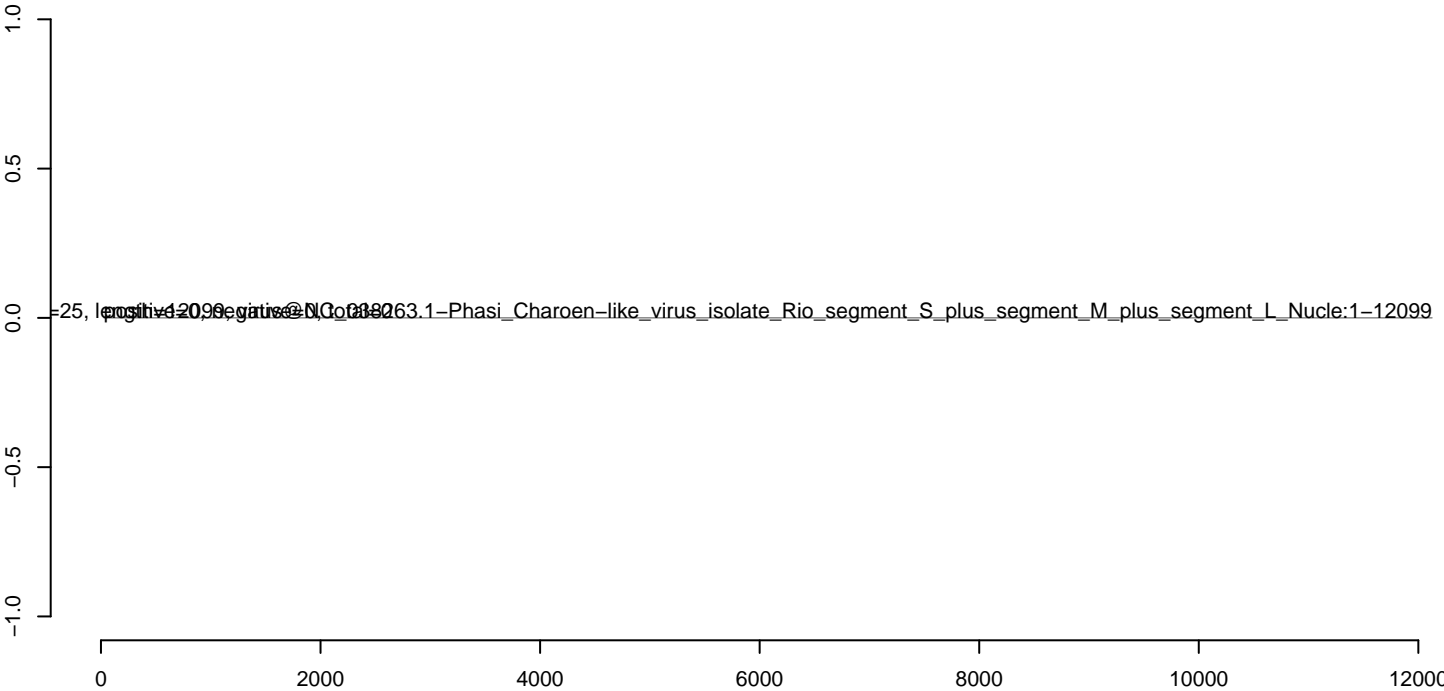
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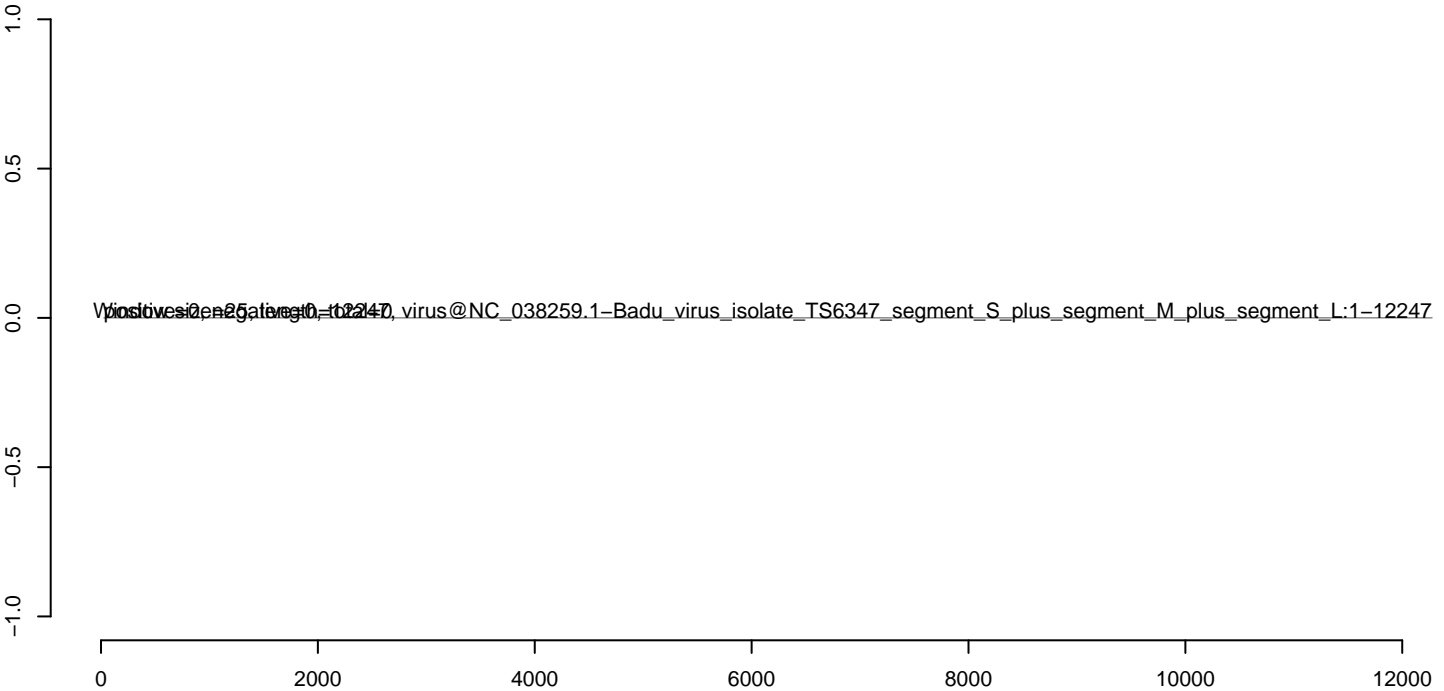
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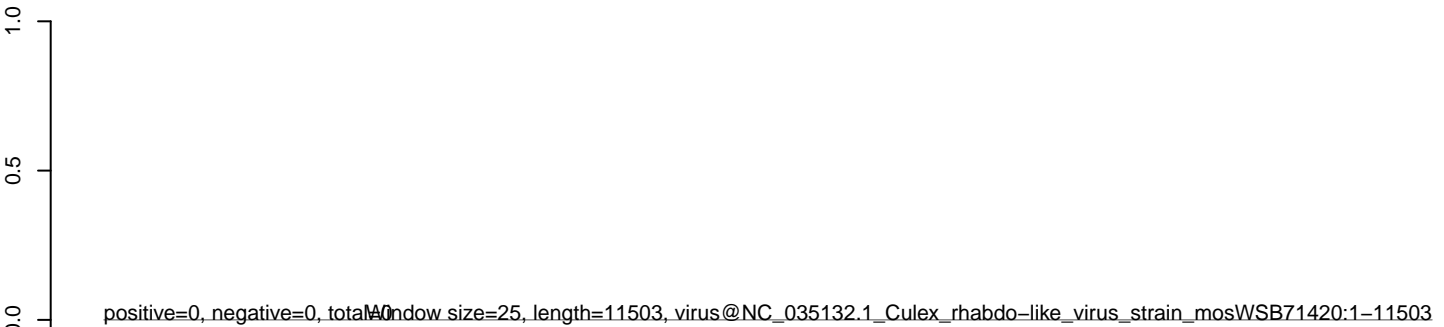
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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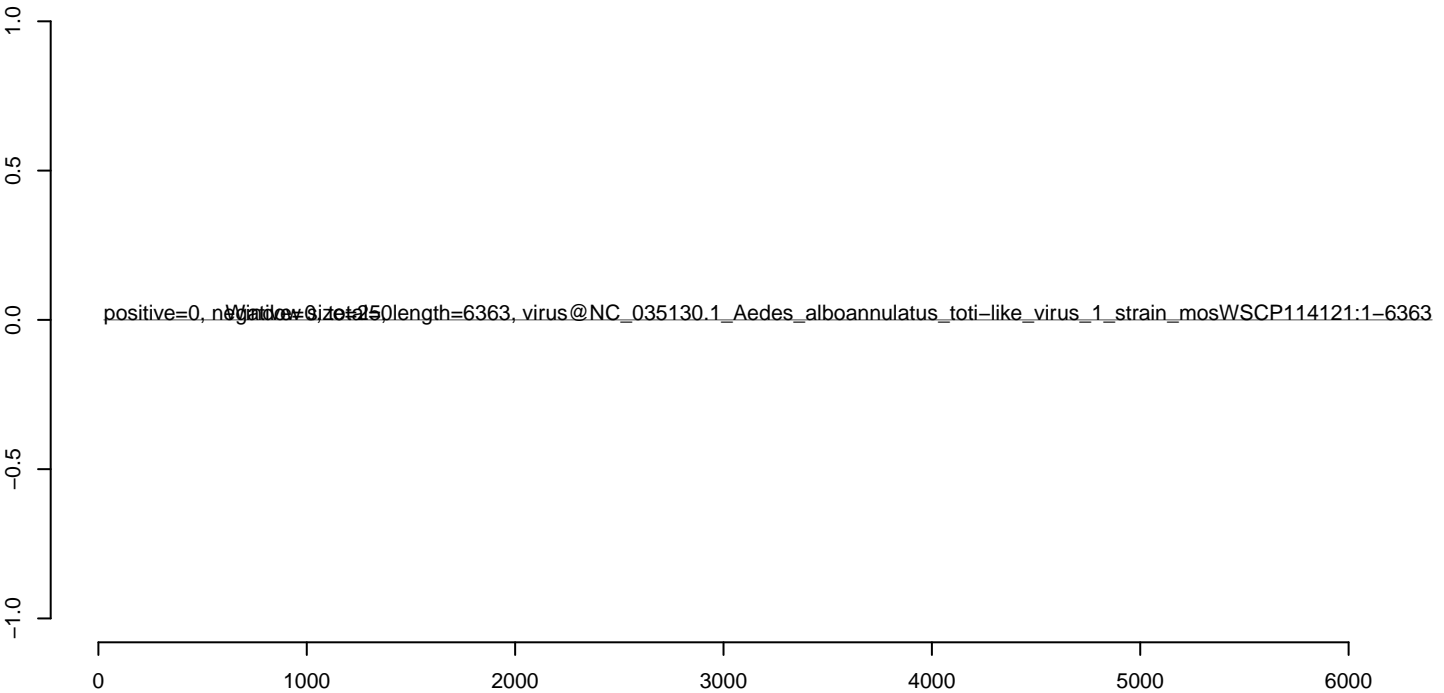
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**





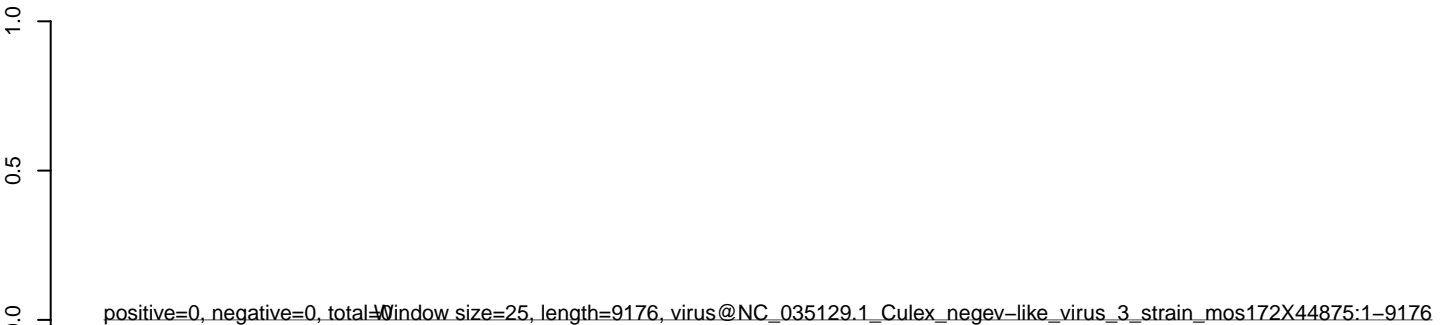
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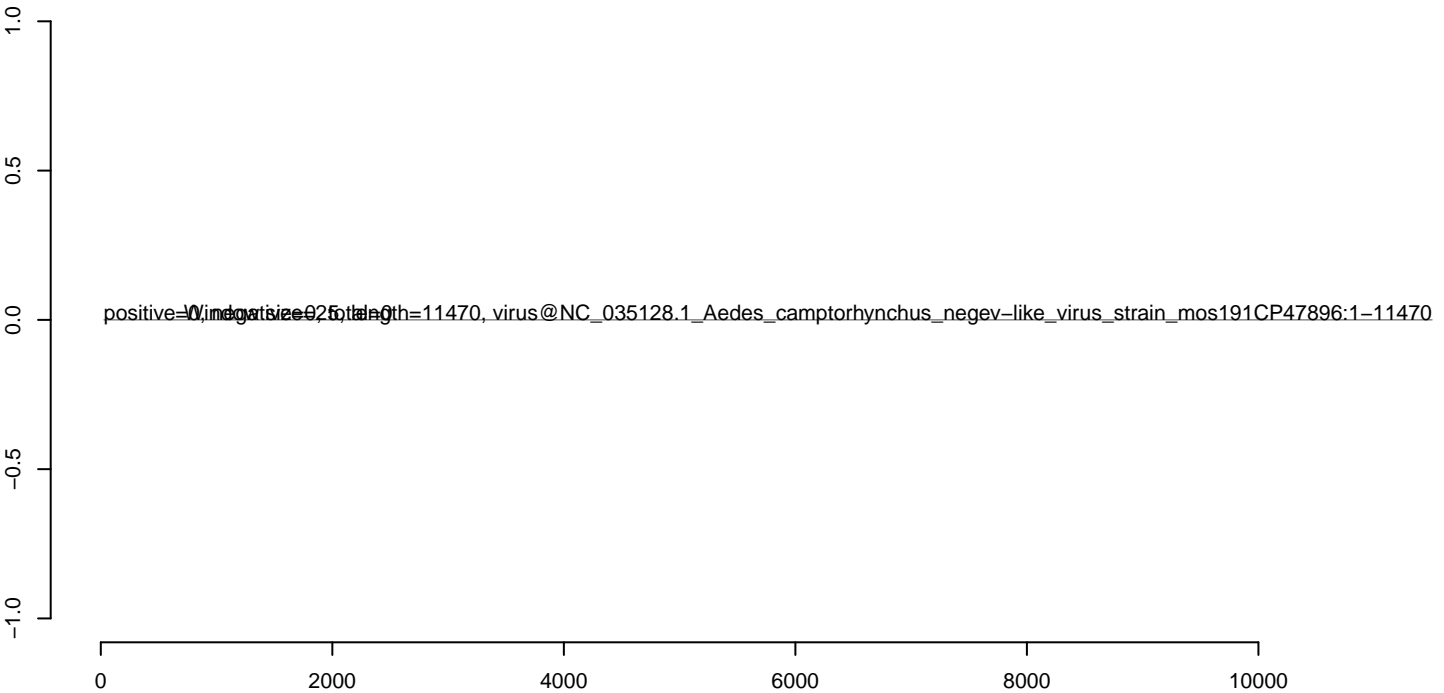
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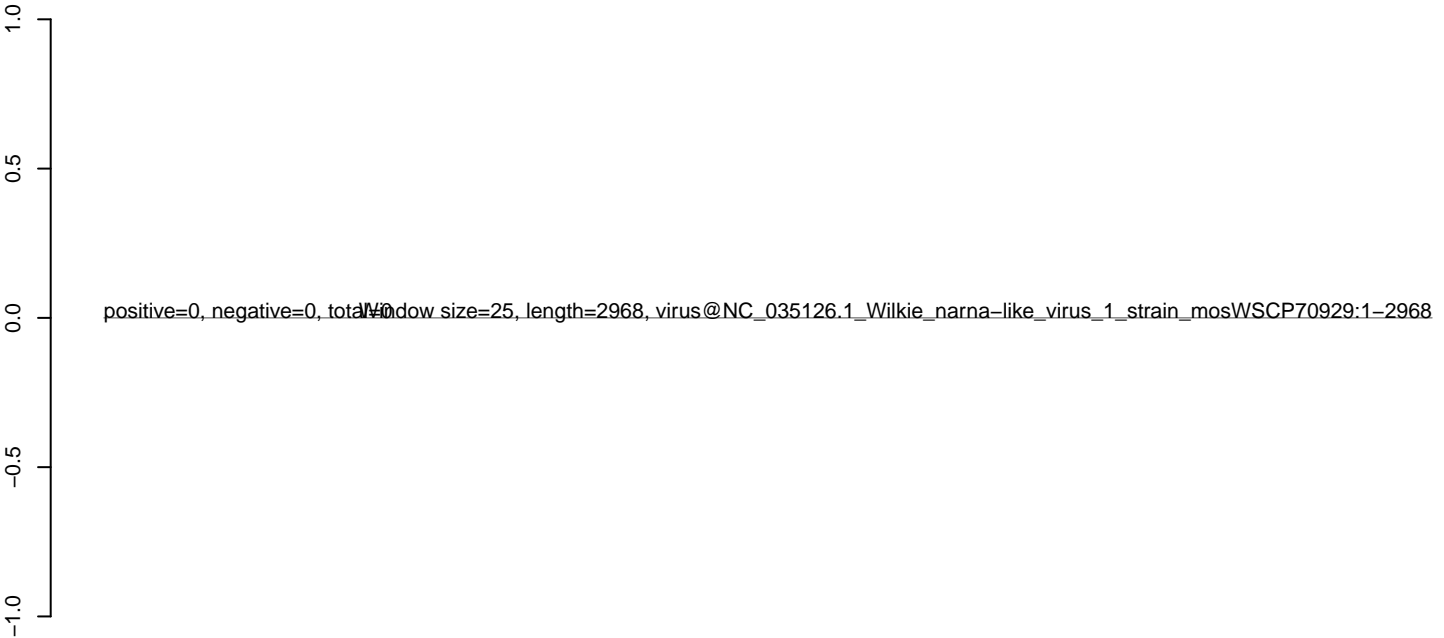
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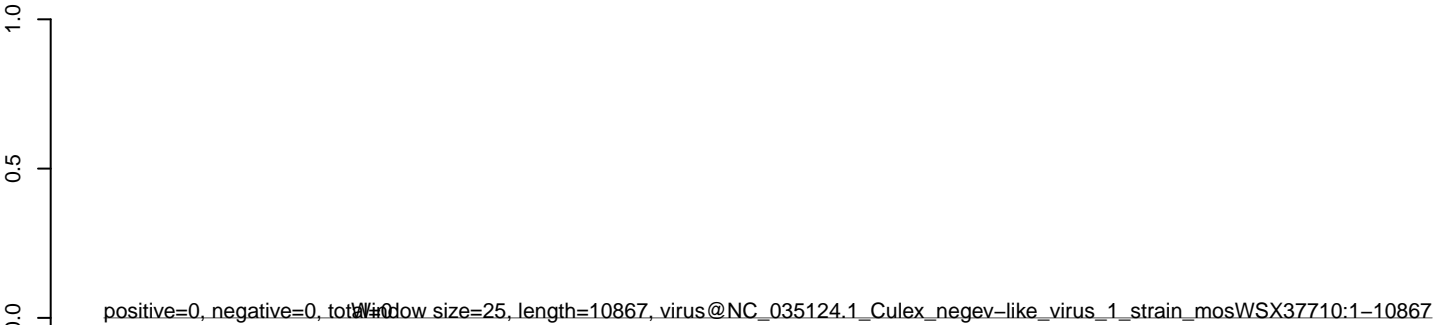
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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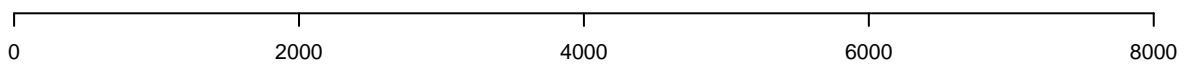
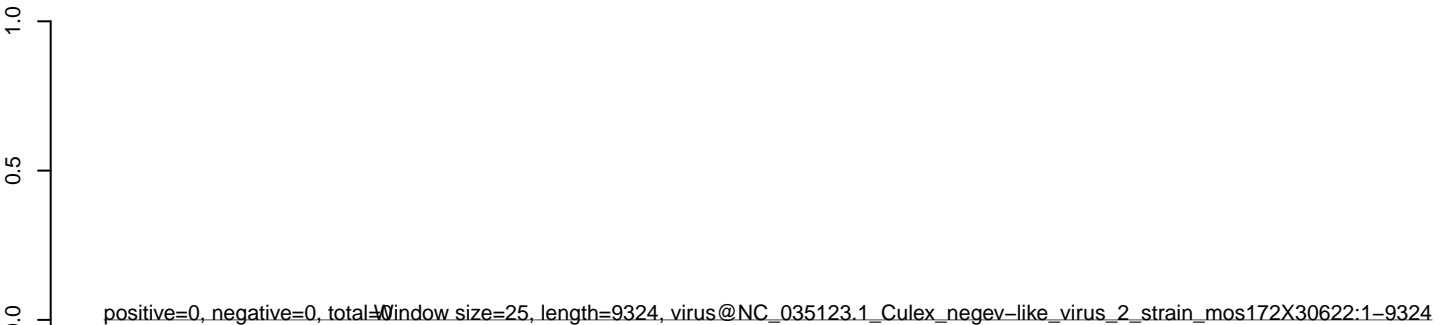
**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



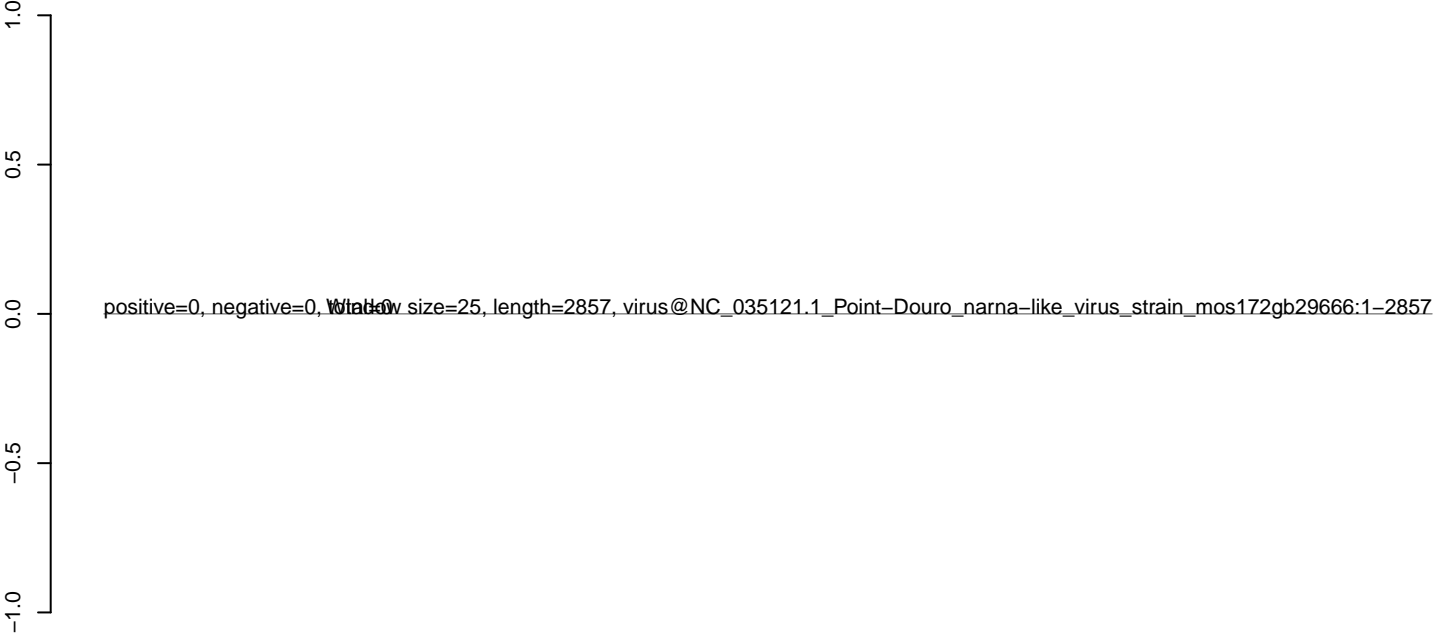
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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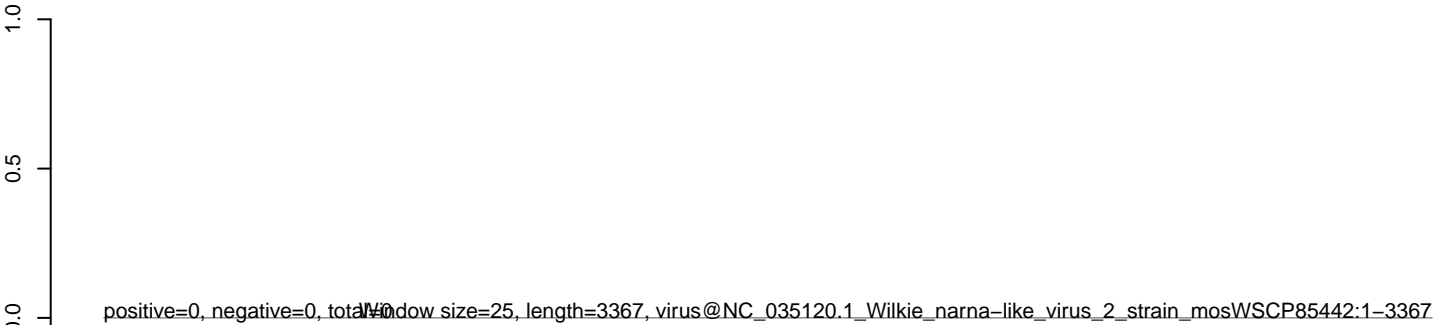
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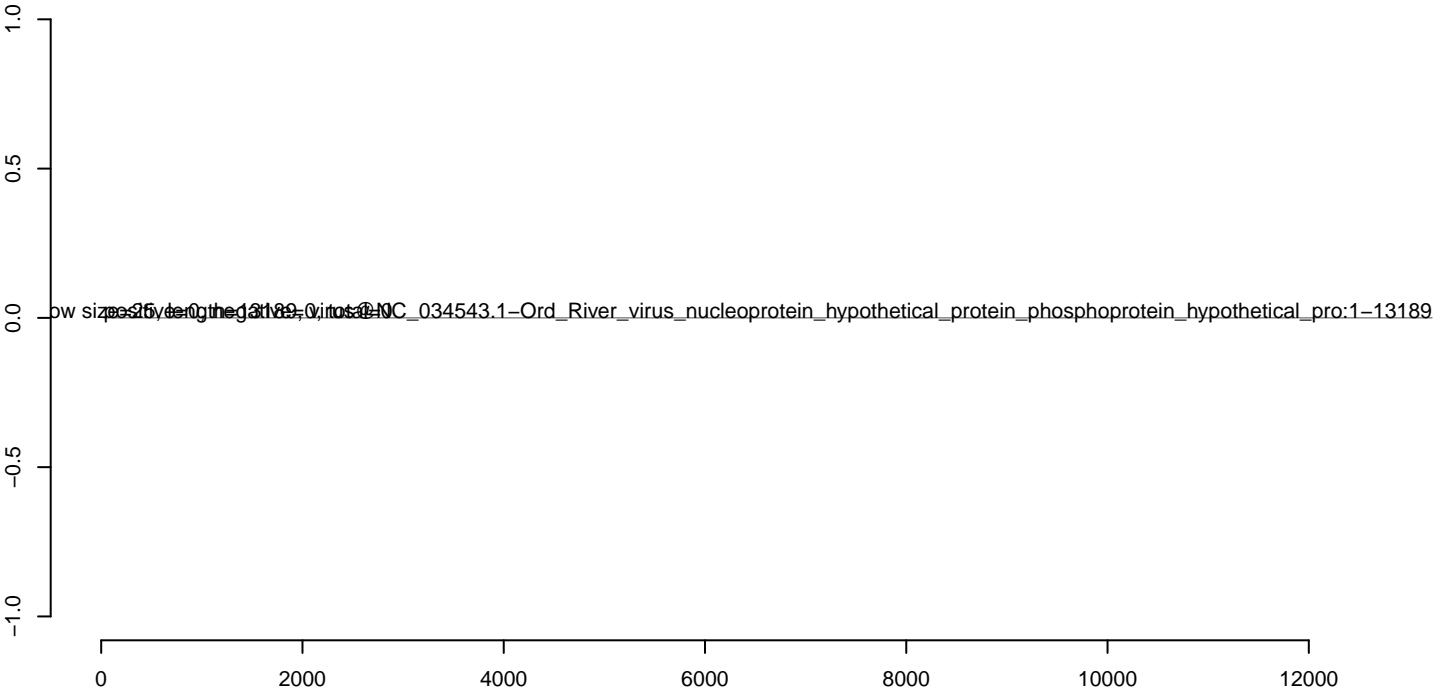
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**





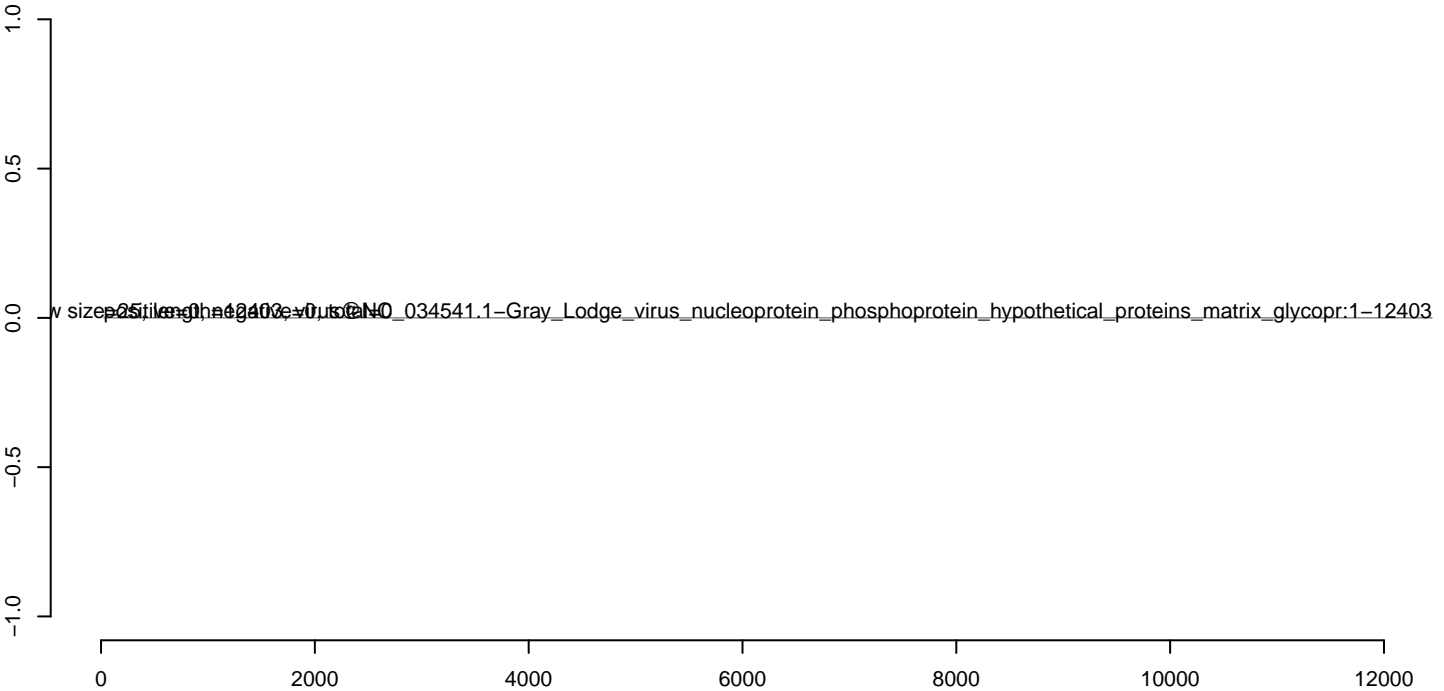
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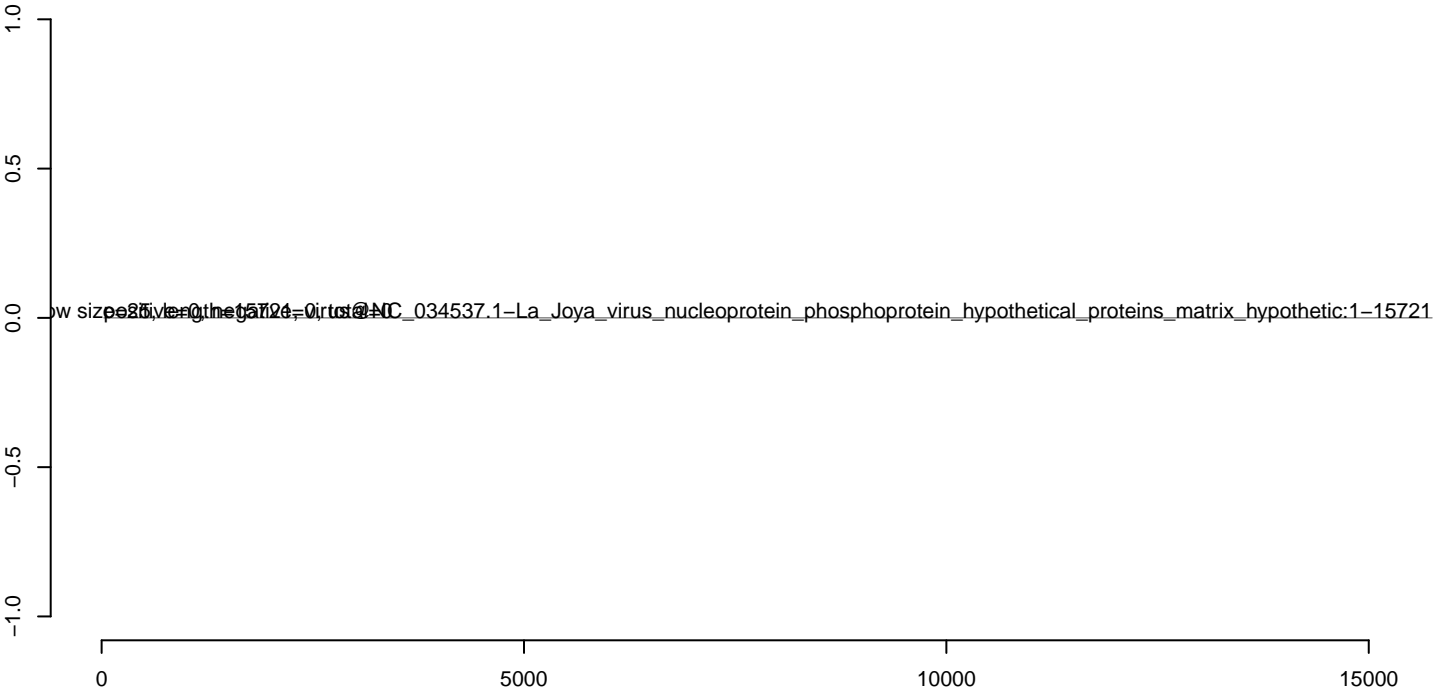
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



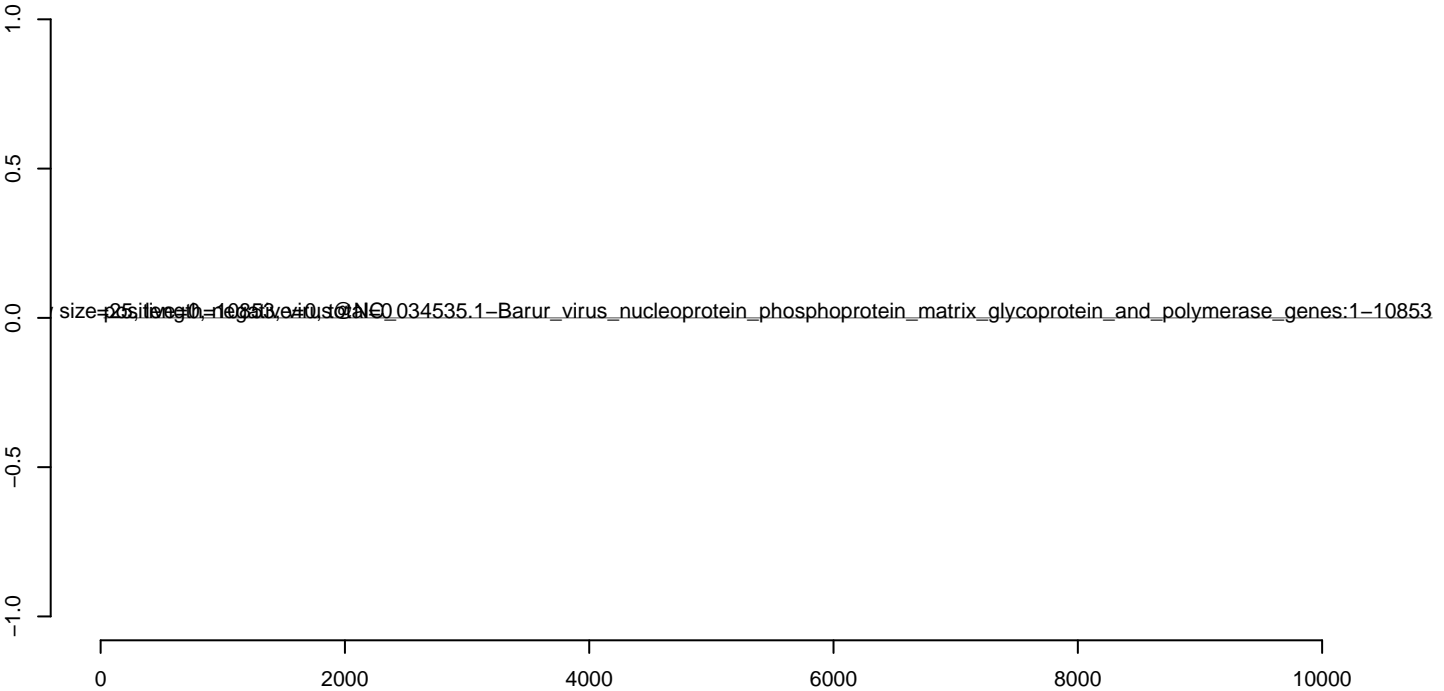
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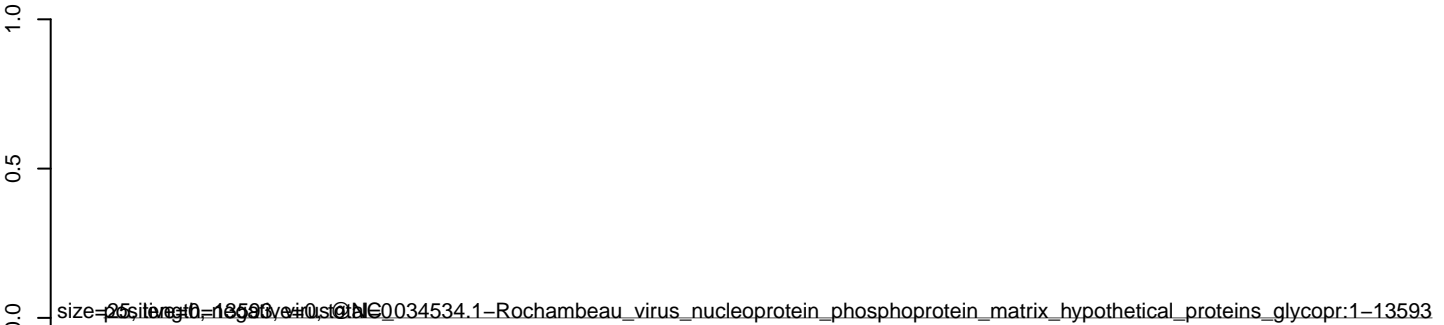
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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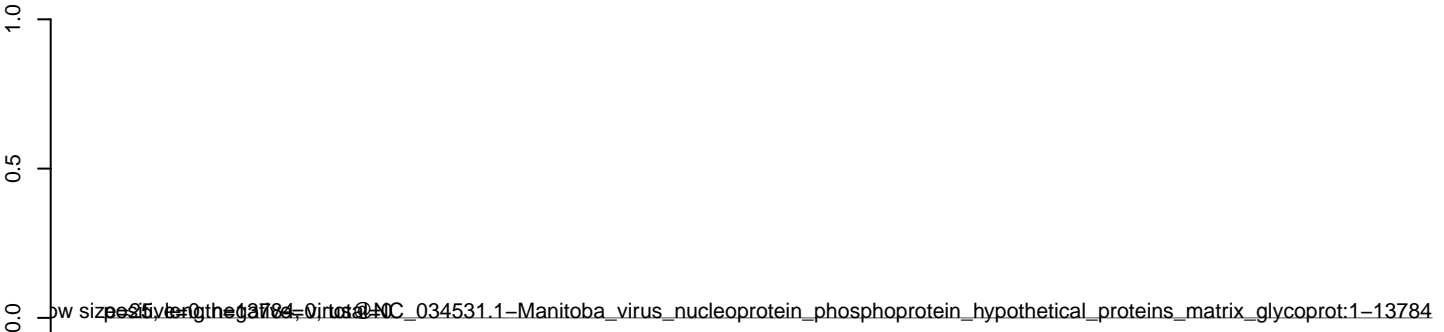
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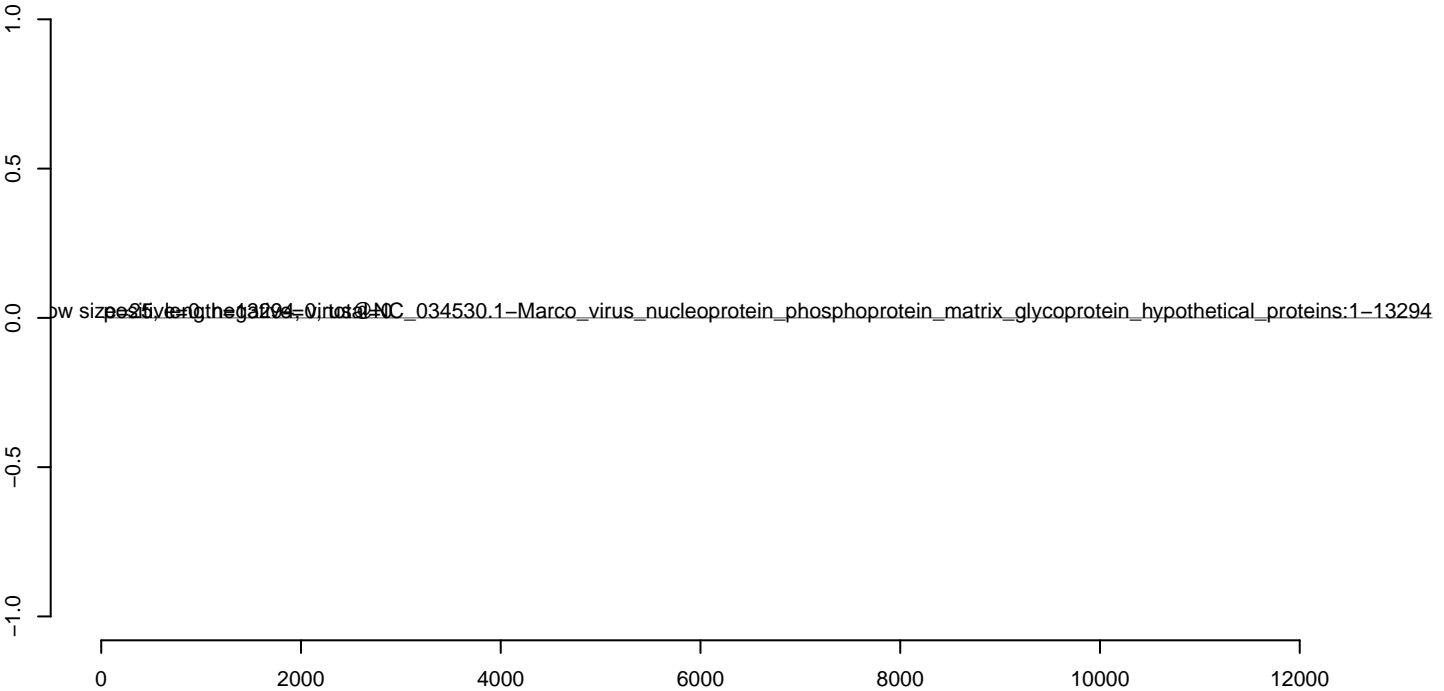
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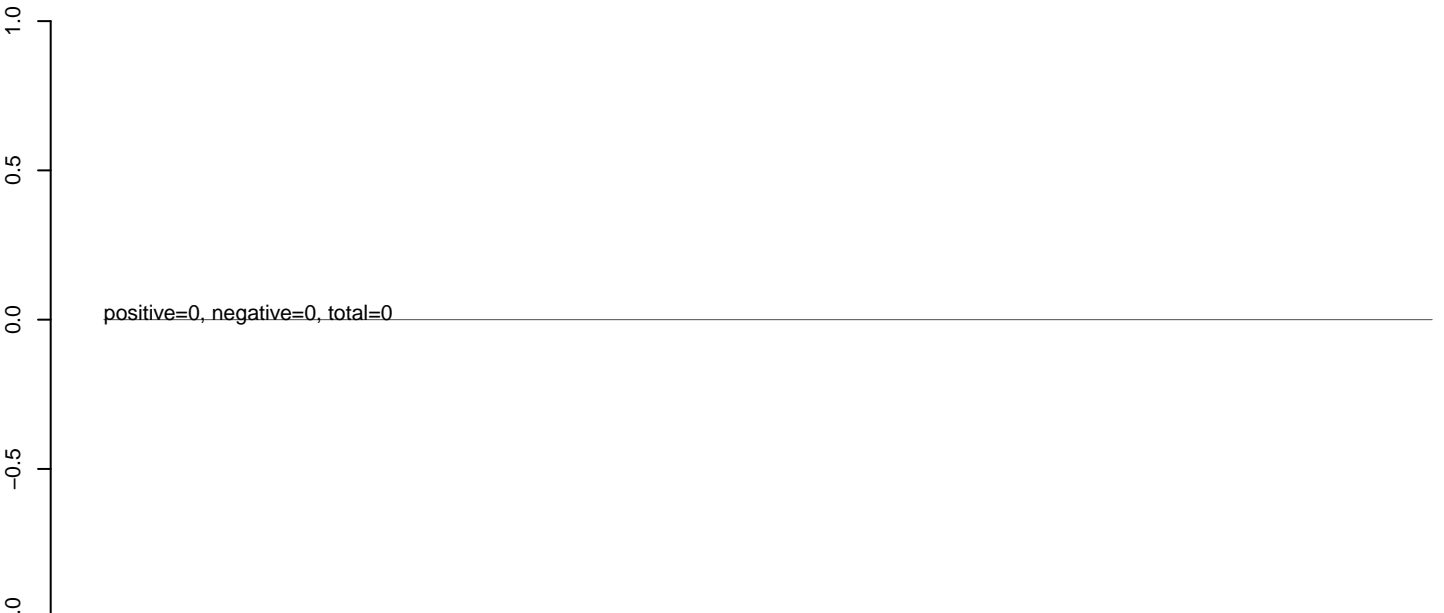
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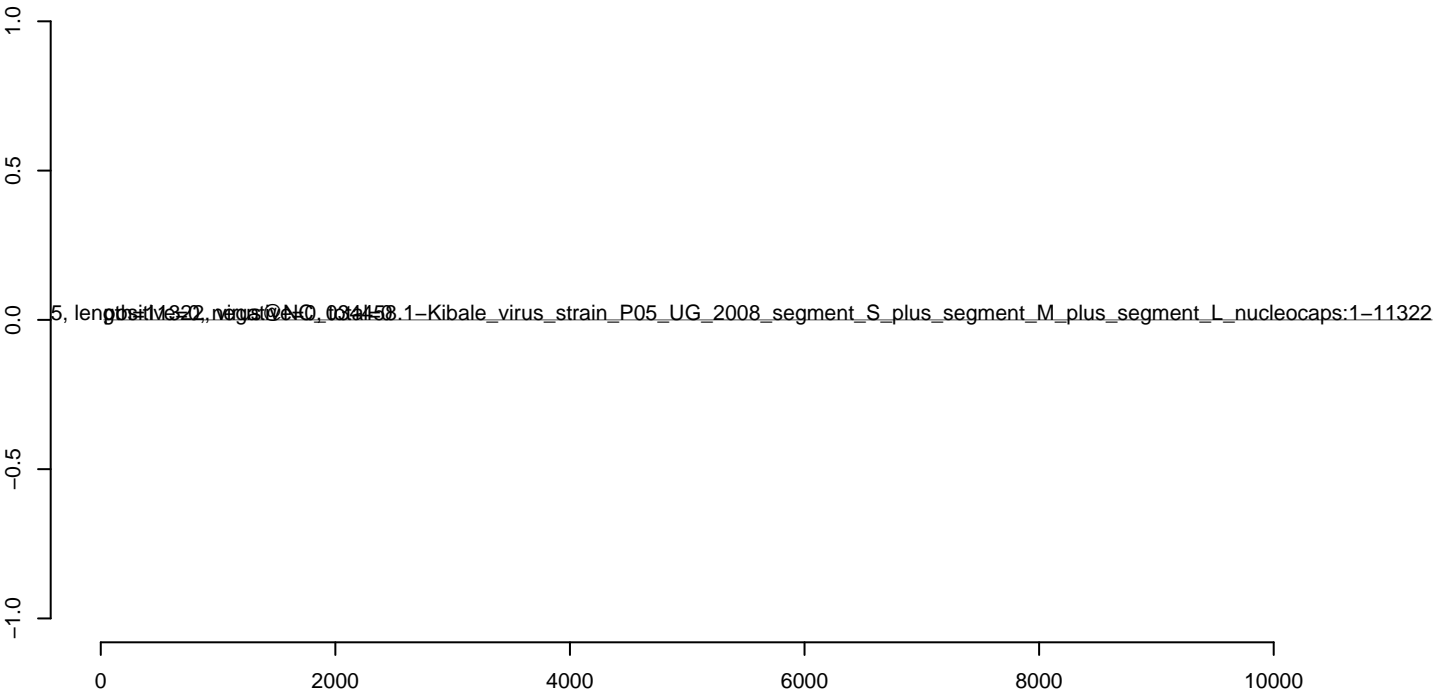
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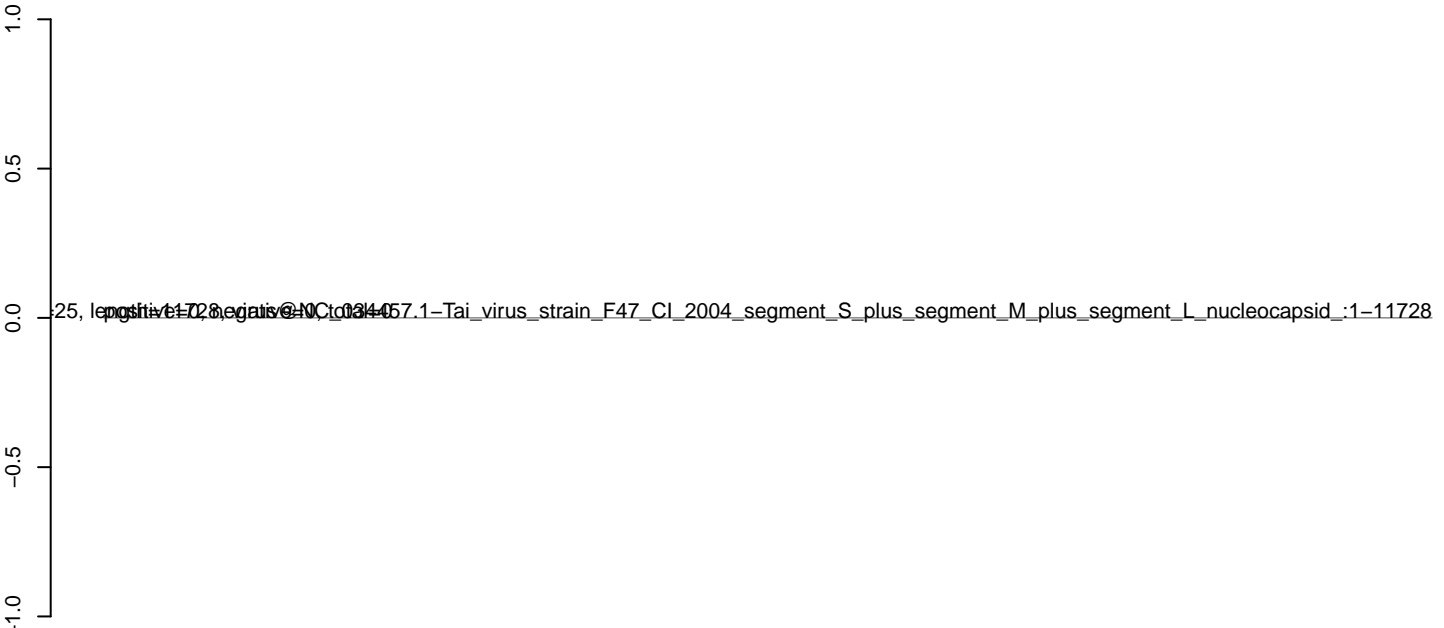
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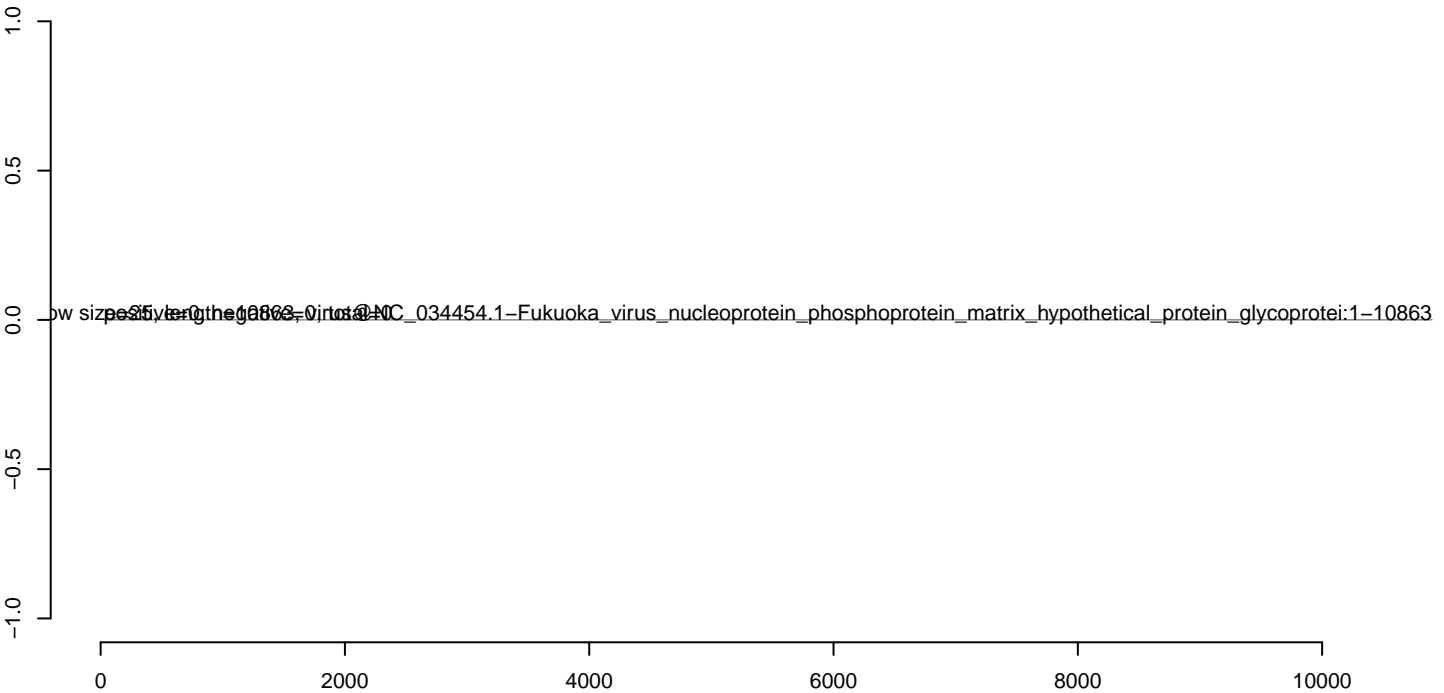
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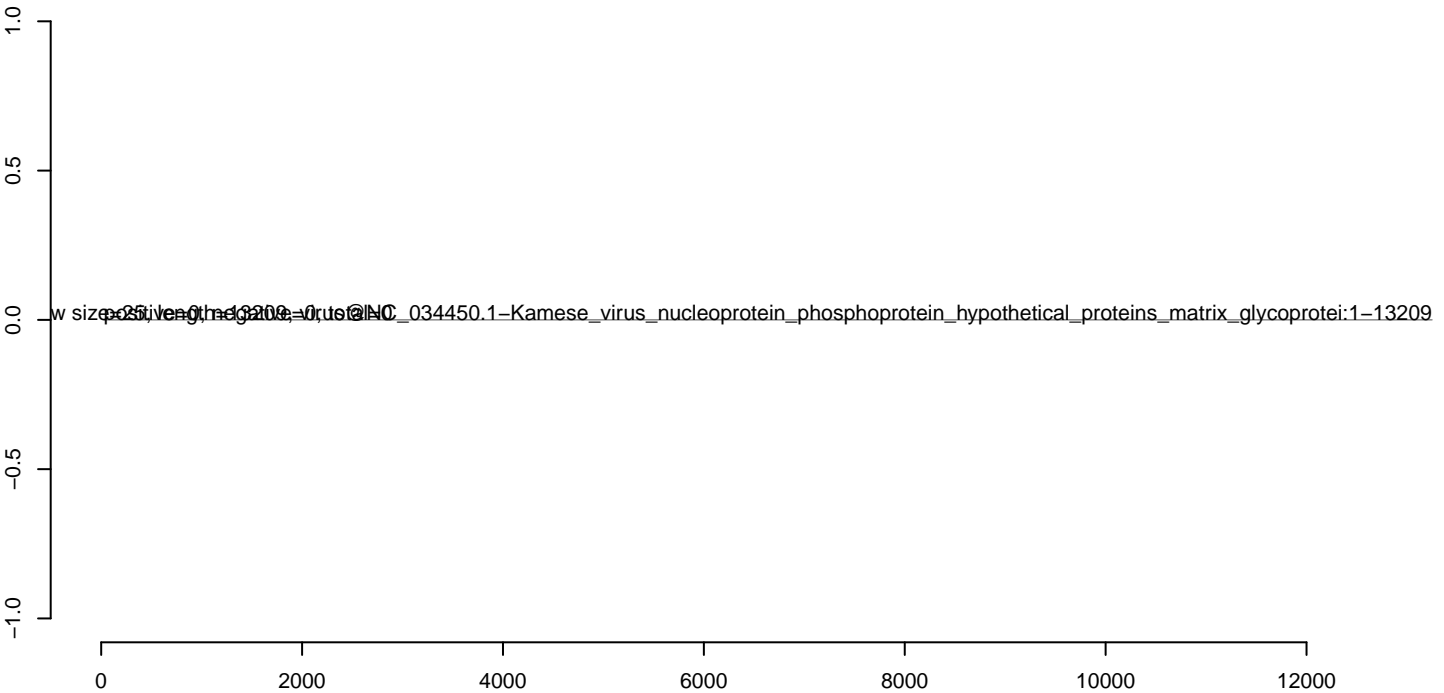
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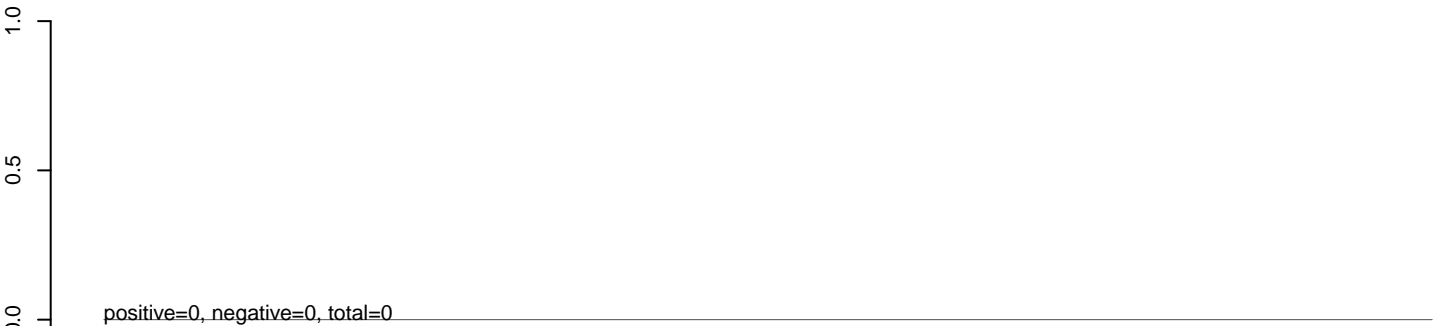
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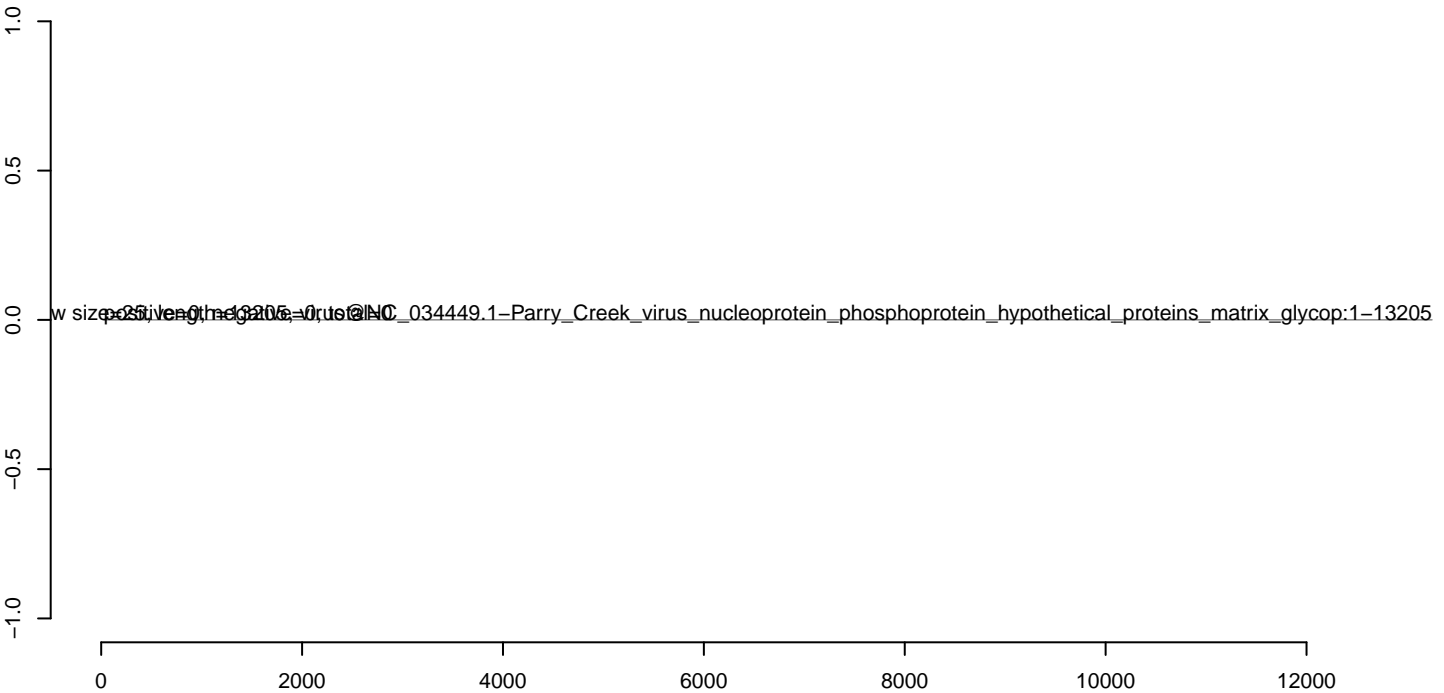
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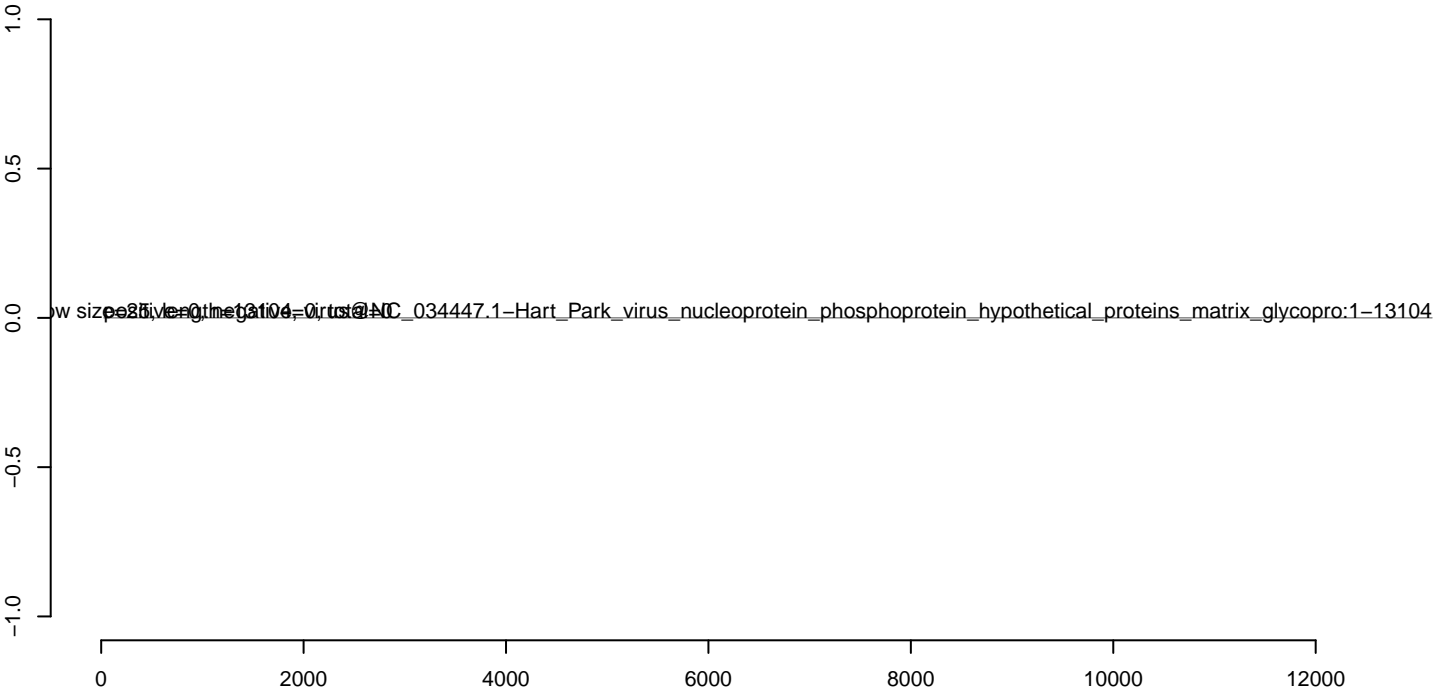
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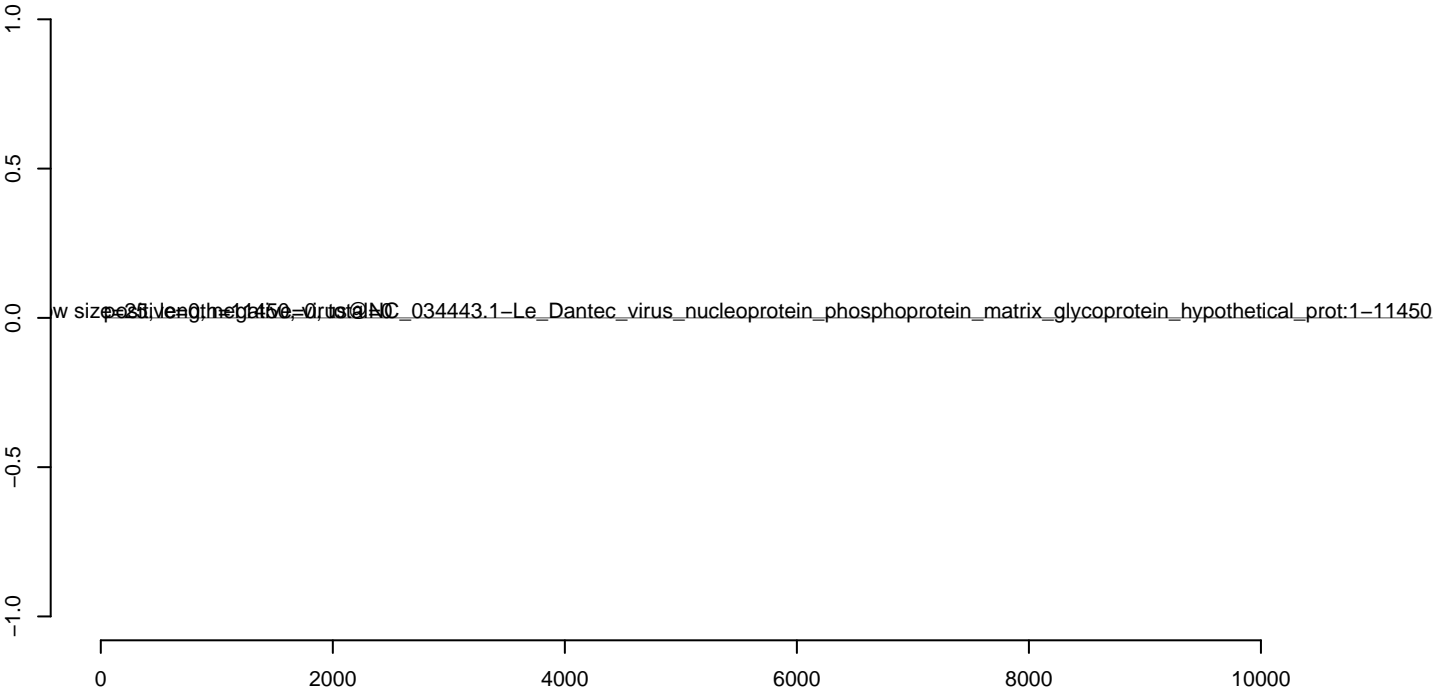
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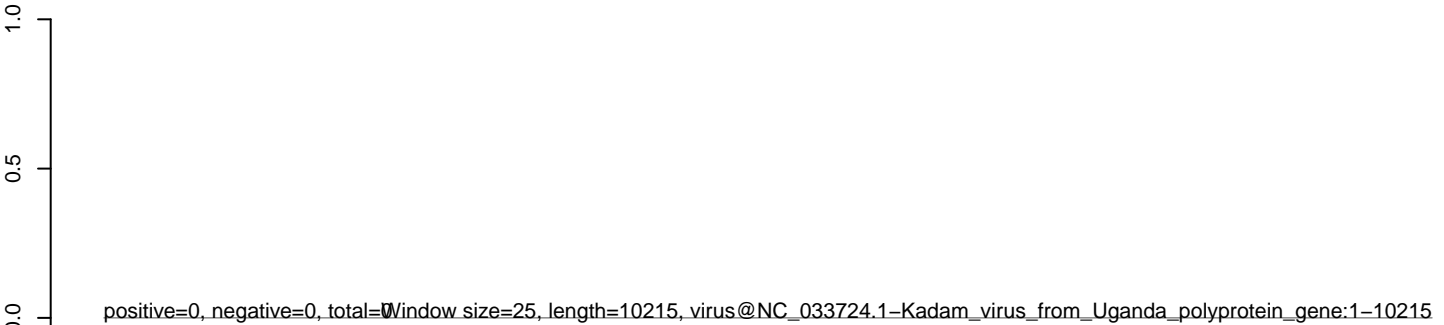
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



0 2000 4000 6000 8000 10000

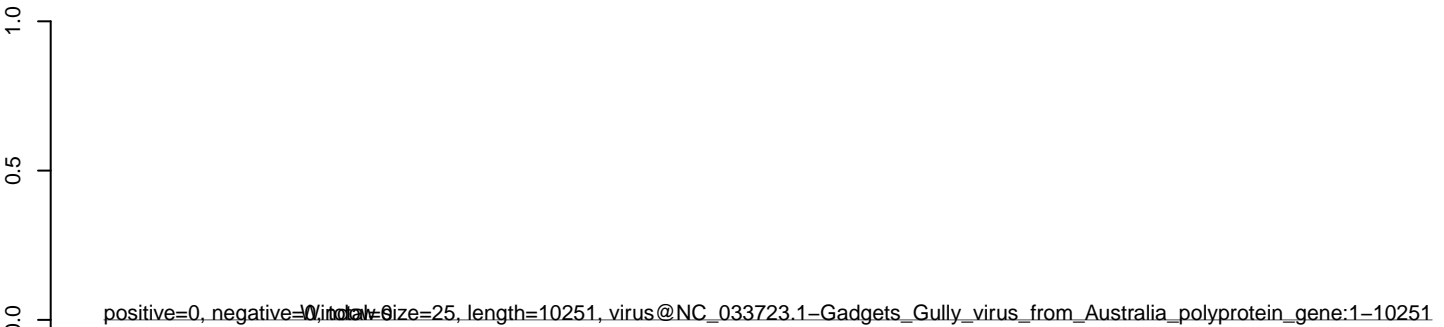
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



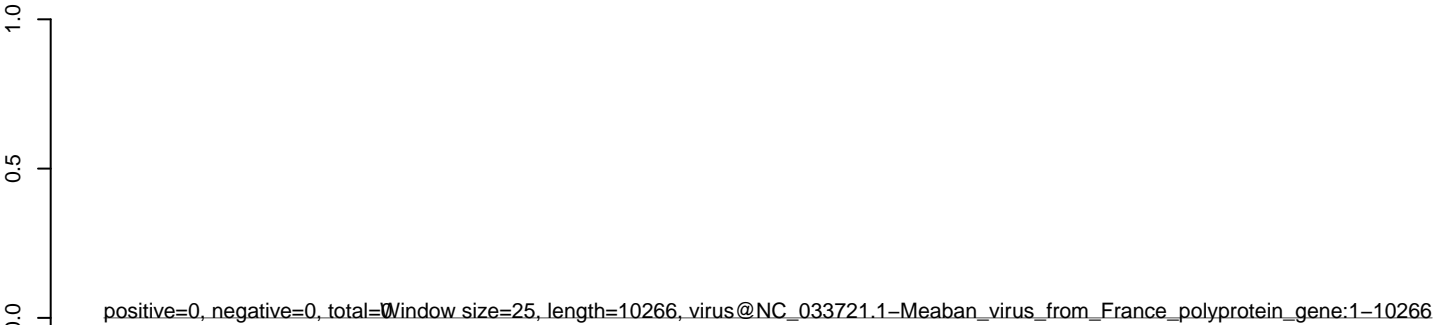
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**





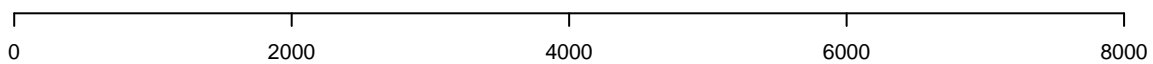
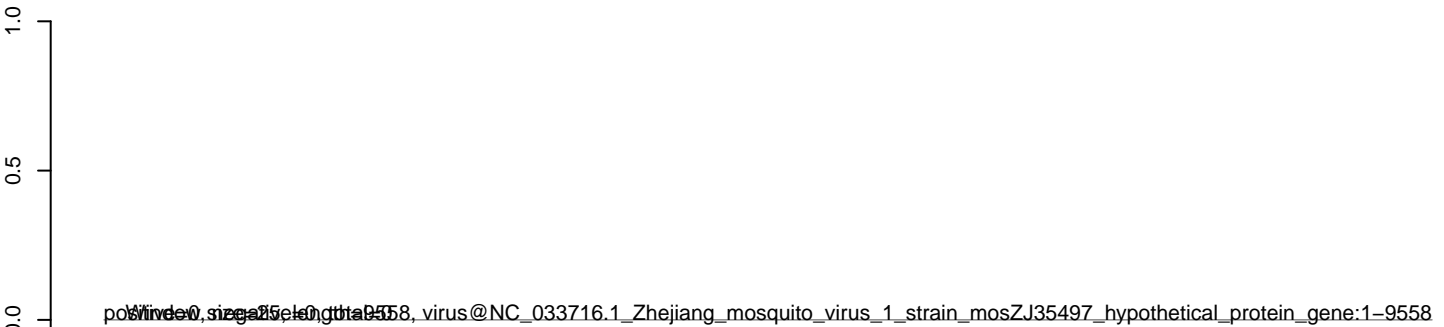
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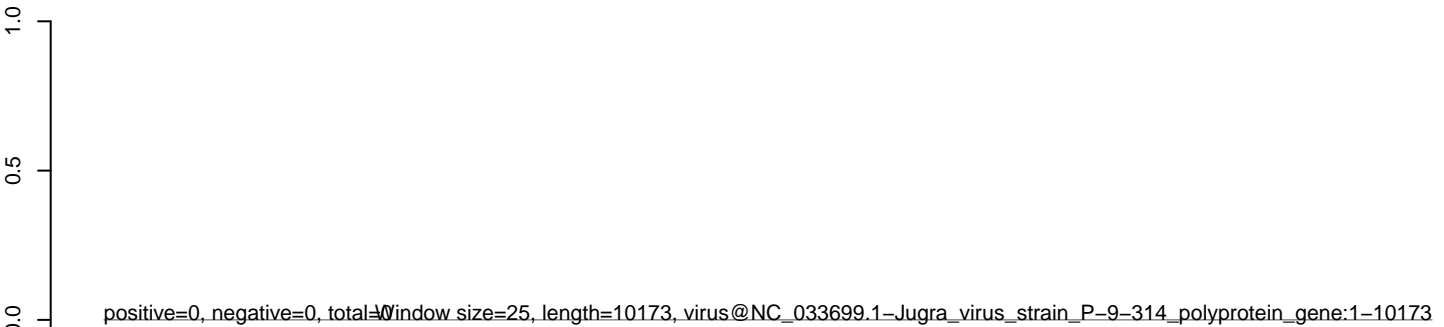
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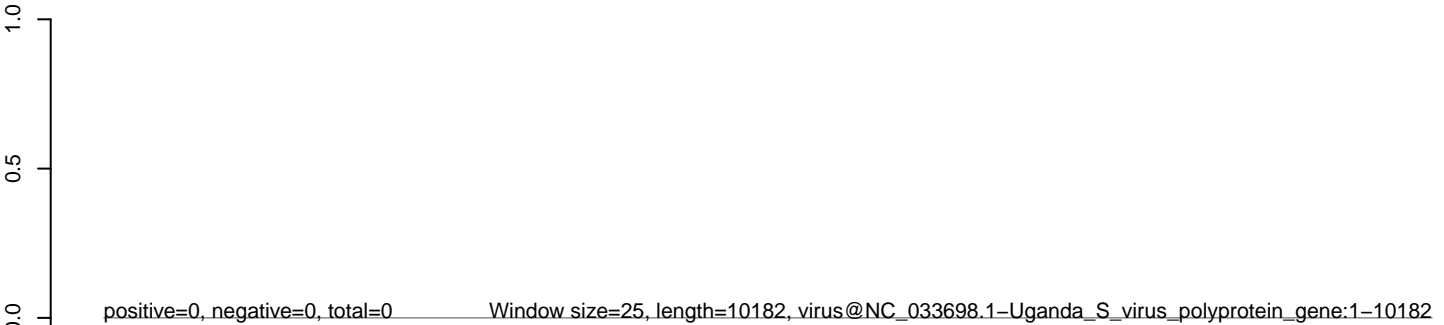
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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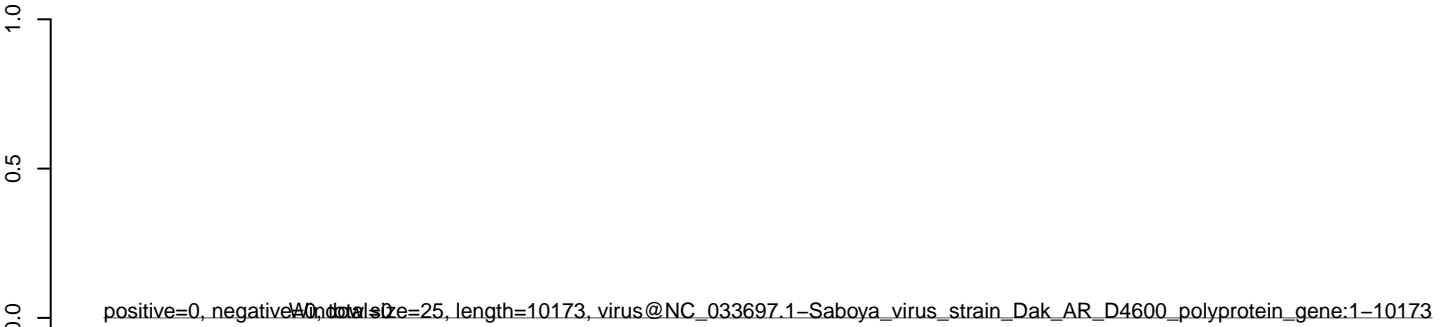
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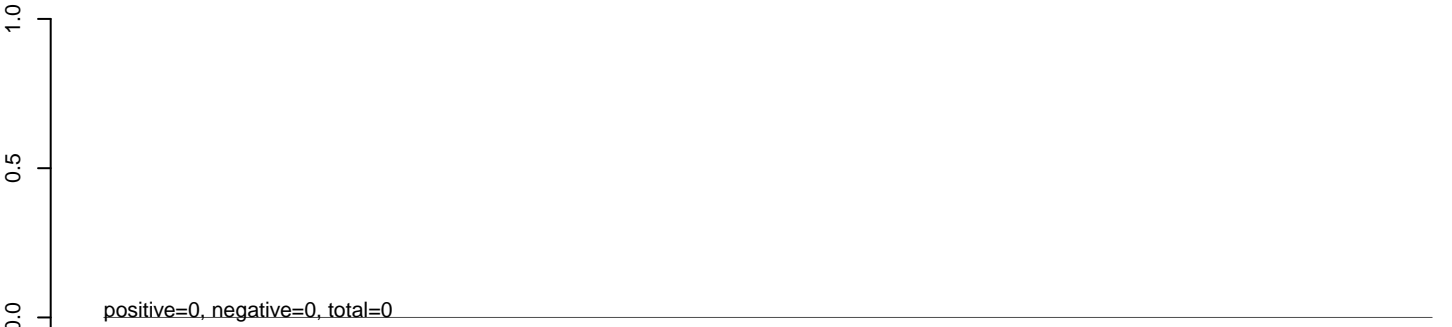
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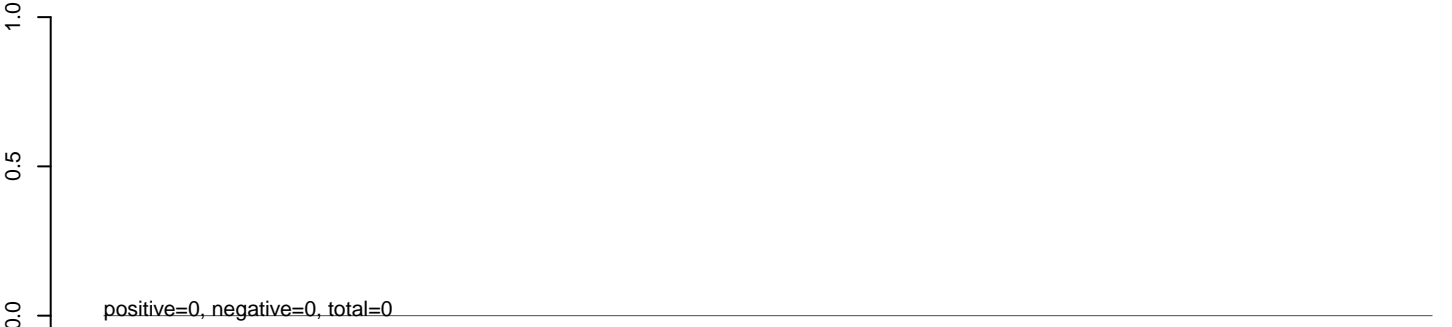
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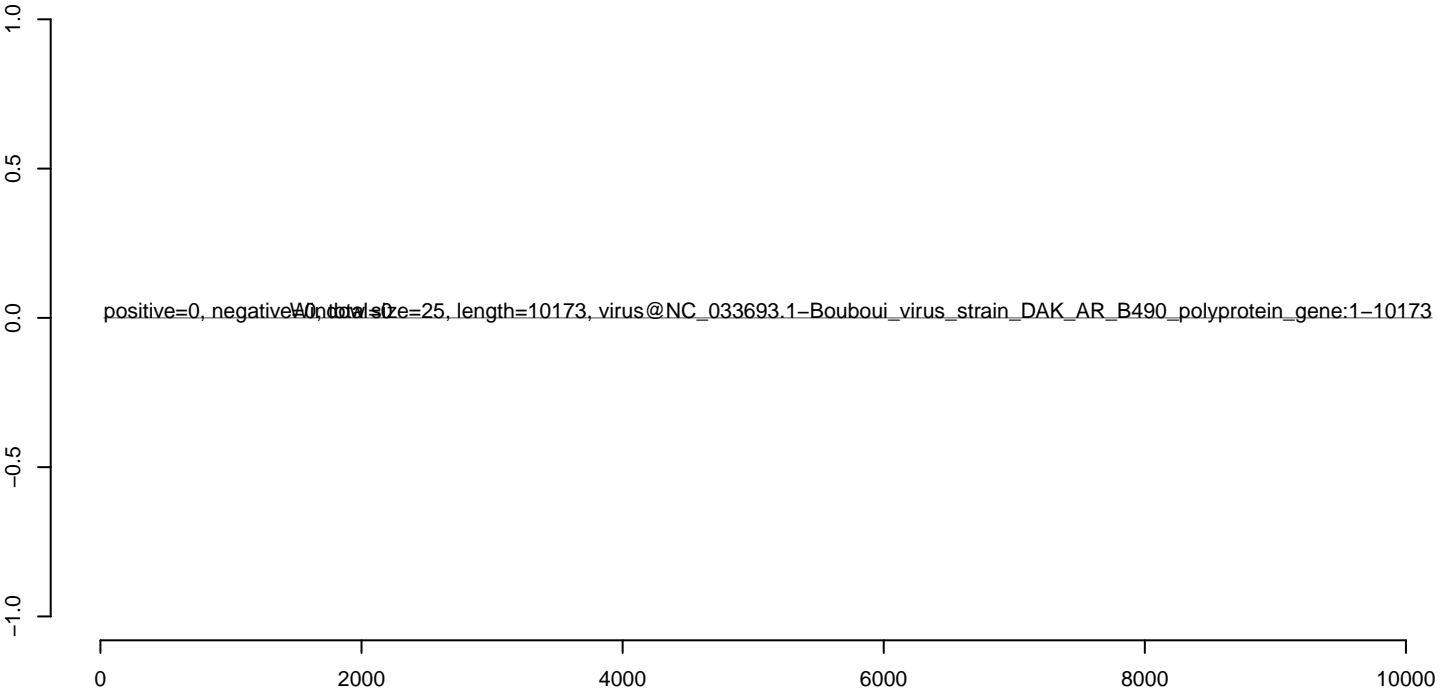
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



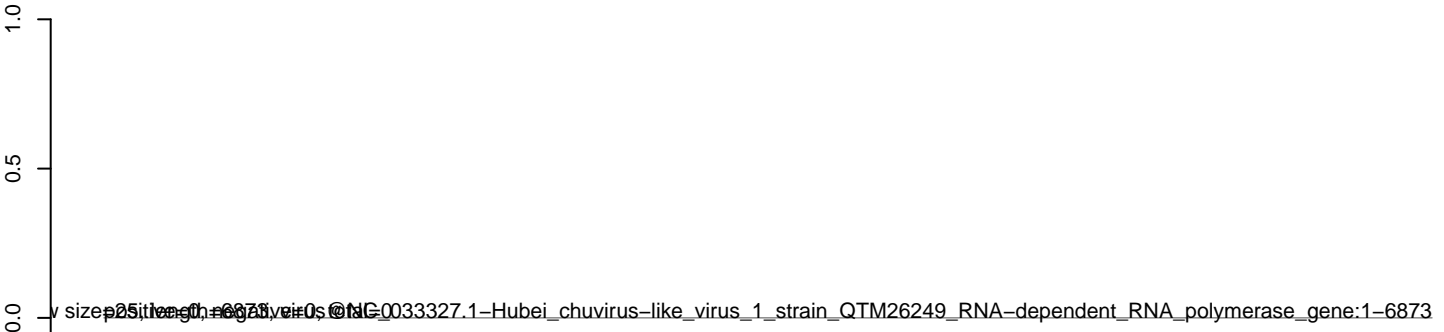
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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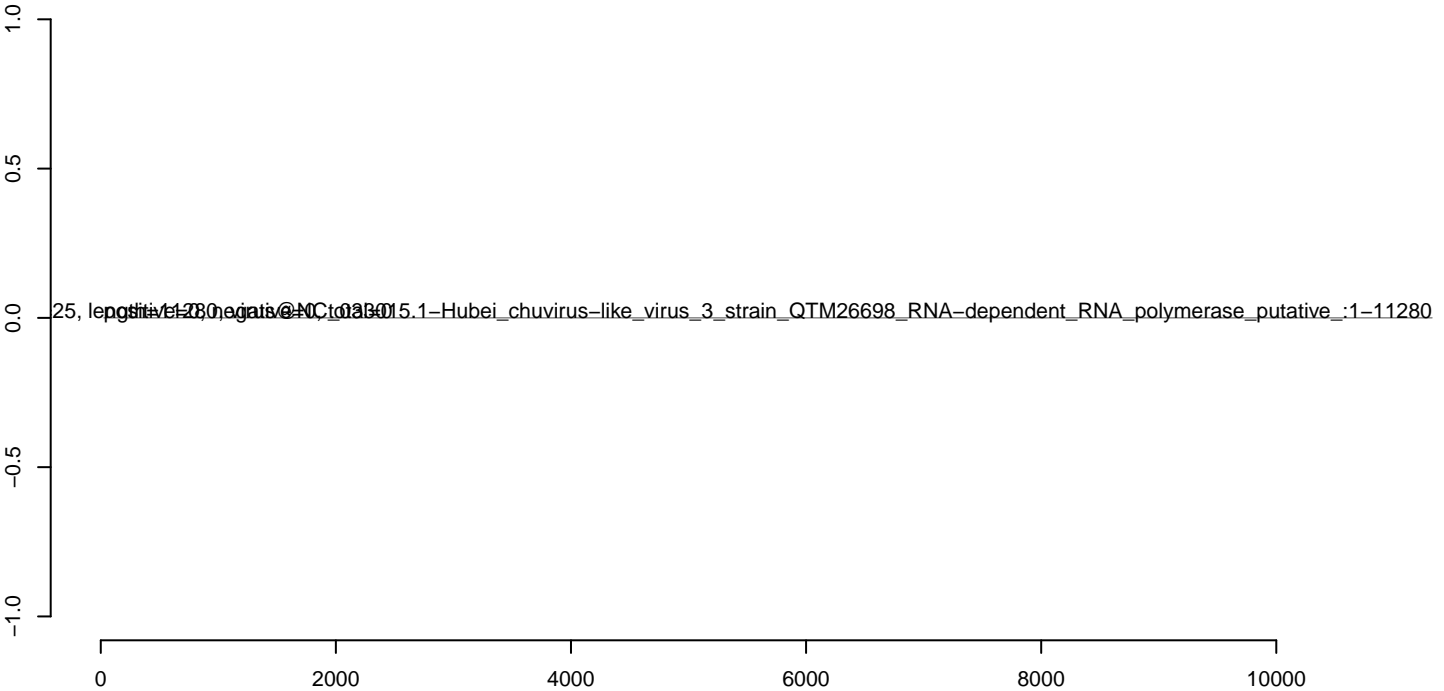
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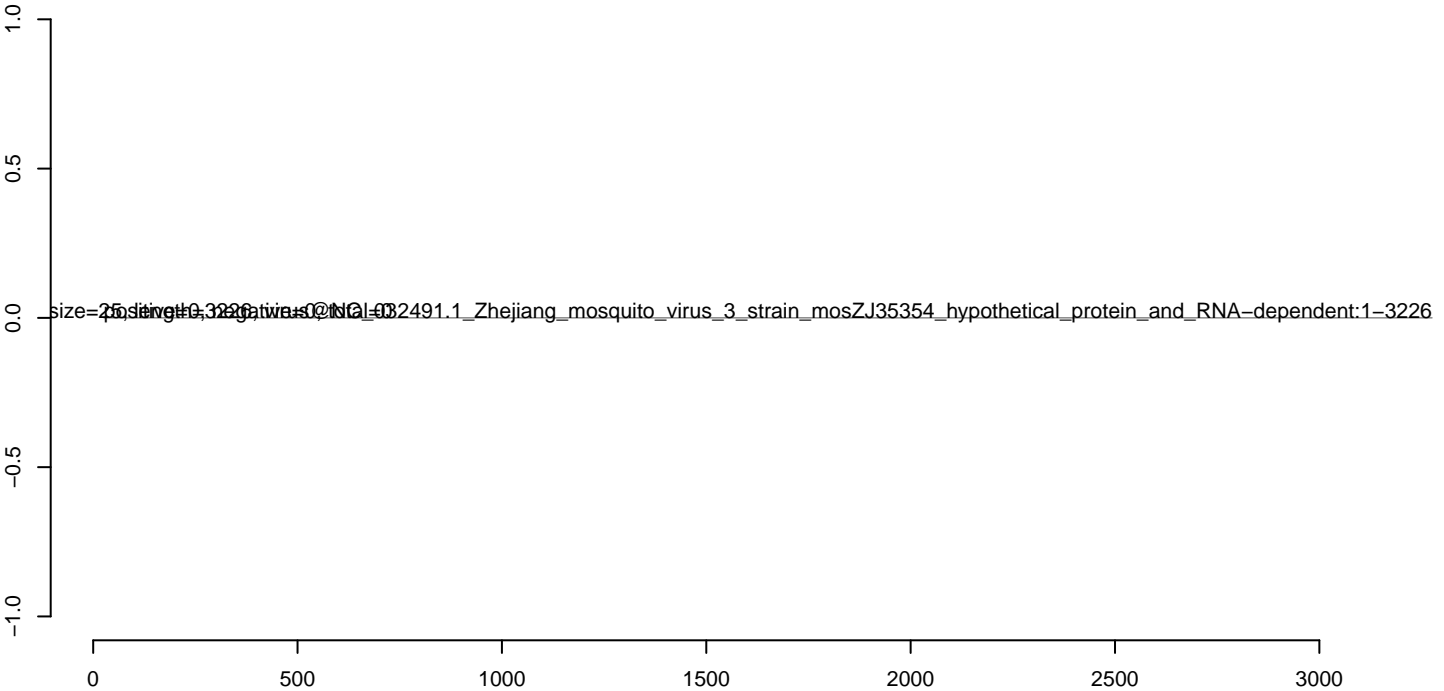
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**





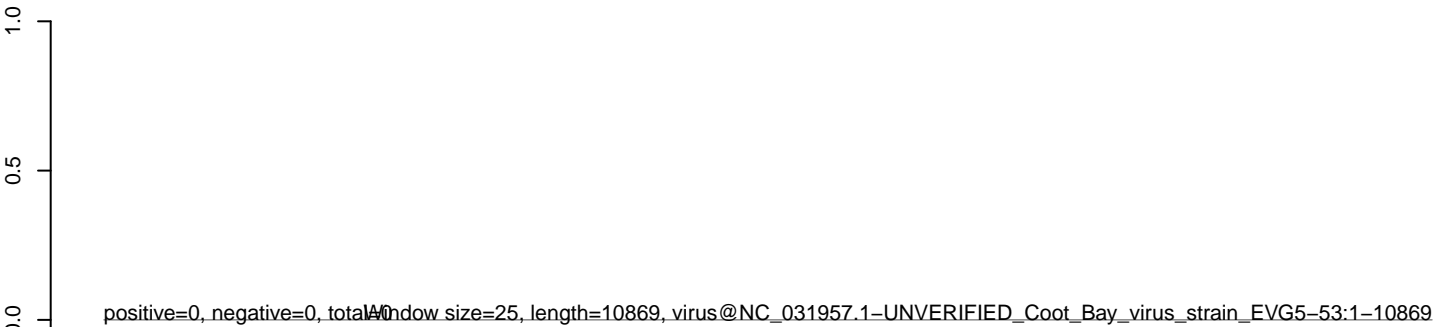
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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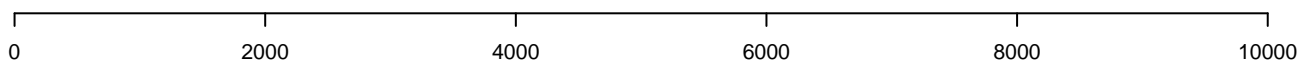
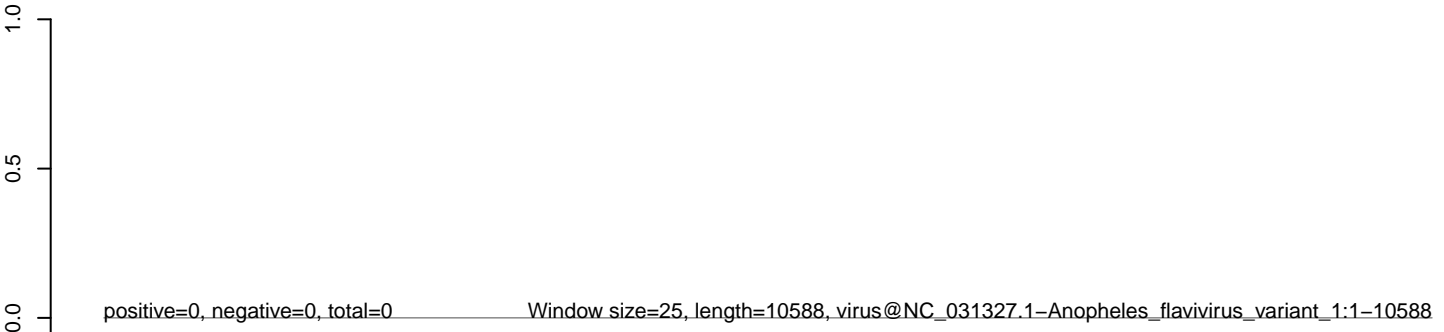
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



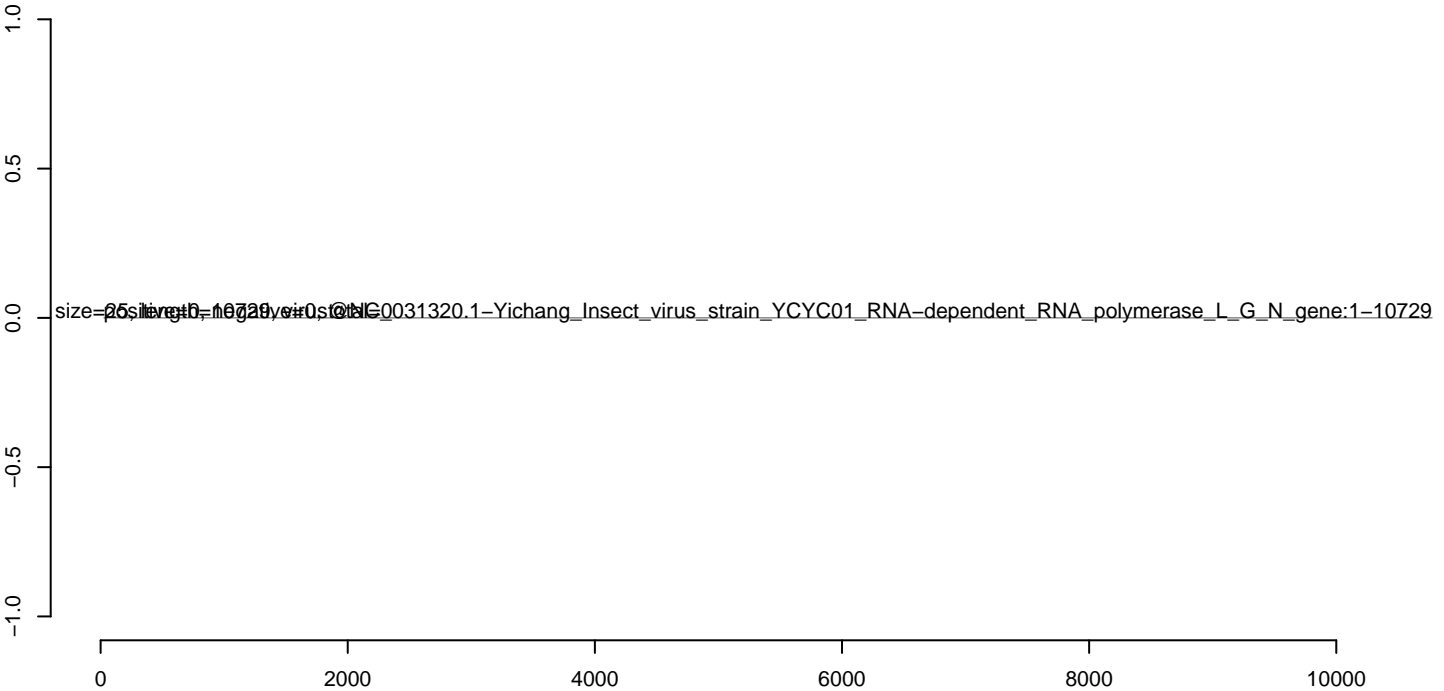
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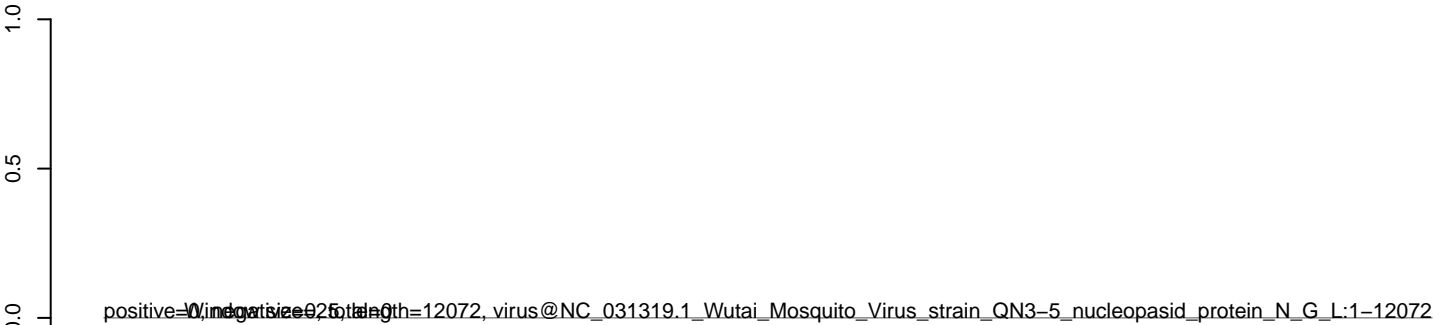
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**

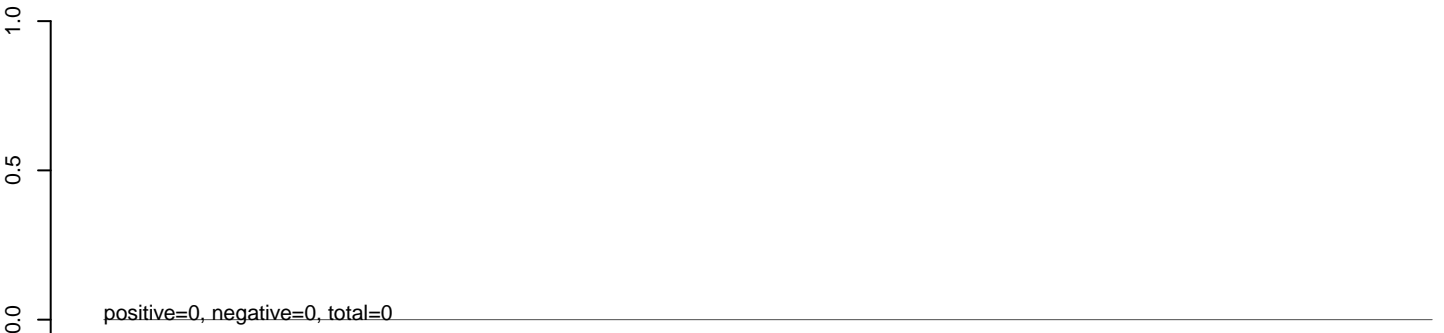


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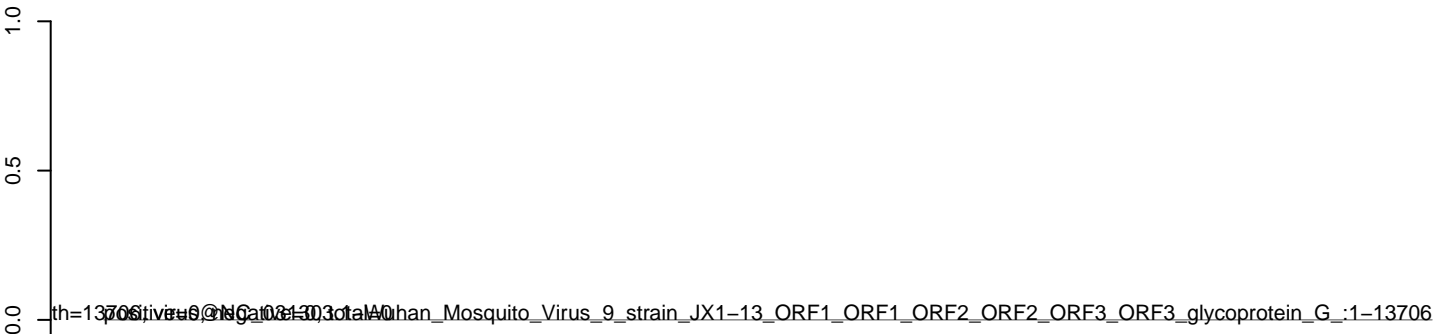
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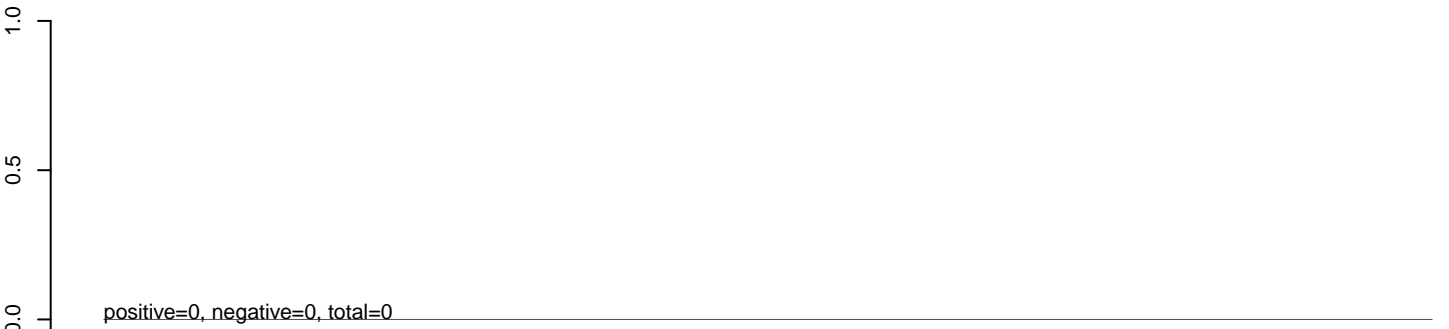
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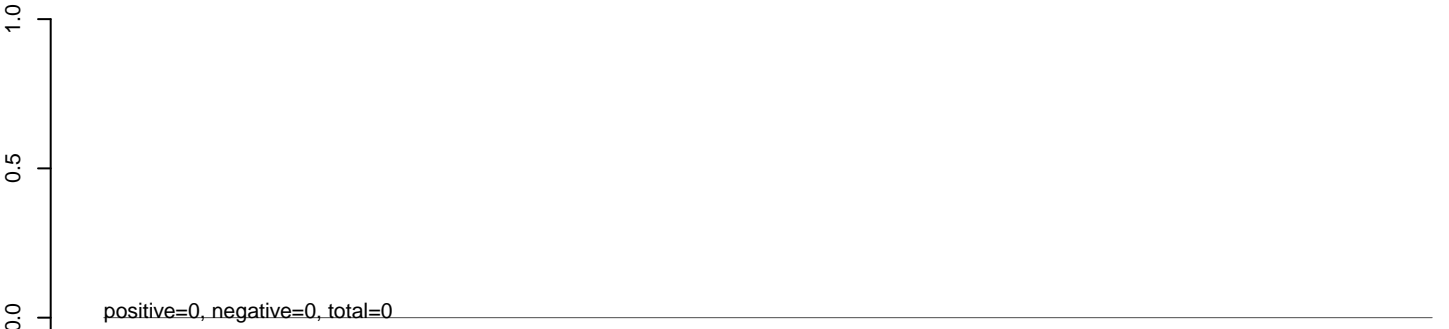
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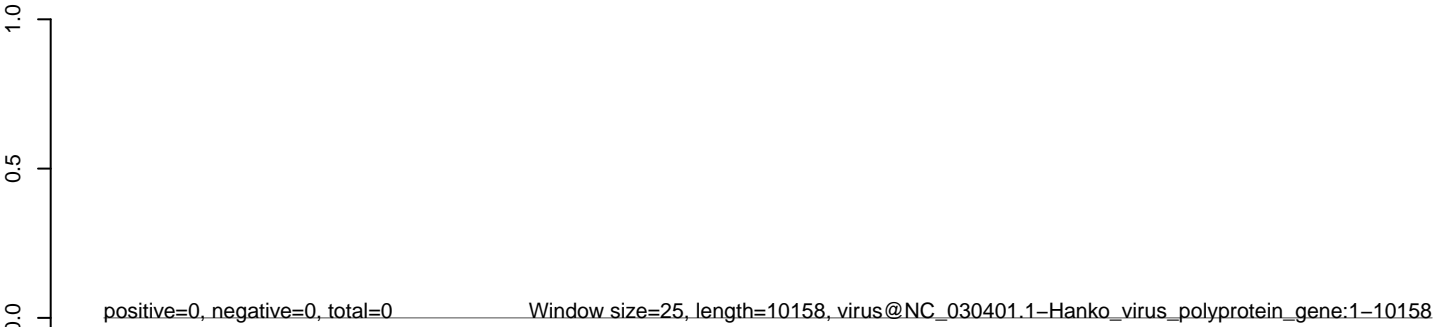
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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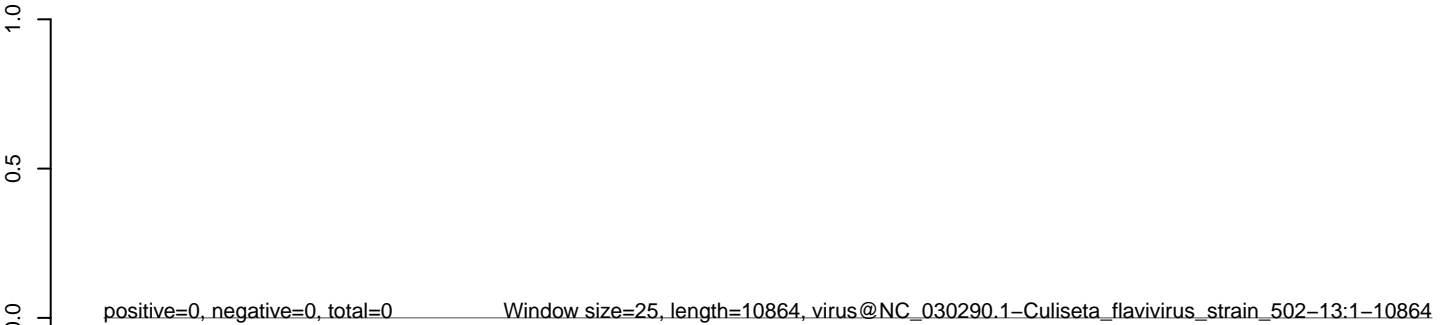
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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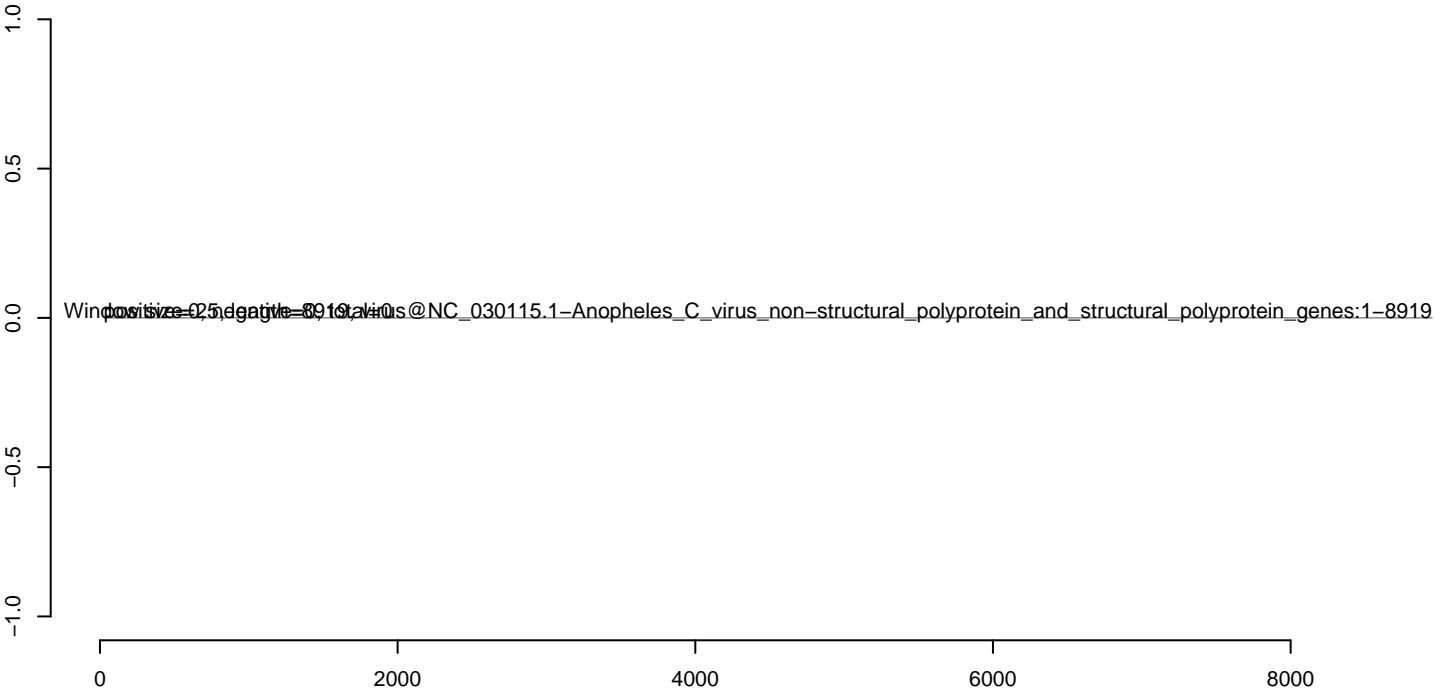
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**





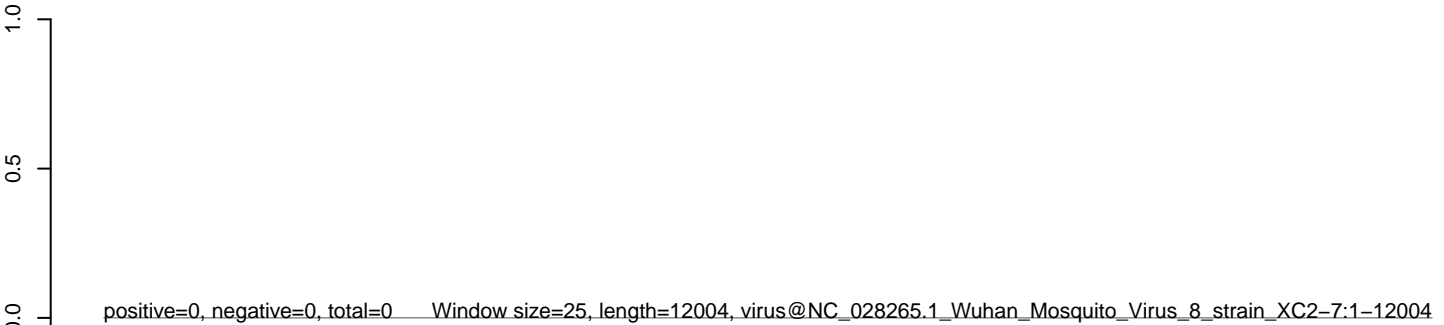
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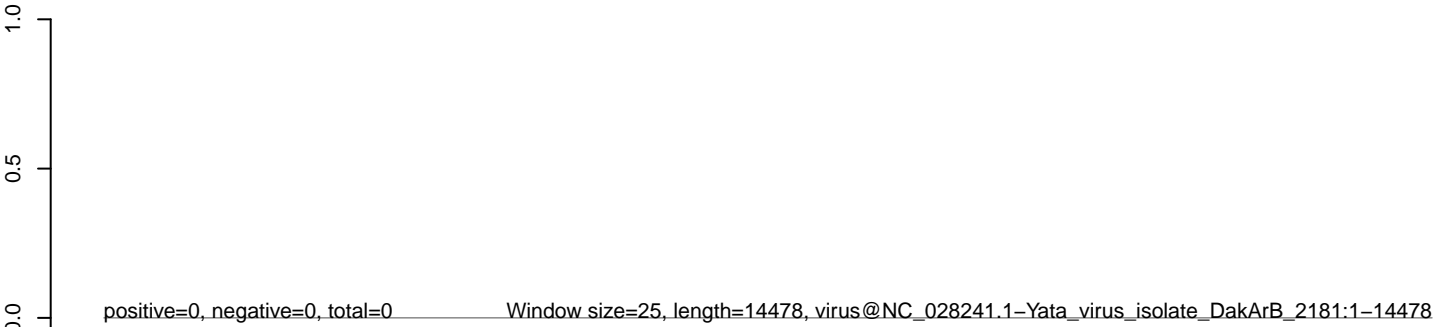
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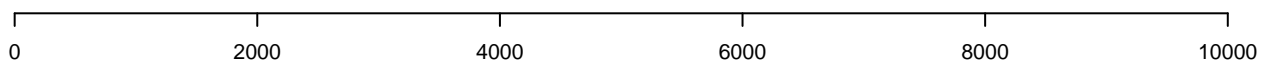
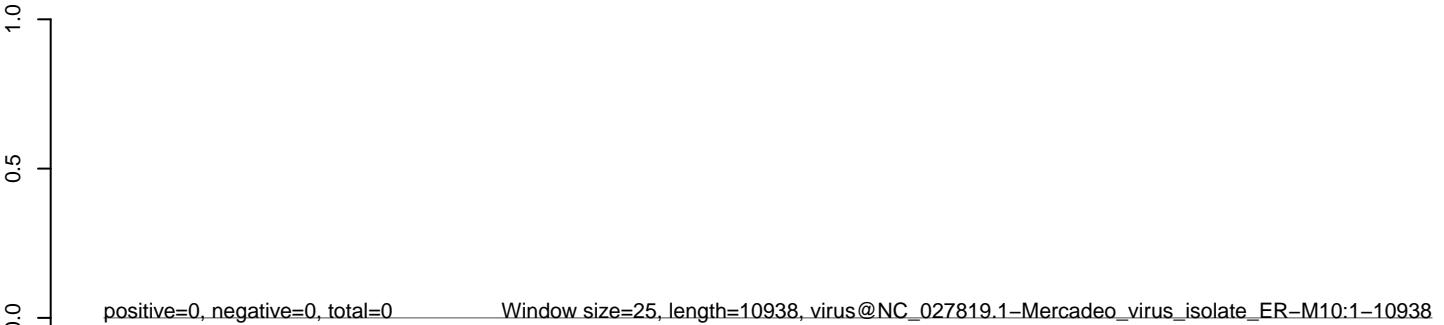
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



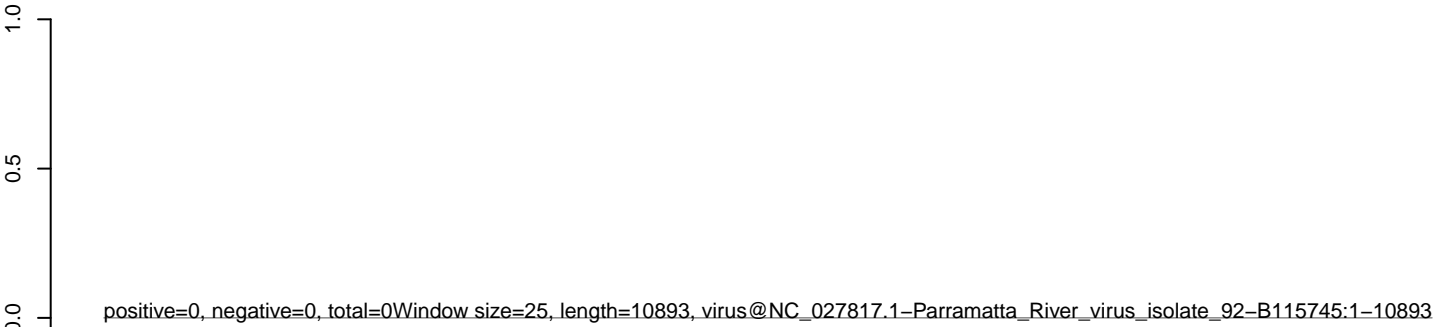
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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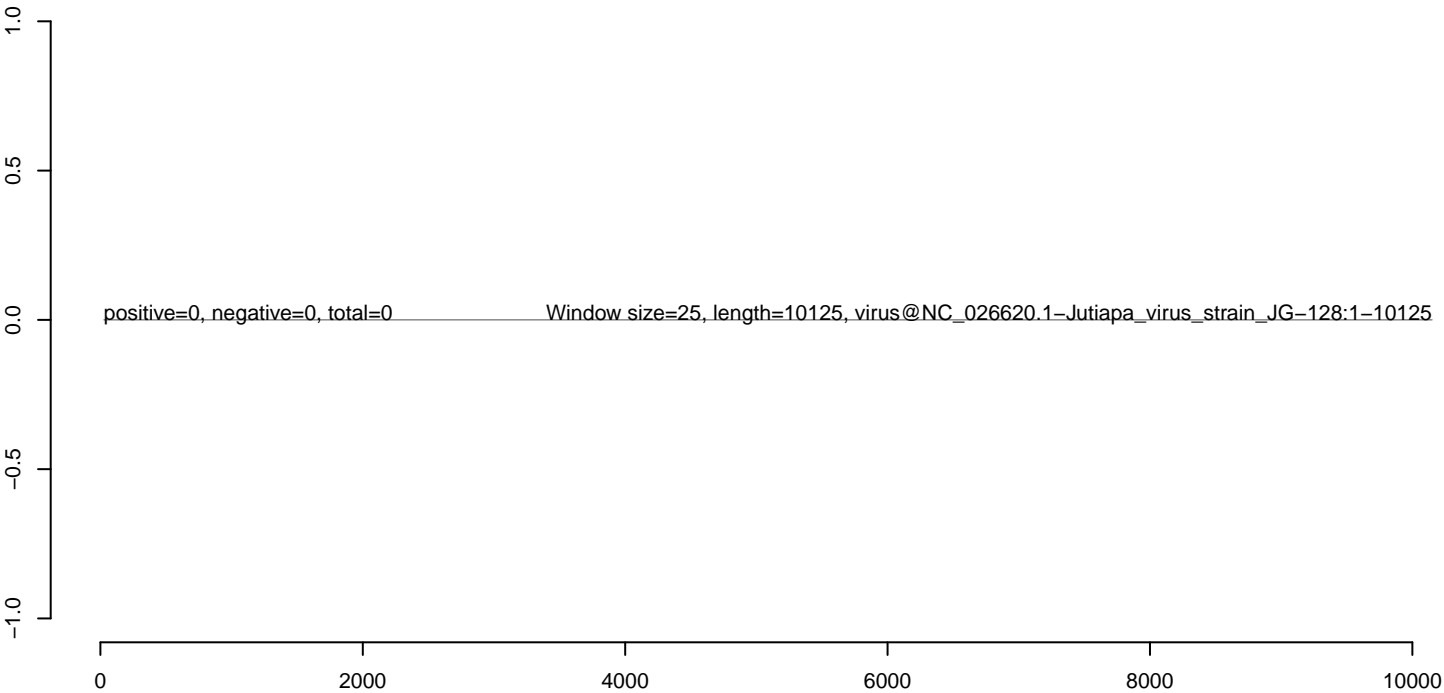
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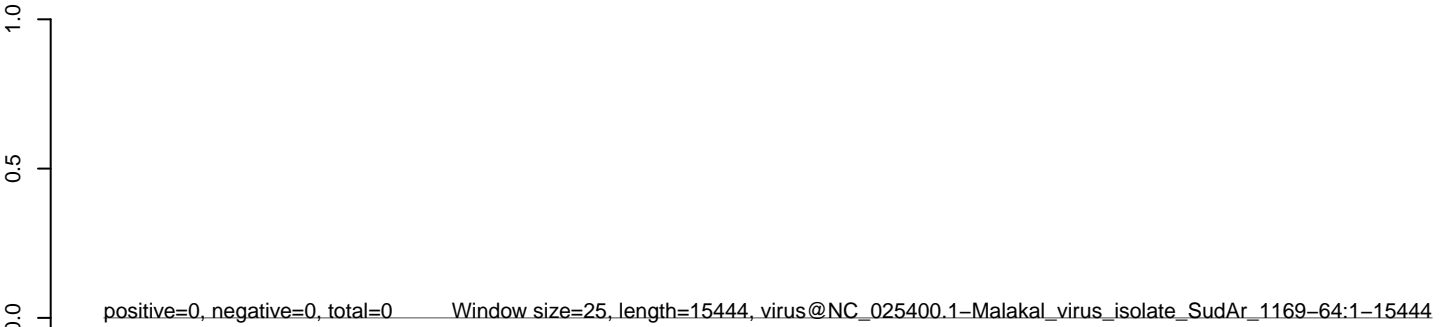
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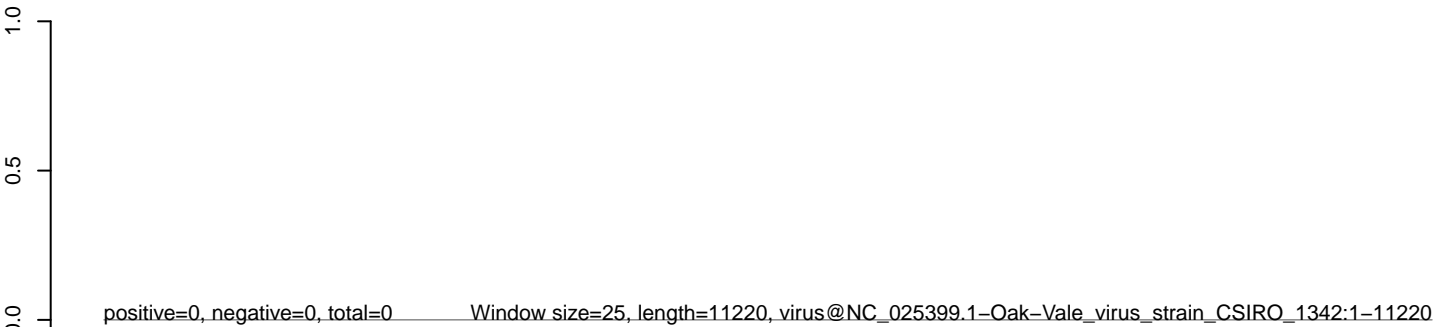
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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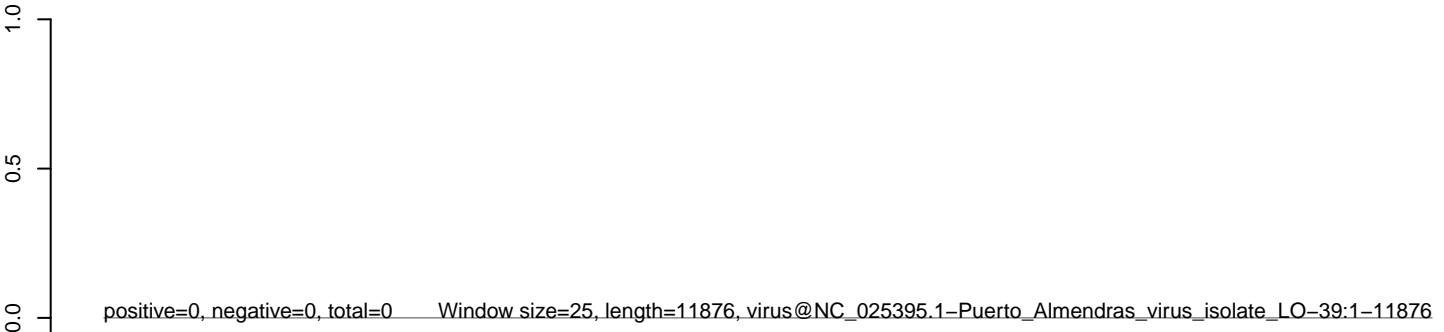
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**





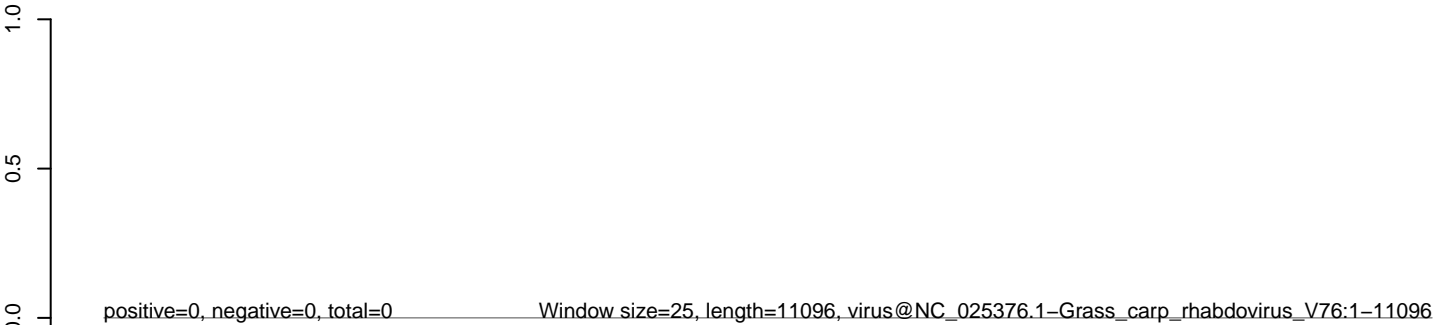
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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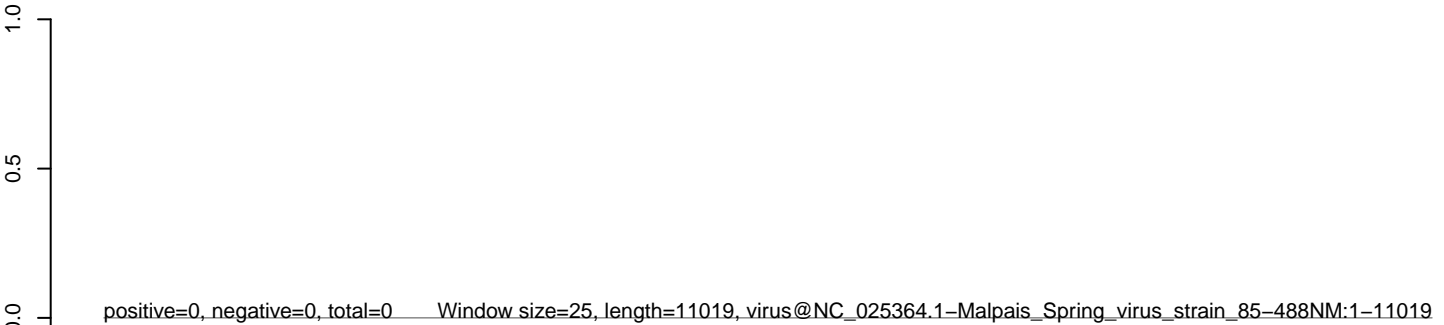
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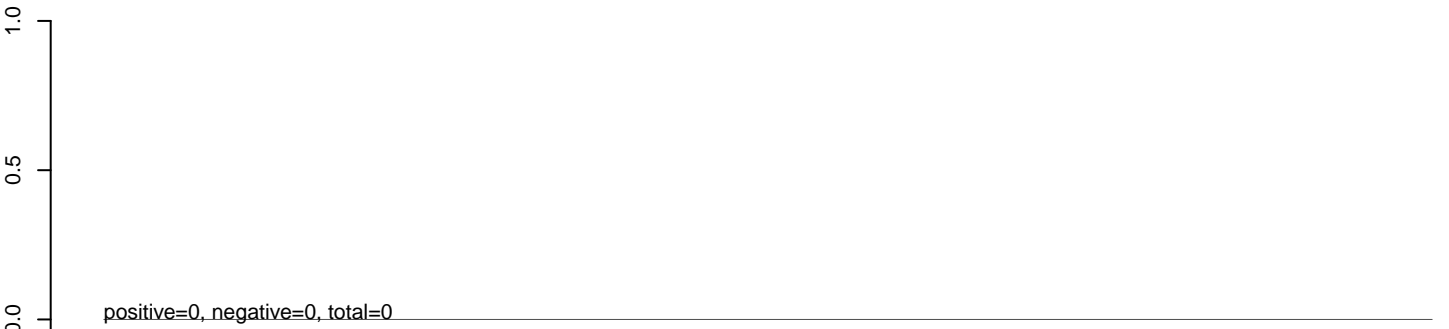


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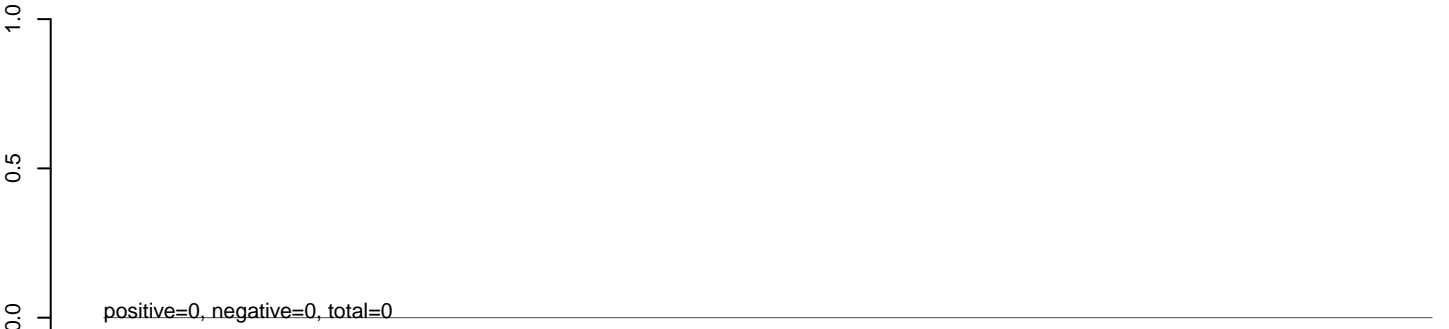


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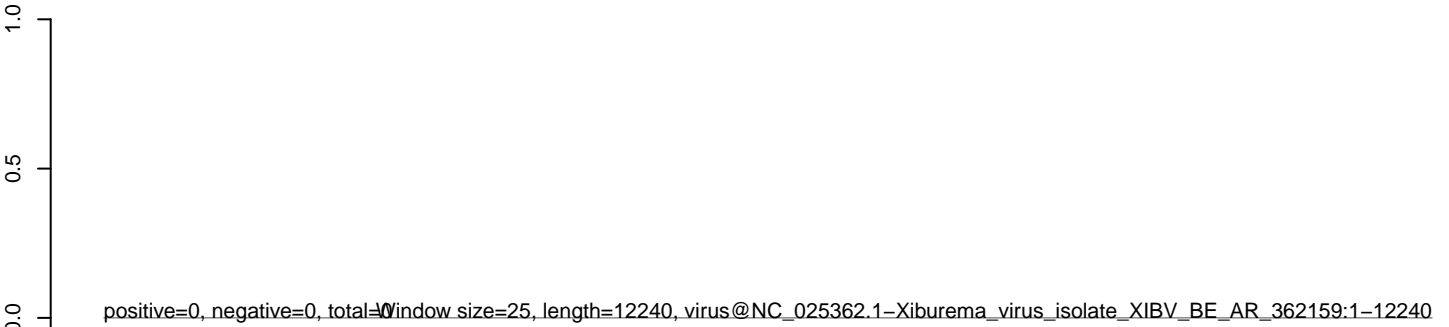
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



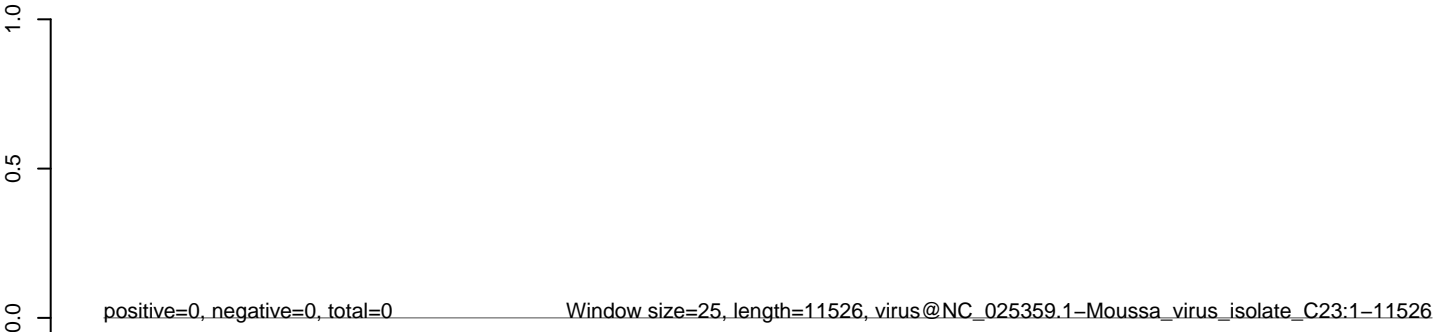
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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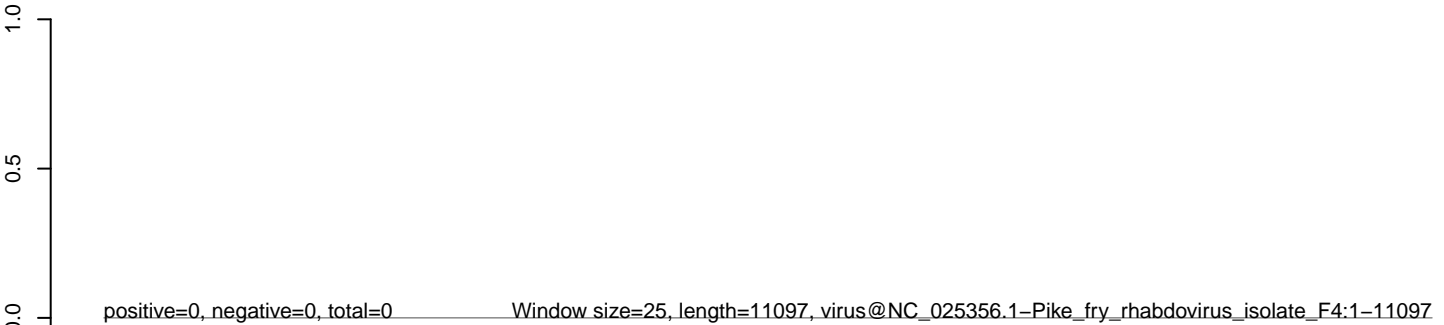
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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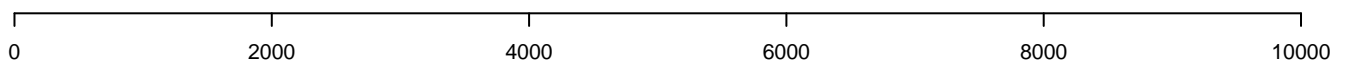
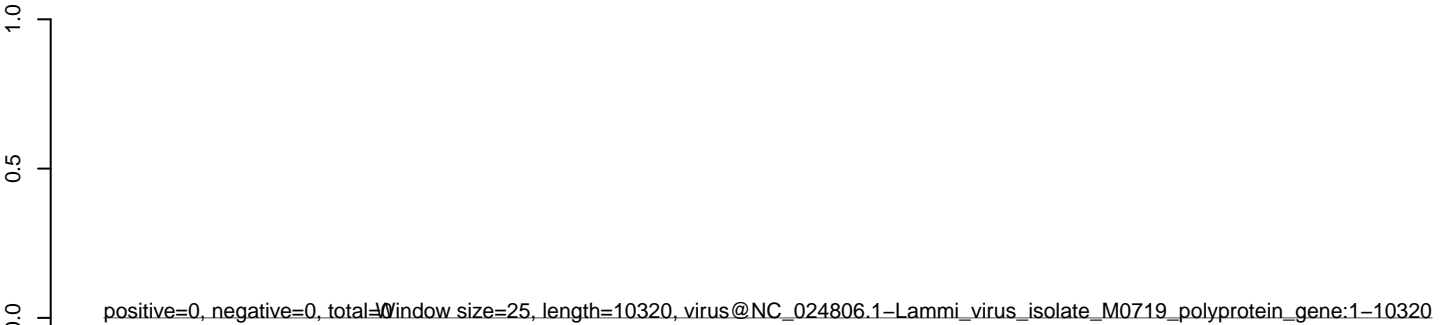
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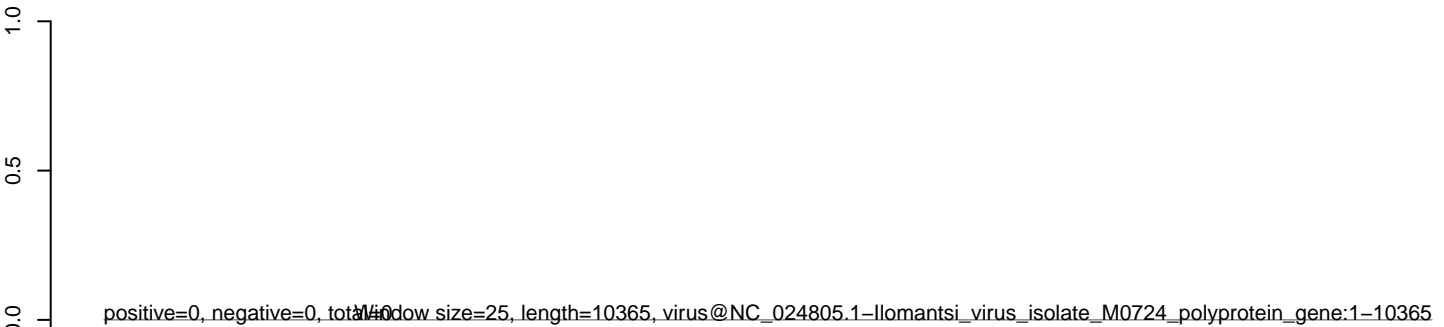
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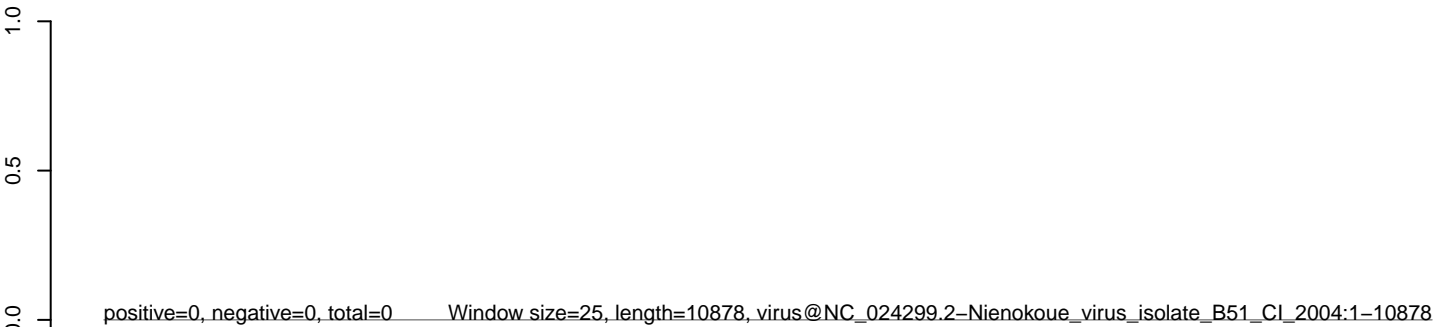
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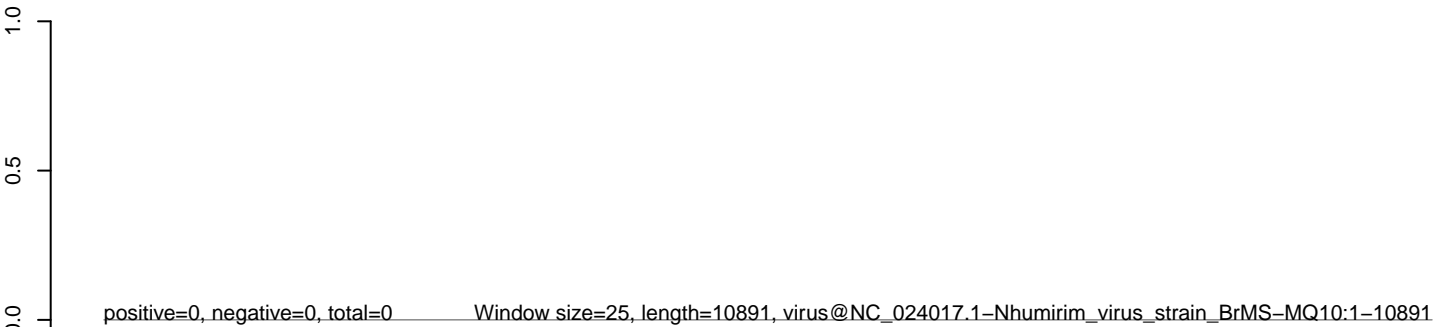
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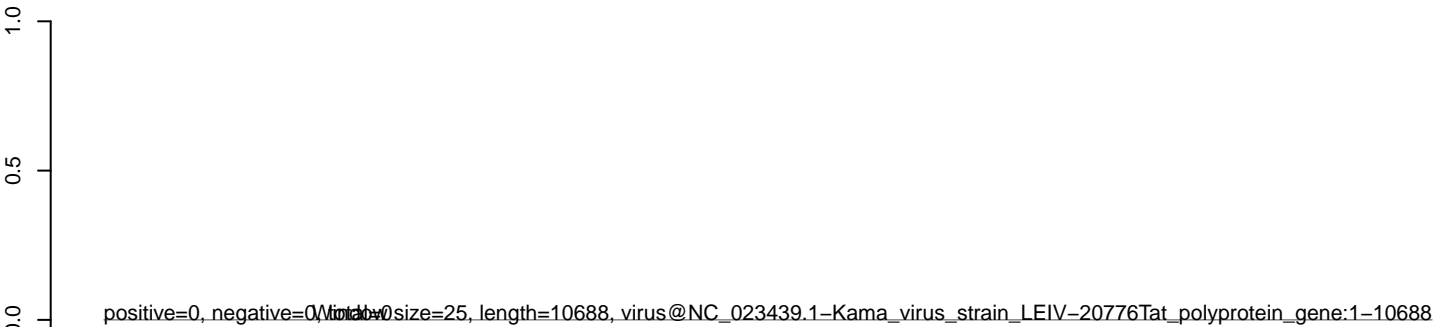
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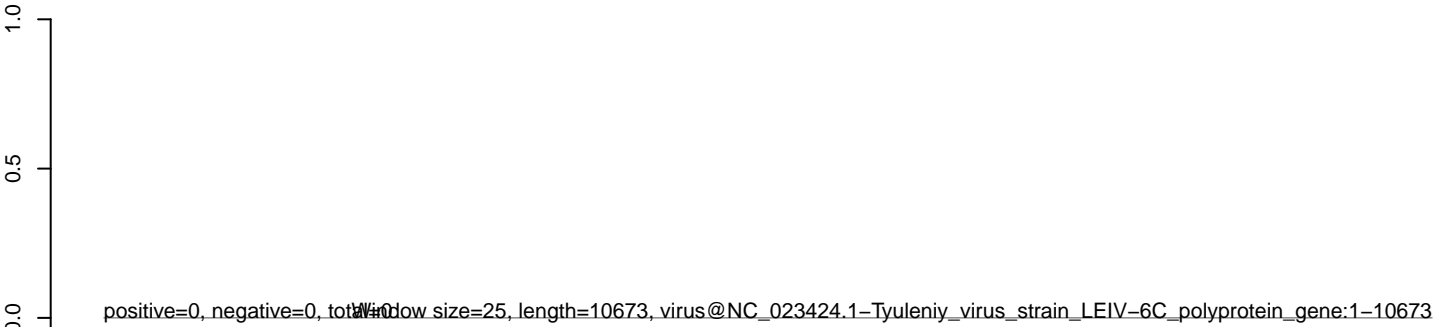
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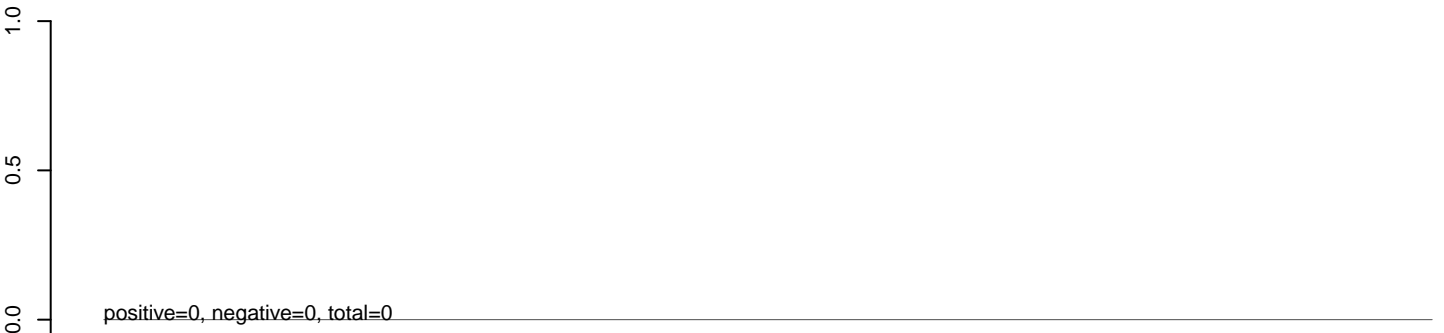


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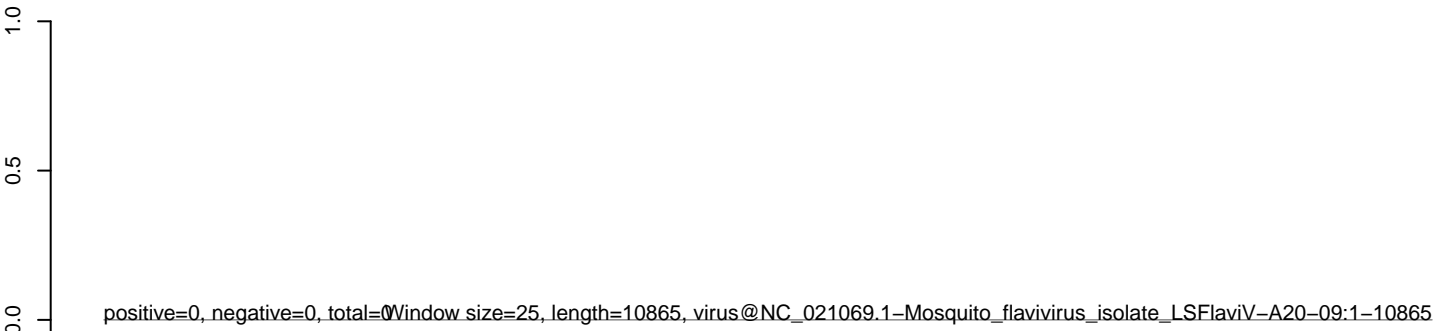
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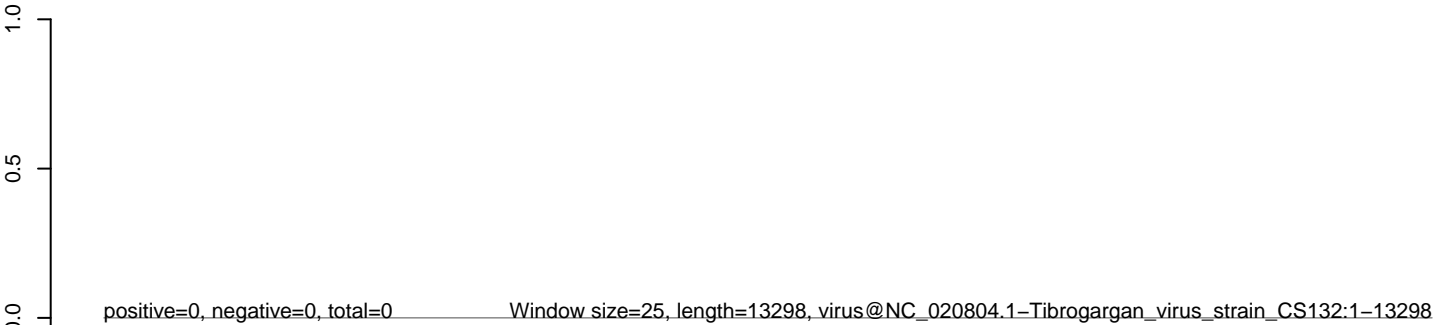
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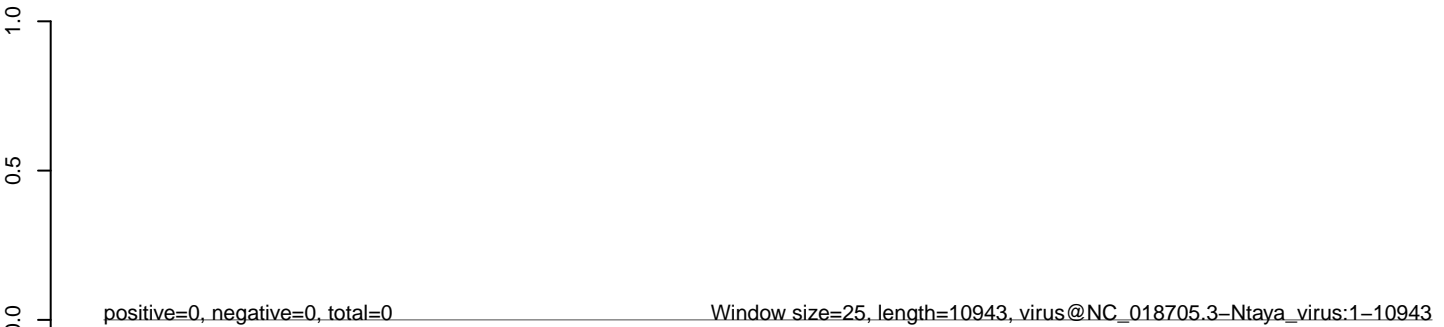
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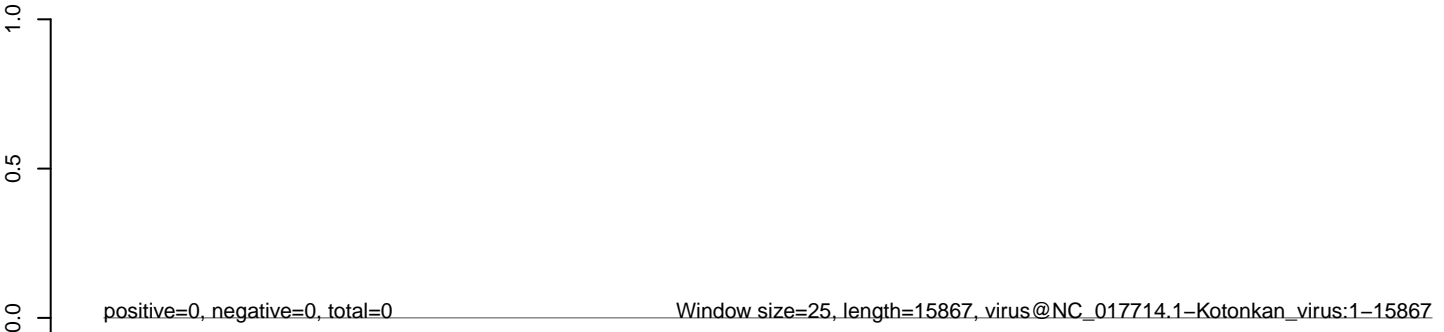
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



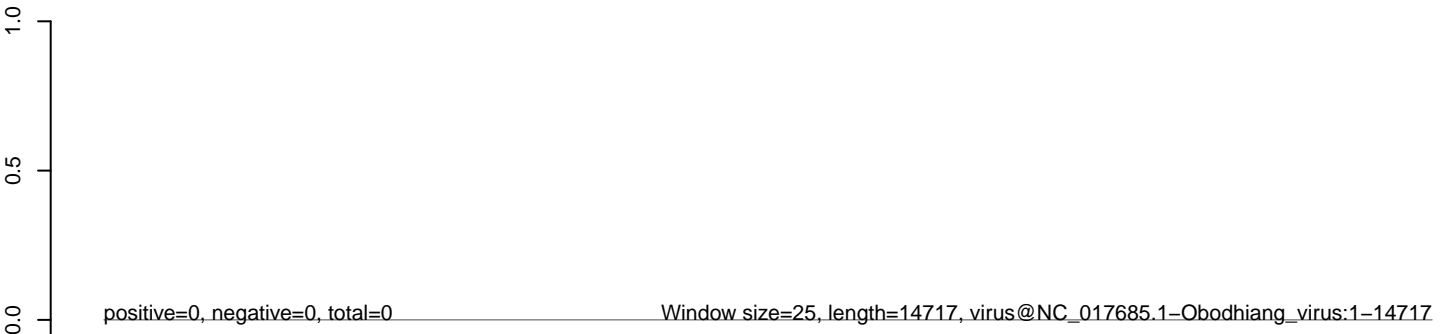
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**





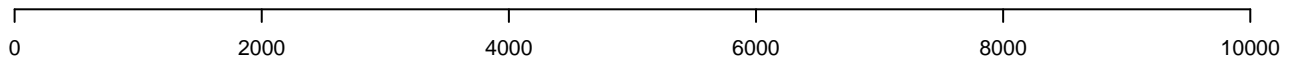
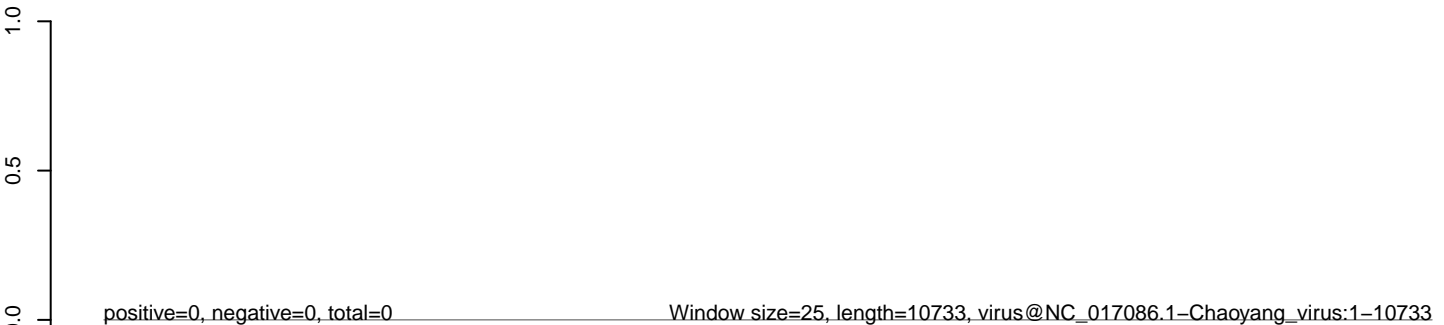
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



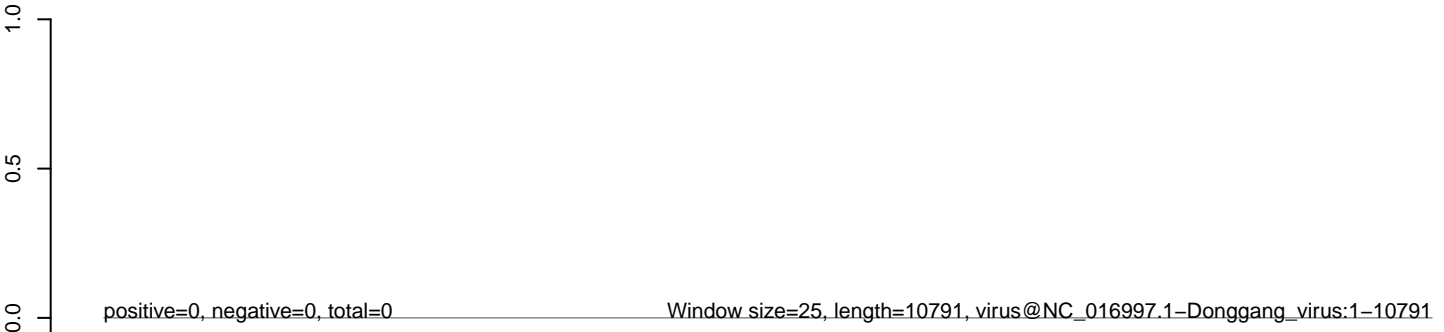
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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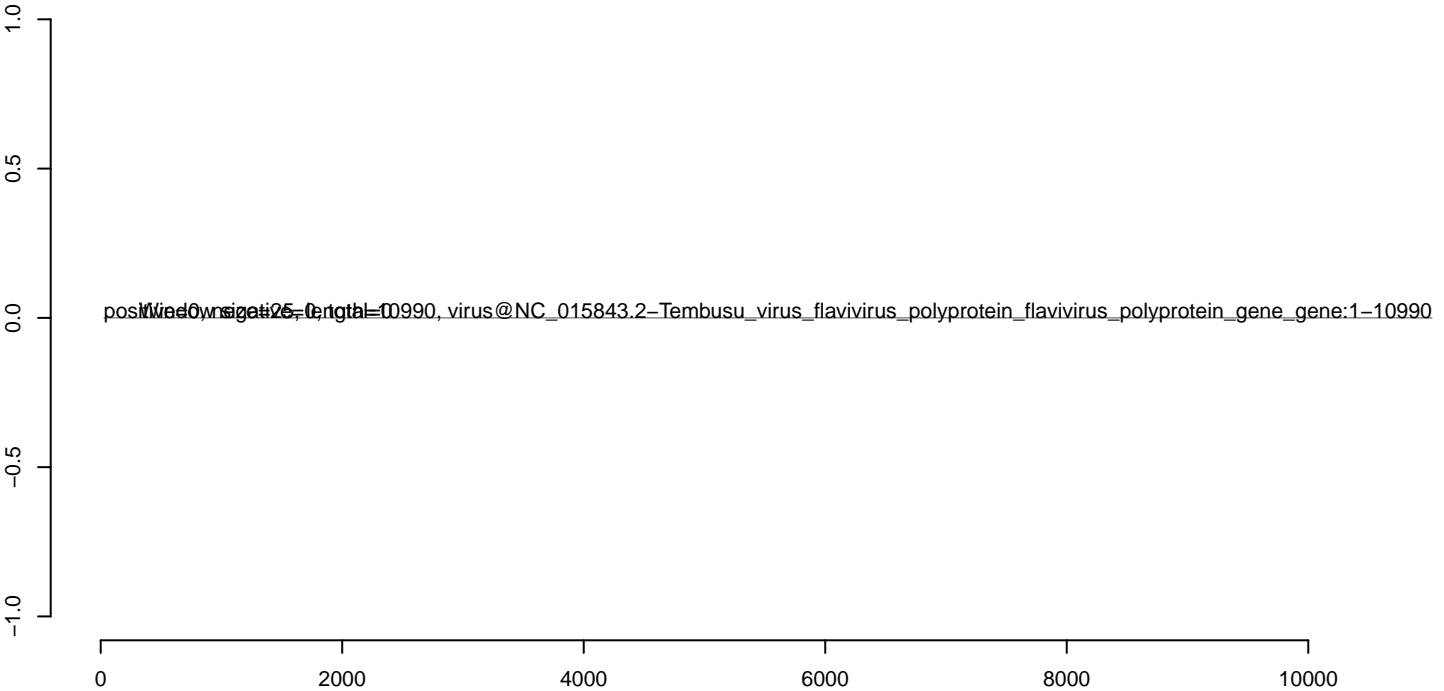
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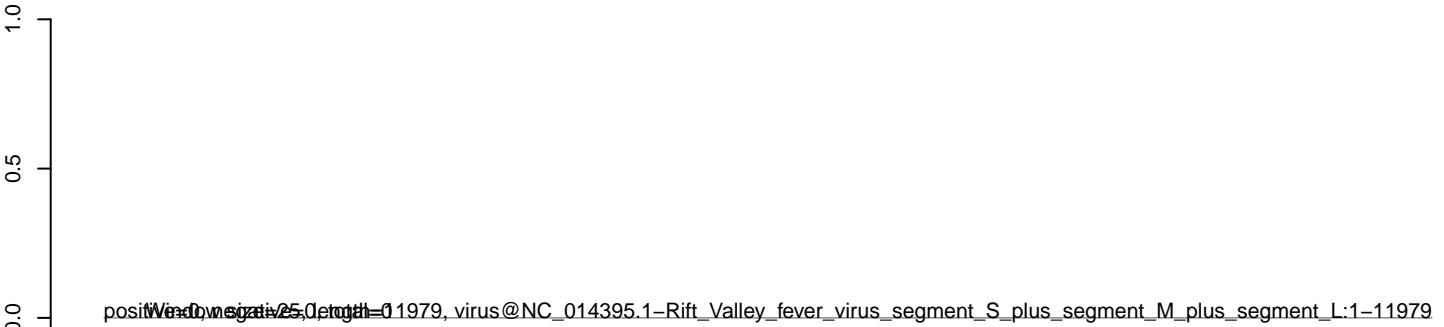
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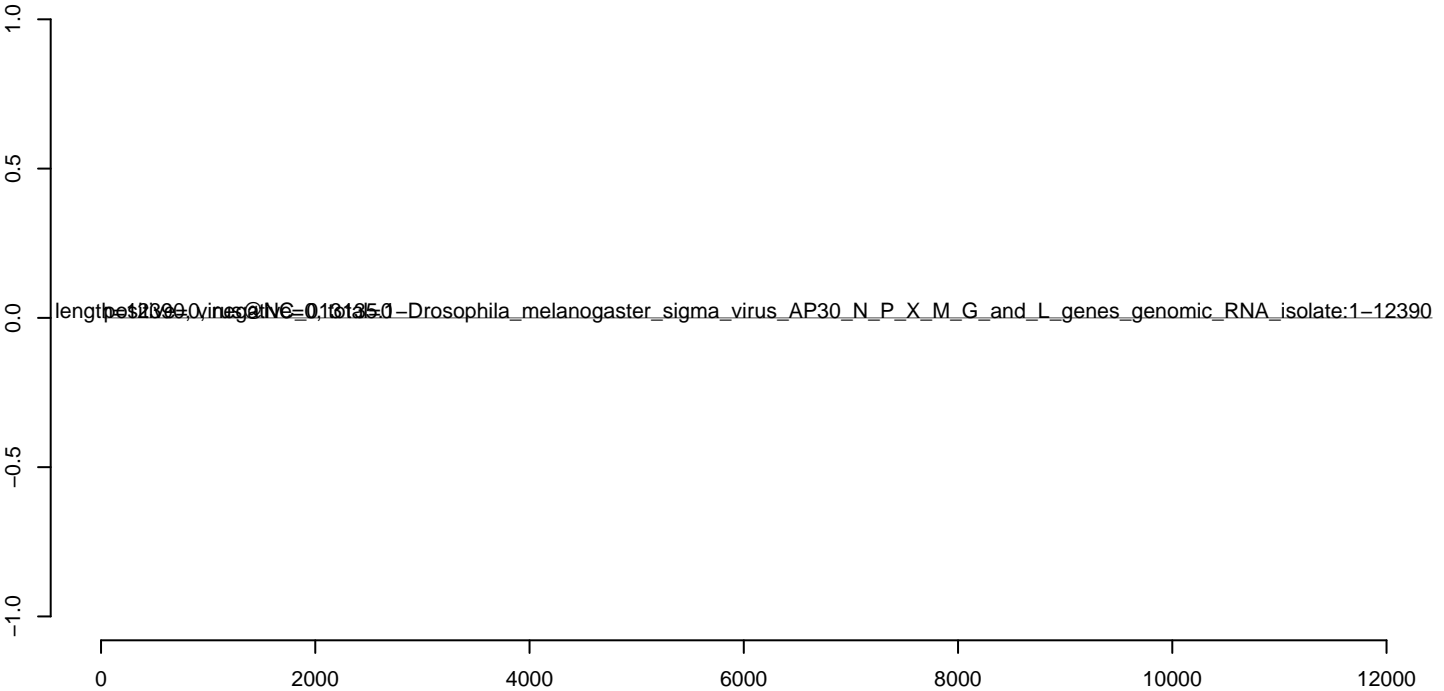
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



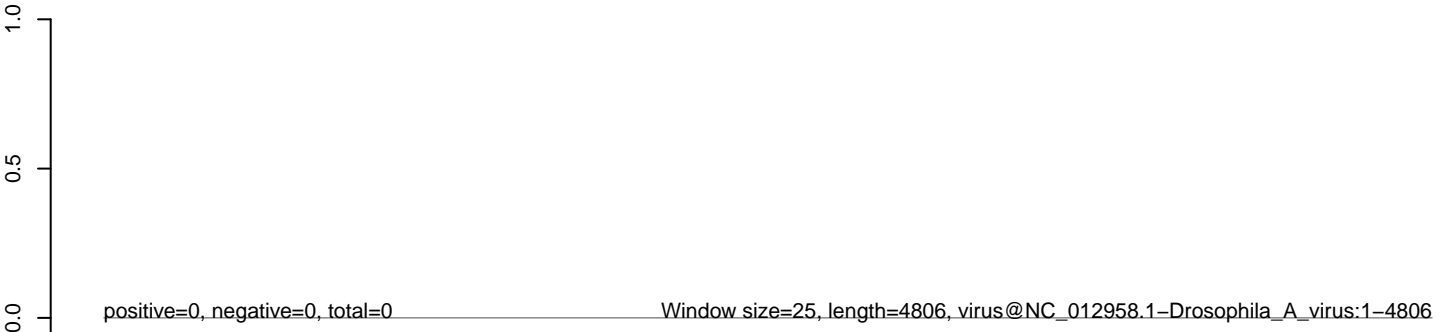
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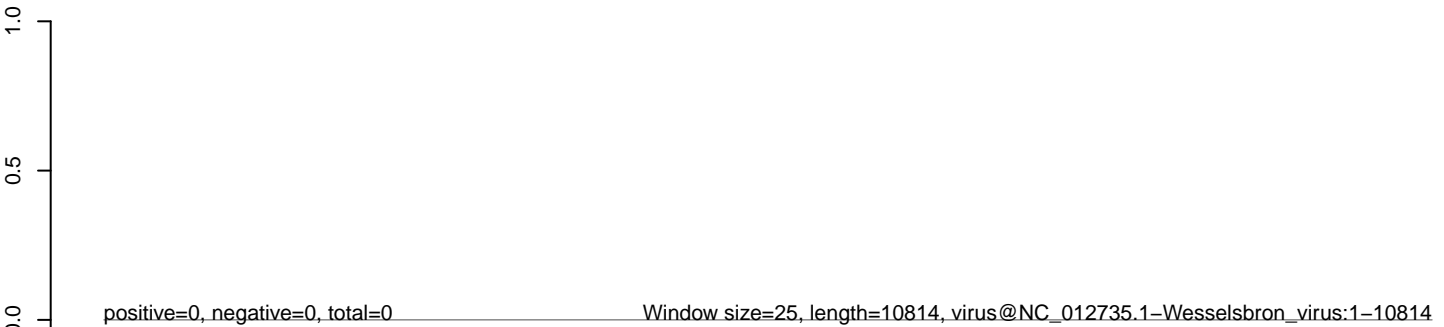
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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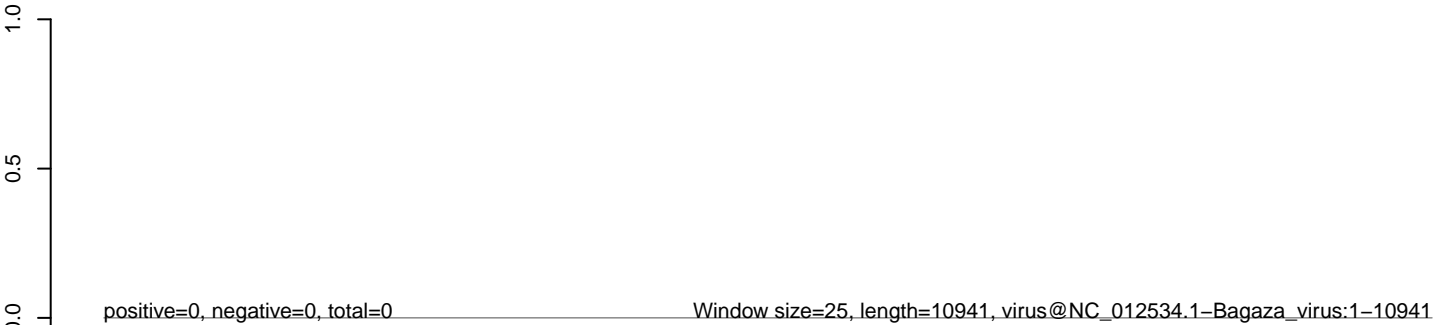
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



0 2000 4000 6000 8000 10000



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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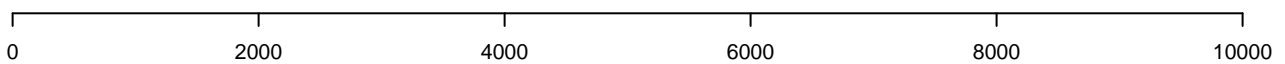
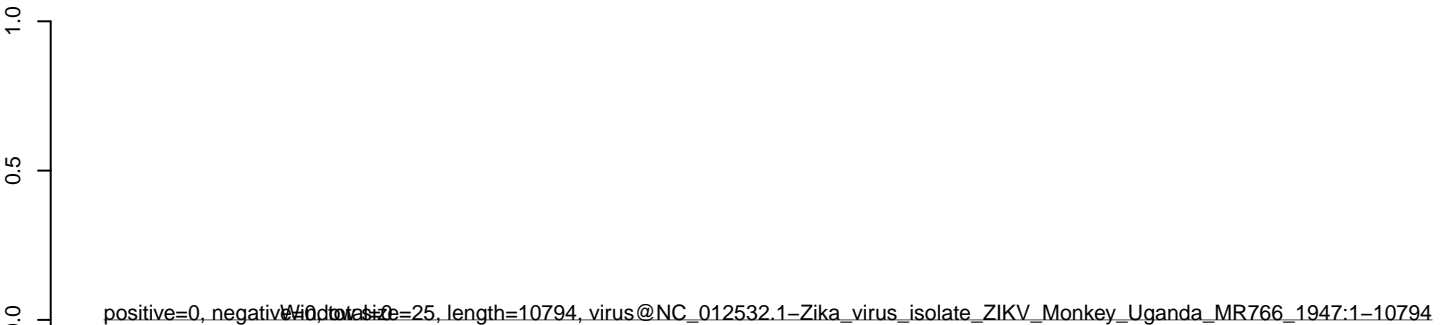
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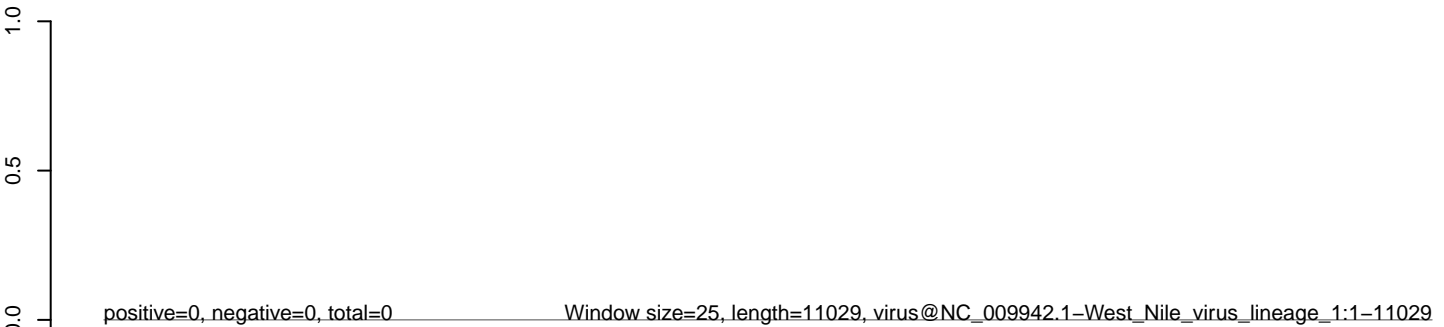
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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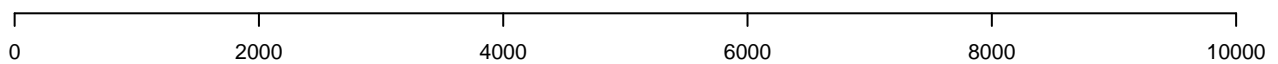
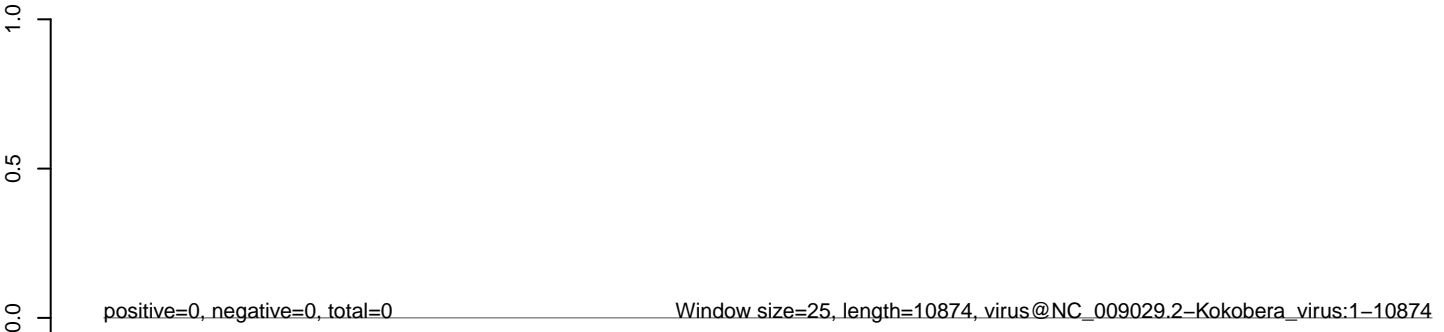
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



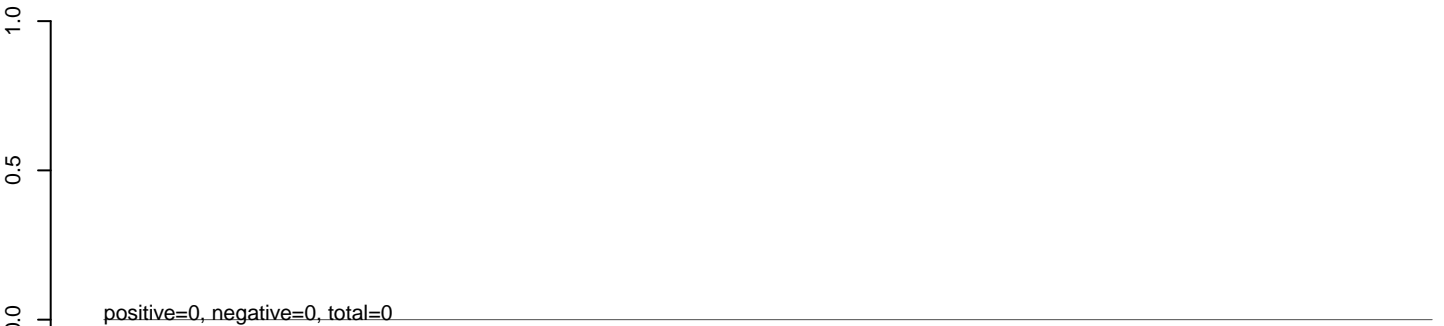
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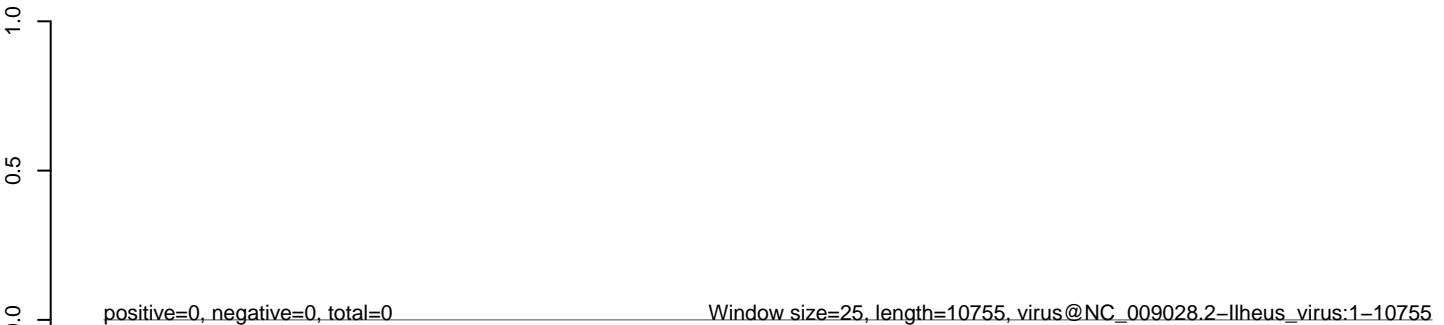
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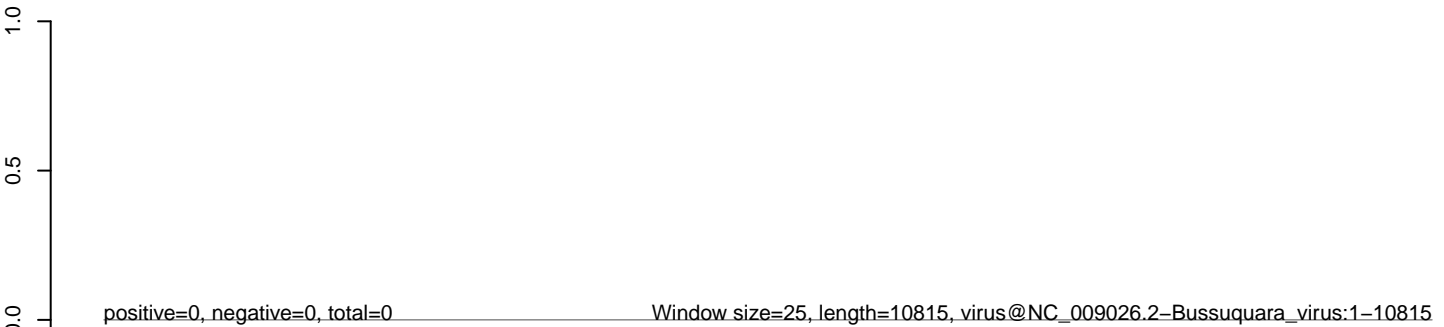
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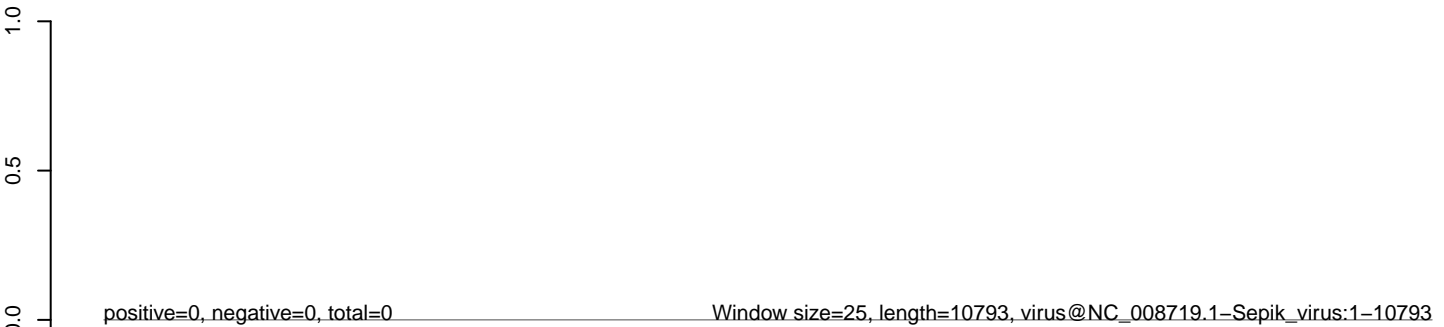
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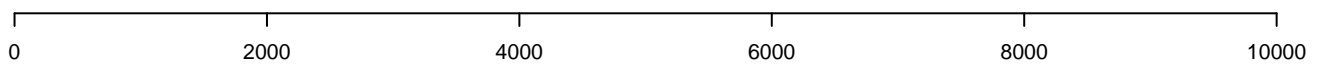
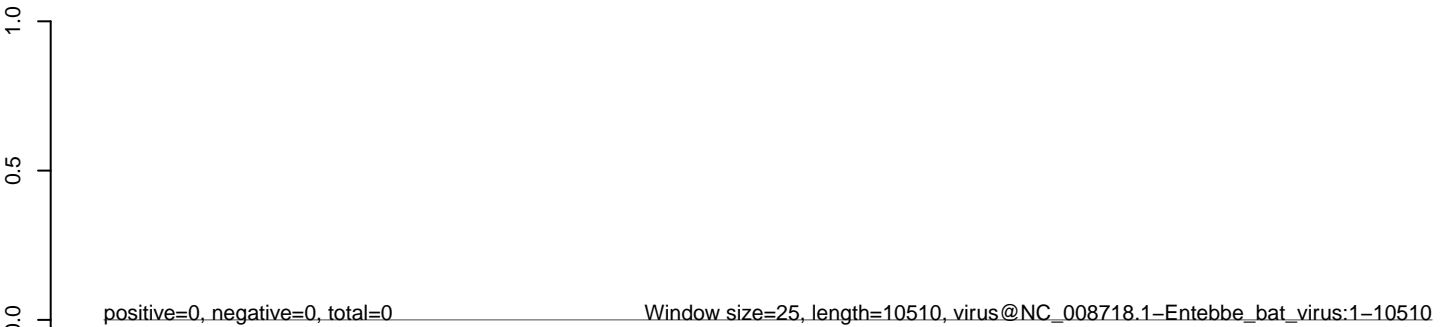
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**





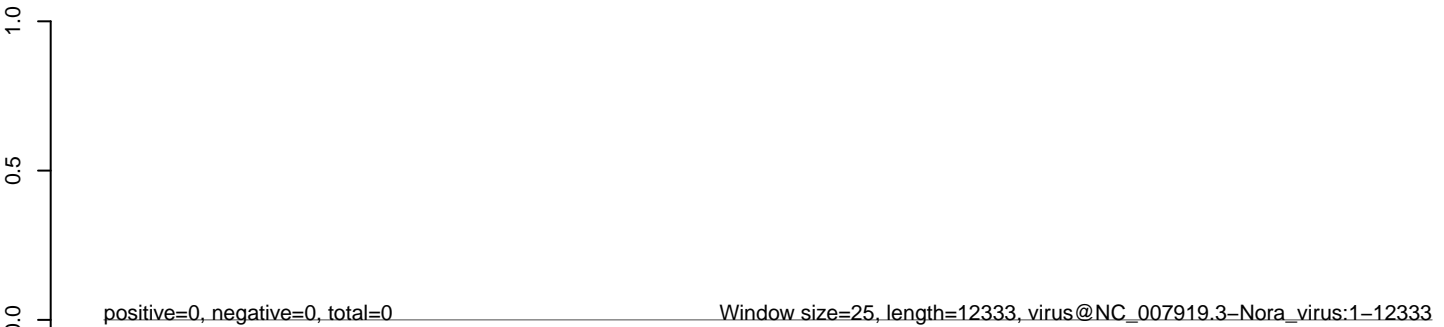
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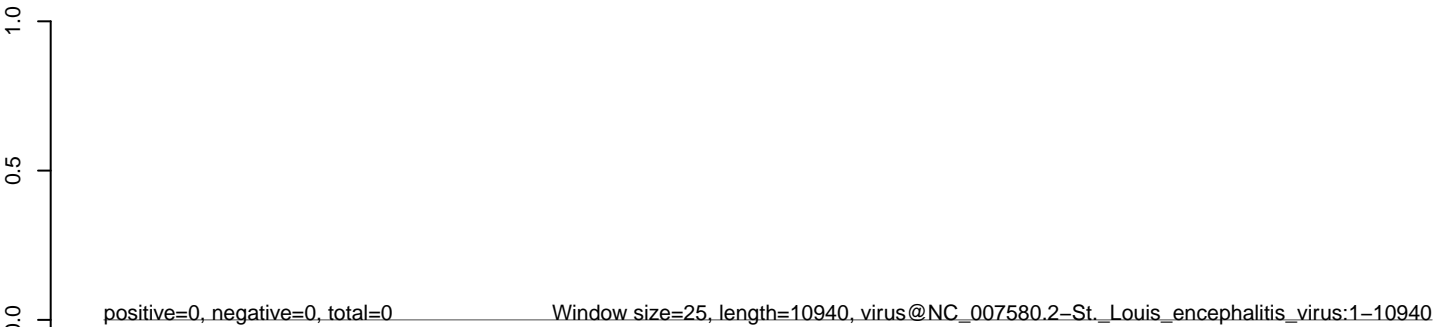
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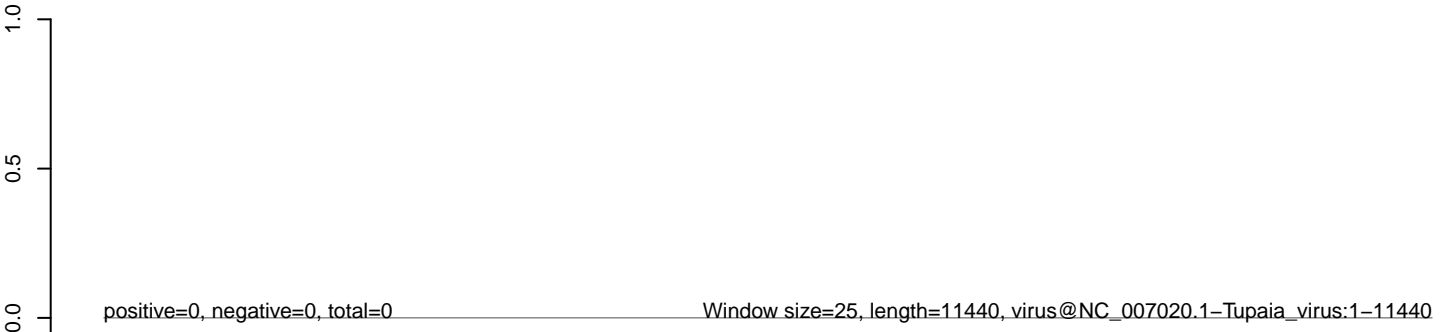
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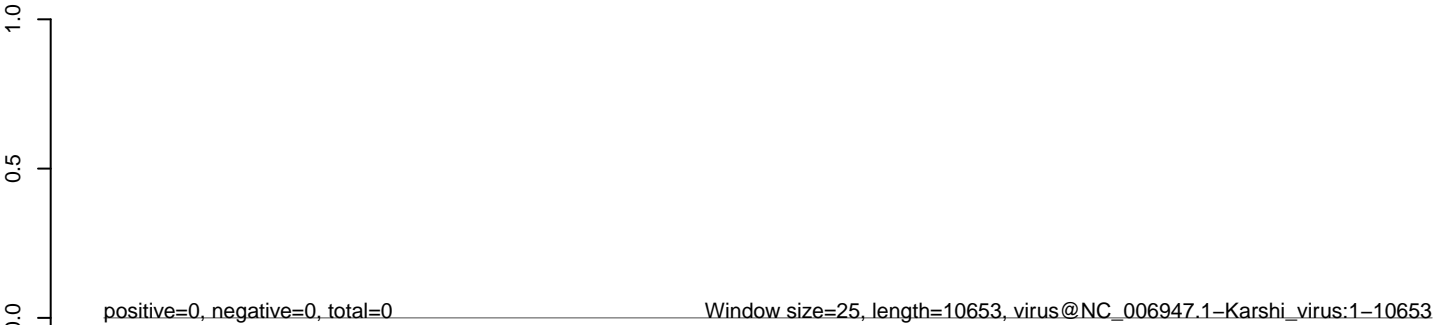
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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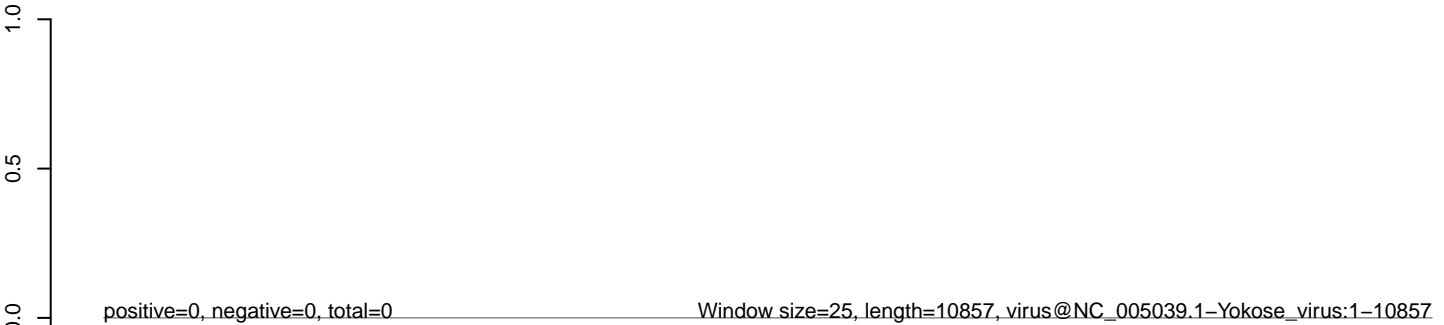
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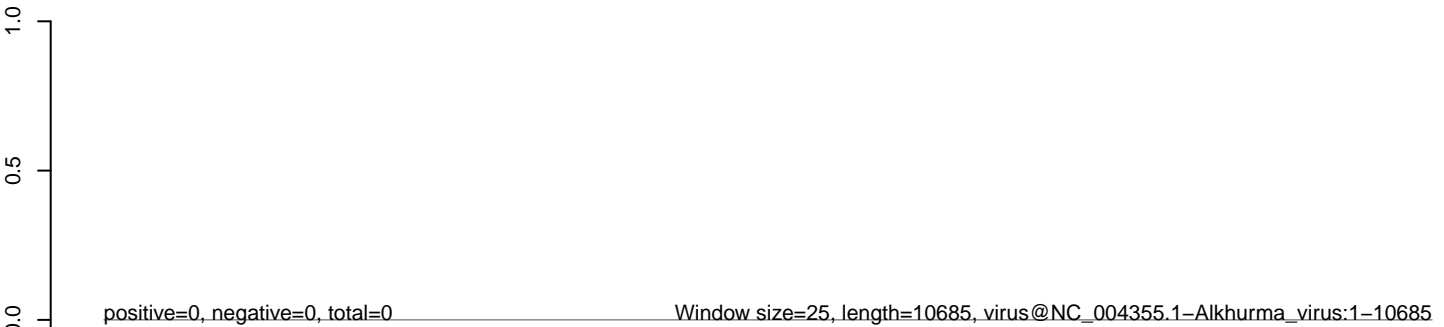
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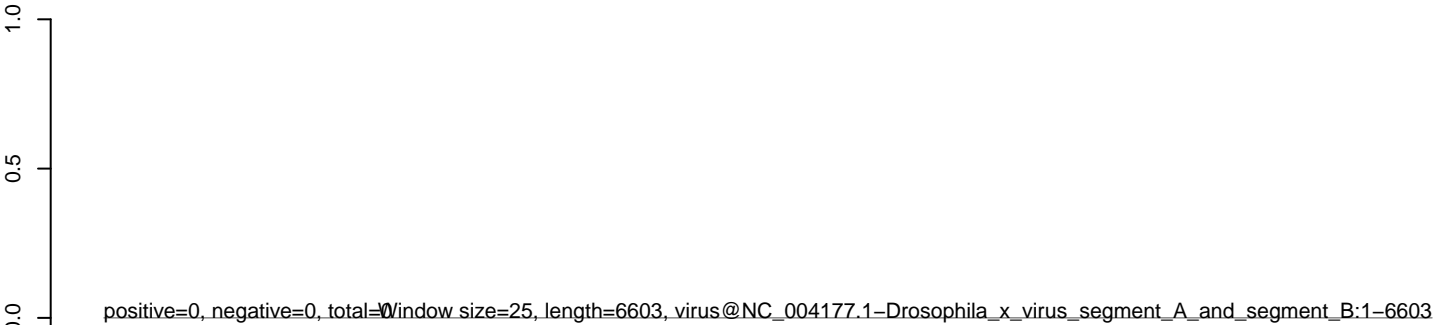
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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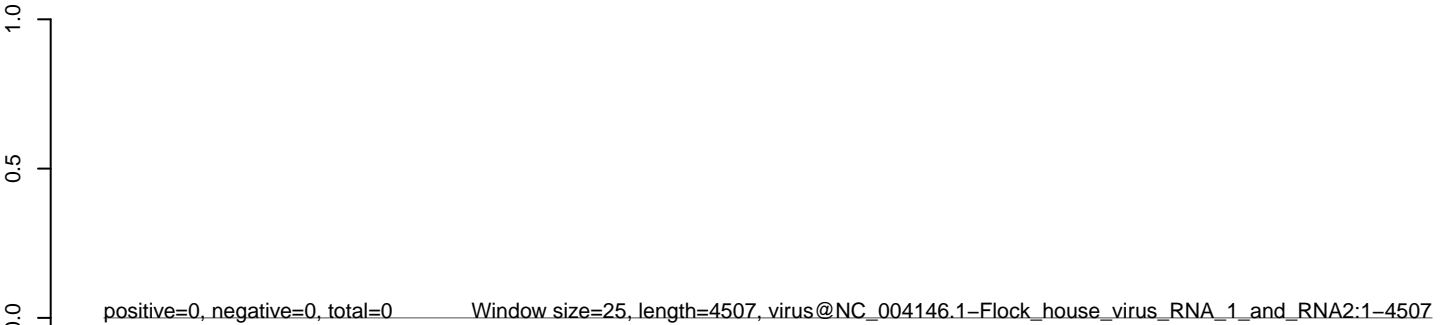
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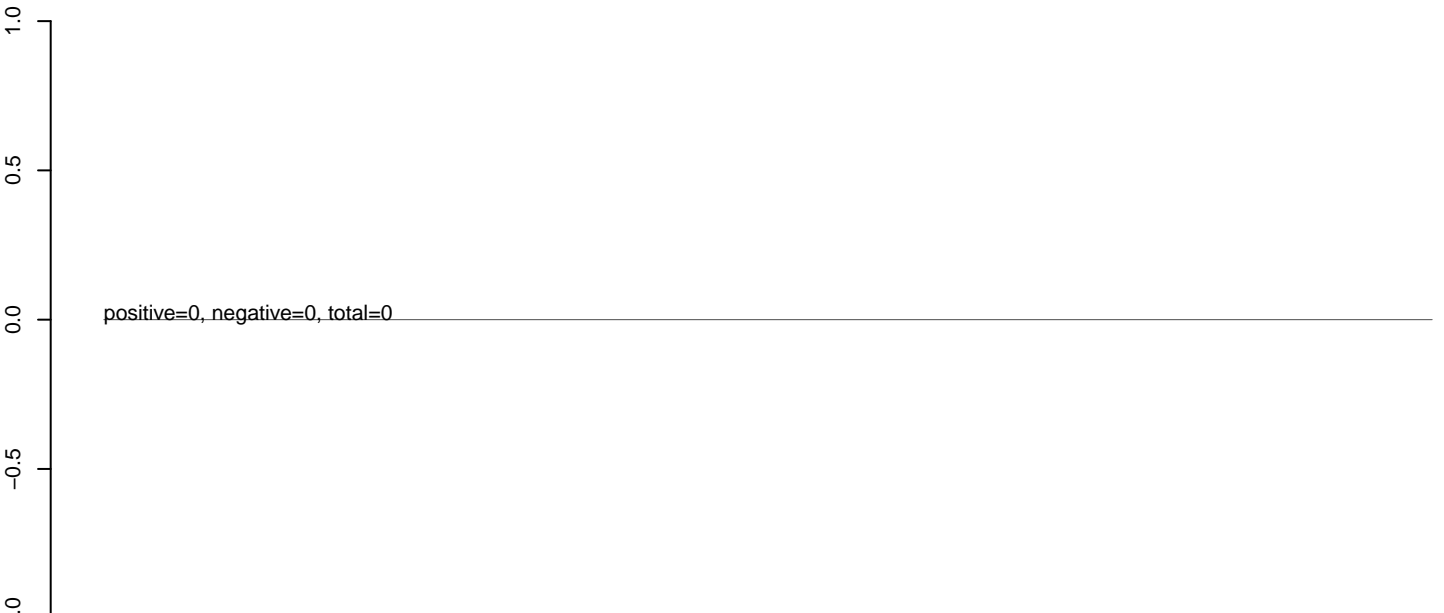
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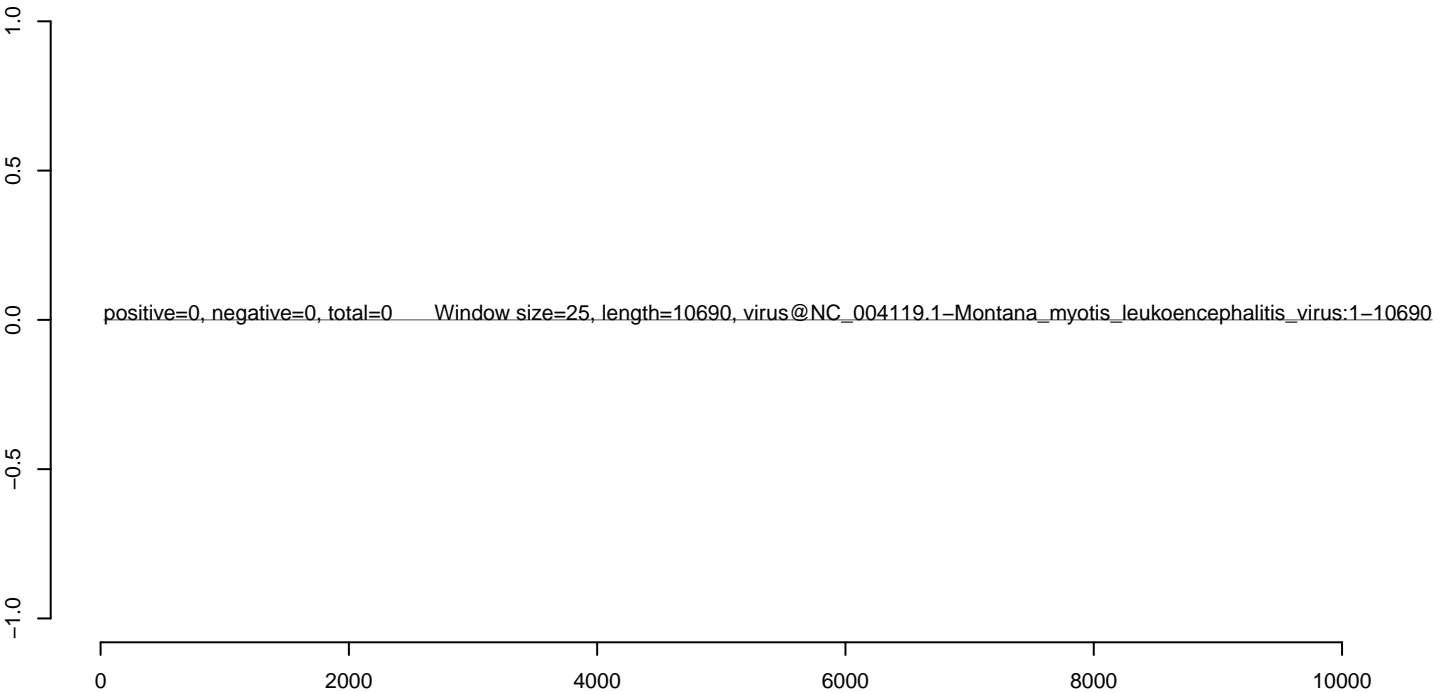
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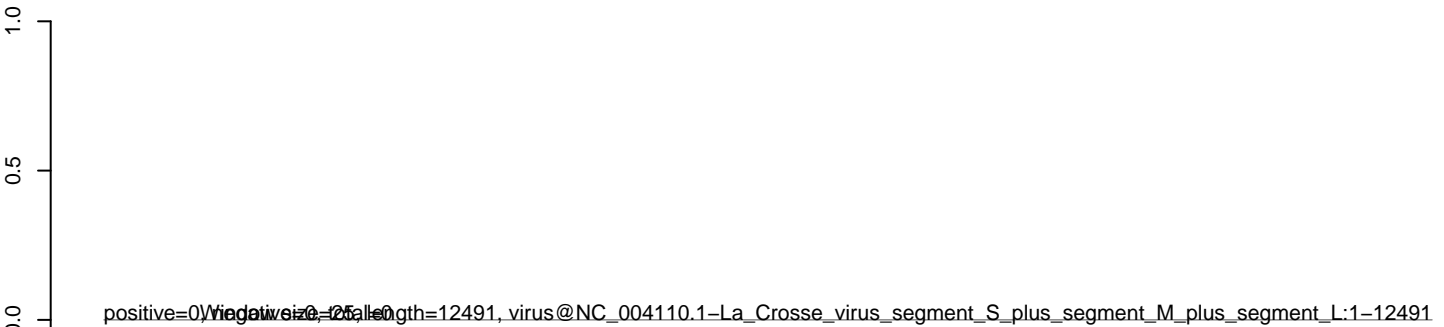
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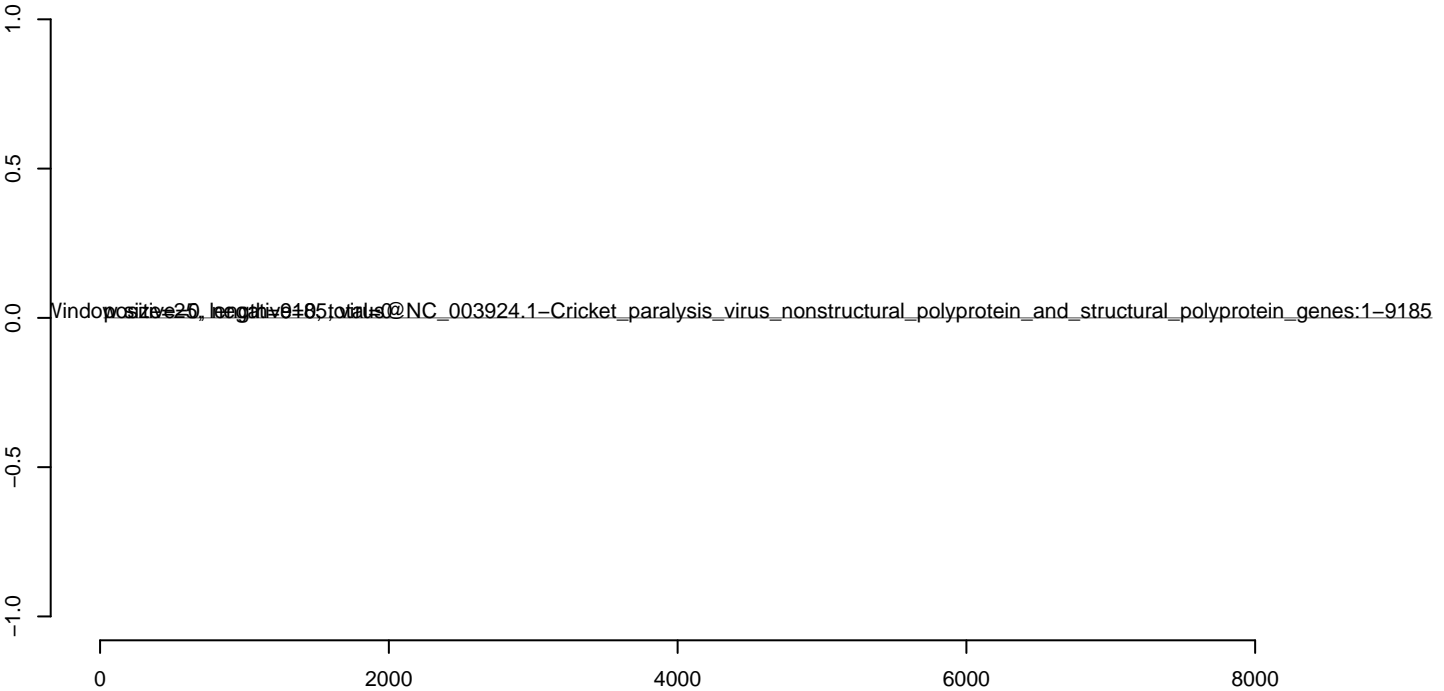
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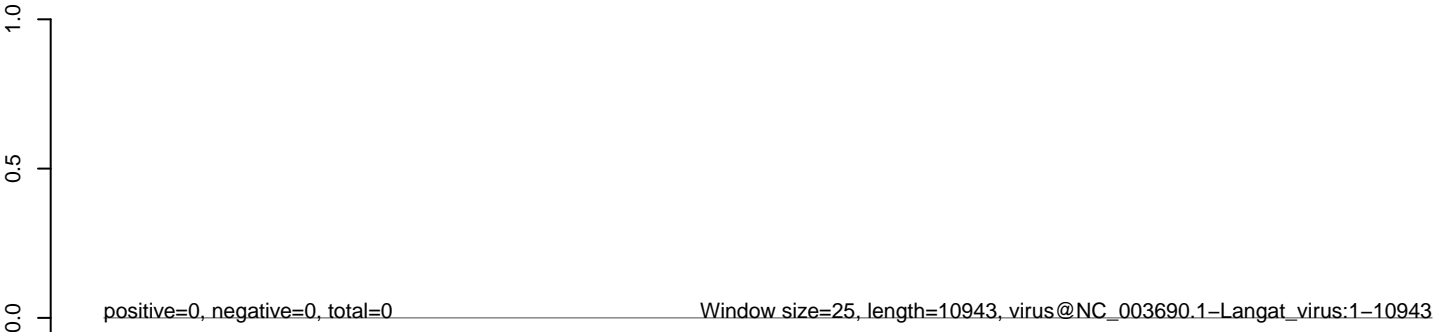
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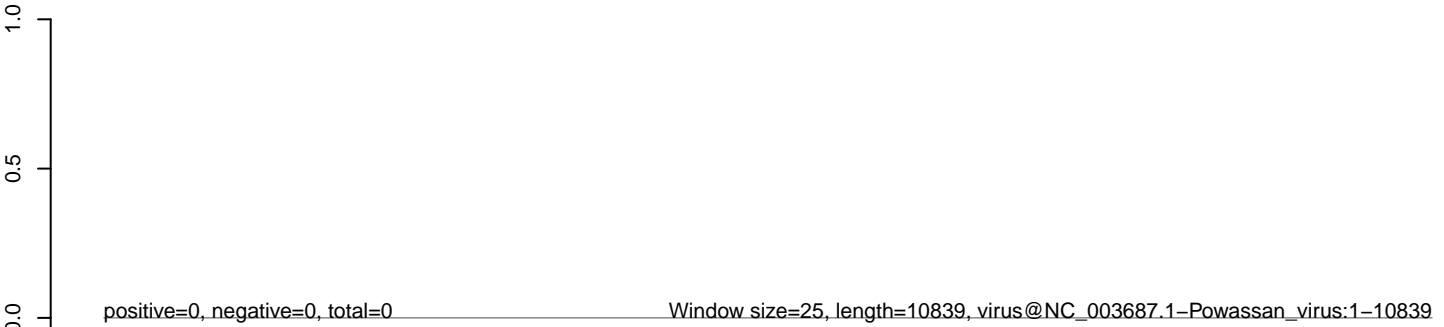
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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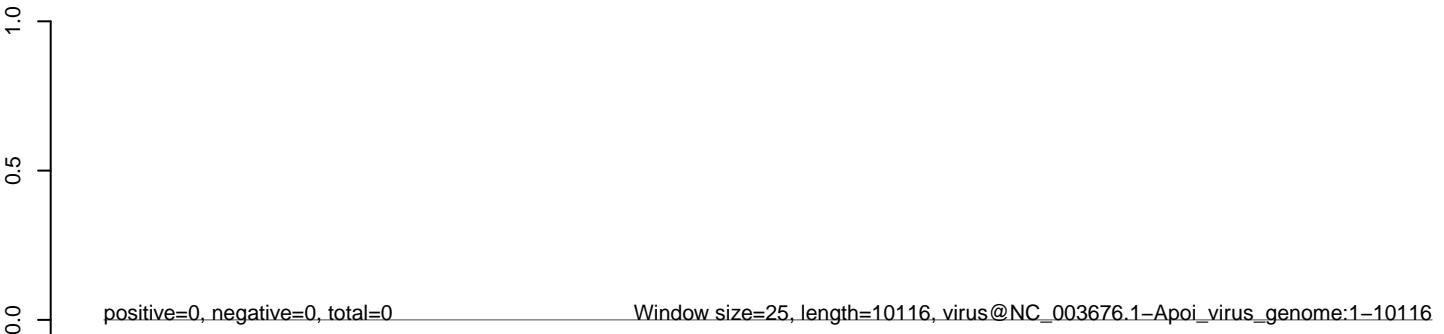
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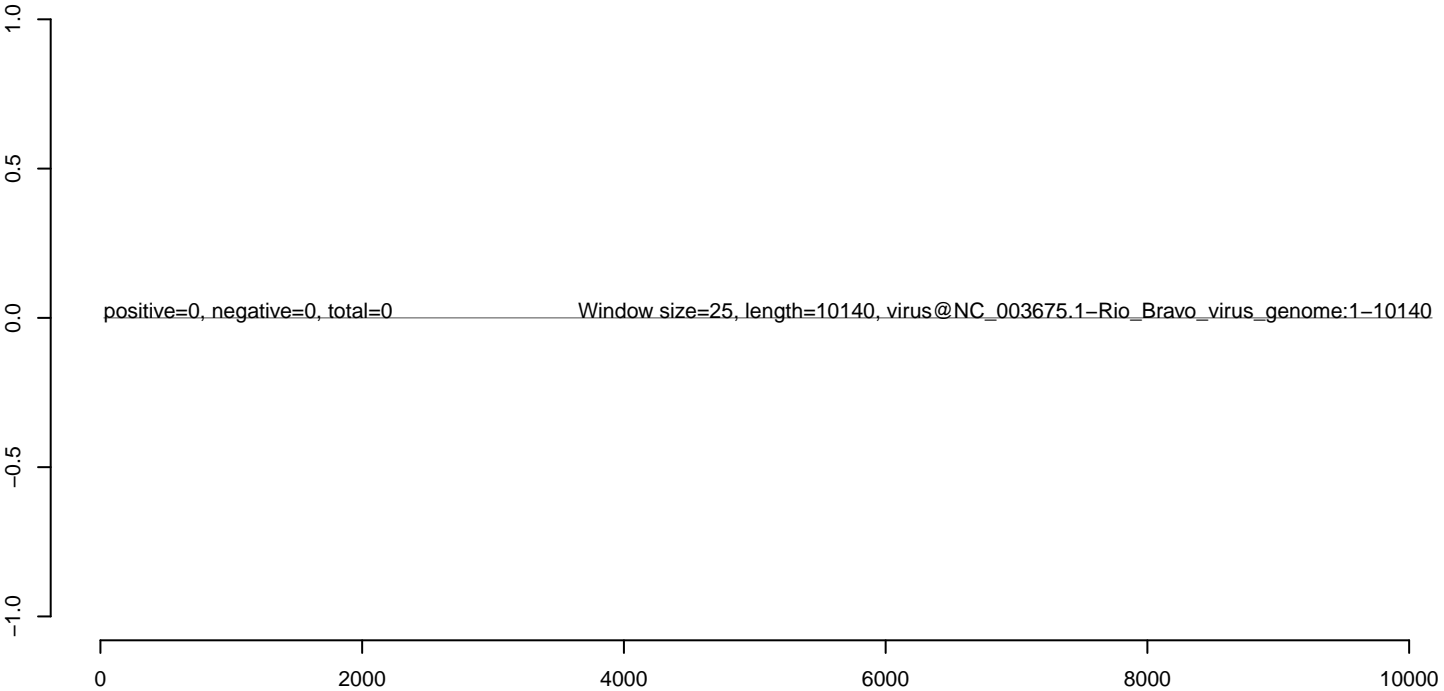
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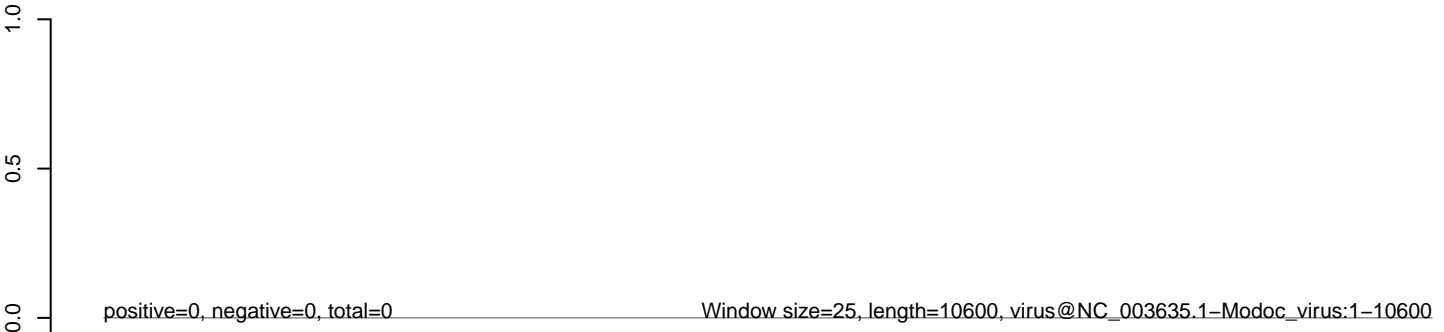
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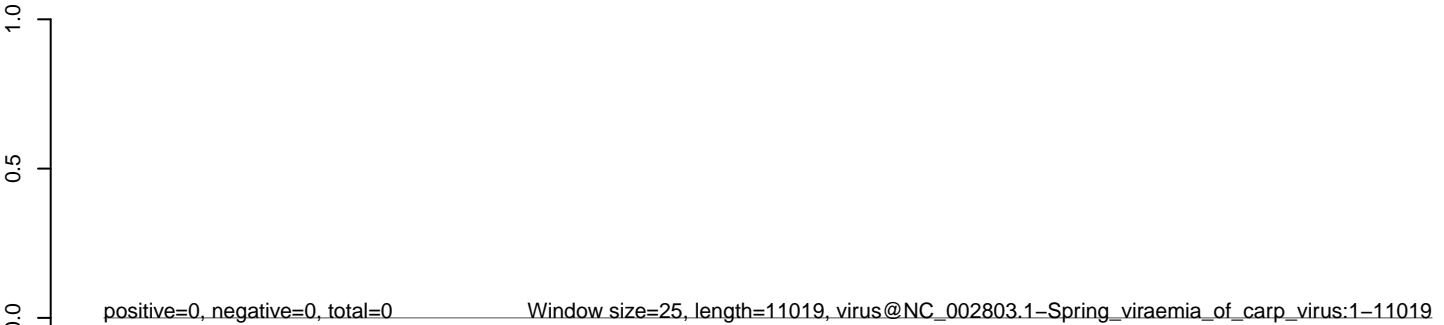
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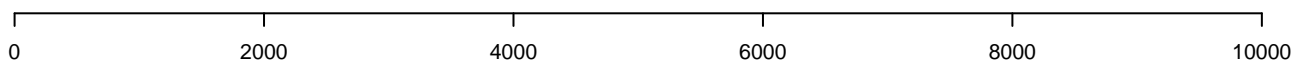
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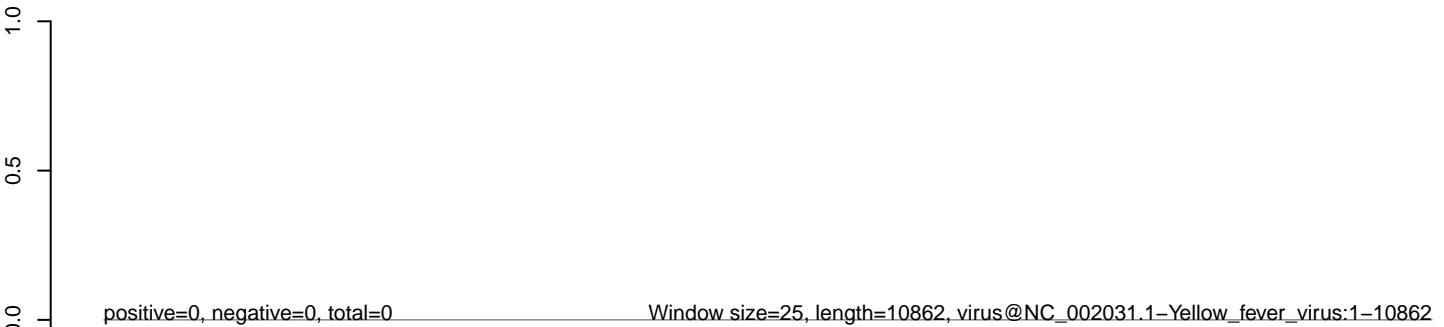
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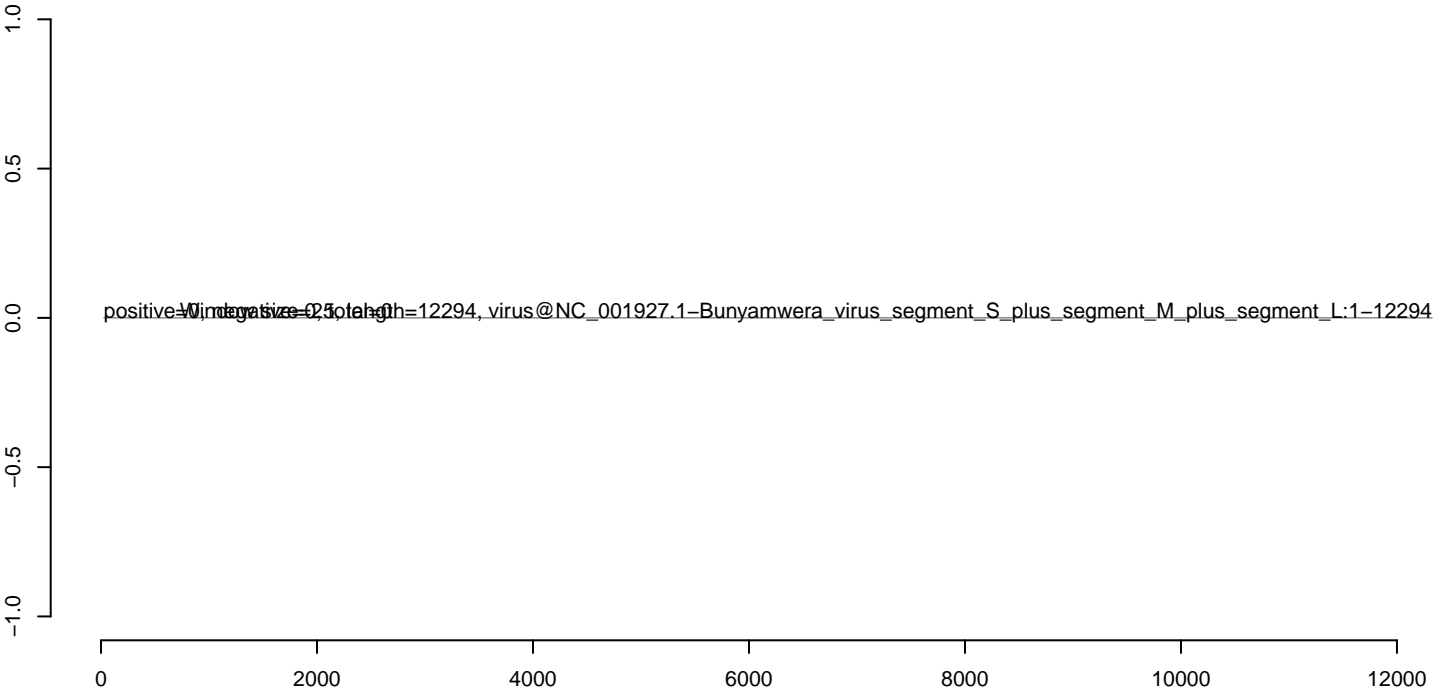
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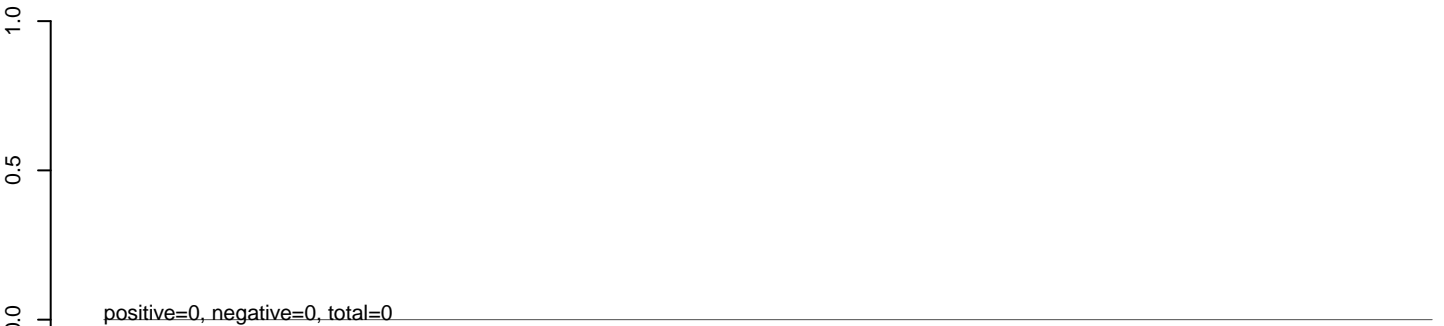
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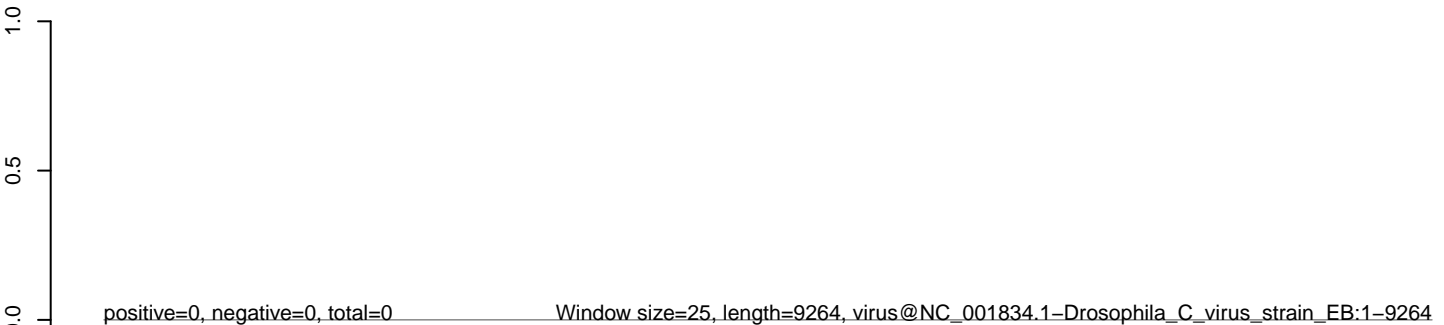
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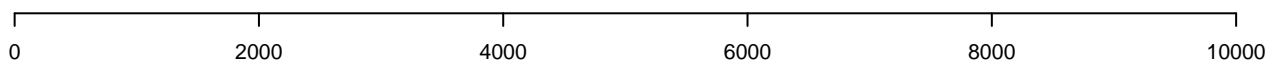
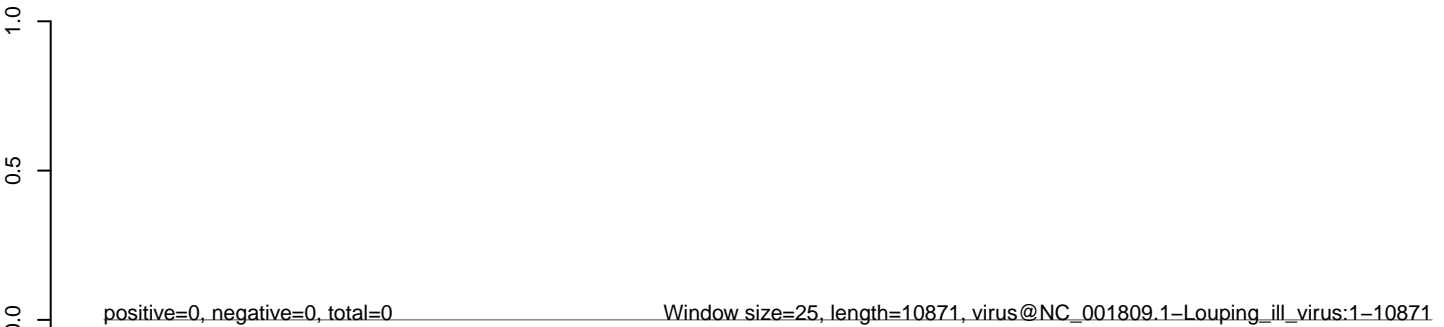
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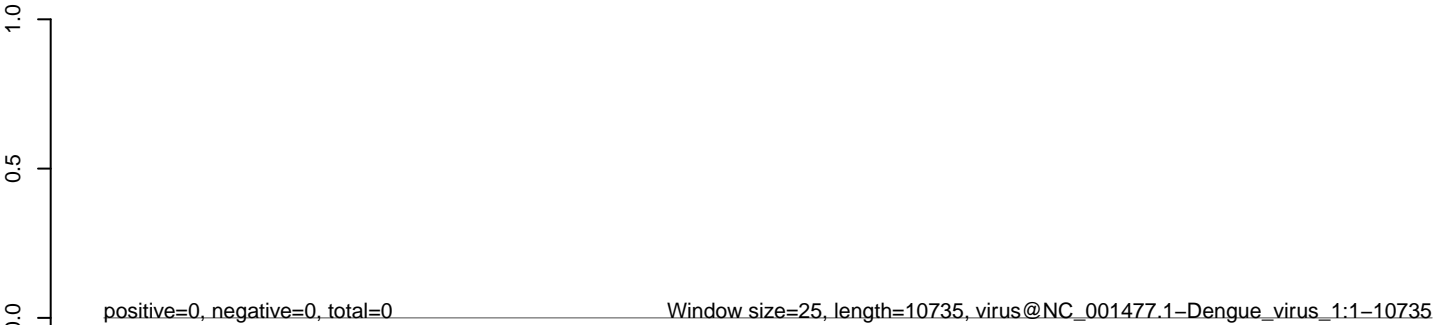
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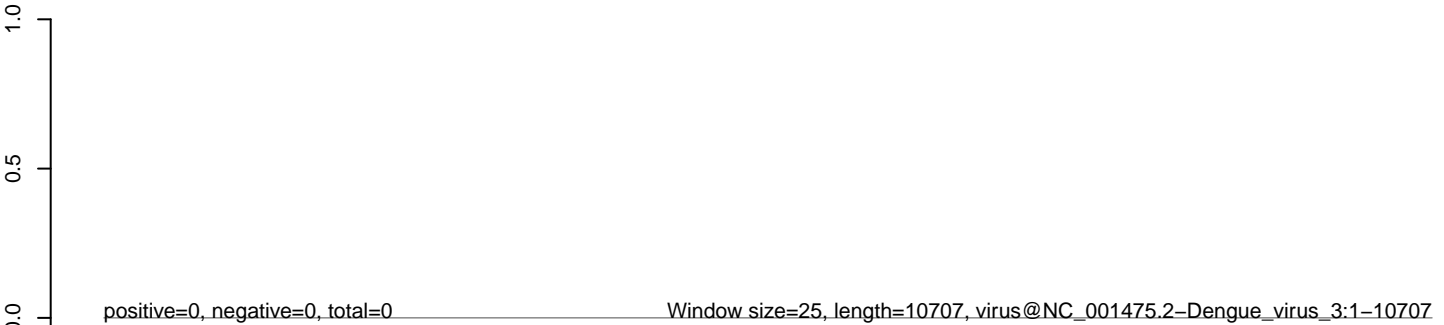
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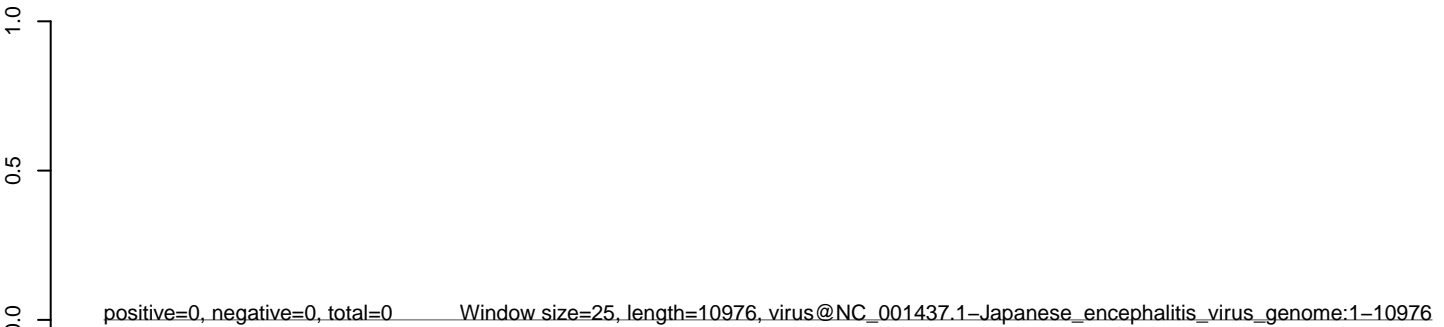
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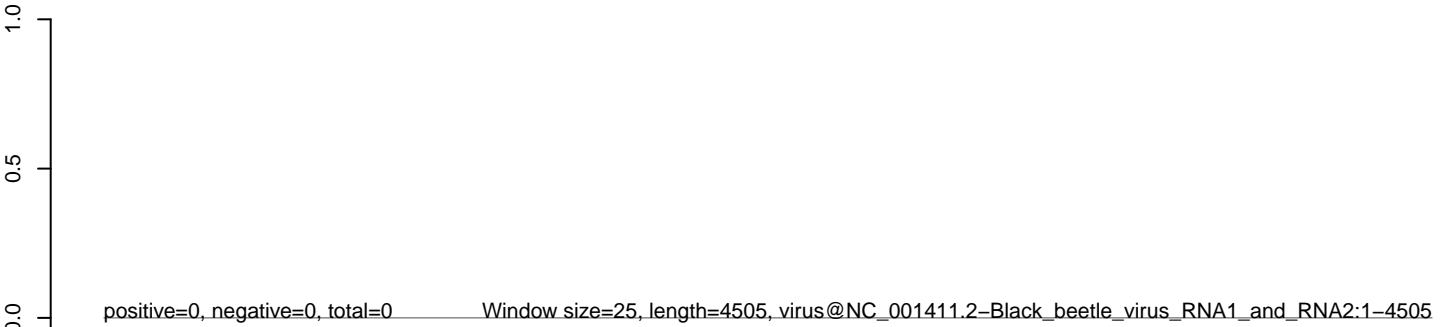
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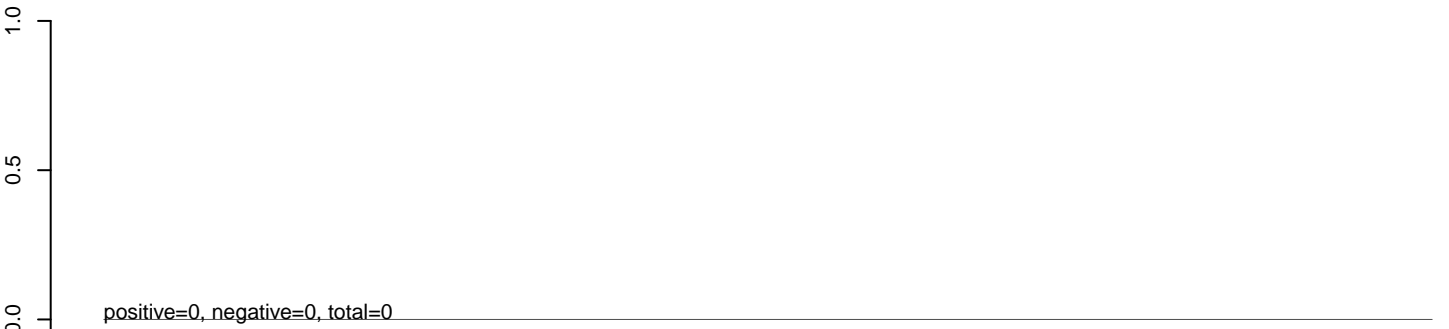


**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**

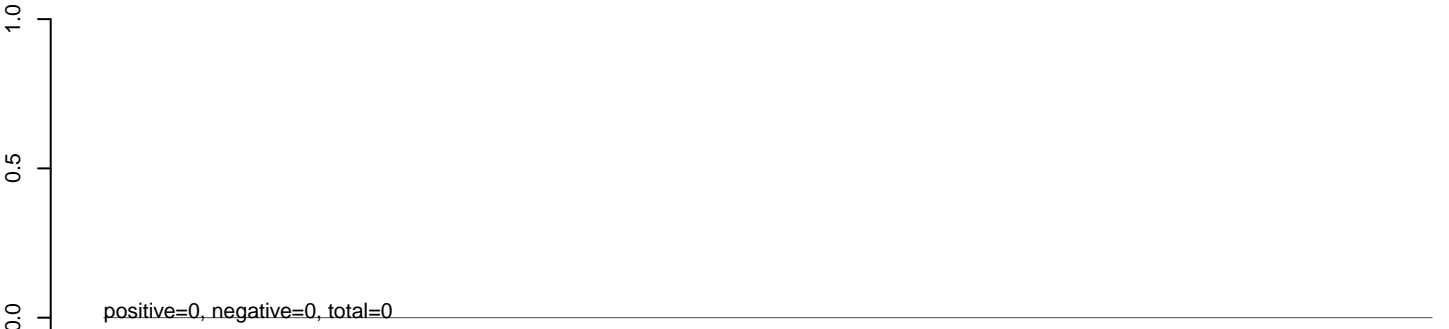


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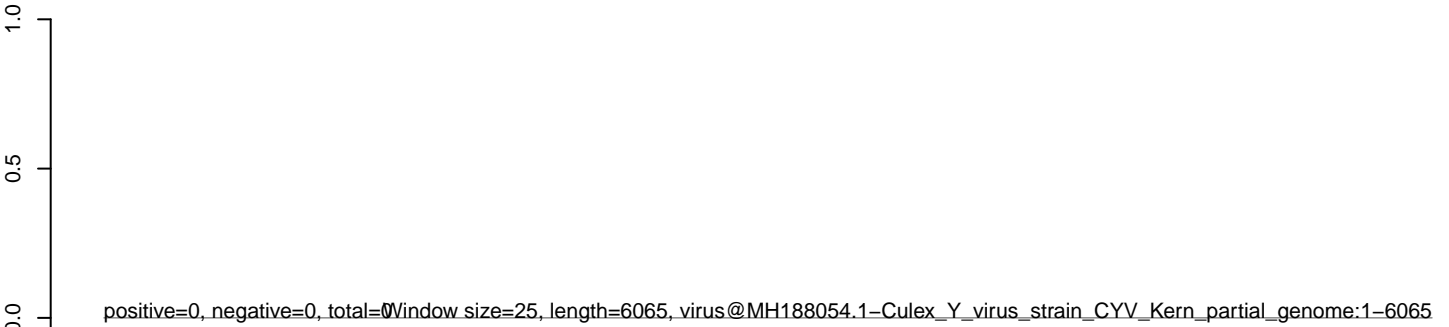
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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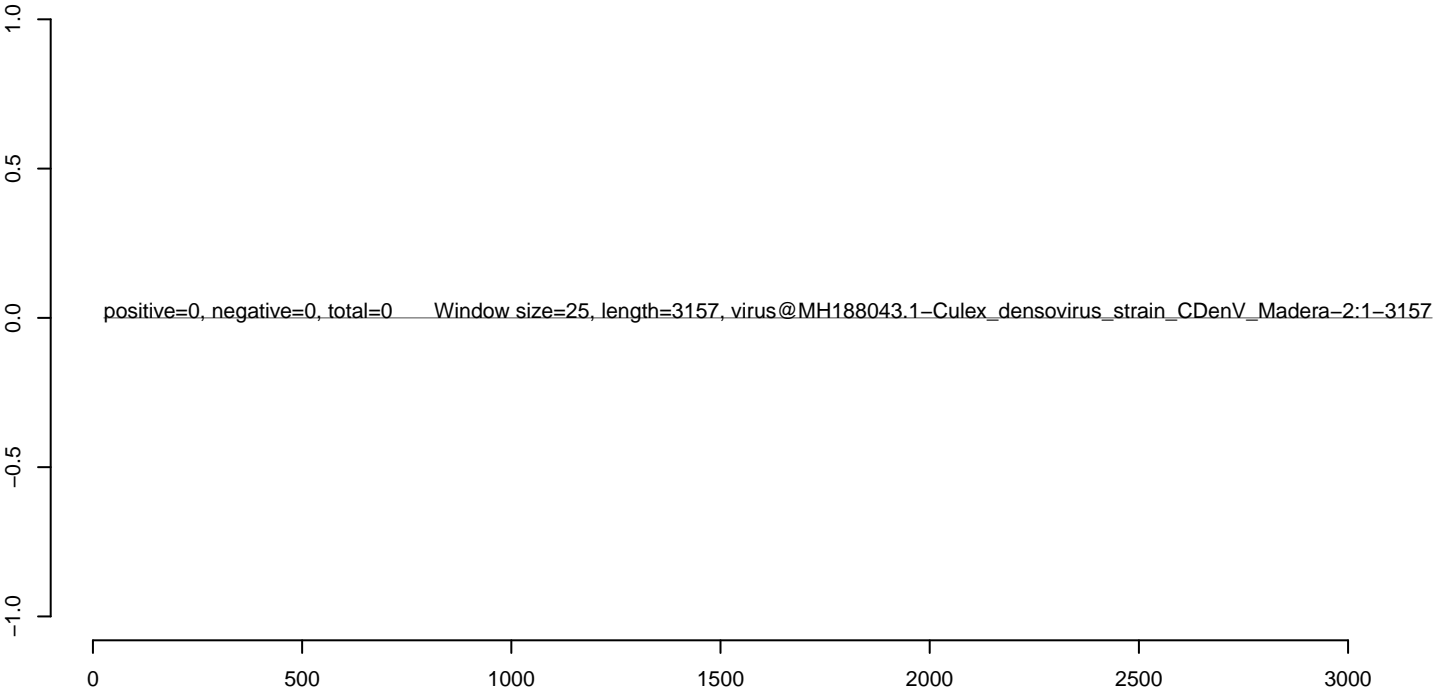
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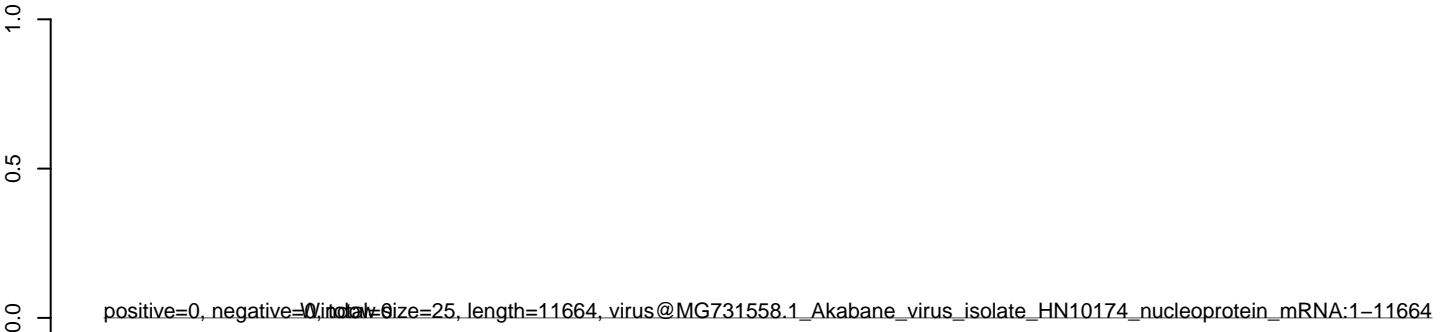
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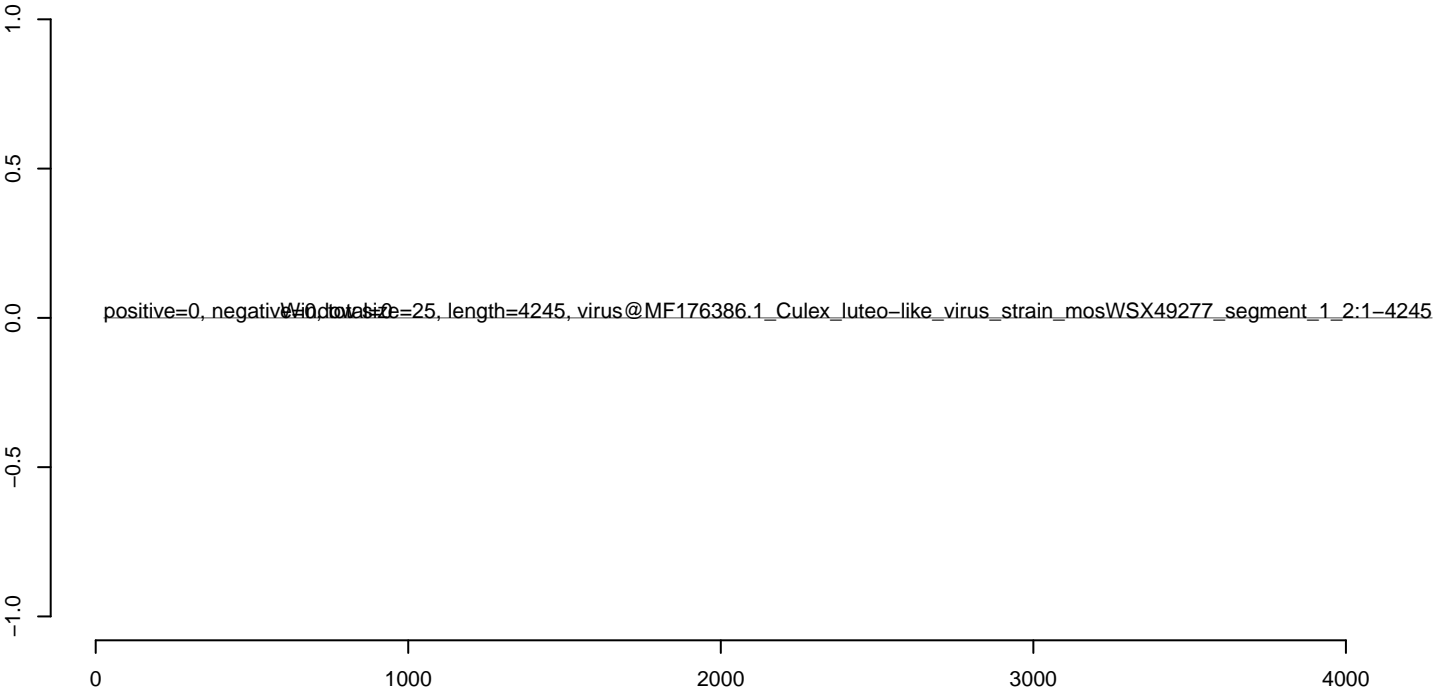
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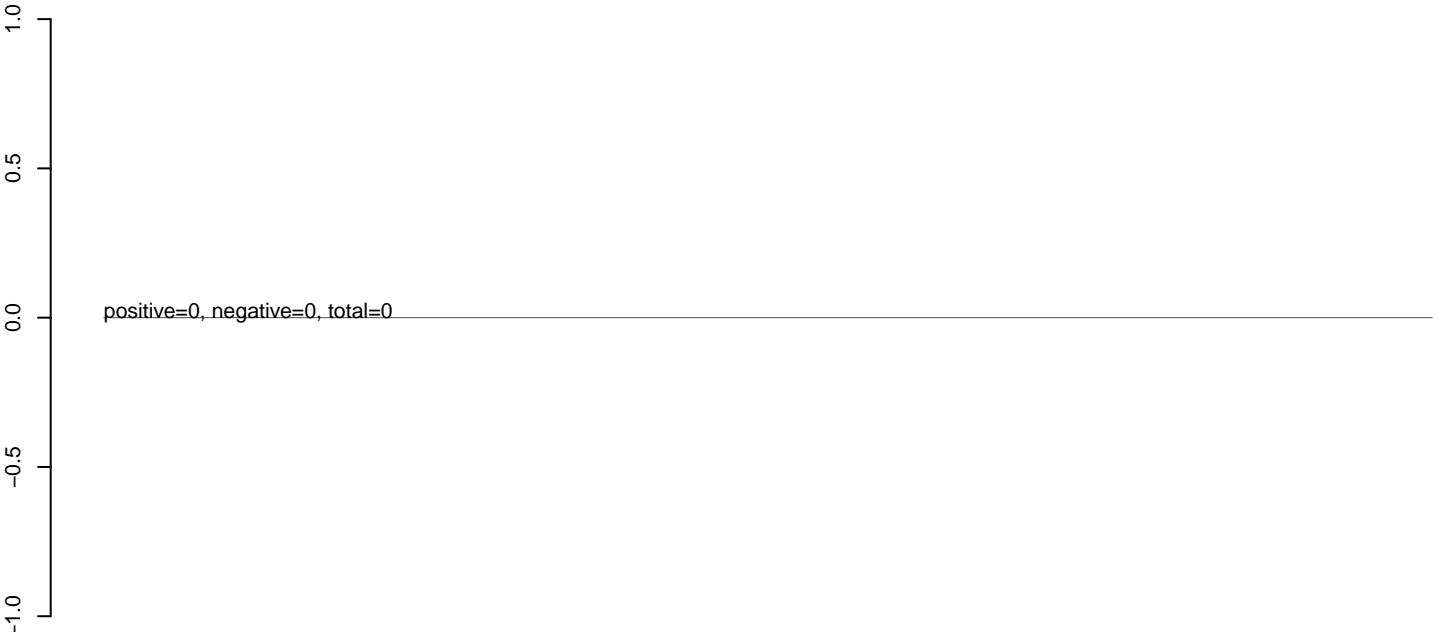
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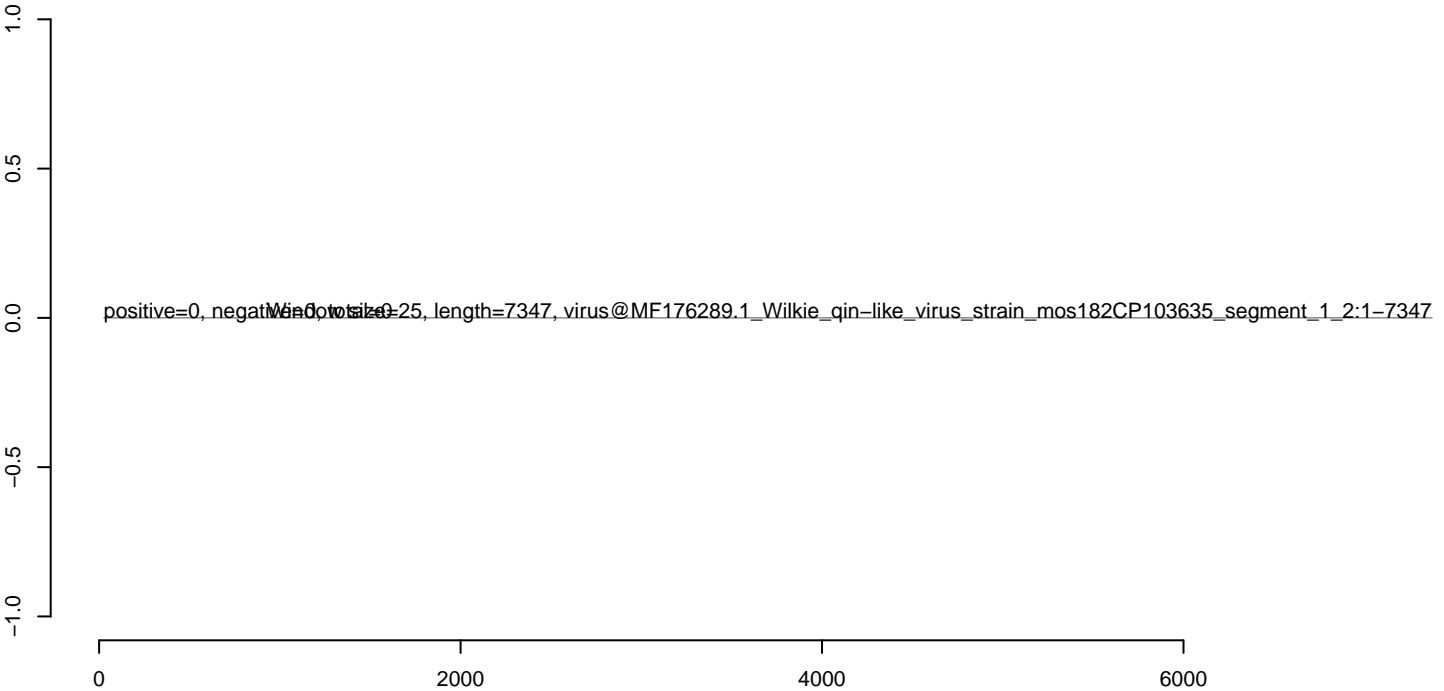
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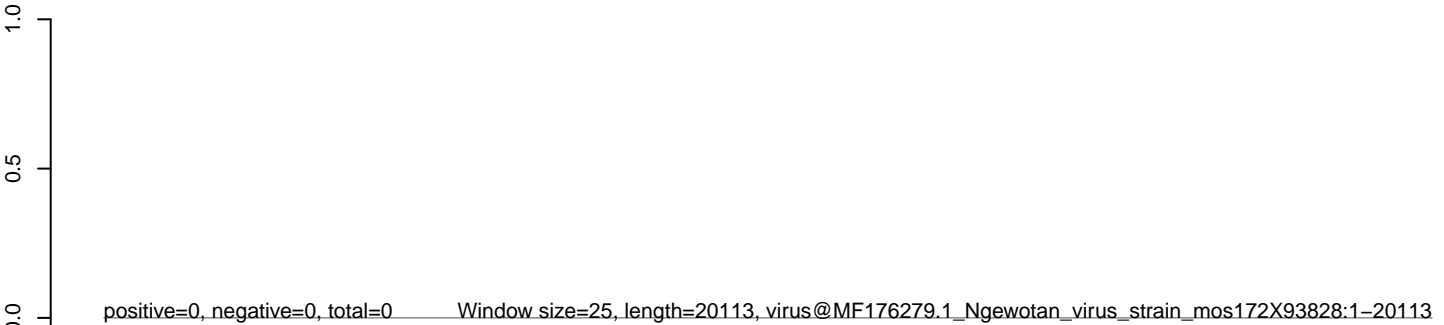
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**





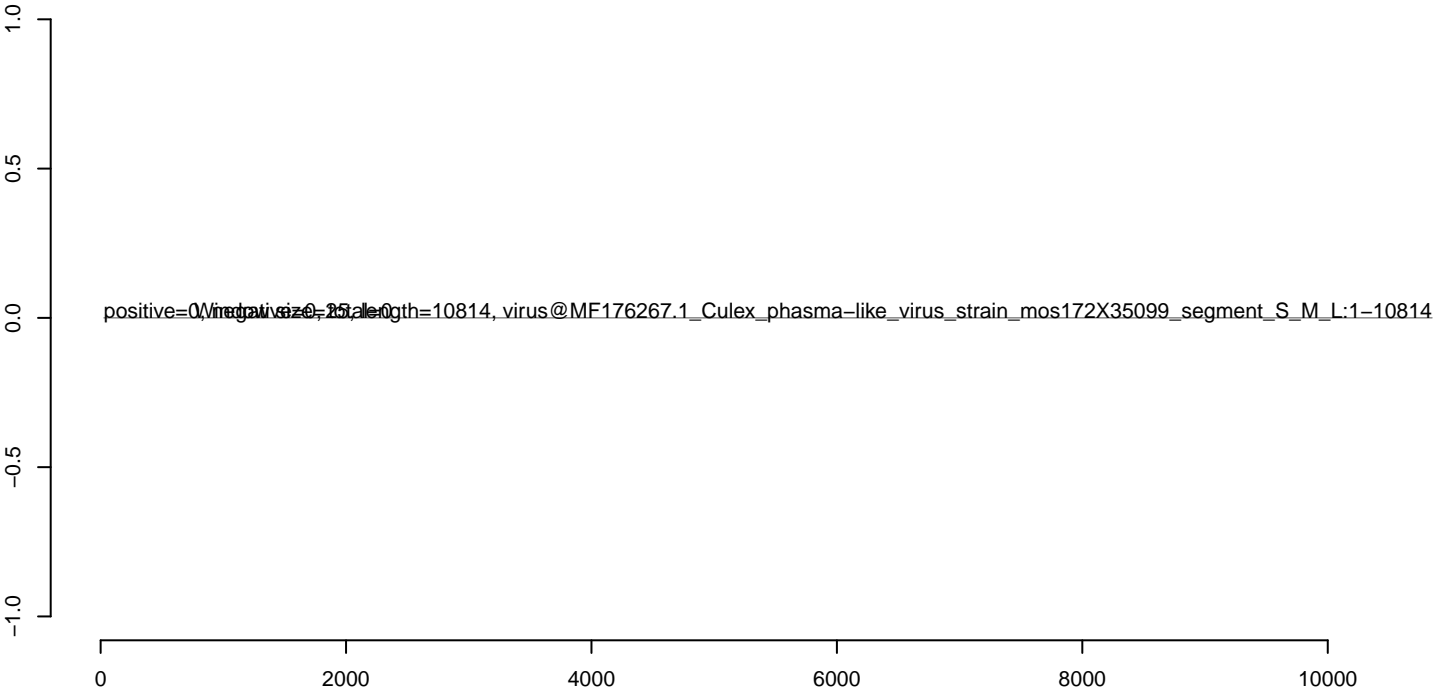
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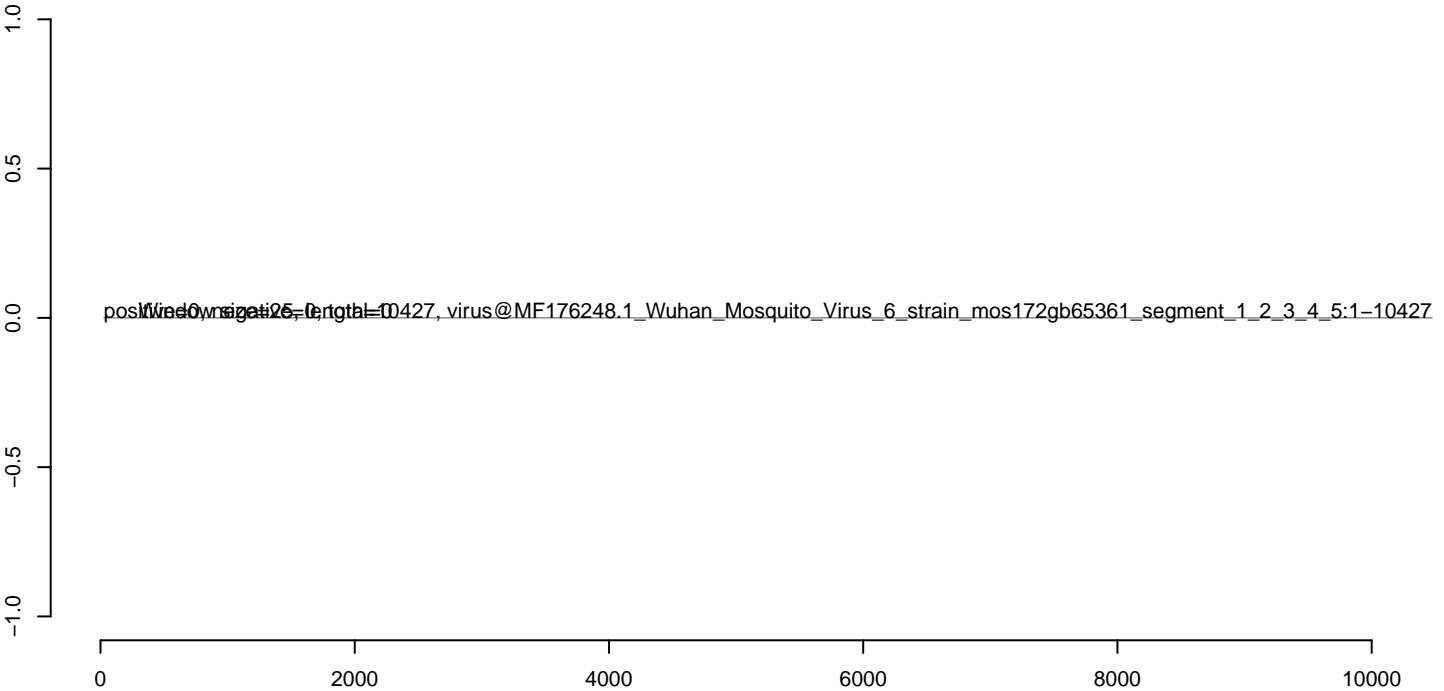
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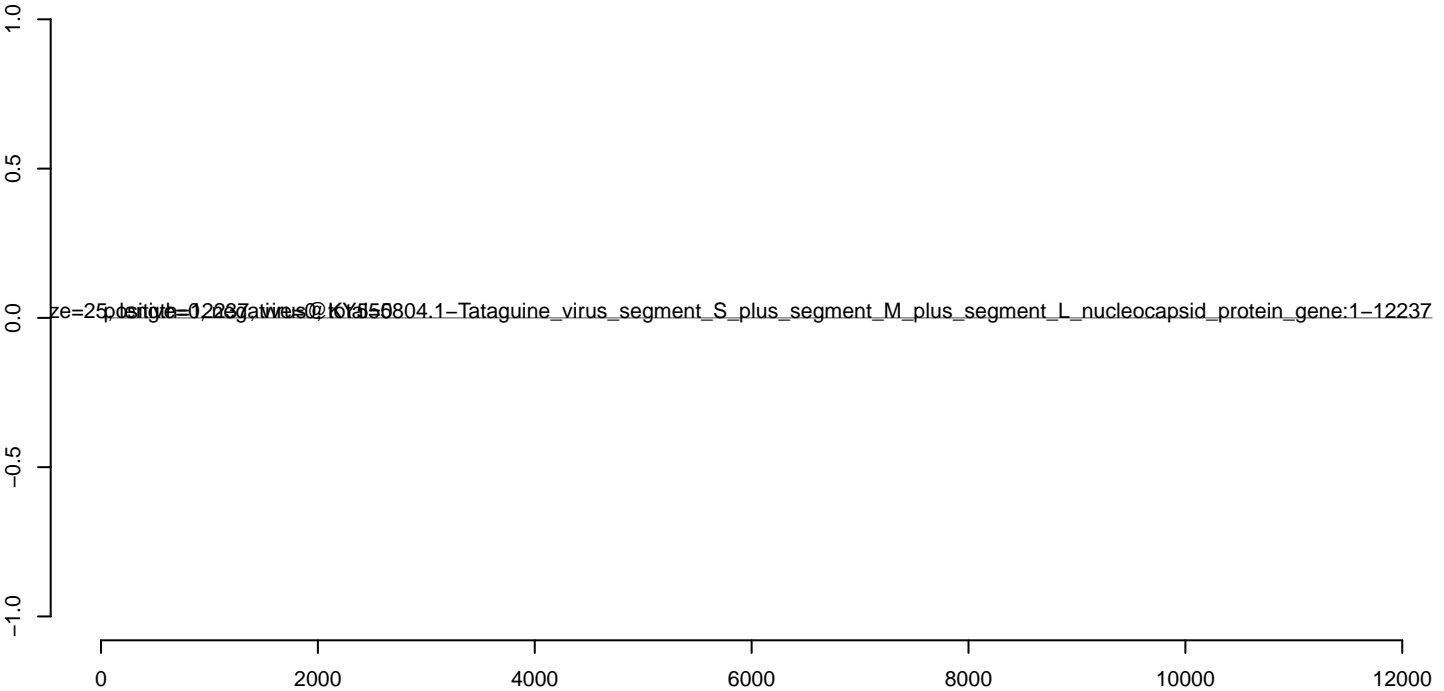
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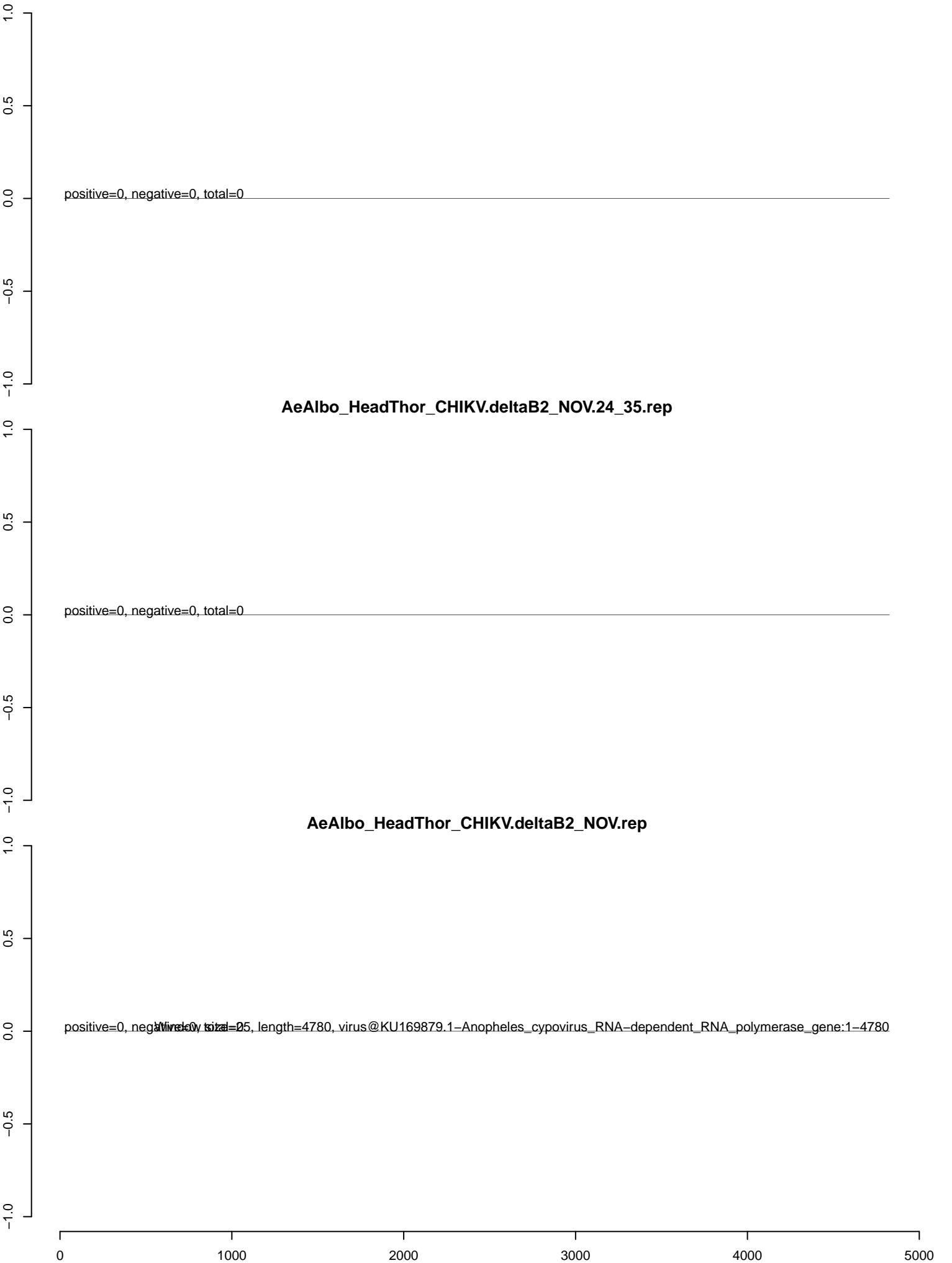
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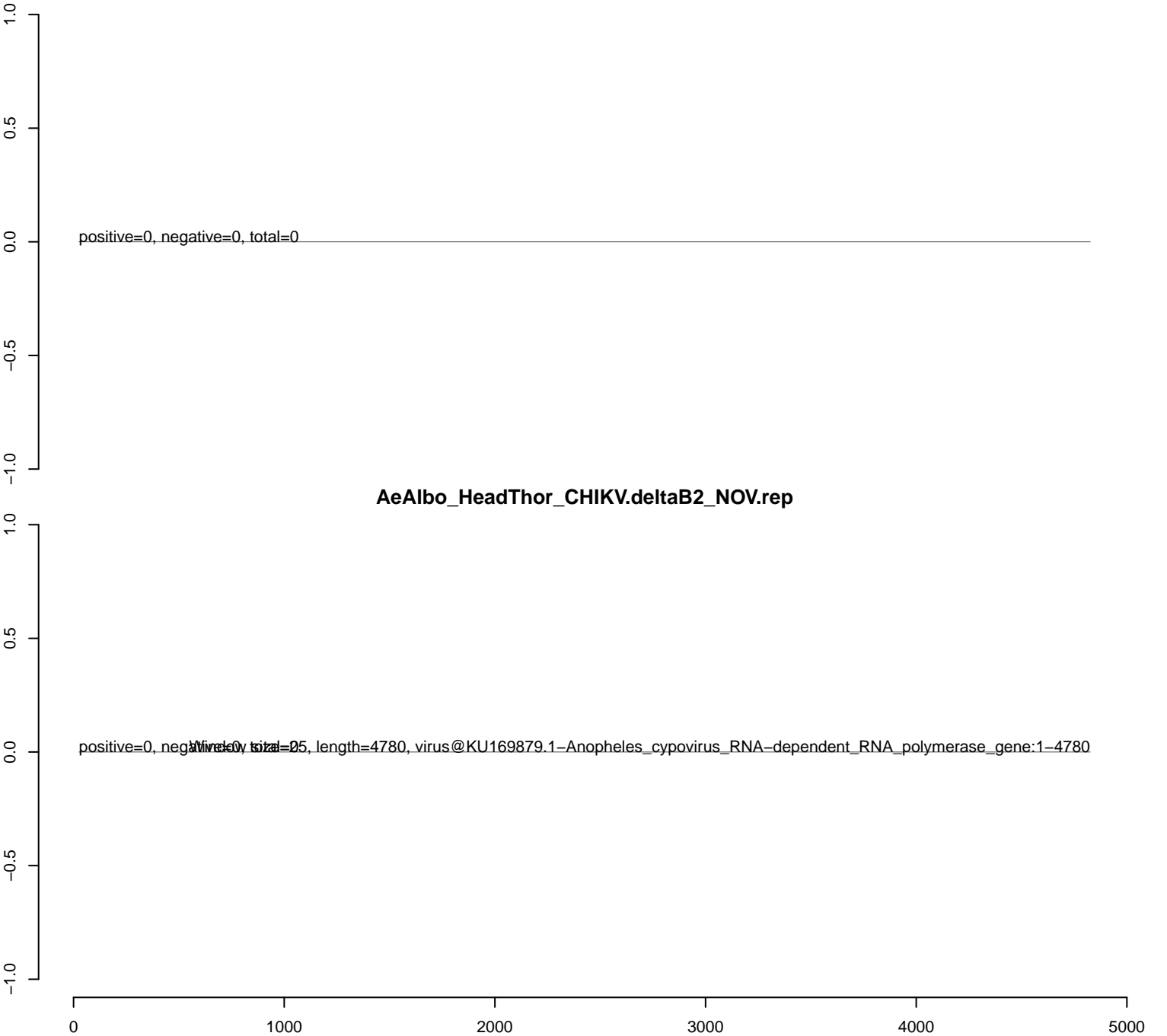
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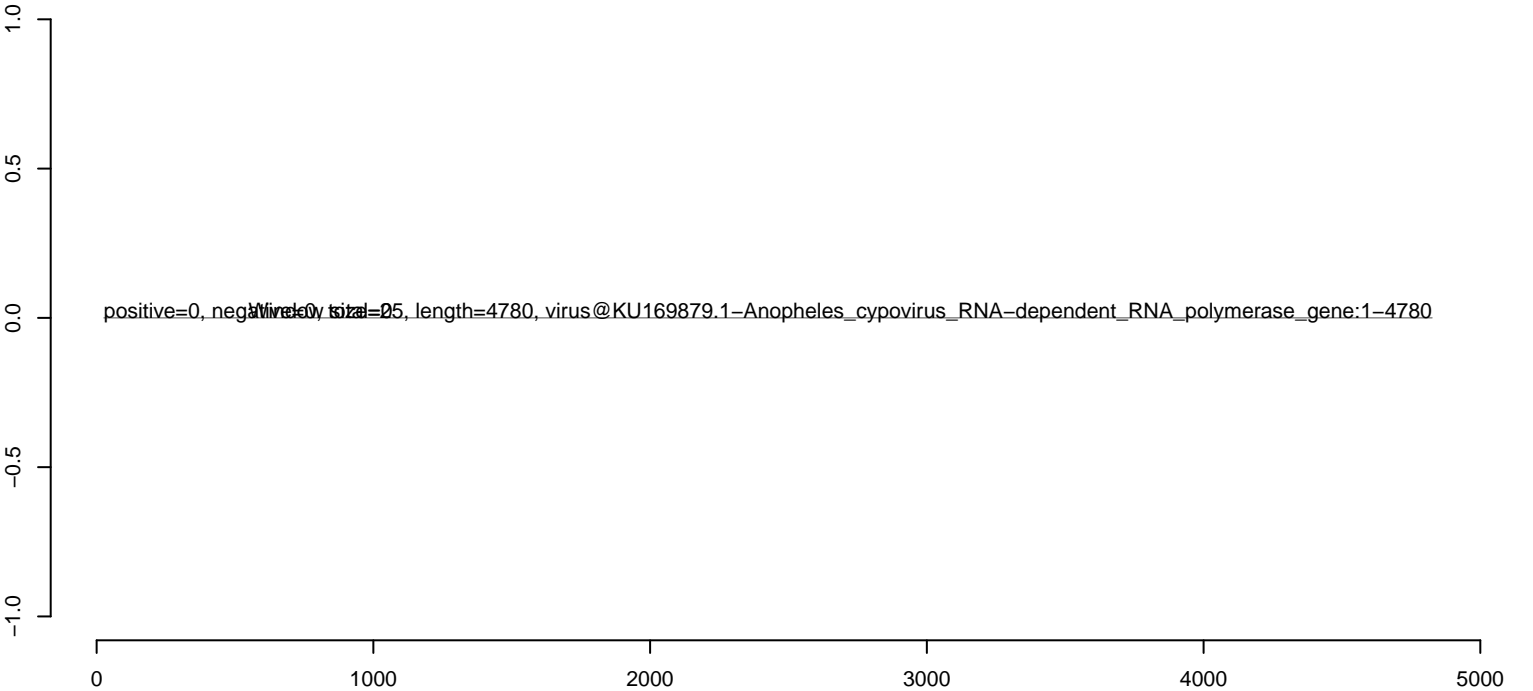
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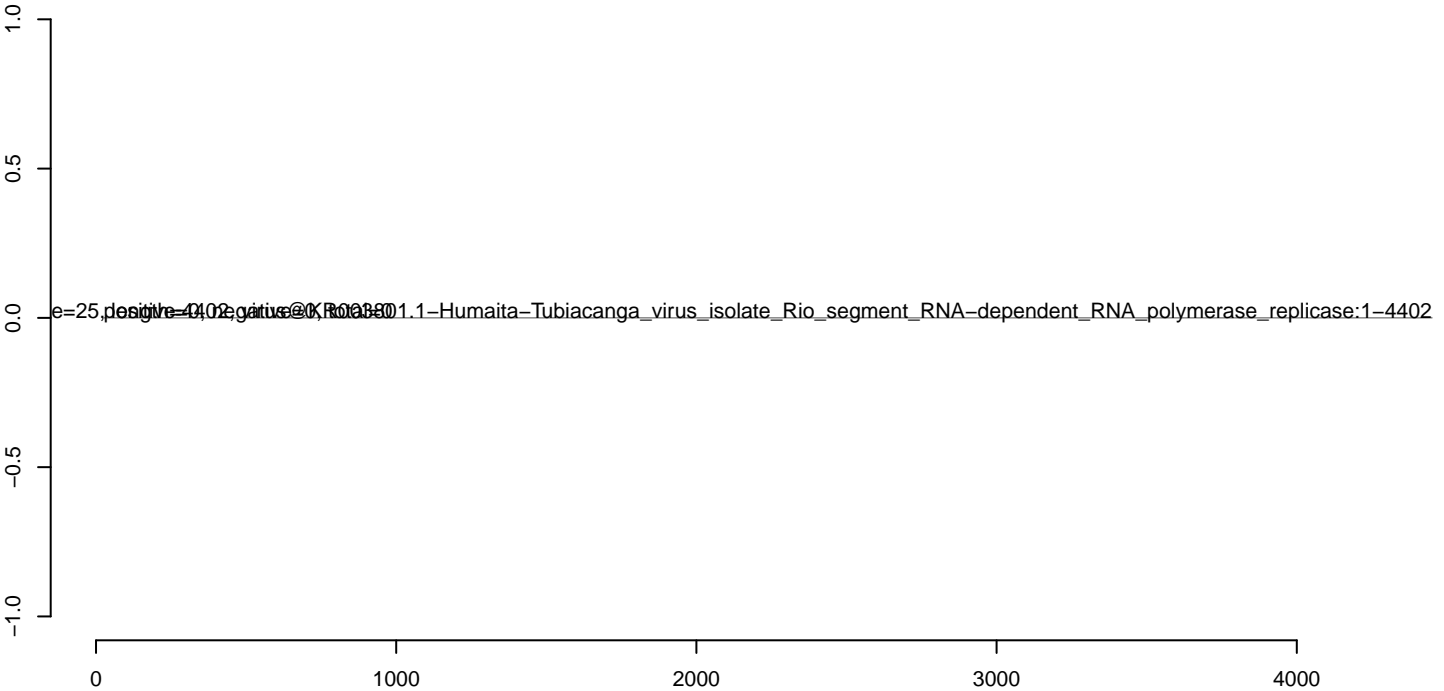
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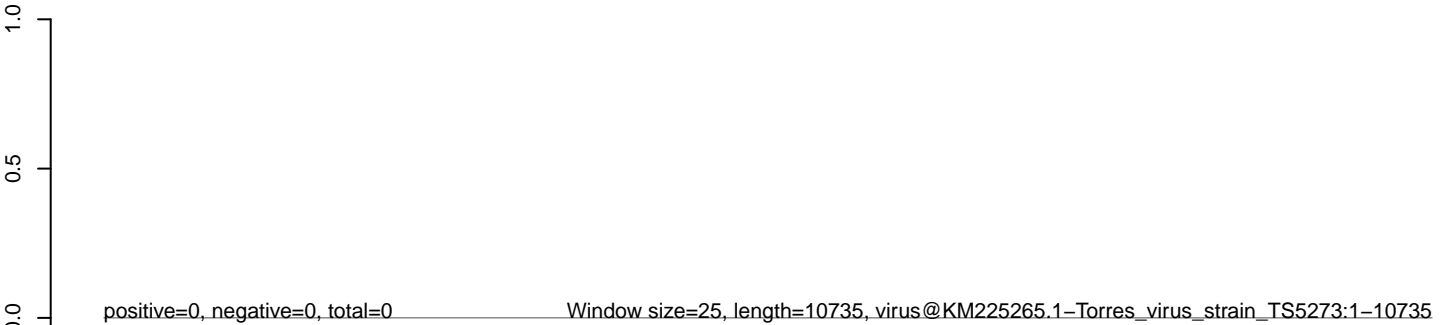
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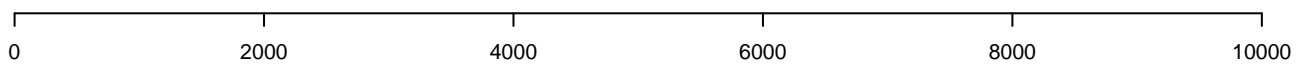
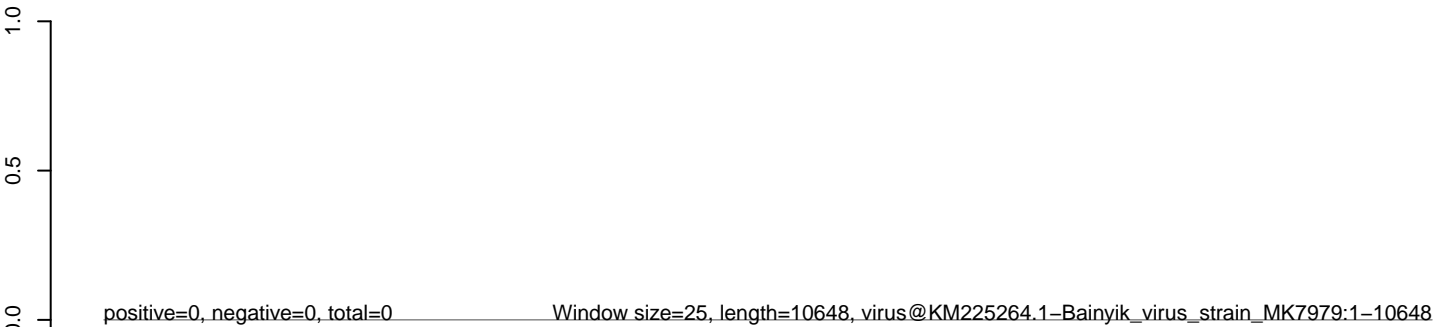
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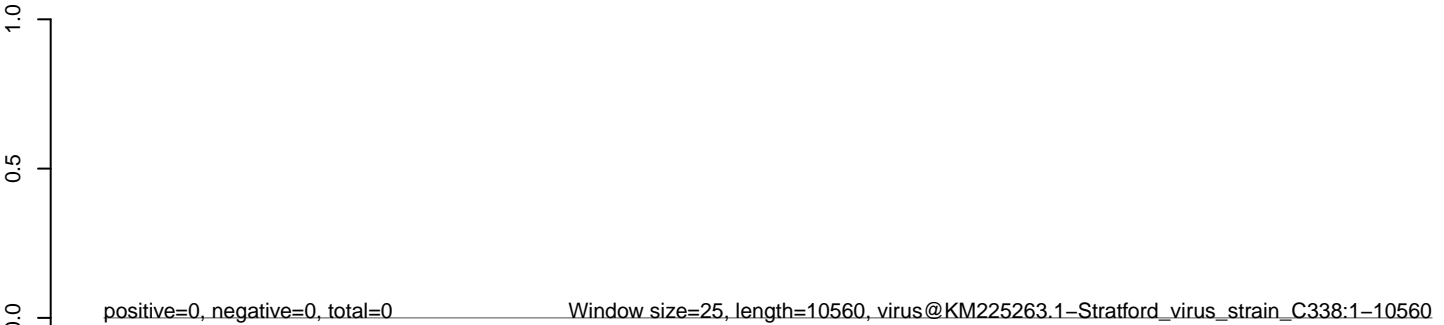
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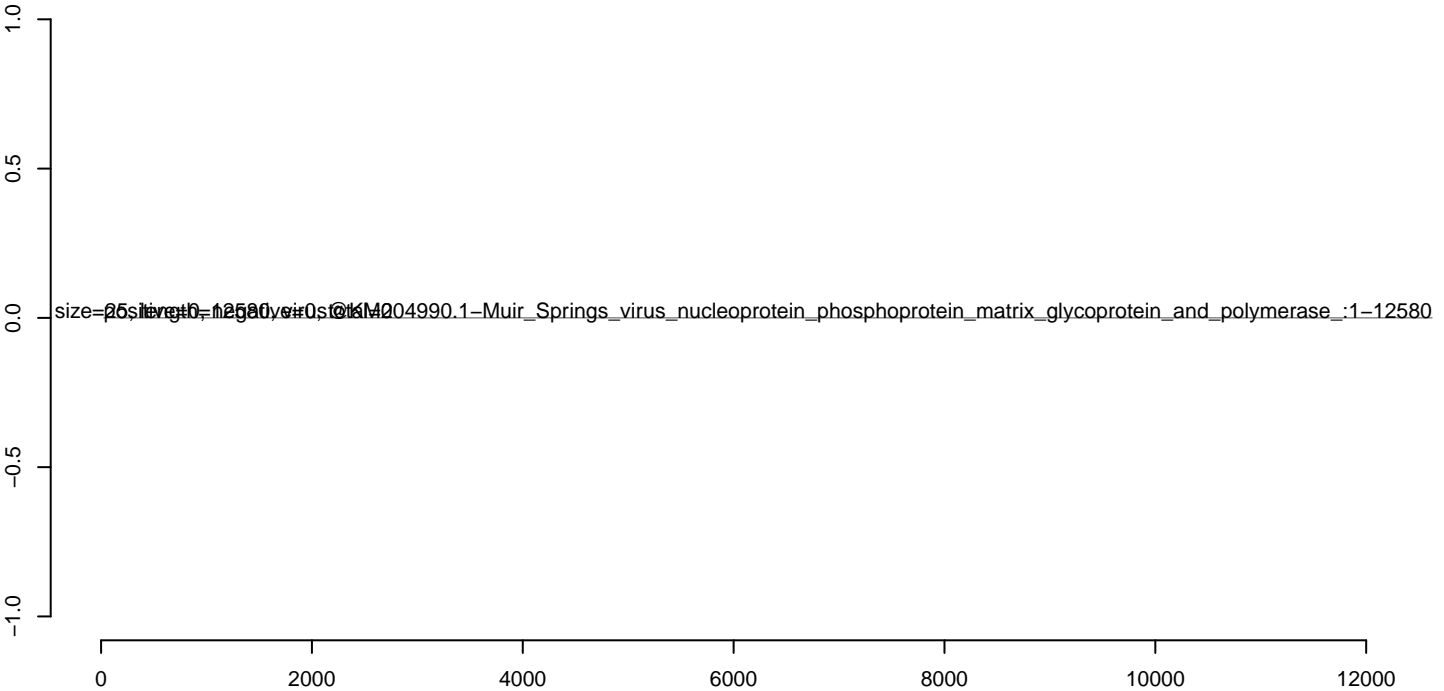
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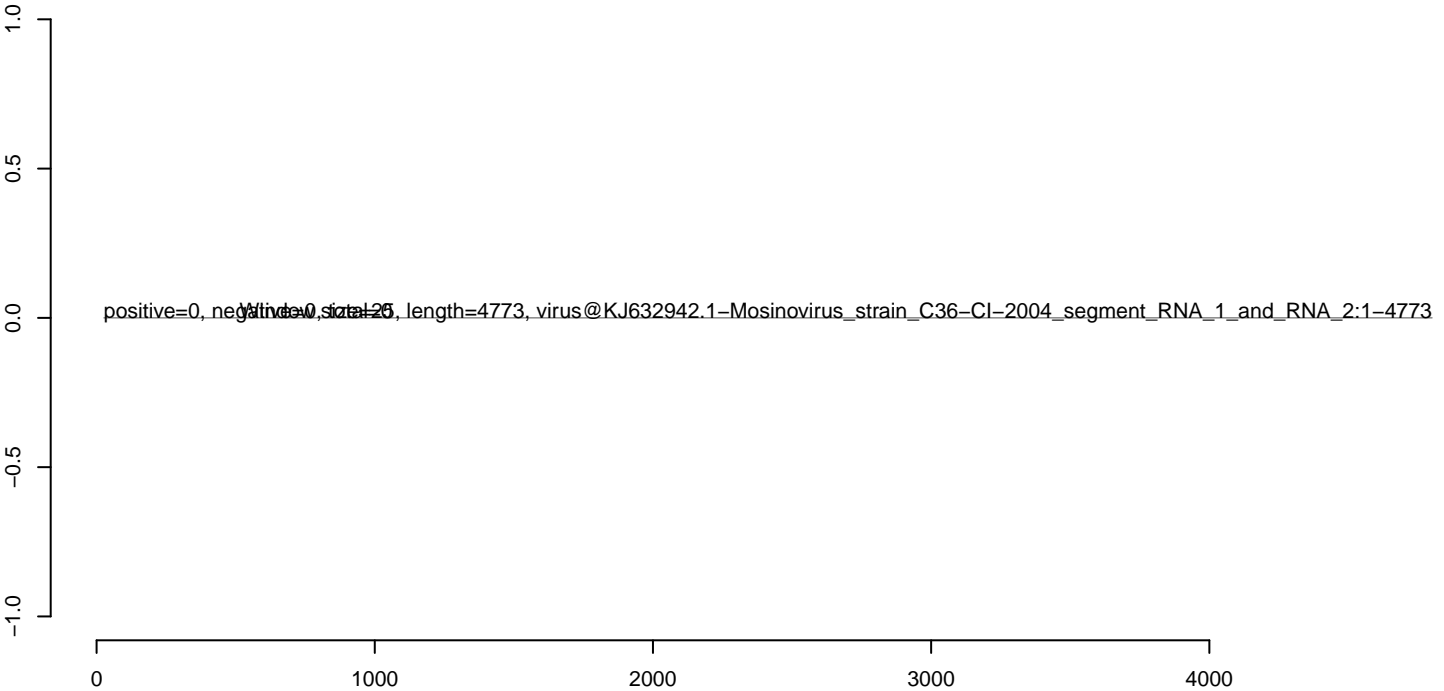
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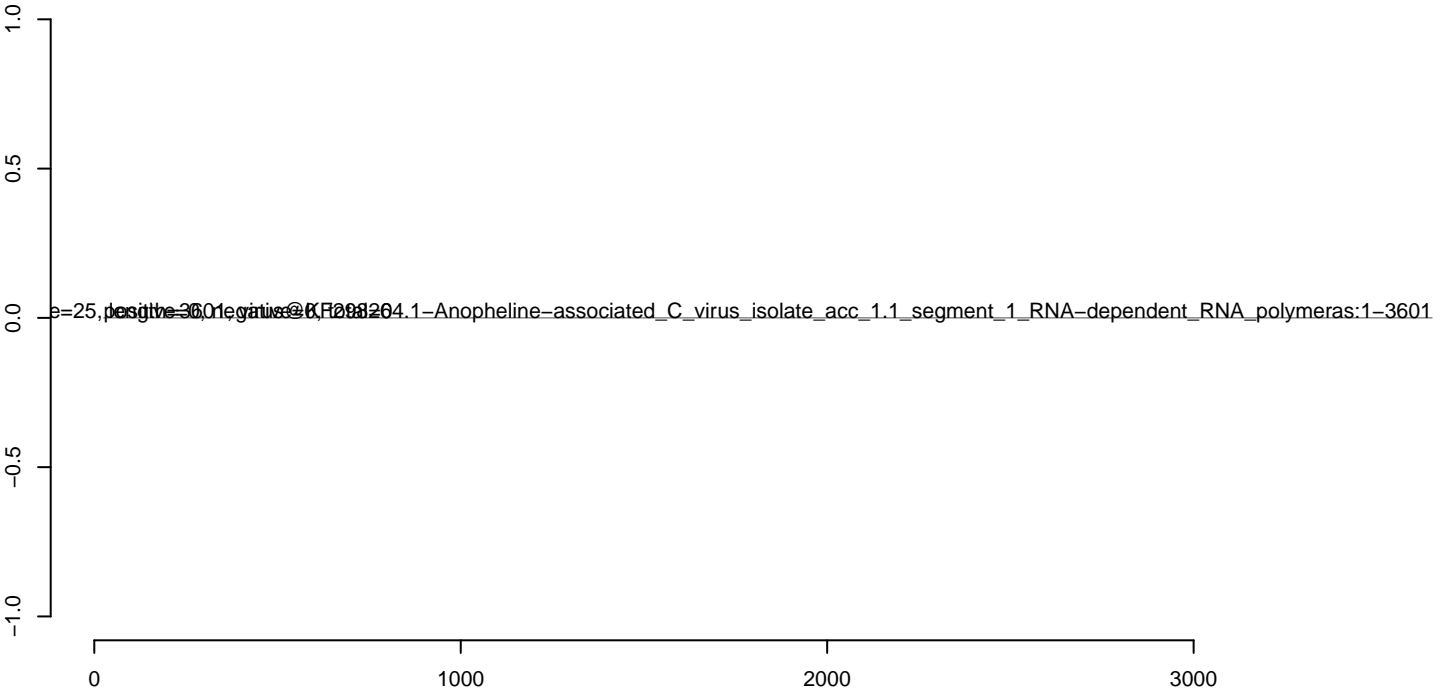
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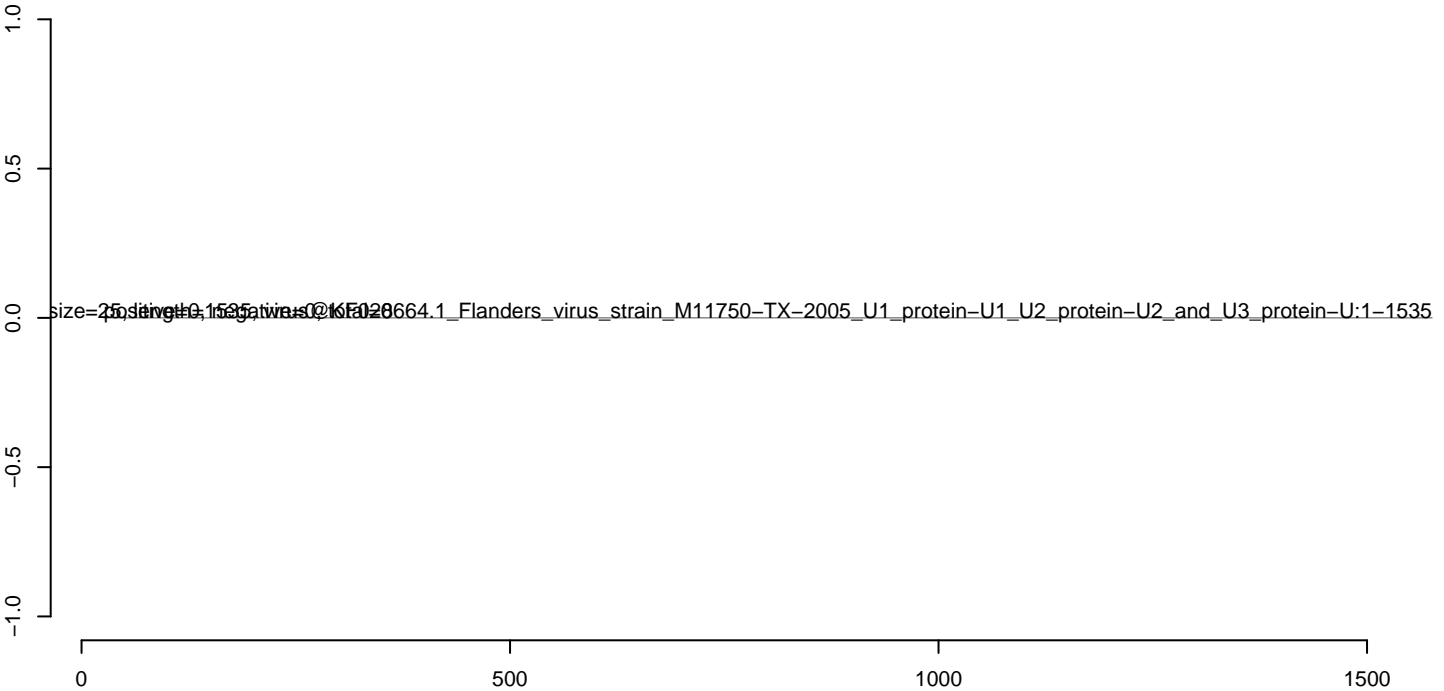
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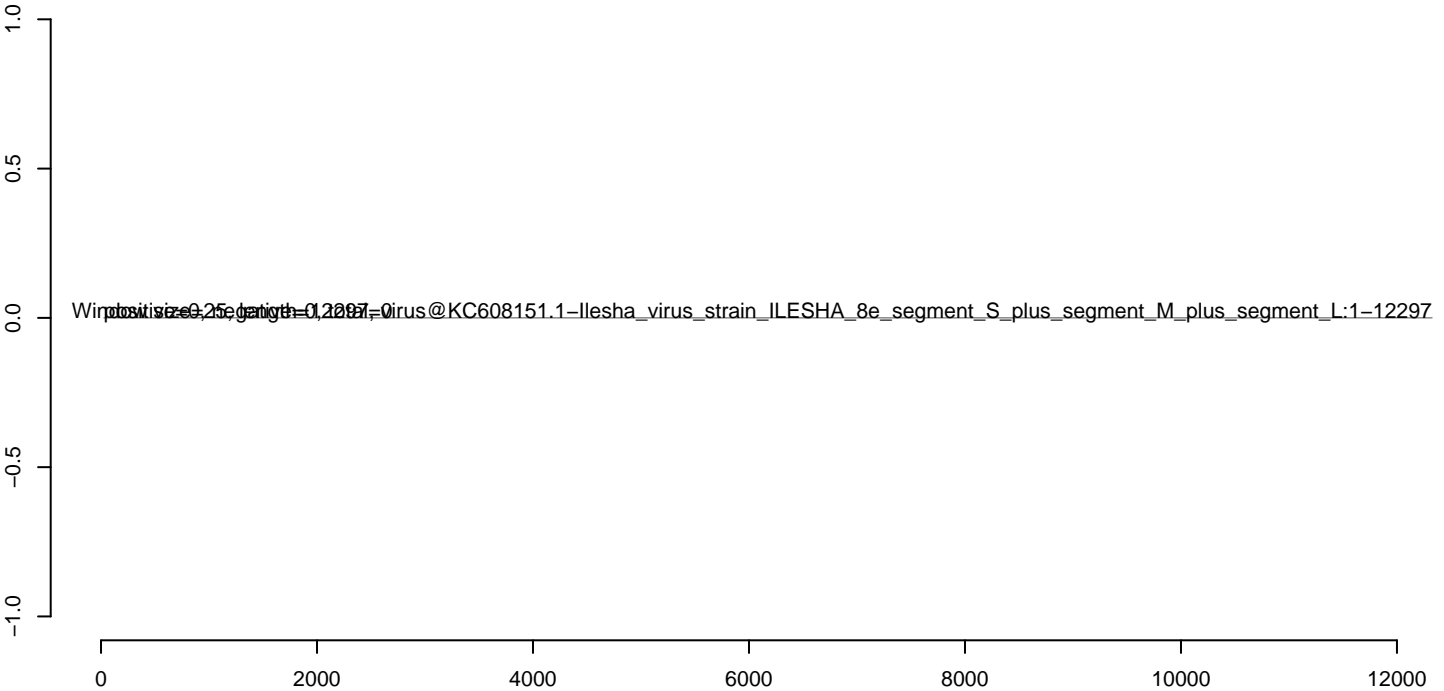
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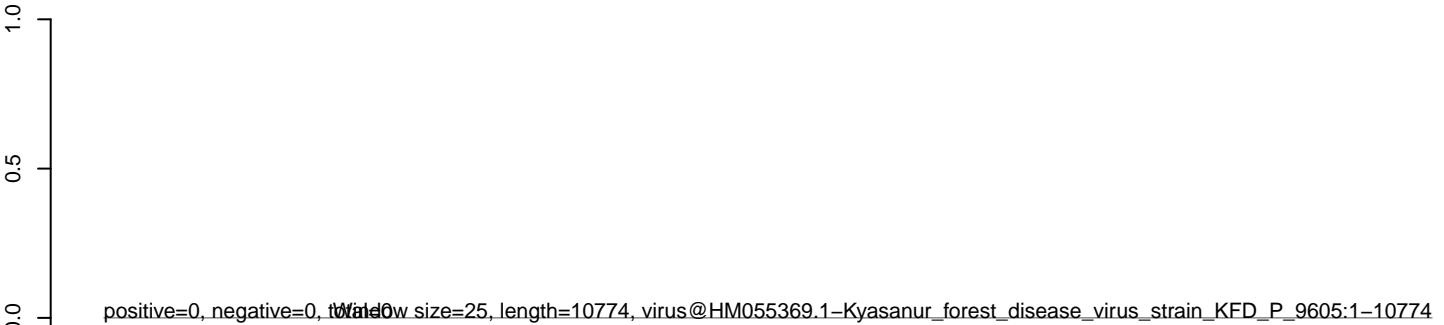
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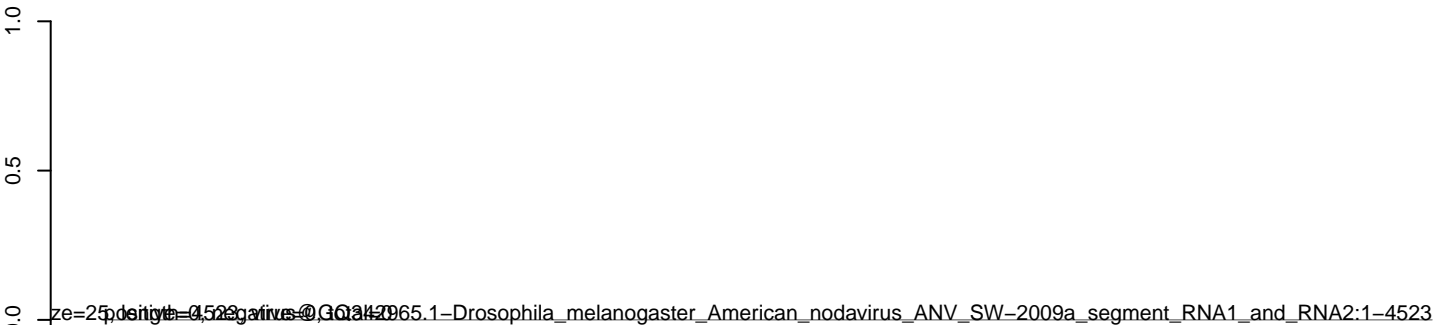
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**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



165.1-Drosophila\_melanogaster\_American\_nodavirus\_ANV\_SW-2009a\_segment\_RNA1\_and\_RNA2:1-4523



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.18\_23.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.24\_35.rep**



**AeAlbo\_HeadThor\_CHIKV.deltaB2\_NOV.rep**



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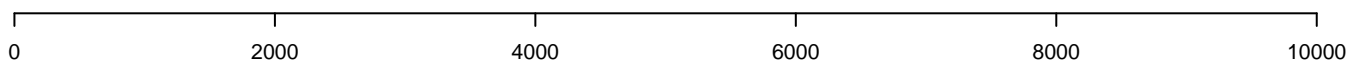
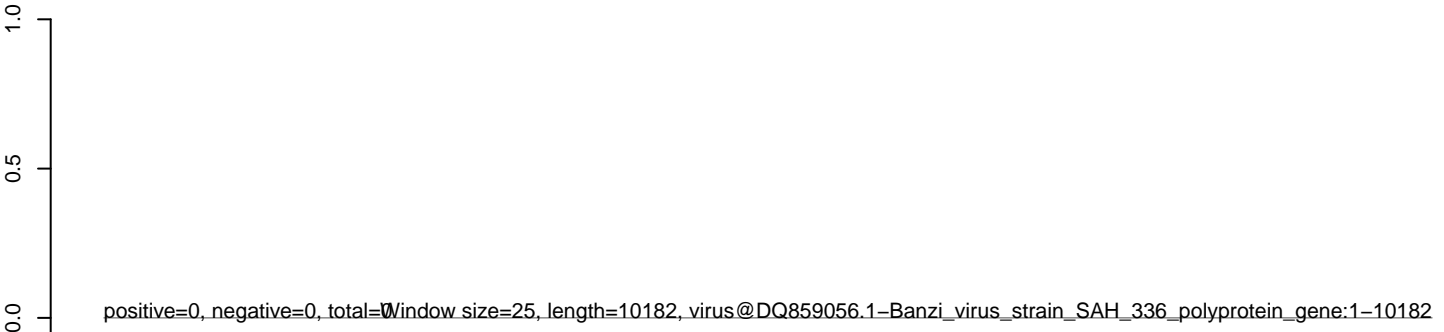
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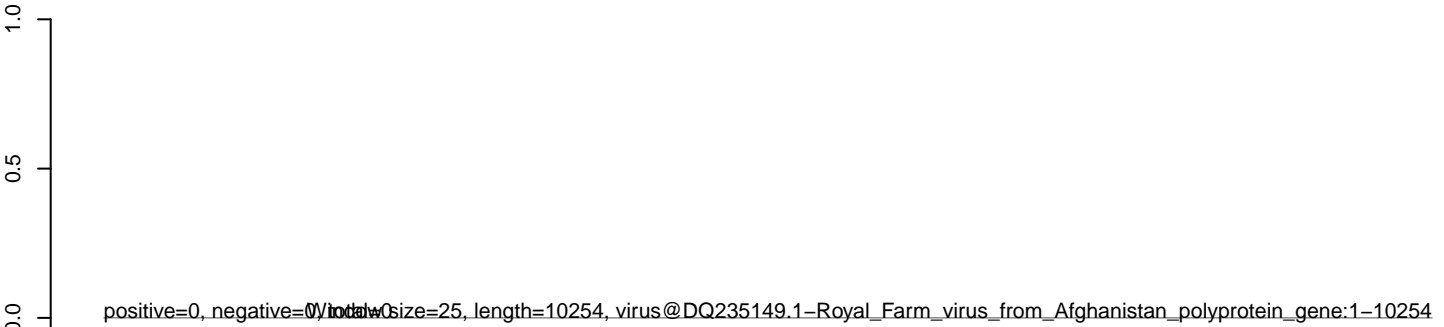
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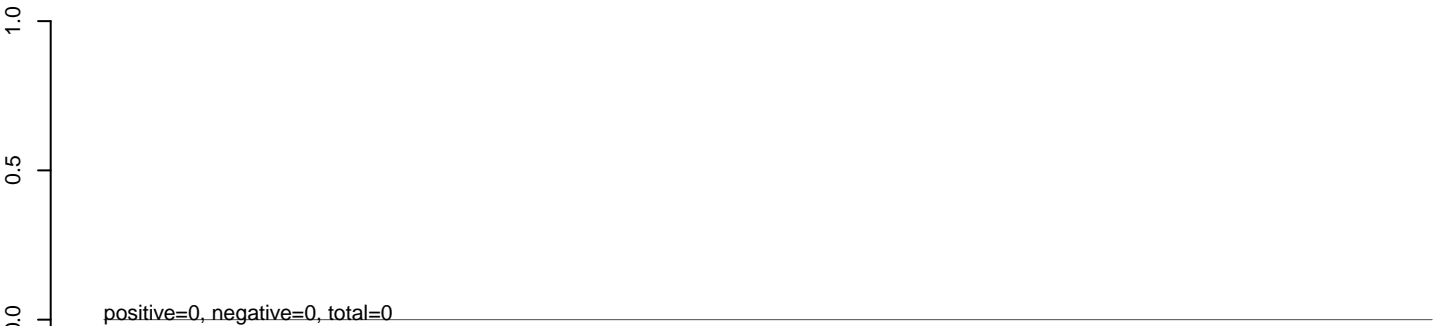
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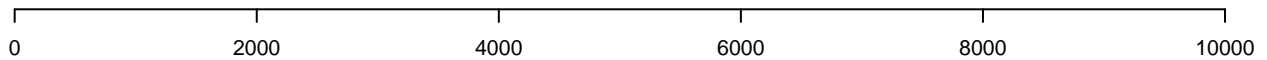
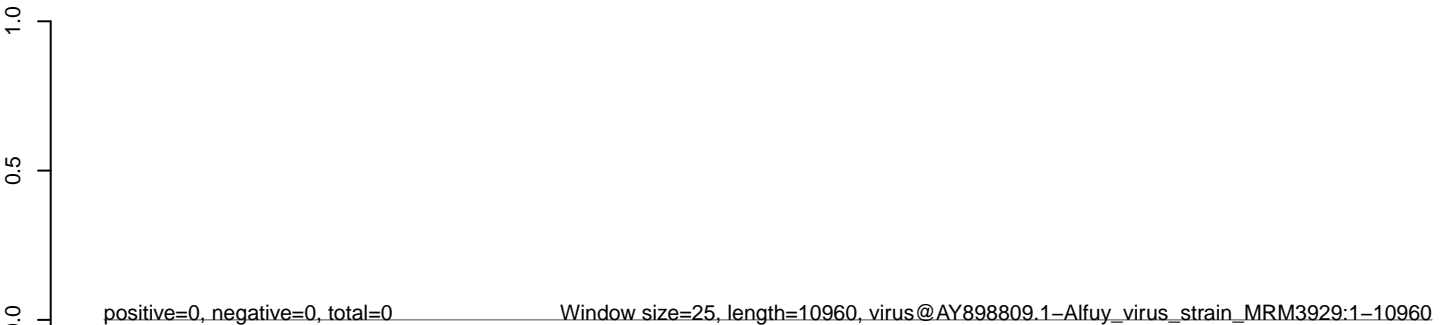
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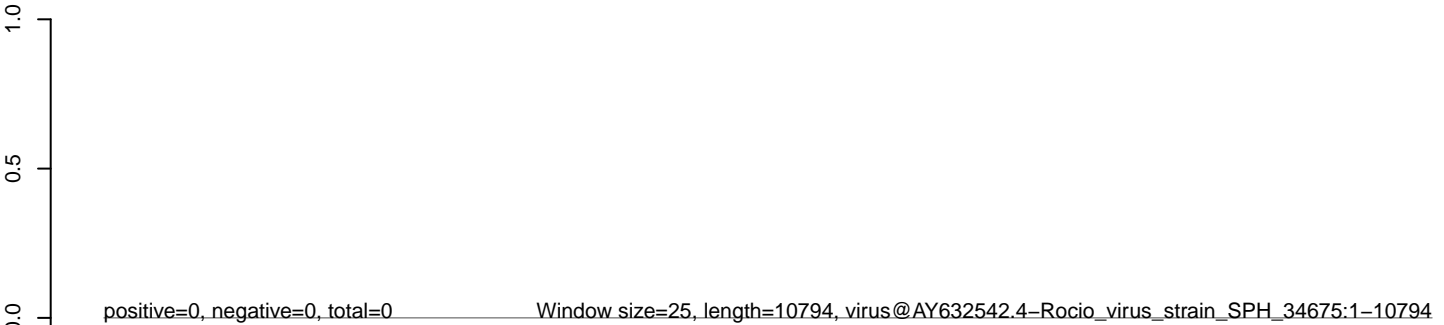
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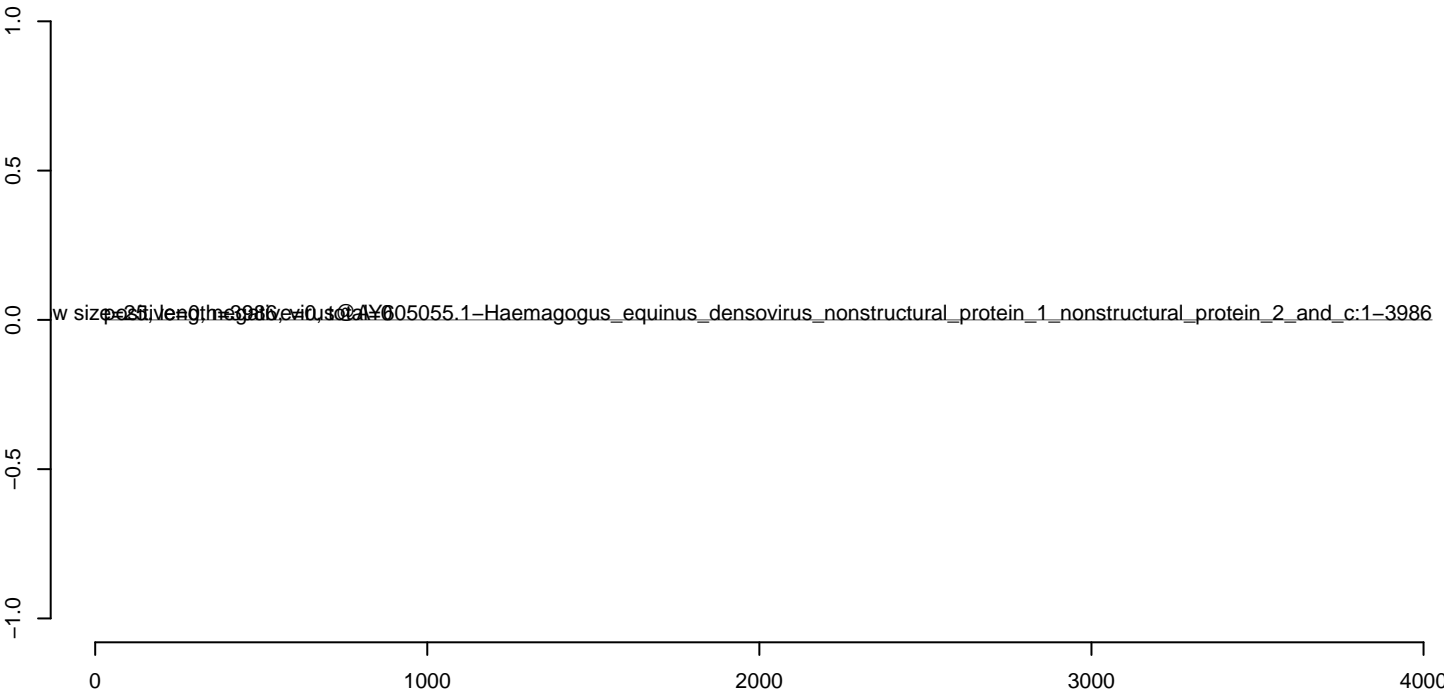
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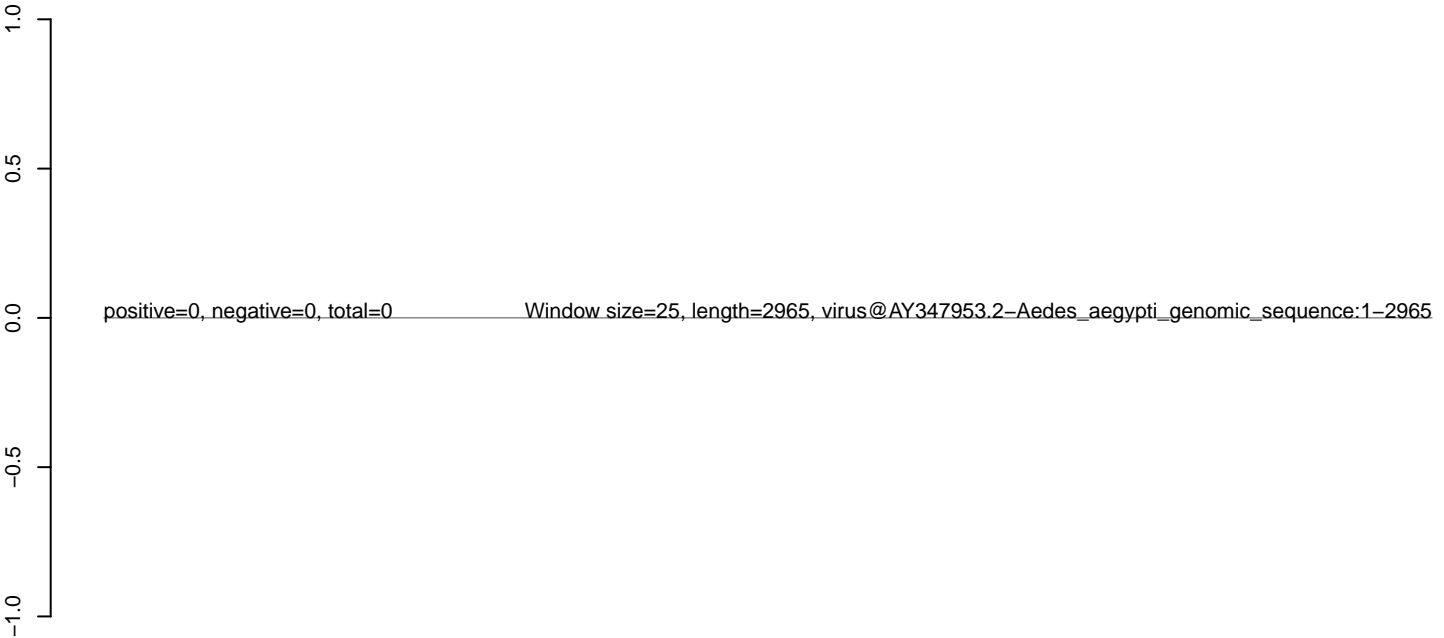
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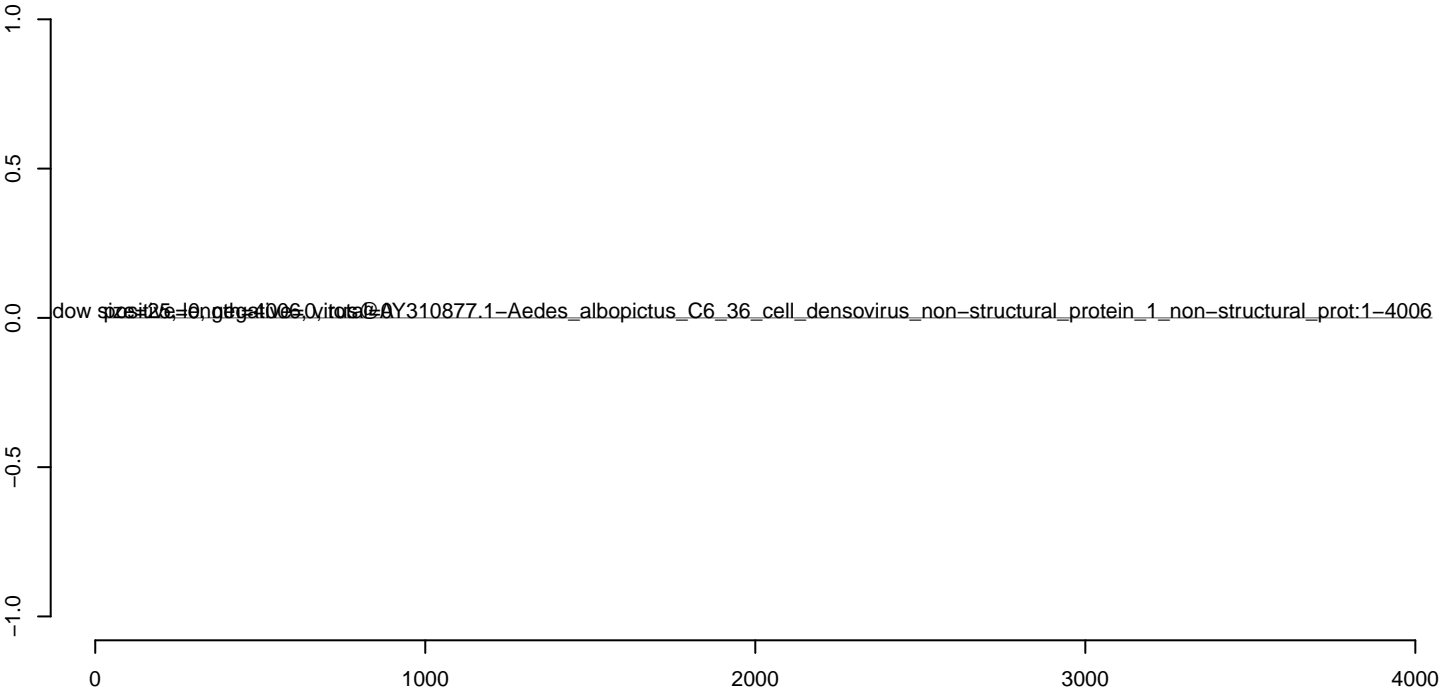
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