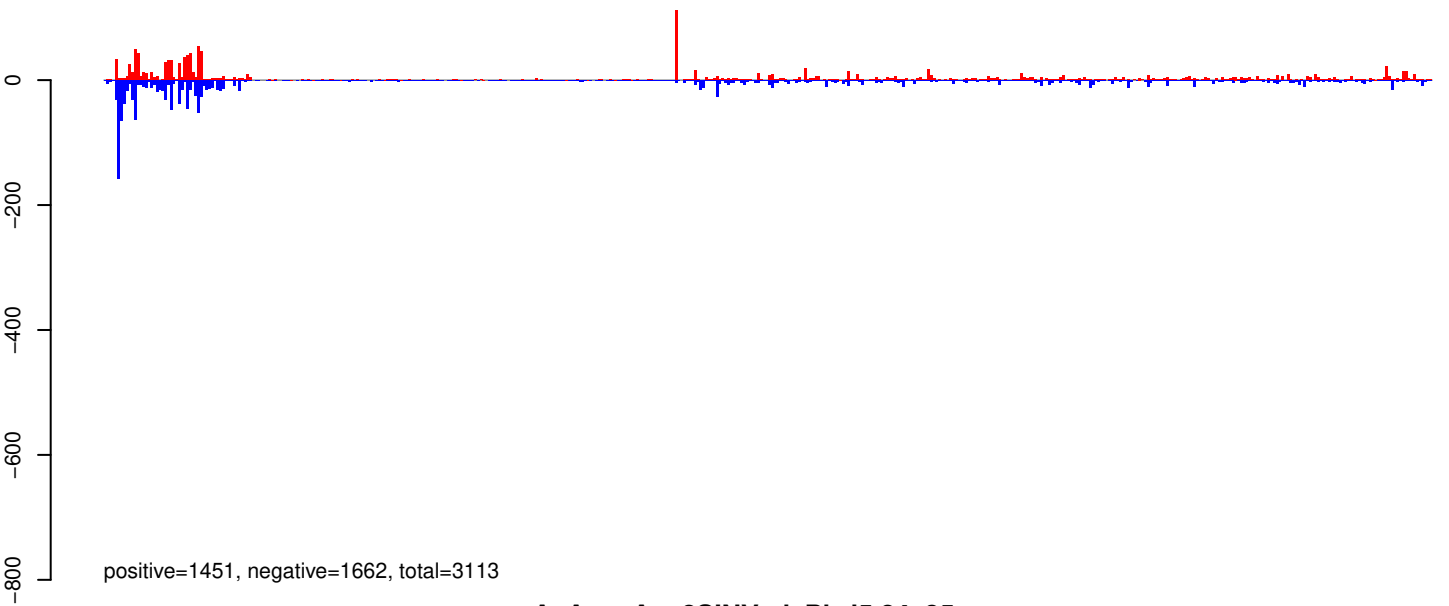
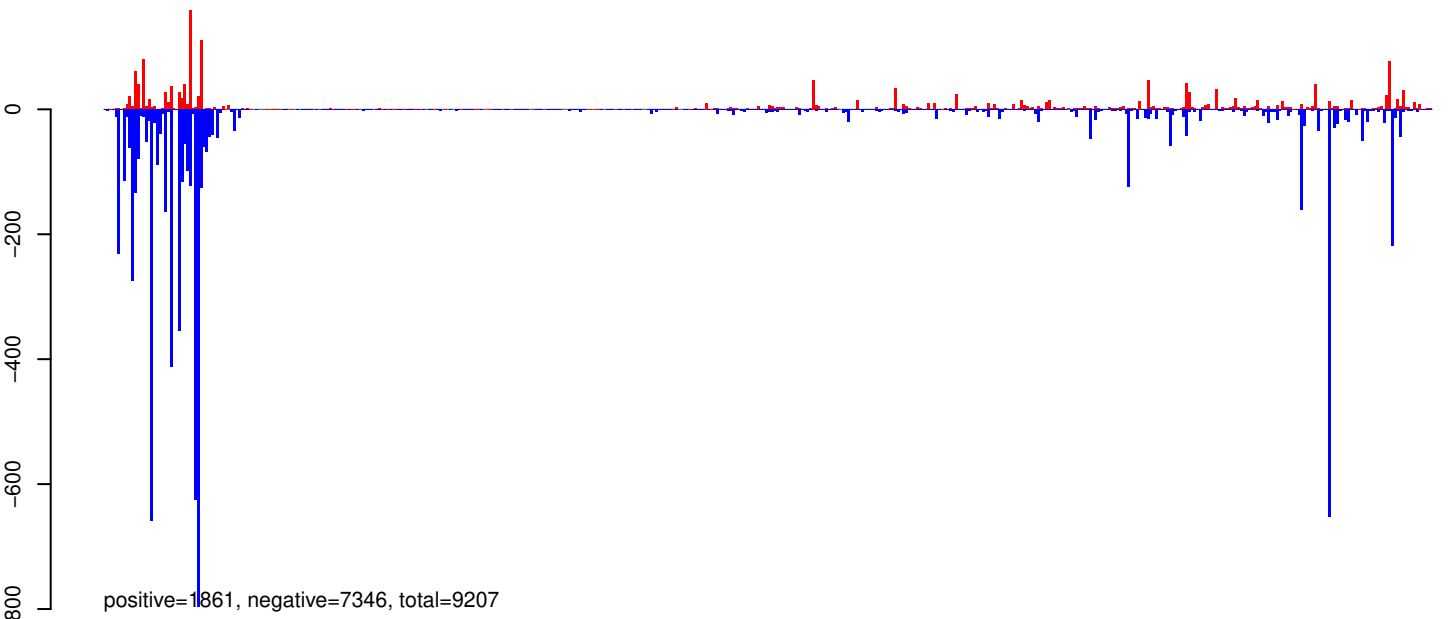


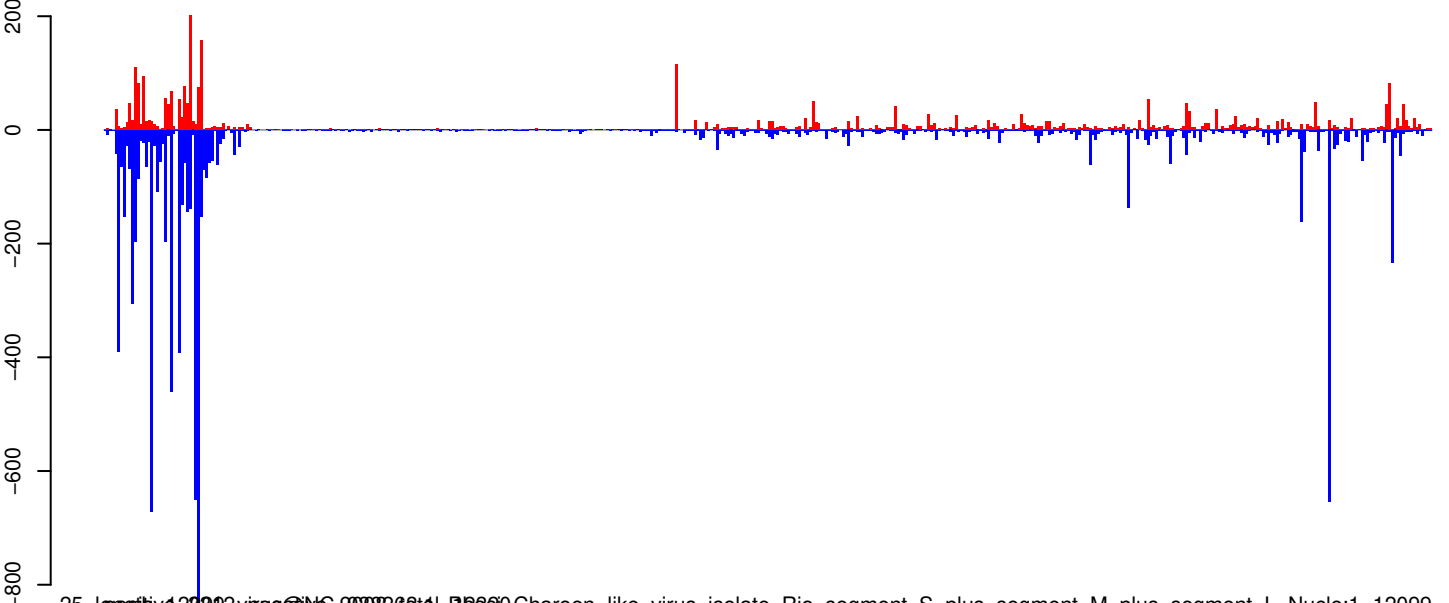
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



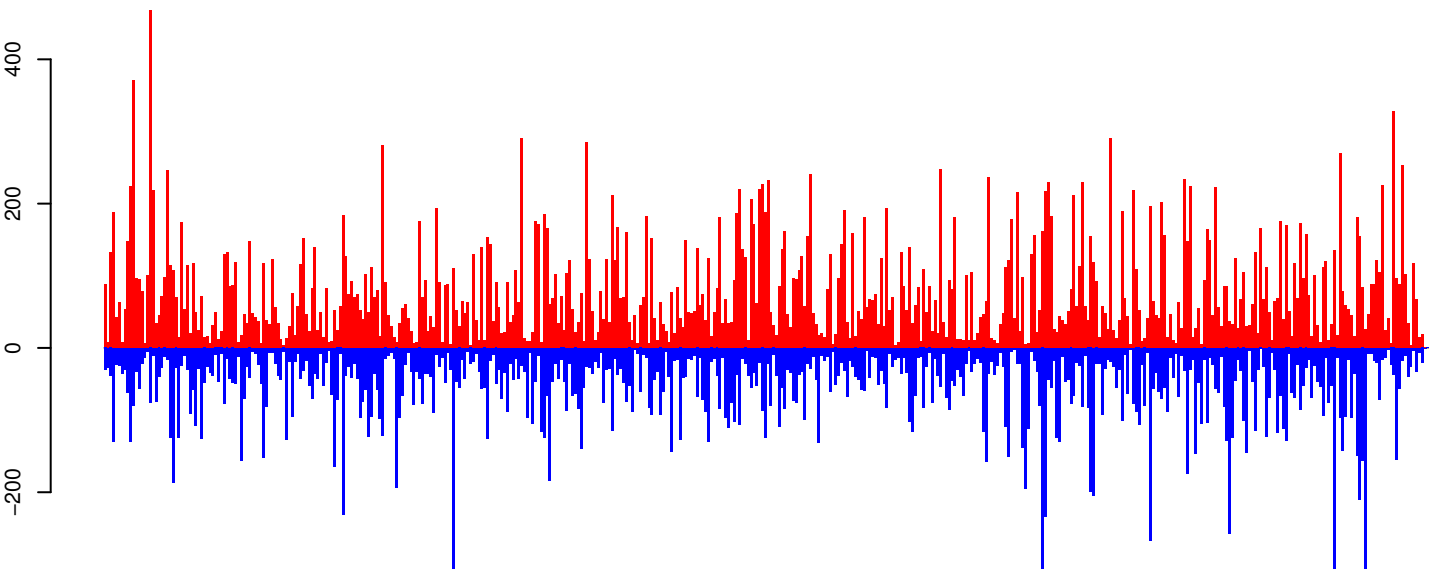
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**

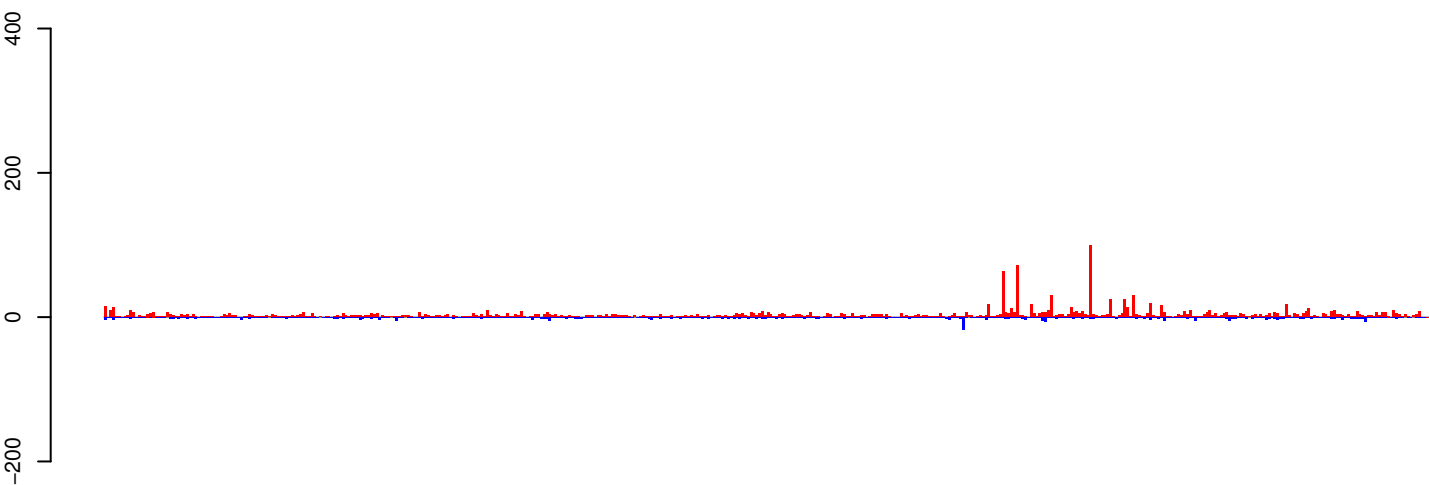


**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



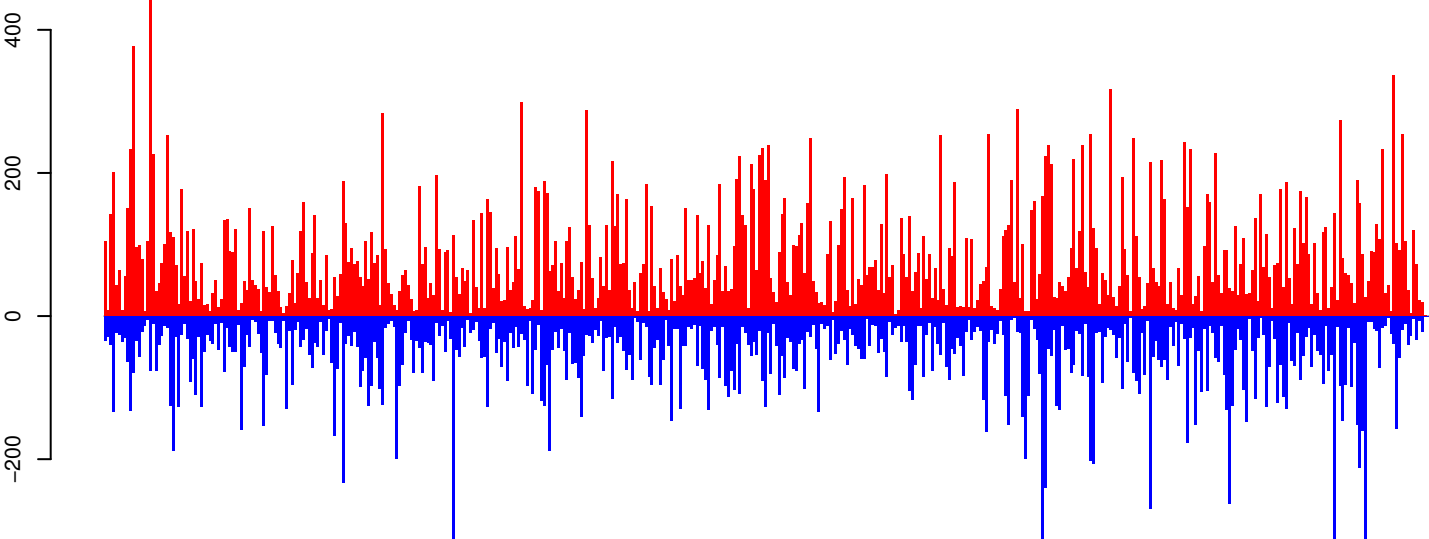
positive=37089, negative=25727, total=62815

**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



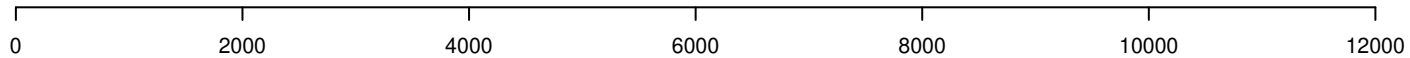
positive=1616, negative=464, total=2080

**AeAeg\_Aag2SINV\_dsPiwi5.rep**

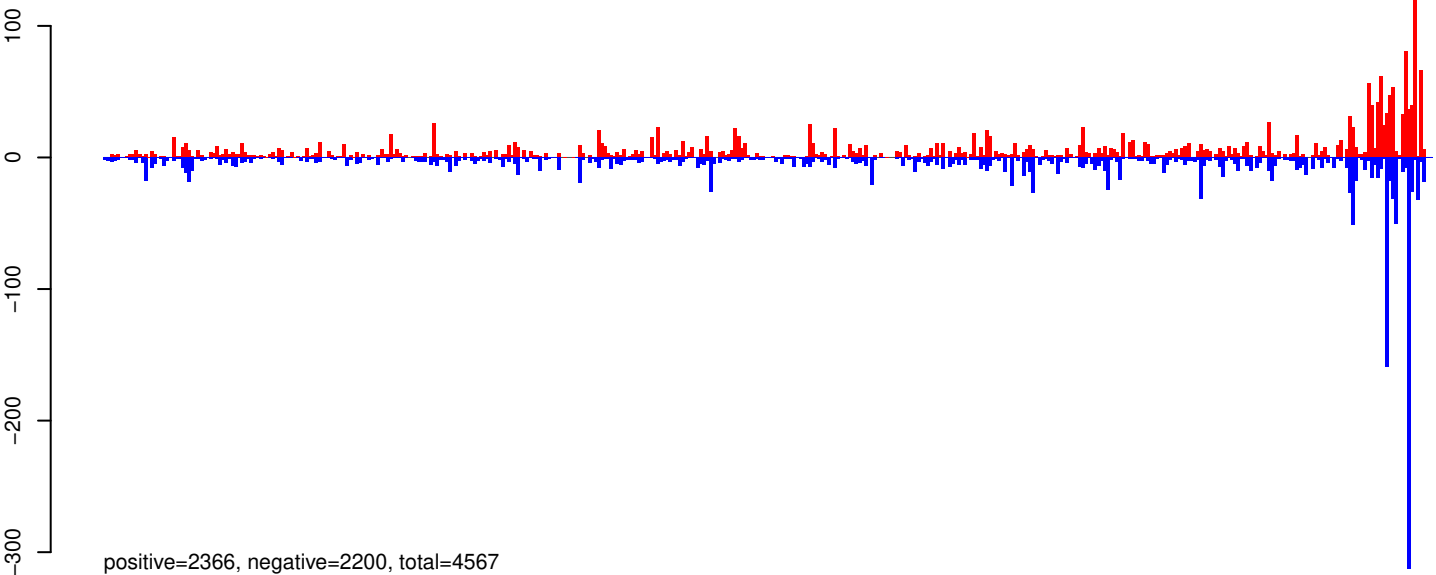


positive=38705, negative=26191, total=64895

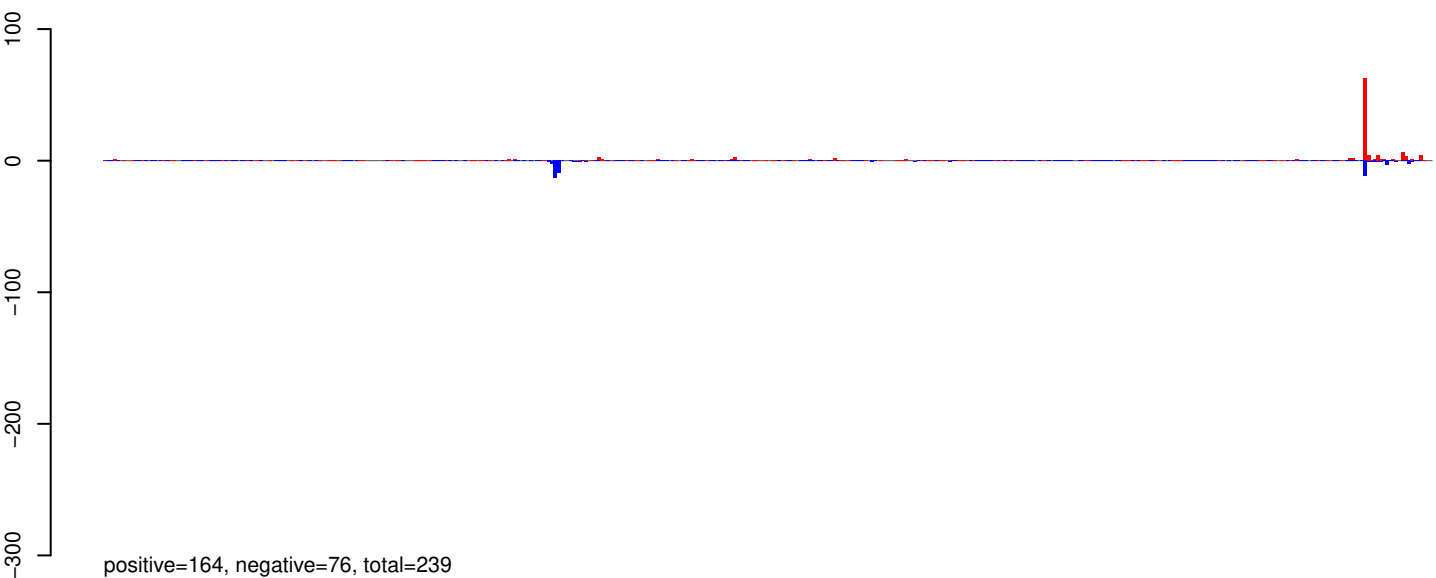
Window size=25, length=11703, virus@NC\_001547.1-Sindbis\_virus:1-11703



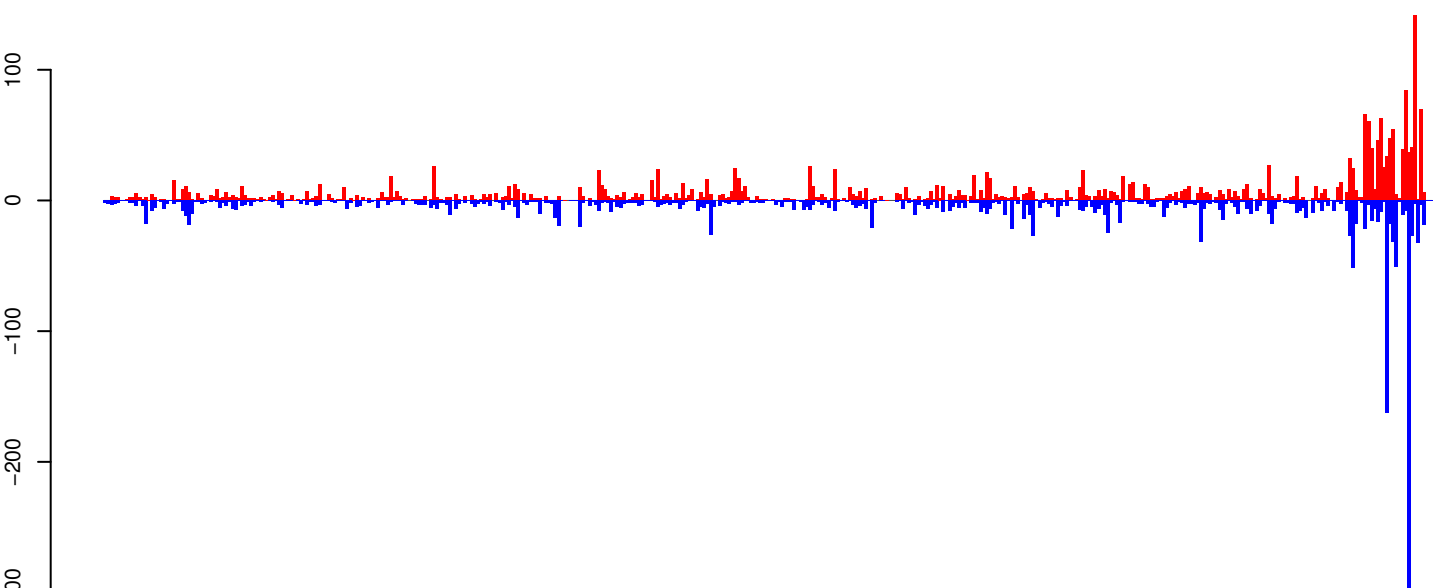
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



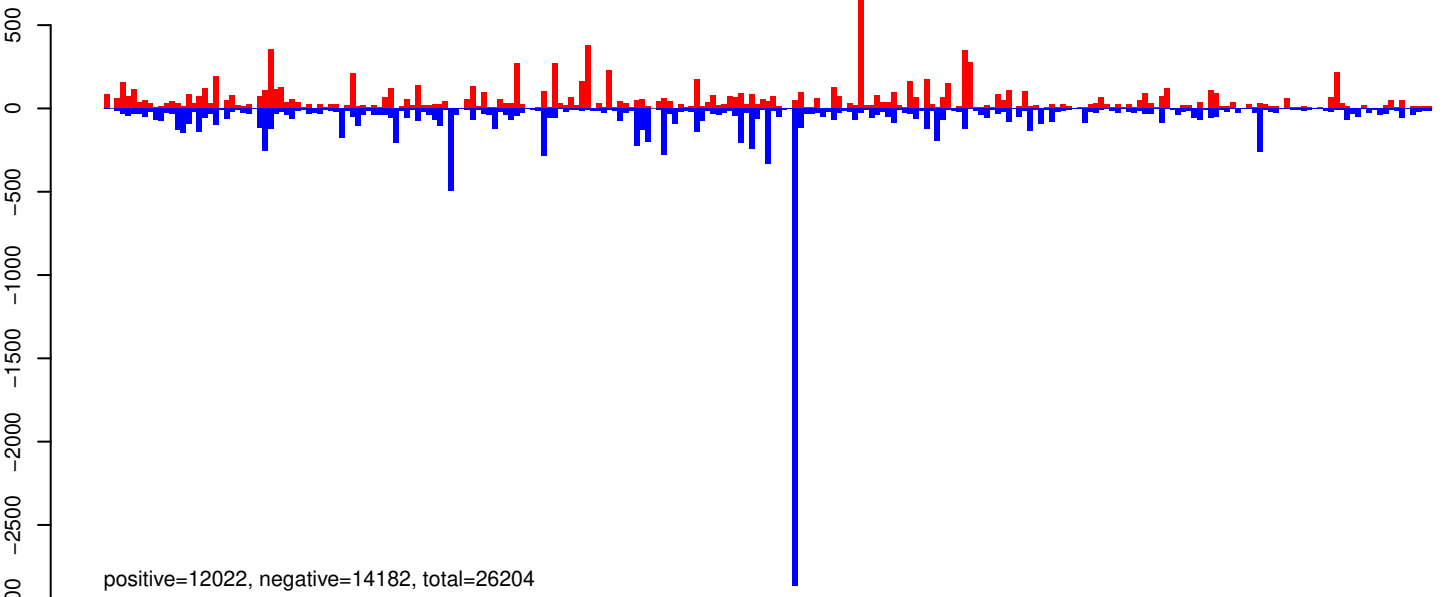
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



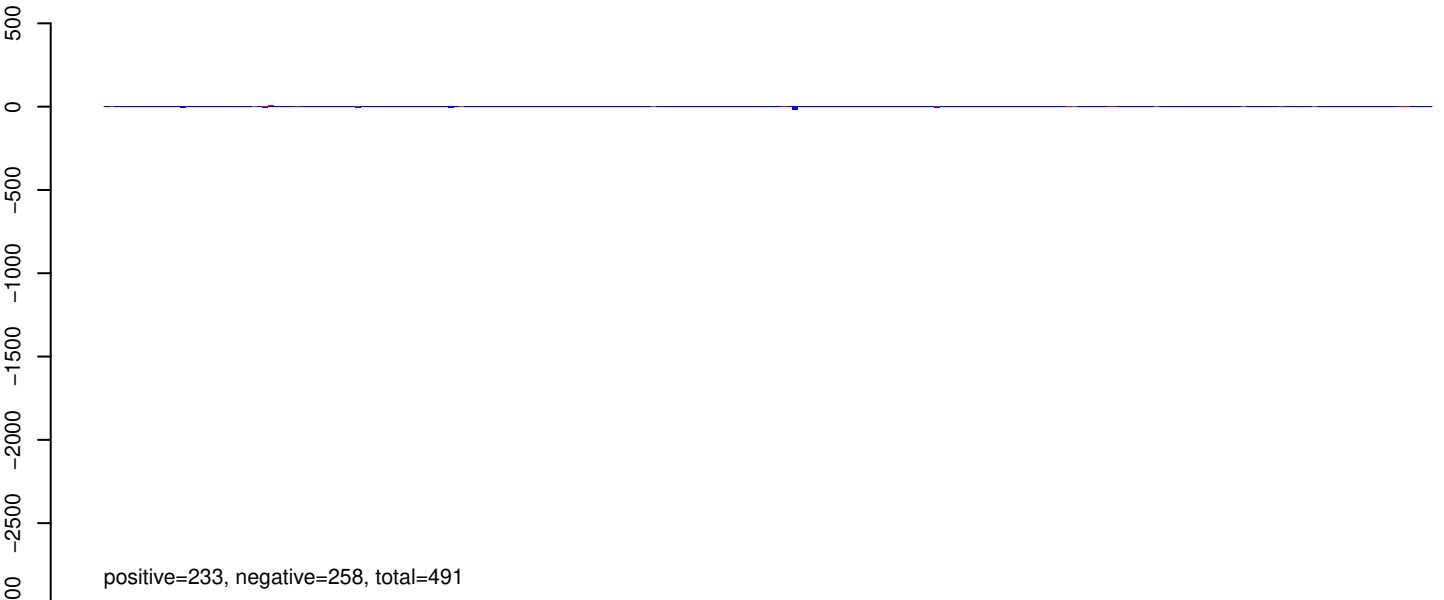
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



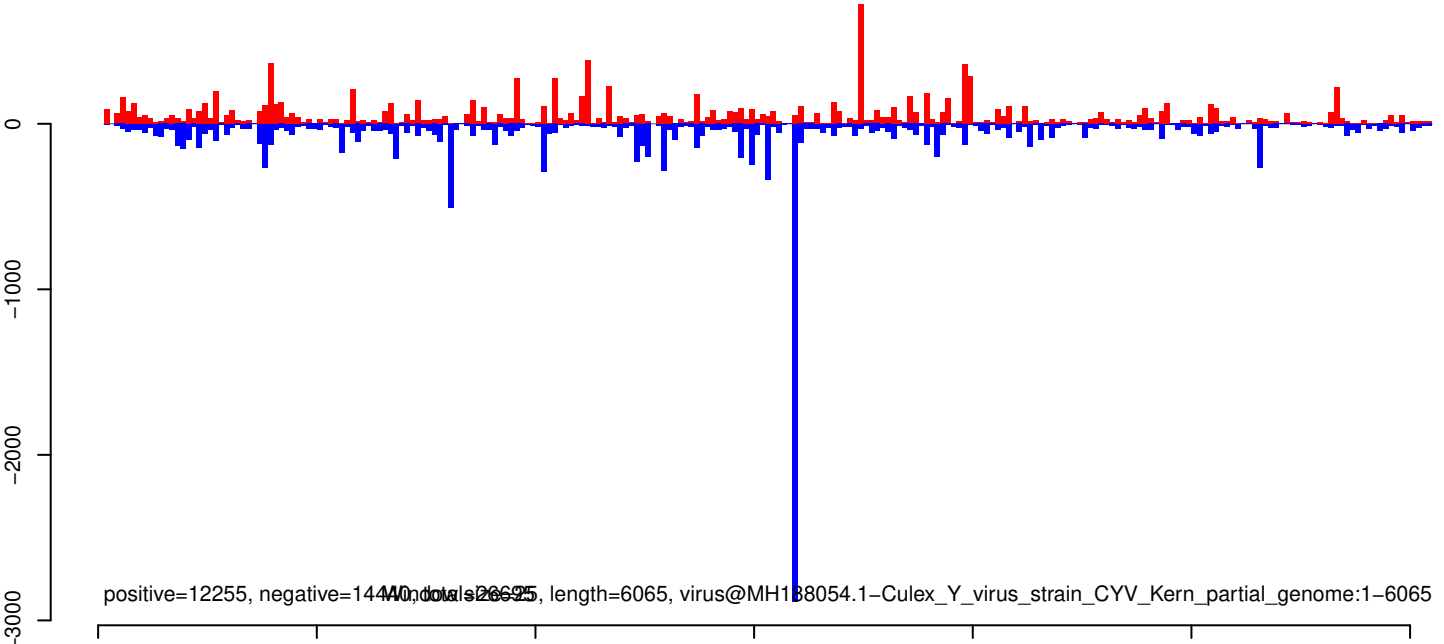
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



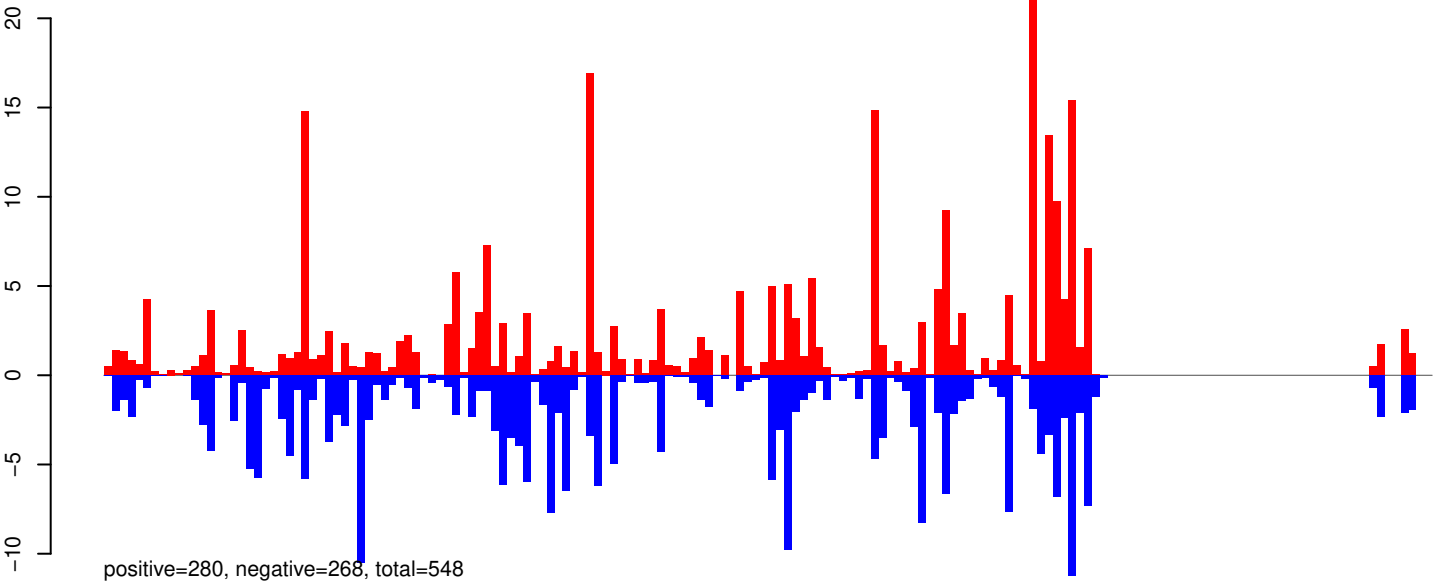
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



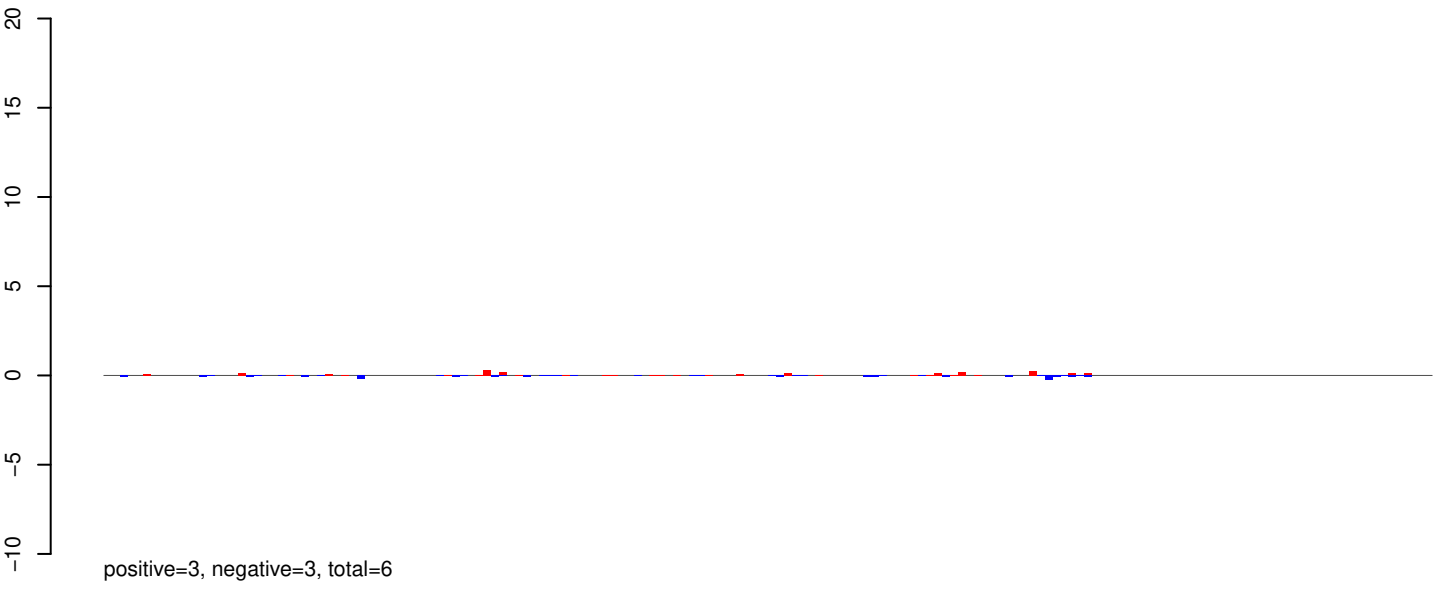
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



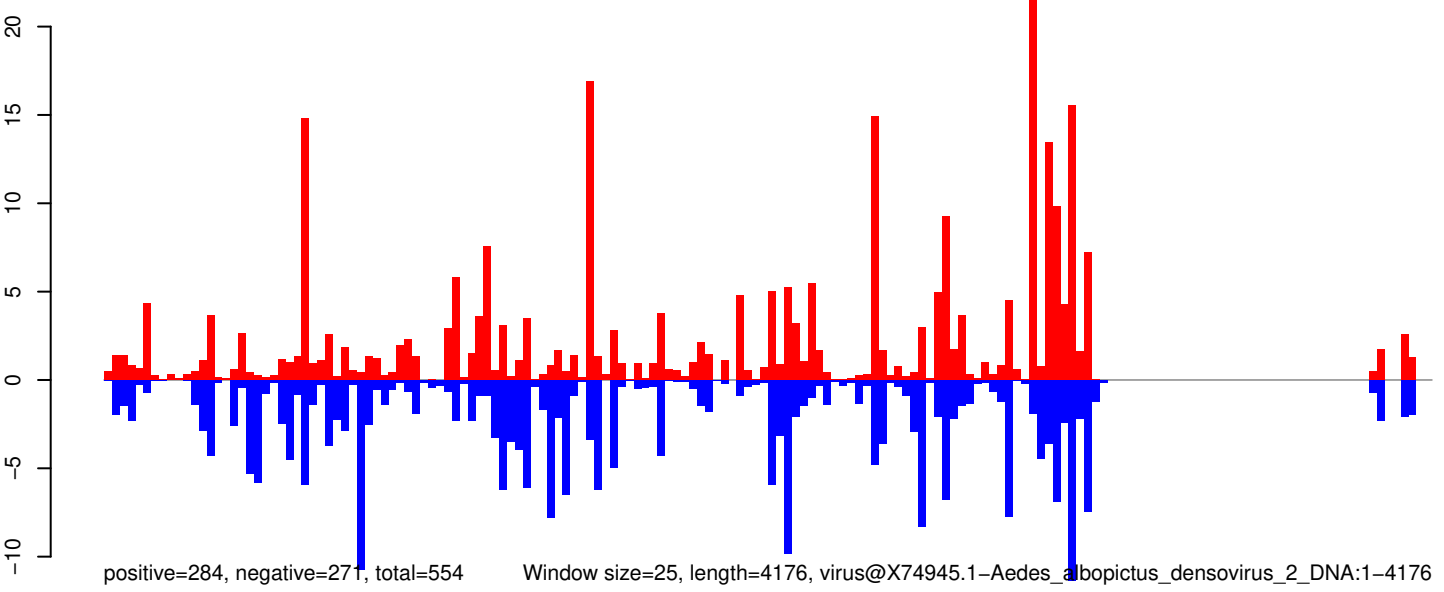
AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep



AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep

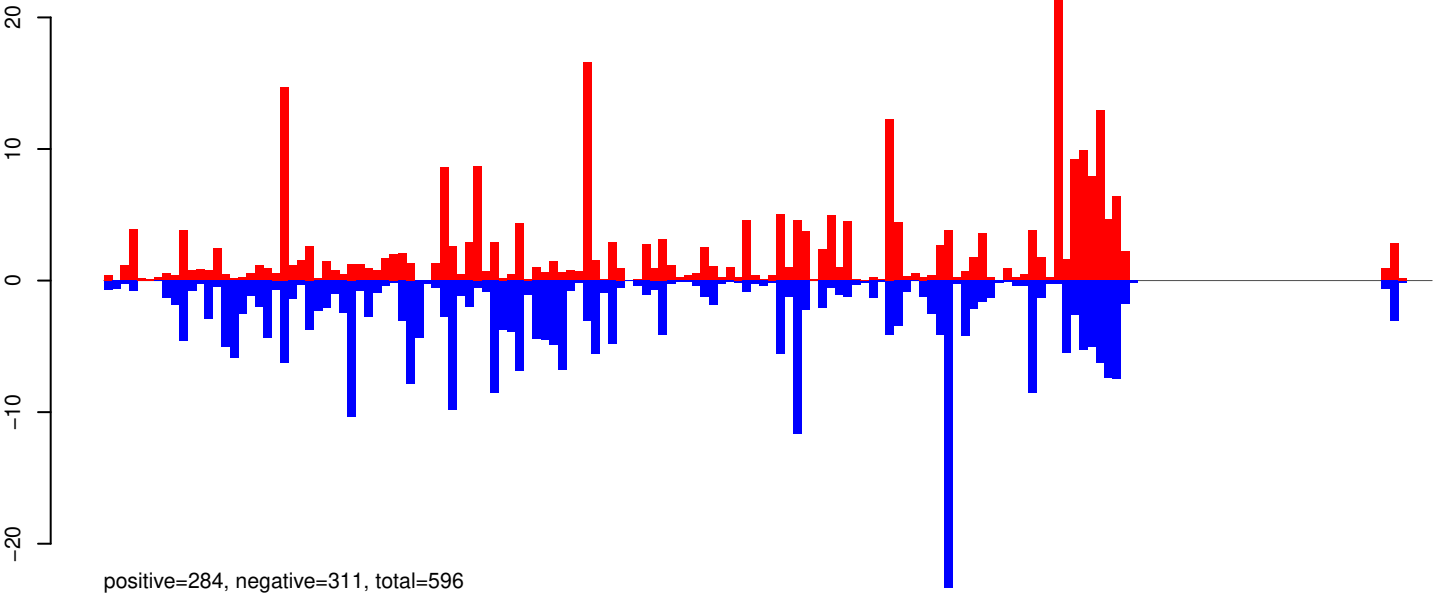


AeAeg\_Aag2SINV\_dsPiwi5.rep

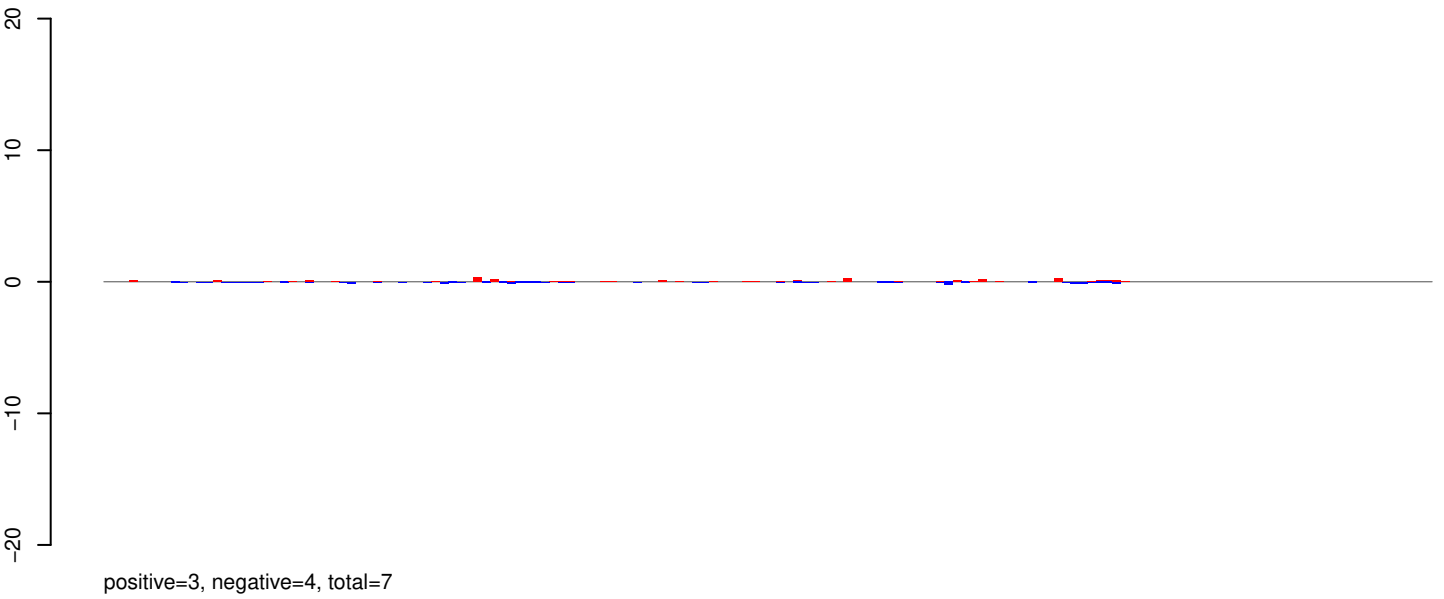


0 1000 2000 3000 4000

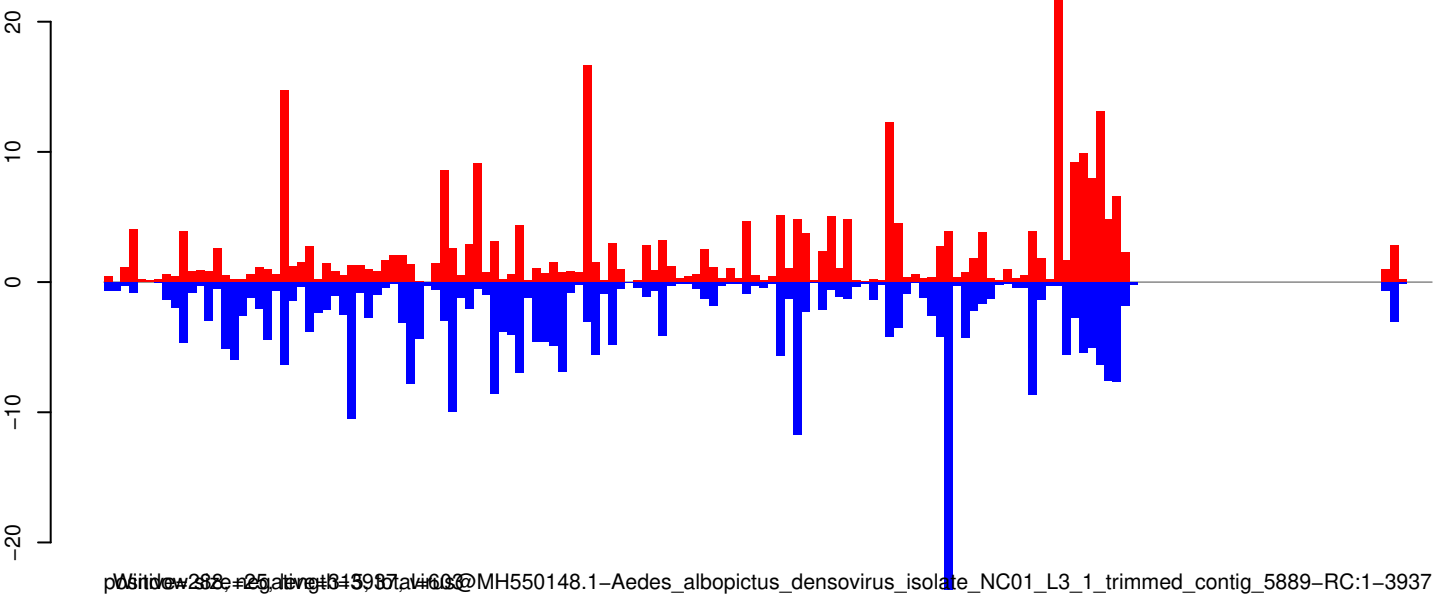
AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep



AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep



AeAeg\_Aag2SINV\_dsPiwi5.rep

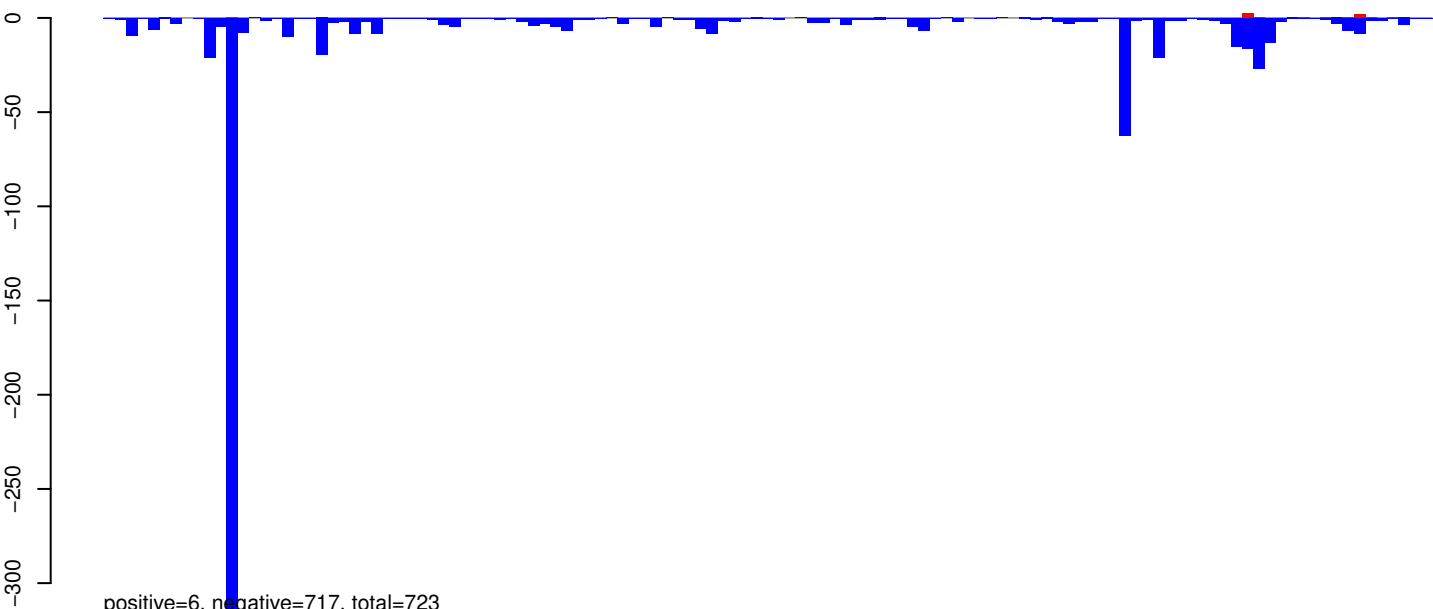


**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



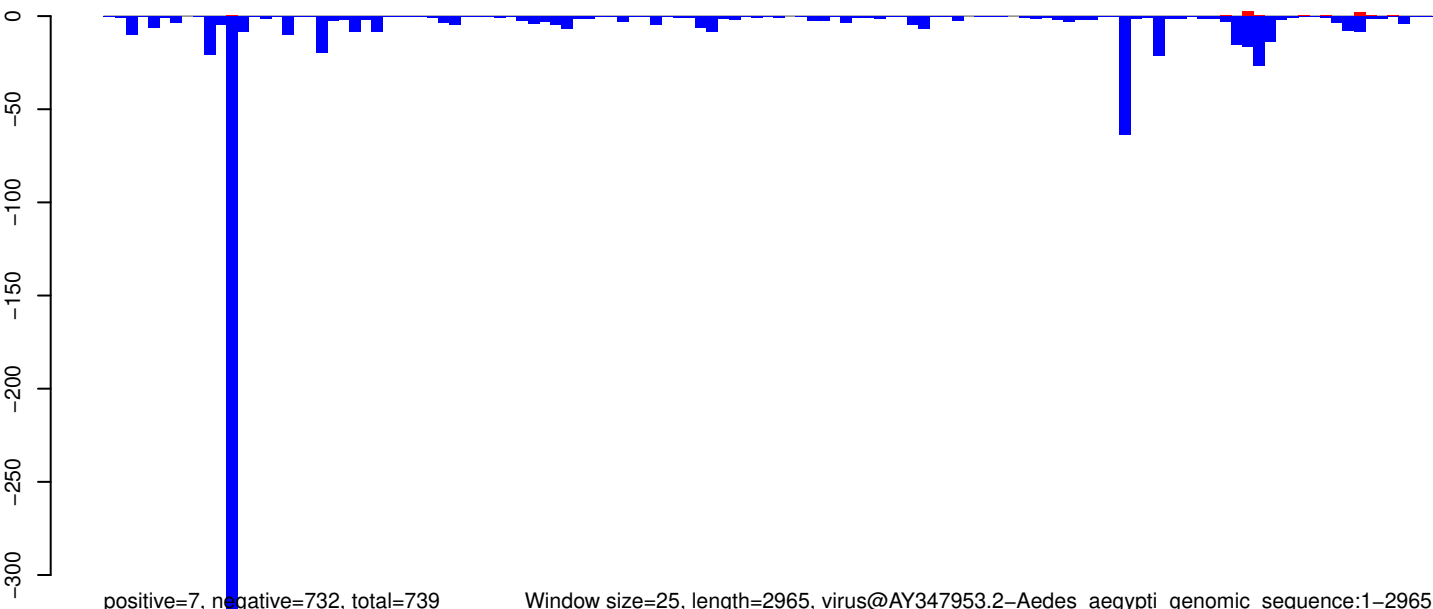
positive=1, negative=15, total=16

**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



positive=6, negative=717, total=723

**AeAeg\_Aag2SINV\_dsPiwi5.rep**

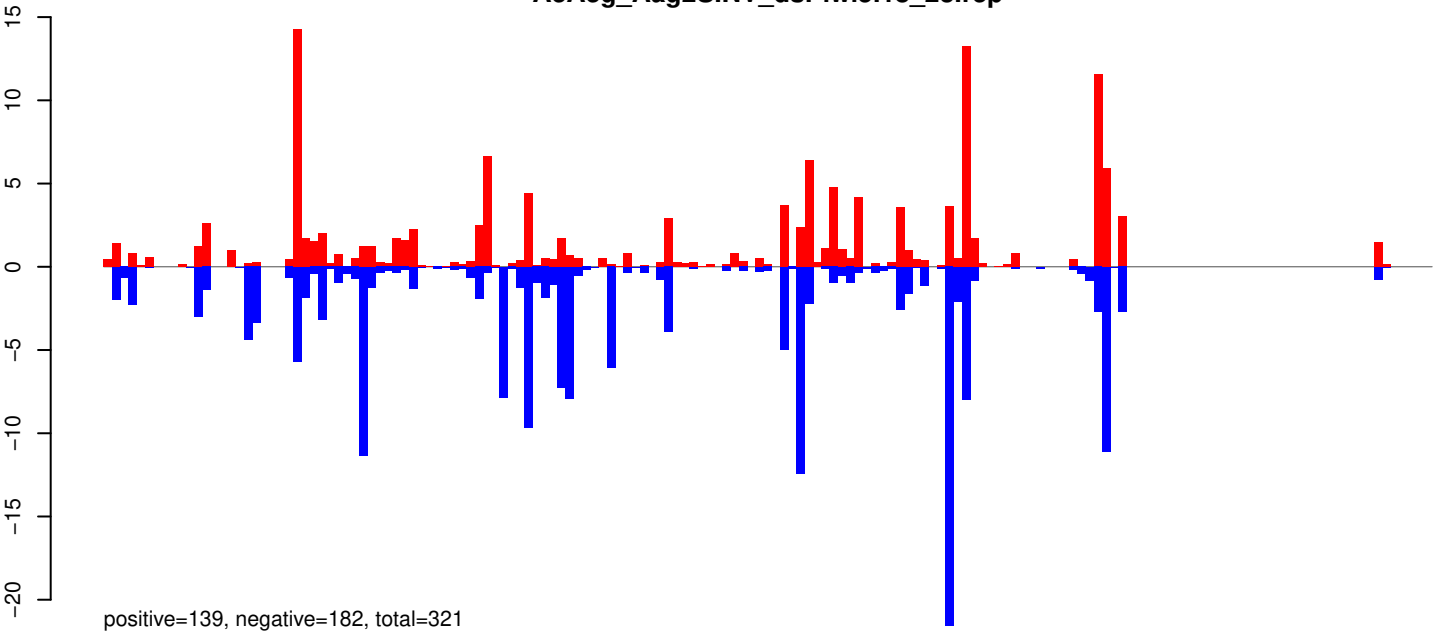


positive=7, negative=732, total=739

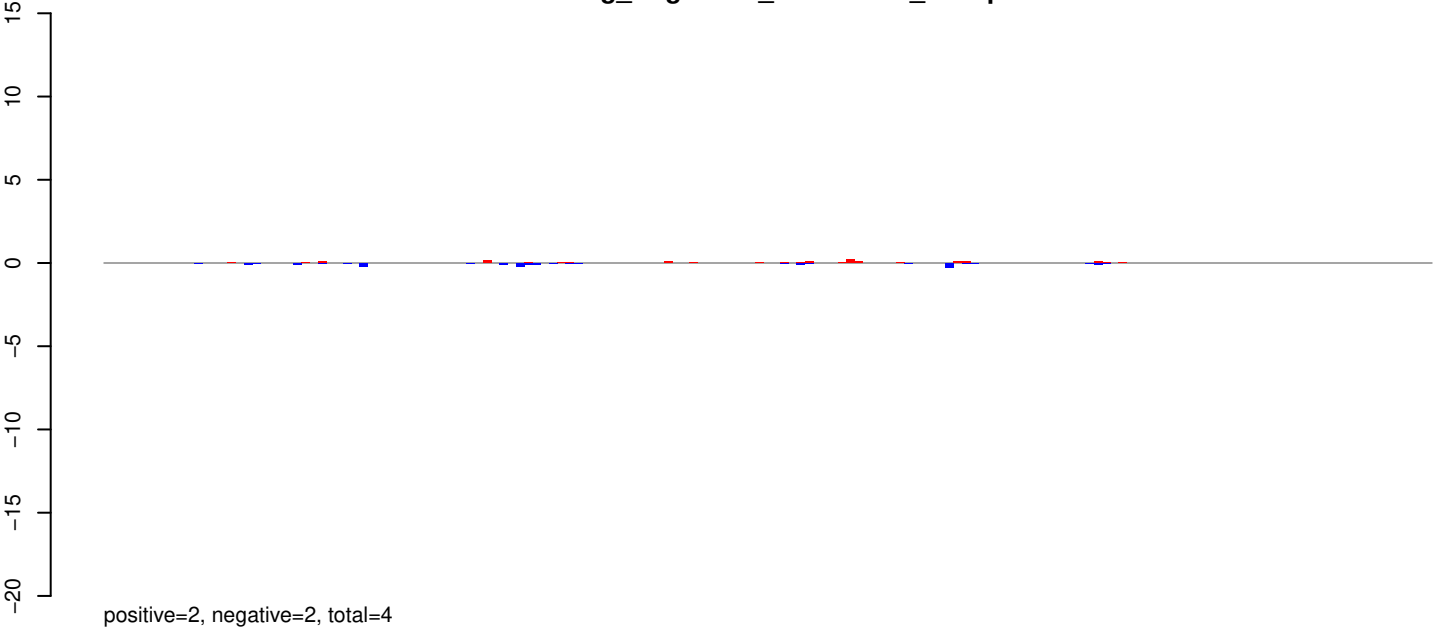
Window size=25, length=2965, virus@AY347953.2-Aedes\_aegypti\_genomic\_sequence:1-2965

0 500 1000 1500 2000 2500 3000

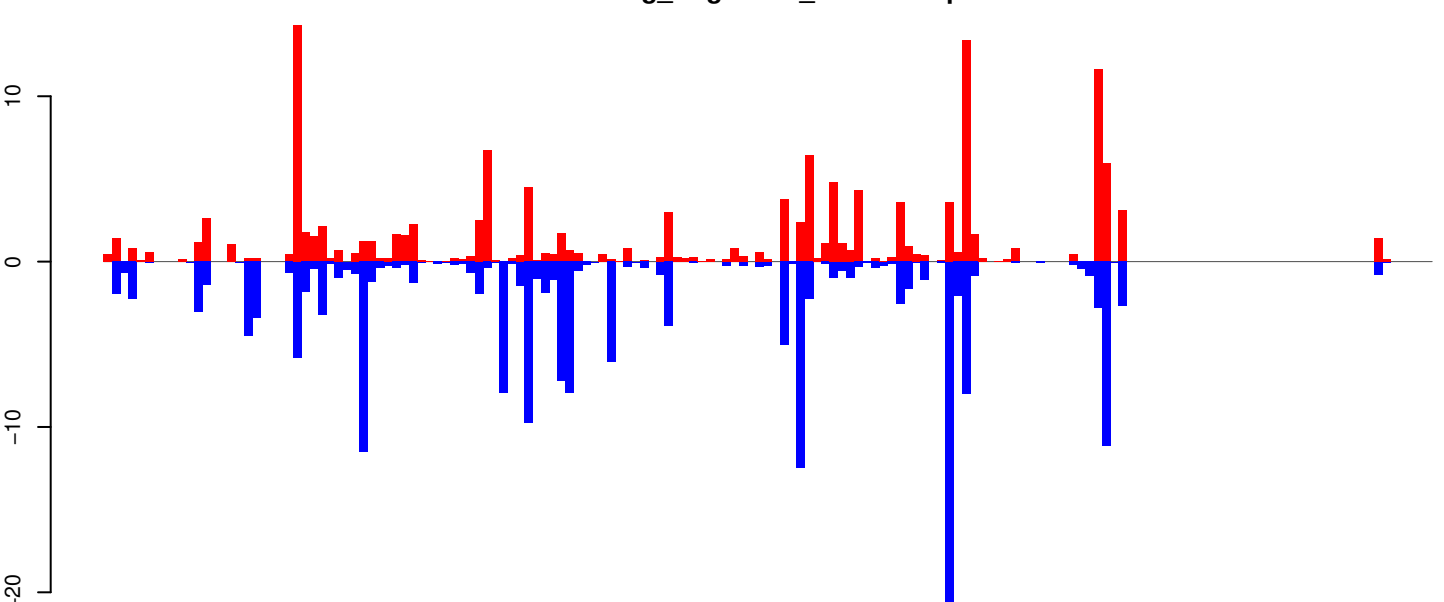
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**

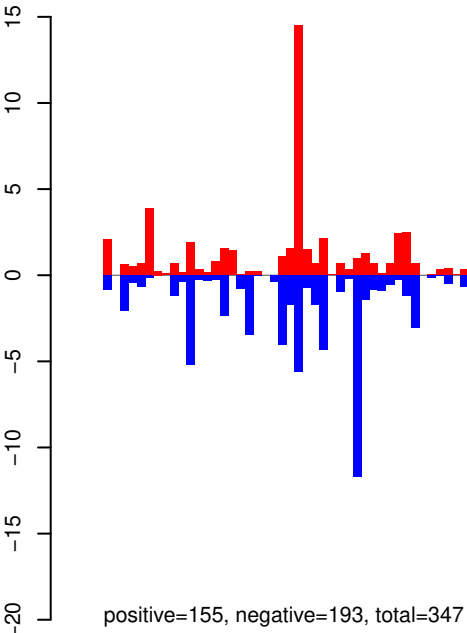


downloaded from <https://www.ncbi.nlm.nih.gov/trace.ncbi.nlm.nih.gov/projects/genome/assembly/blast/> on 2025-11-20 14:37:11. Aedes albopictus\_C6\_36\_cell\_densovirus\_non-structural\_protein\_1\_non-structural\_prot:1-4006

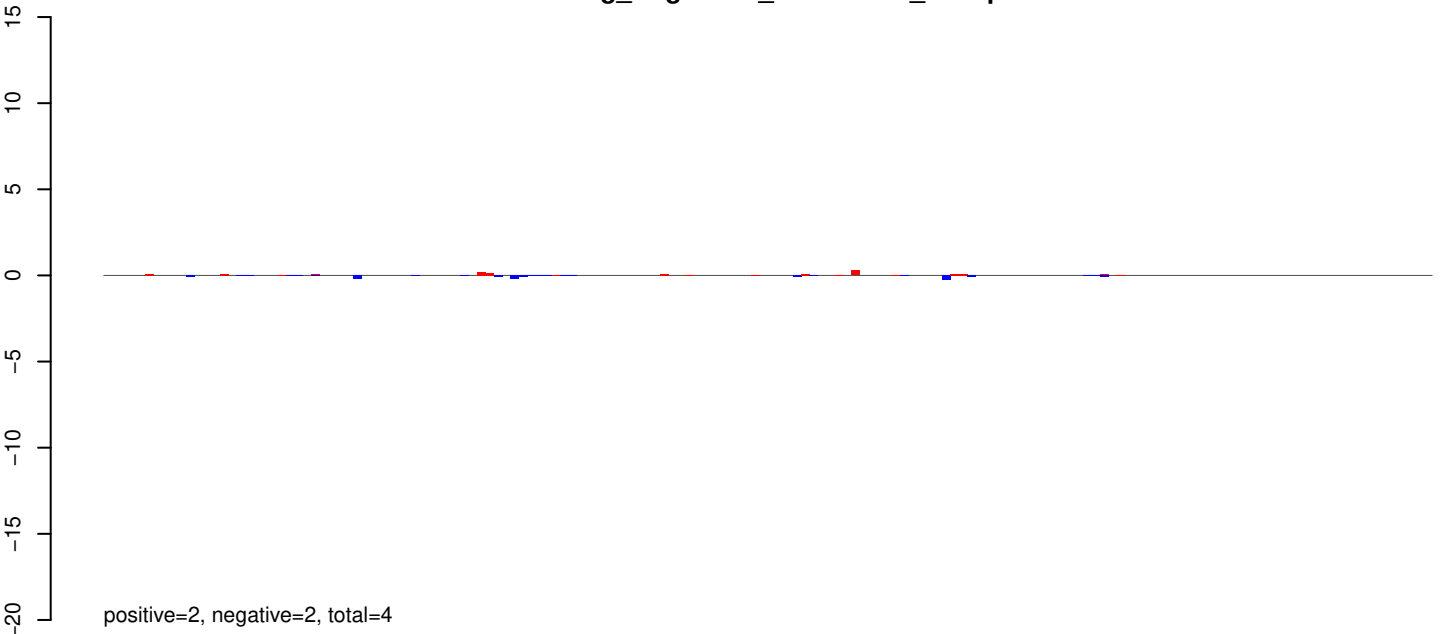
0 1000 2000 3000 4000



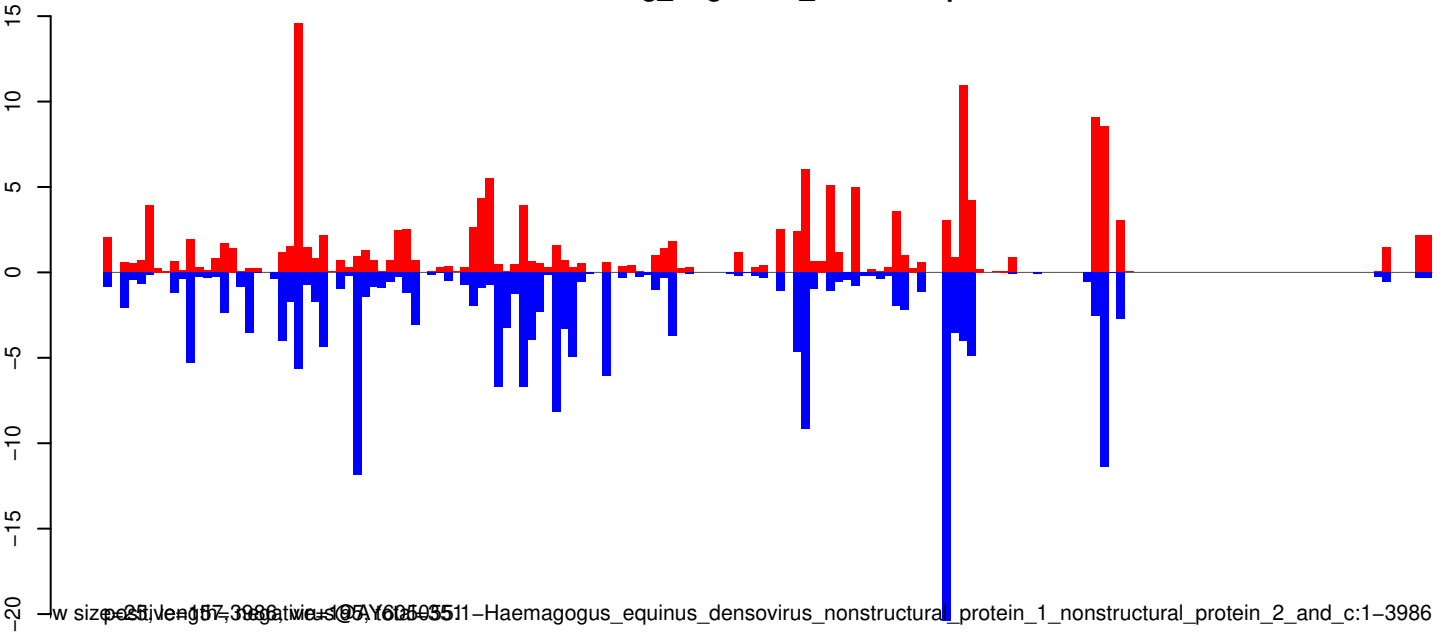
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



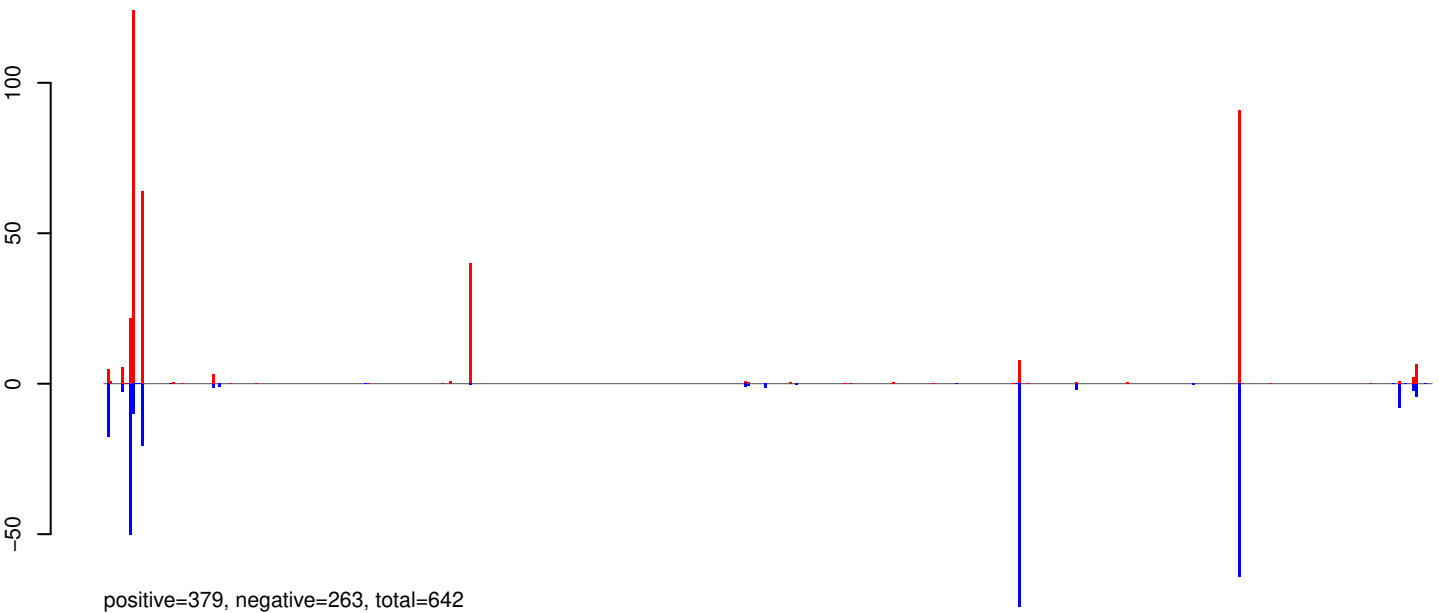
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



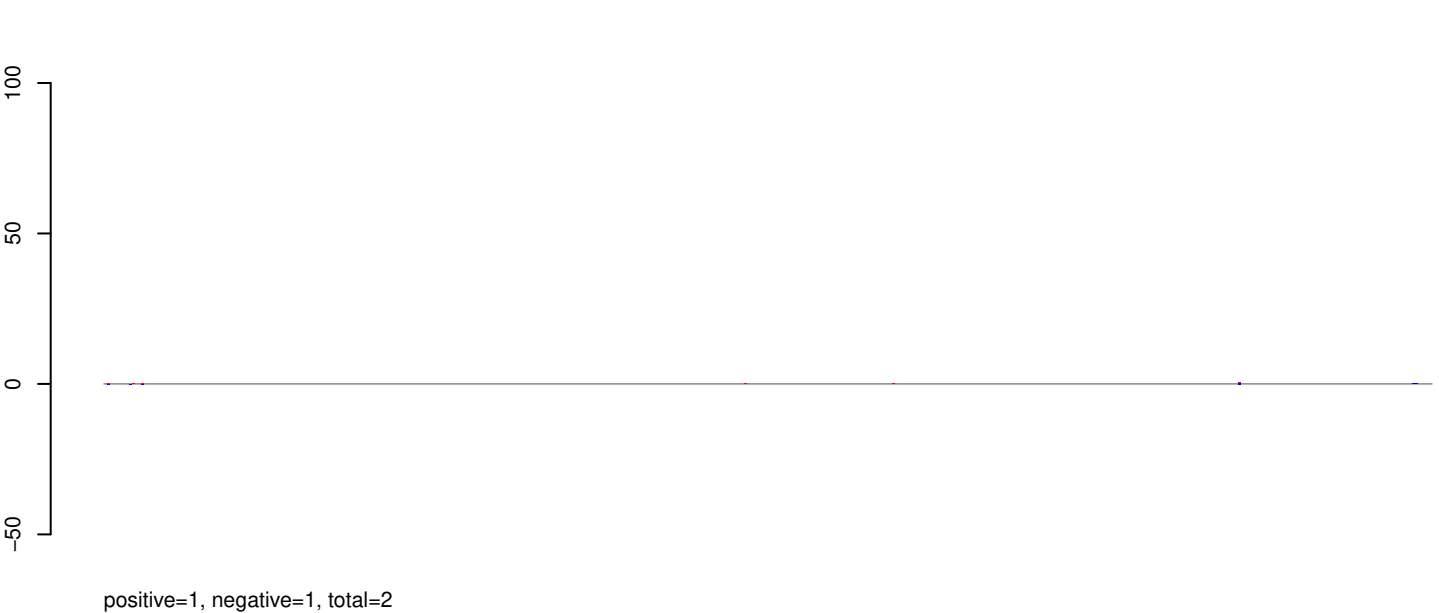
GenBank accession: AF069511 - Haemagogus equinus densovirus nonstructural protein 1 nonstructural protein 2 and c:1-3986

0 1000 2000 3000 4000

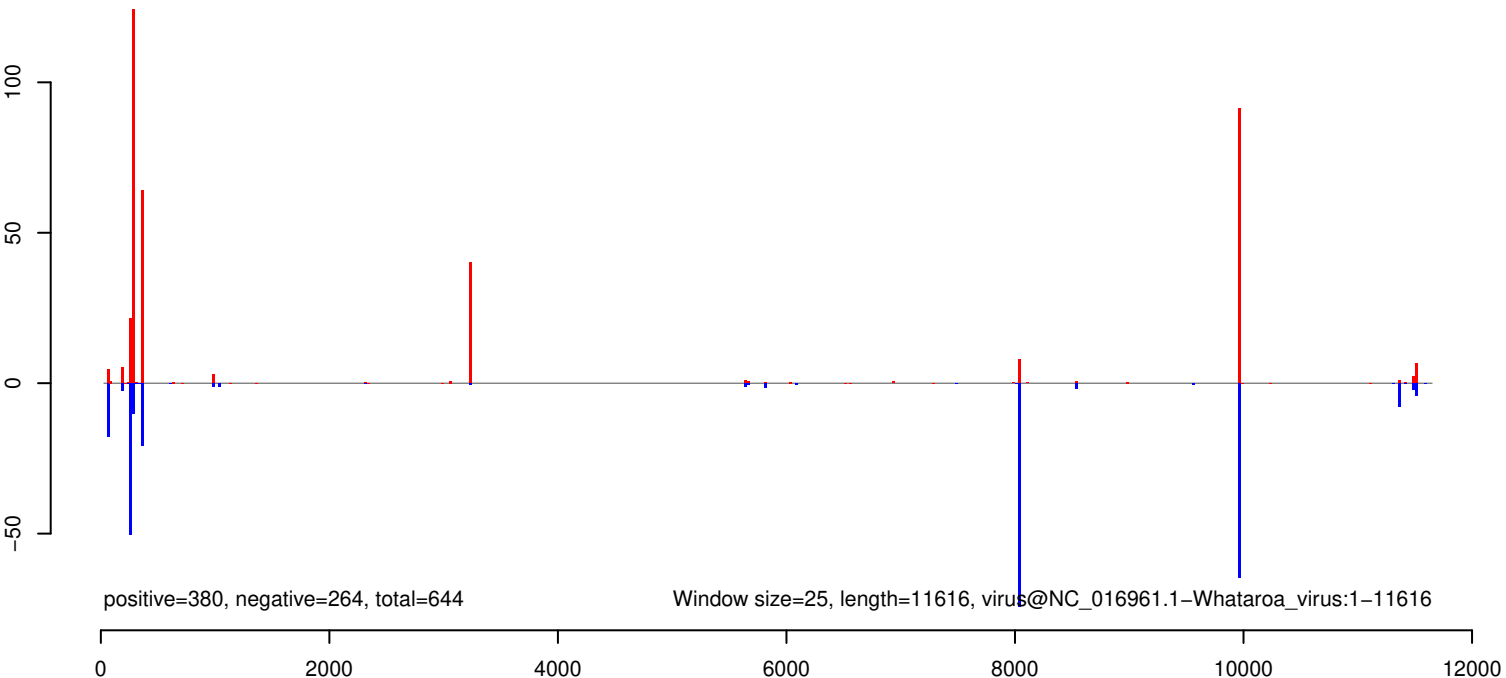
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



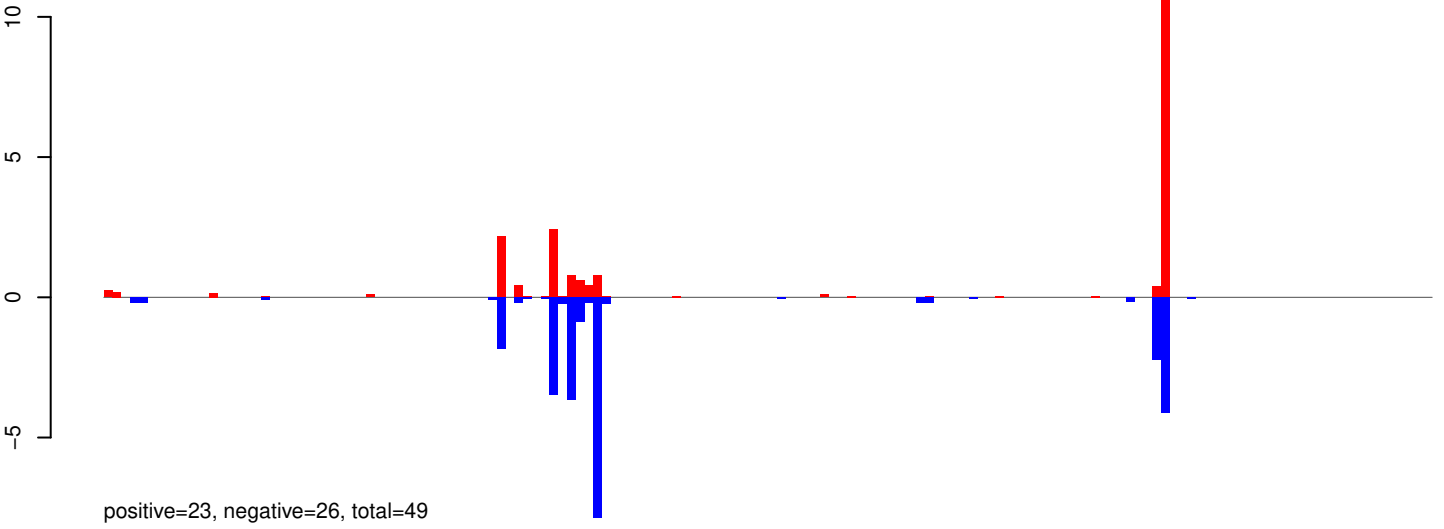
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



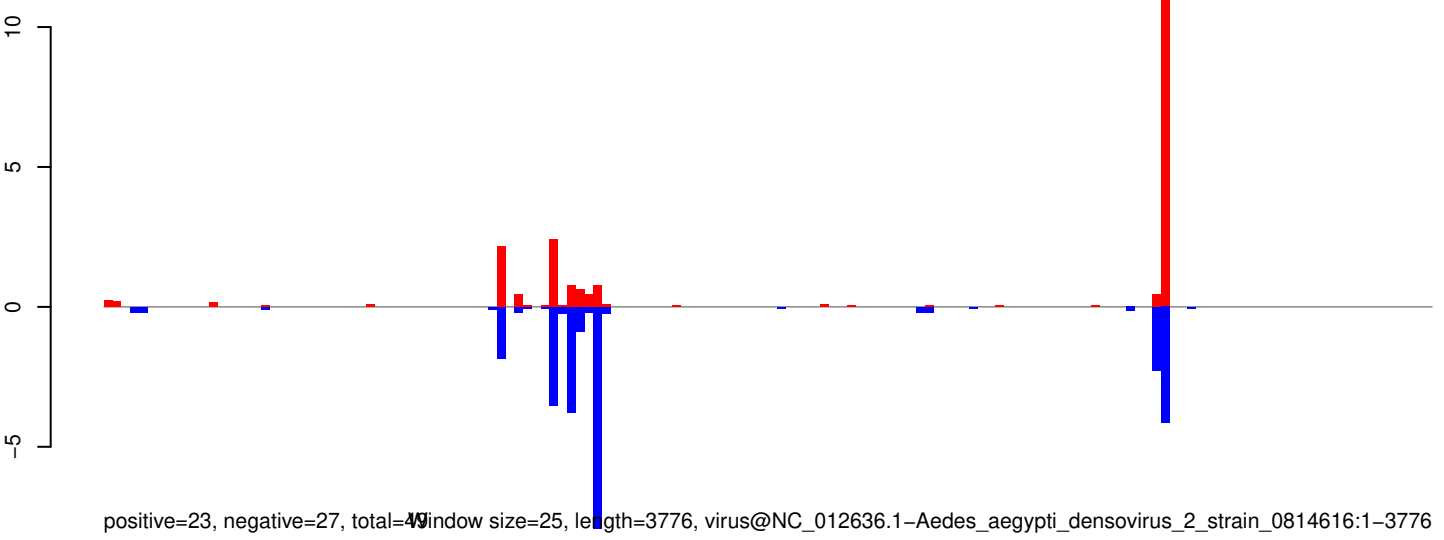
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



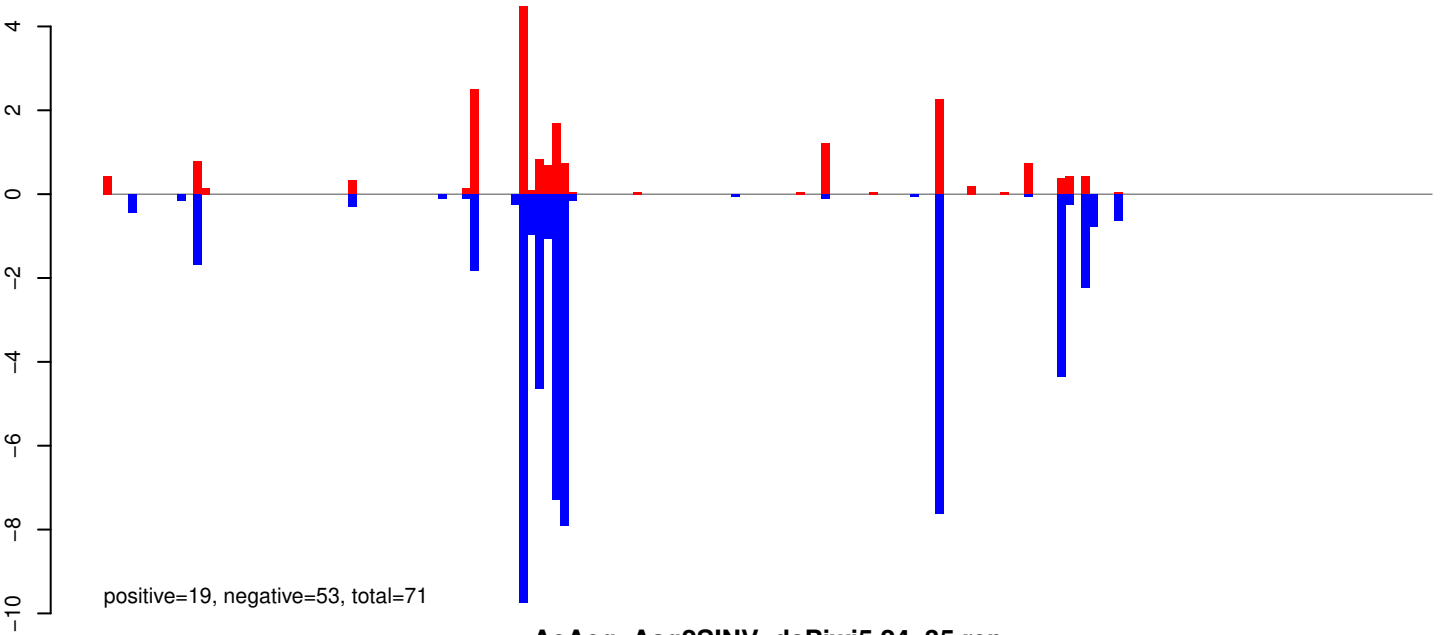
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



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

0 1000 2000 3000

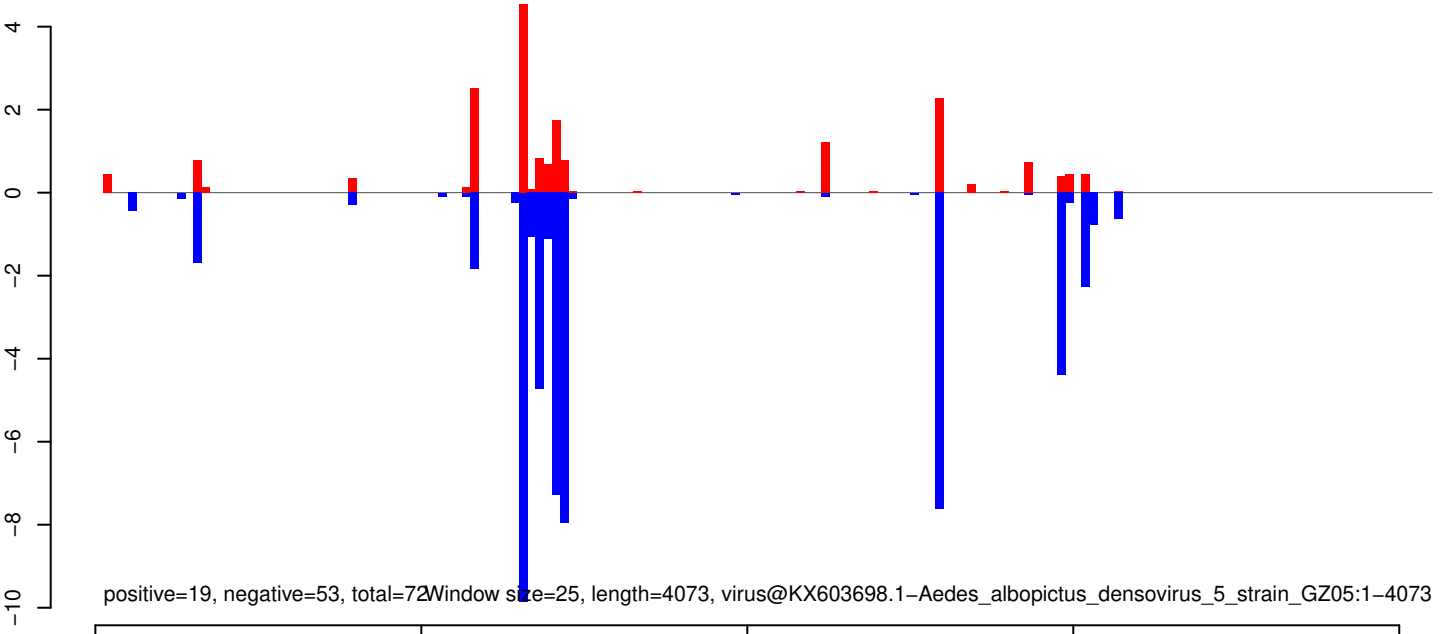
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

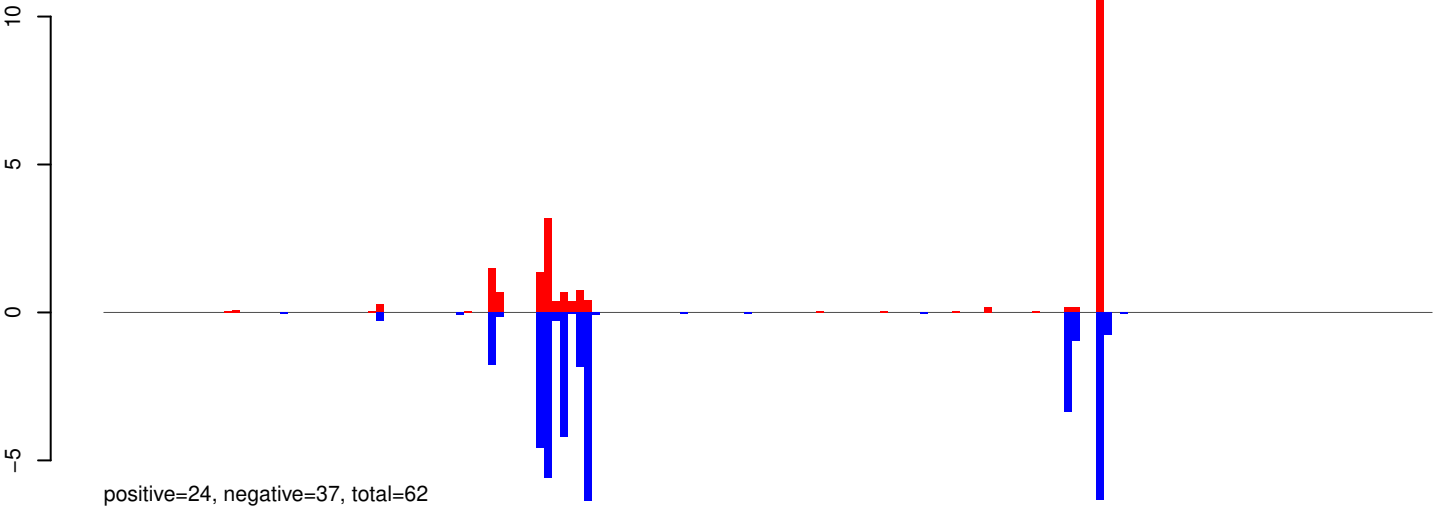


**AeAeg\_Aag2SINV\_dsPiwi5.rep**

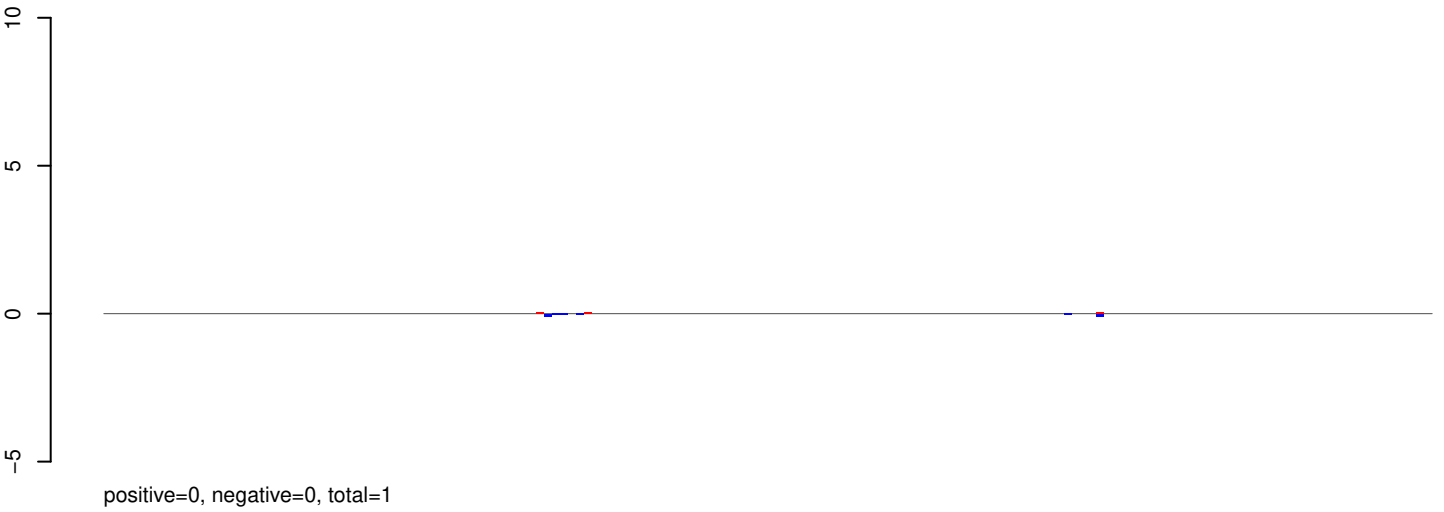


Window size=25, length=4073, virus@KX603698.1-Aedes albopictus densovirus\_5\_strain\_GZ05:1-4073

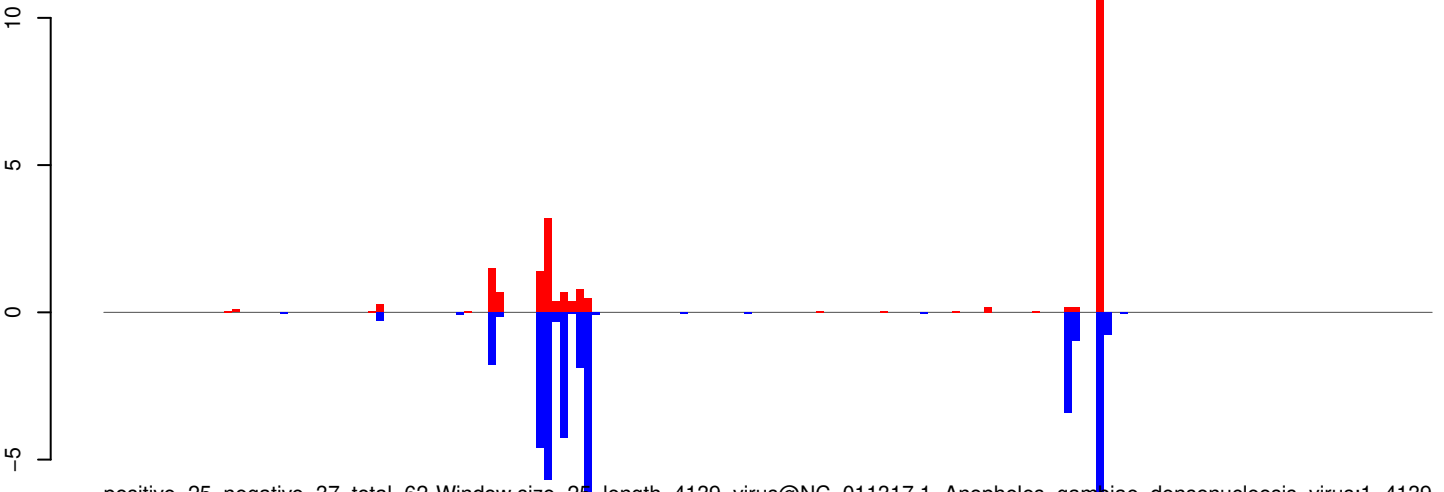
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

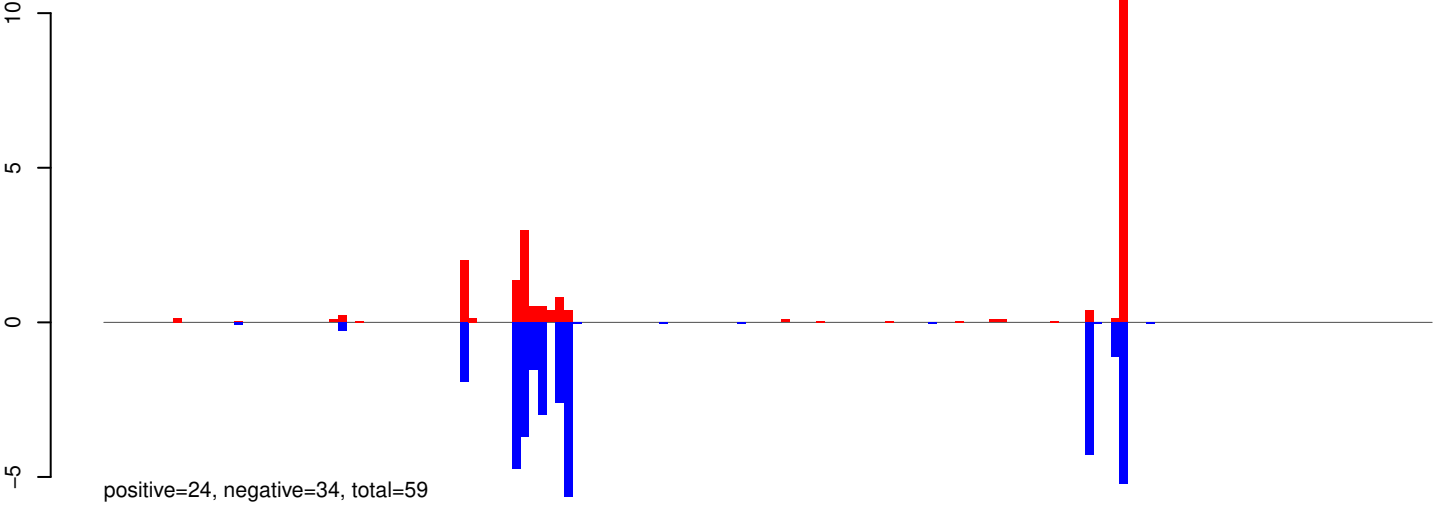


**AeAeg\_Aag2SINV\_dsPiwi5.rep**



0 1000 2000 3000 4000

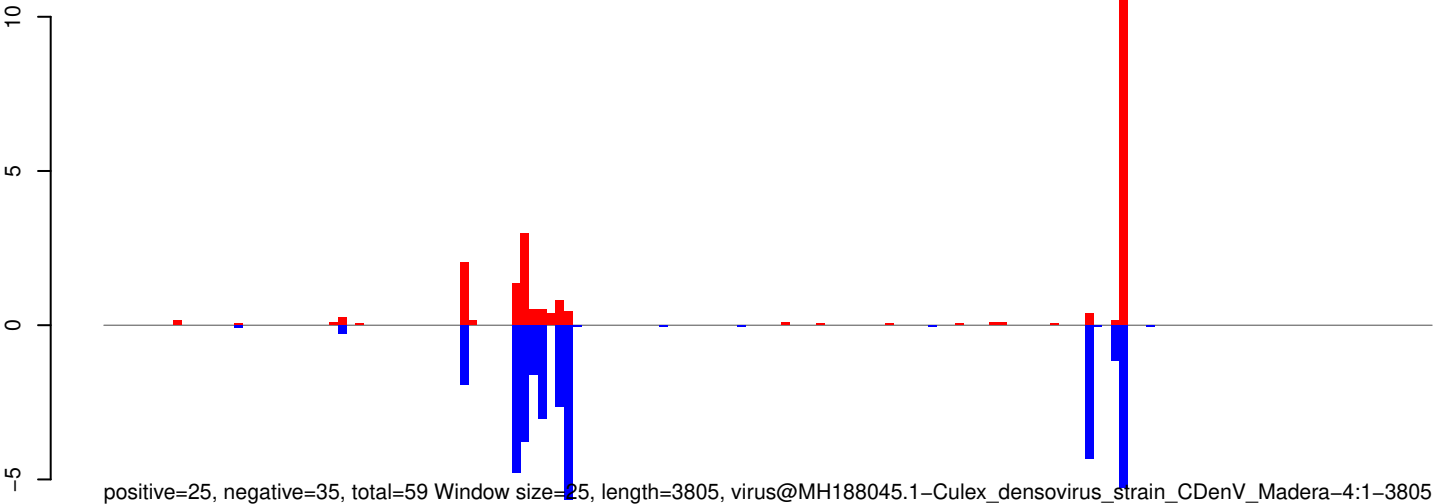
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

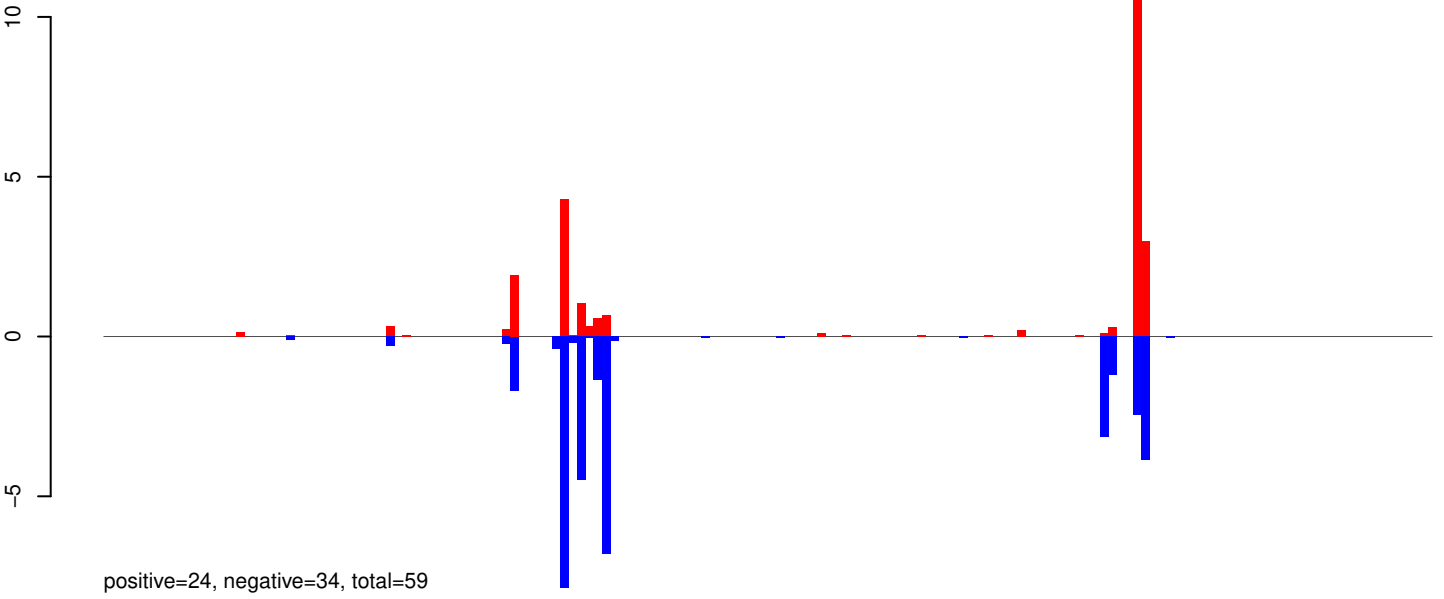


**AeAeg\_Aag2SINV\_dsPiwi5.rep**



0 1000 2000 3000 4000

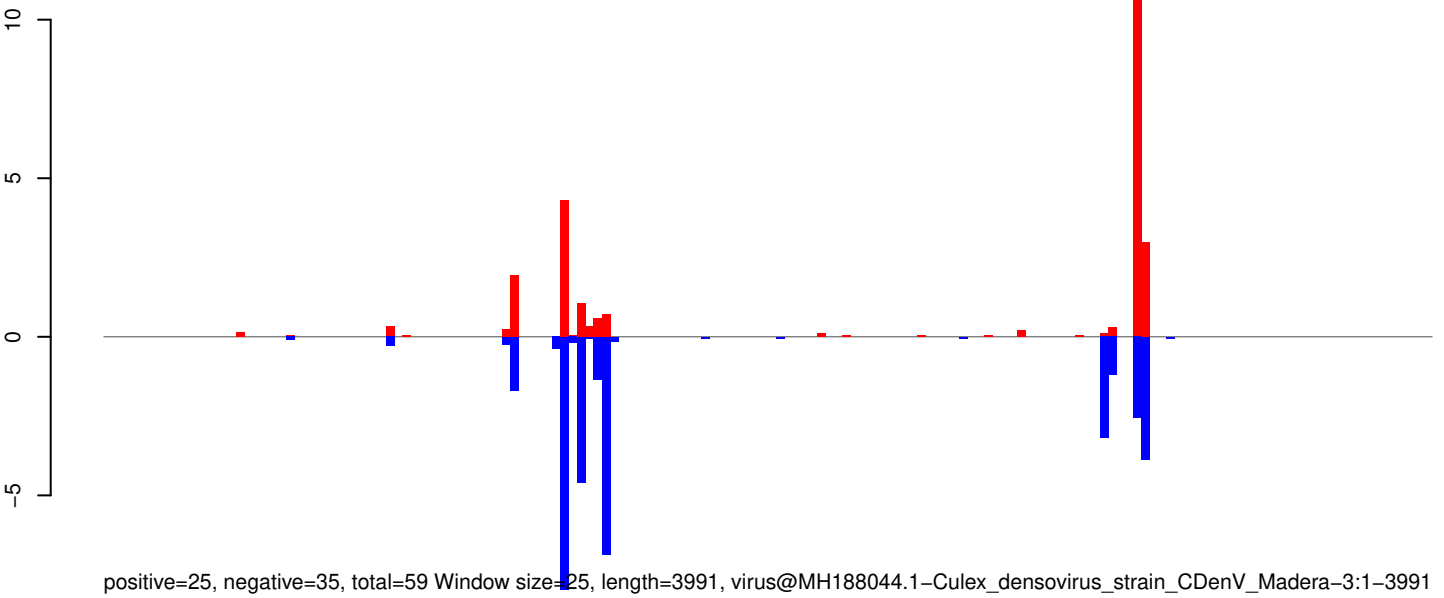
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



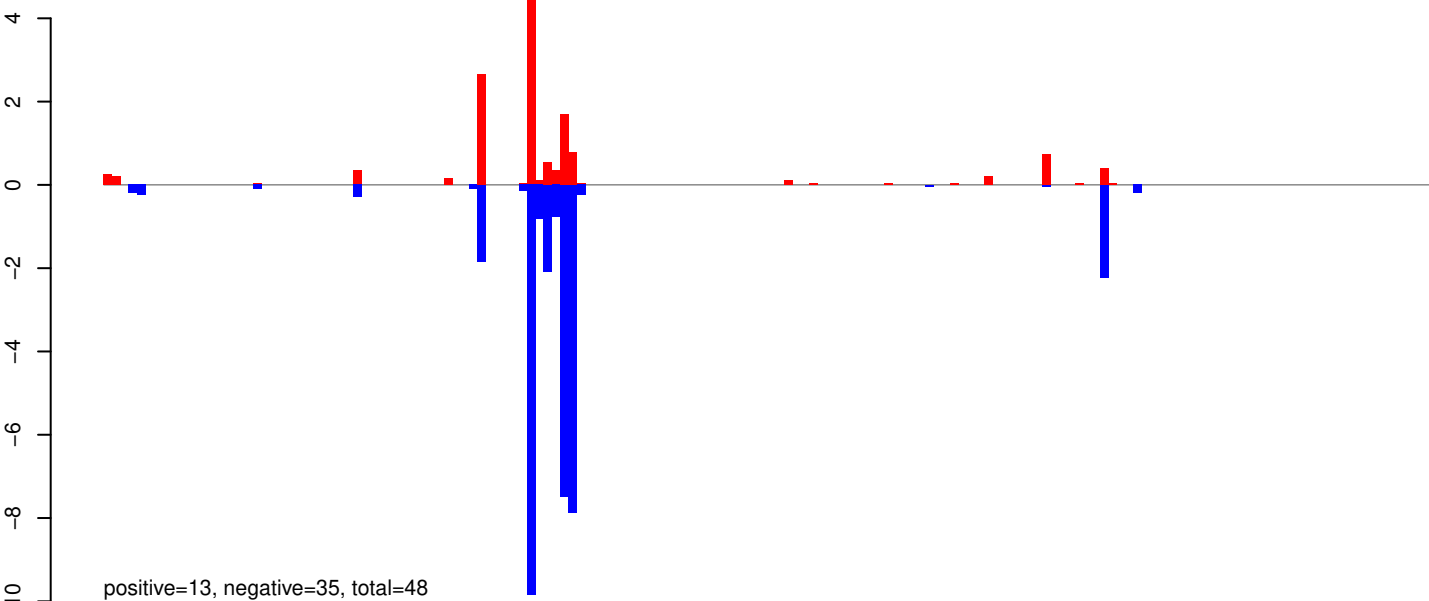
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



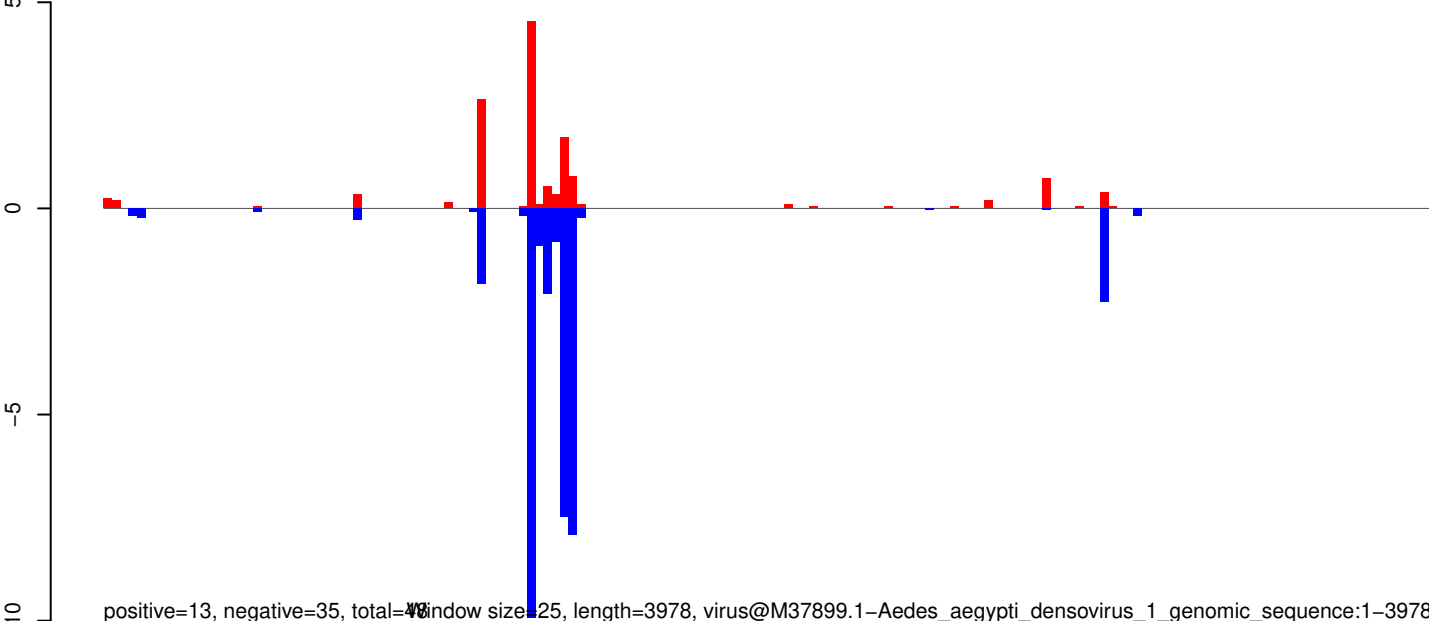
AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep



AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep



AeAeg\_Aag2SINV\_dsPiwi5.rep

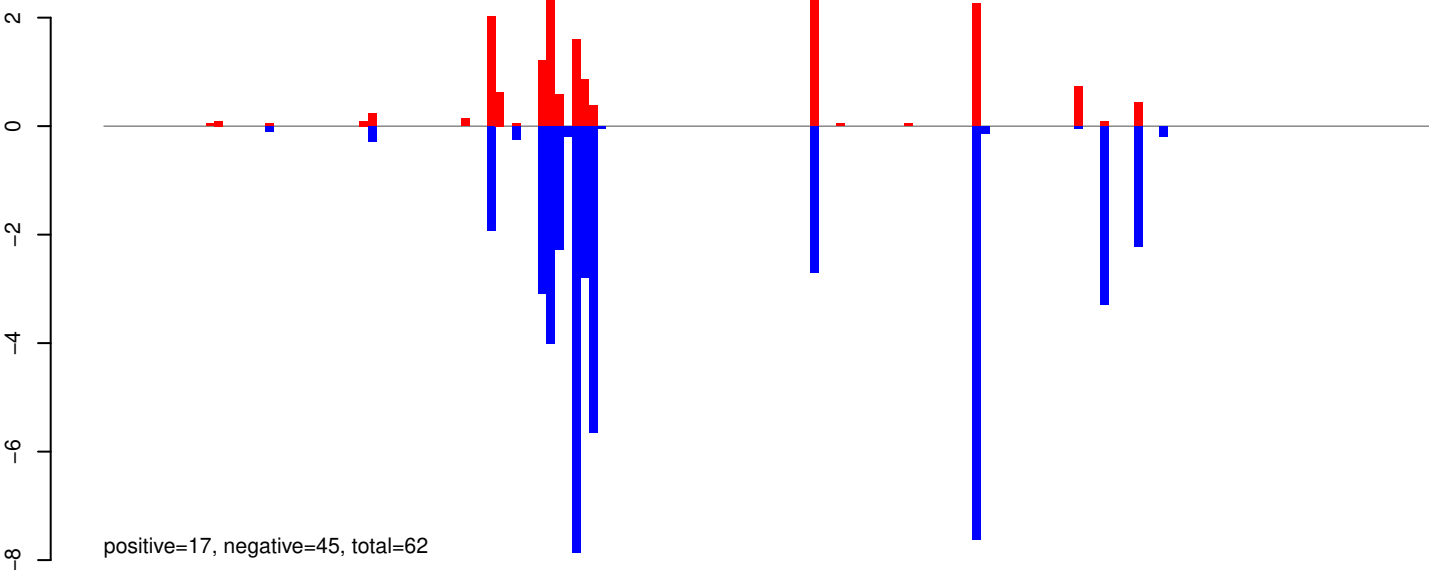


Window size=25, length=3978, virus@M37899.1-Aedes\_aegypti\_densovirus\_1\_genomic\_sequence:1-3978

0 1000 2000 3000 4000



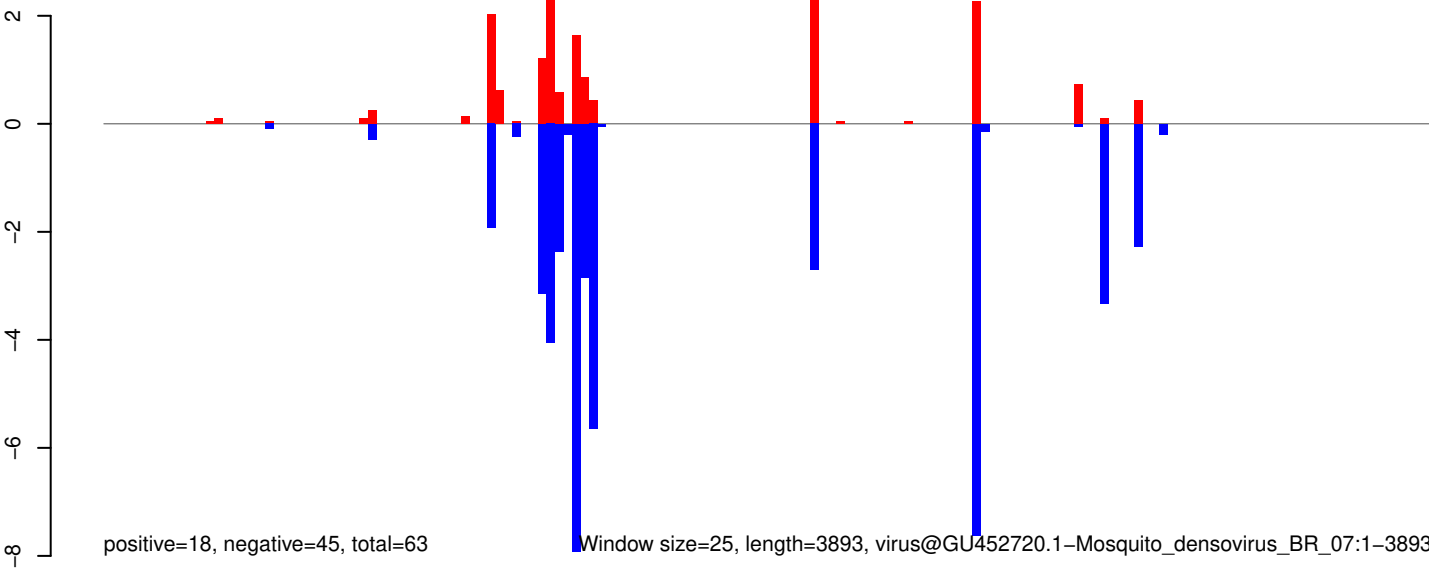
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

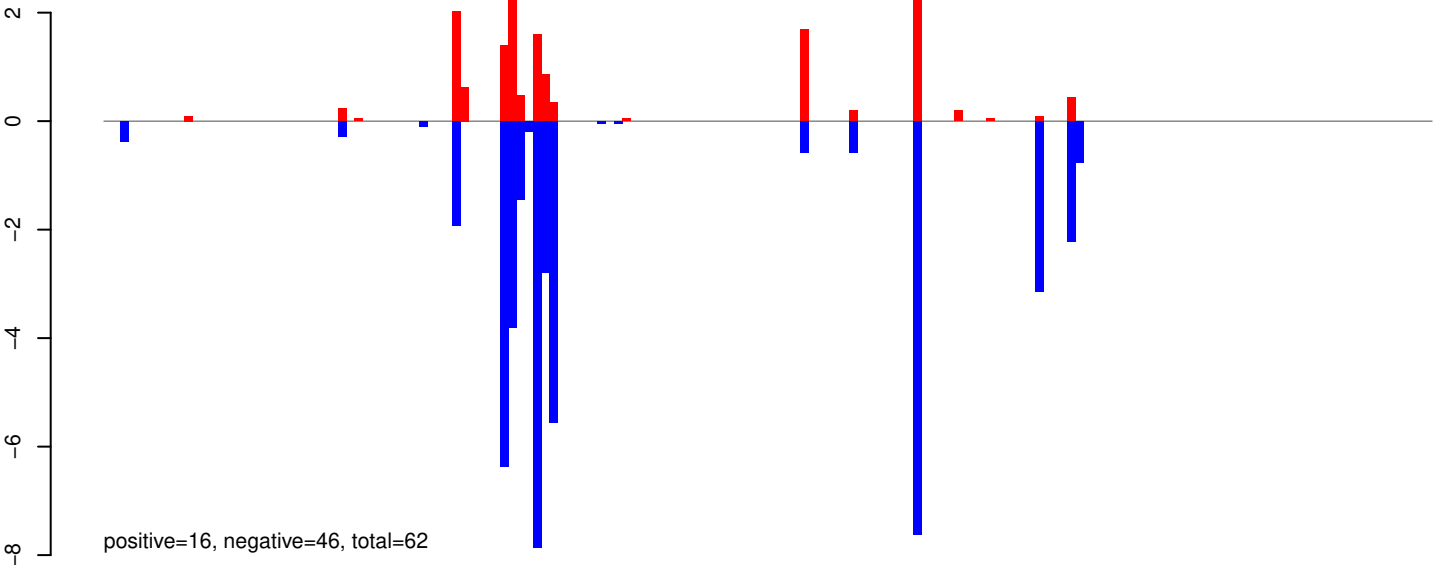


**AeAeg\_Aag2SINV\_dsPiwi5.rep**



0 1000 2000 3000 4000

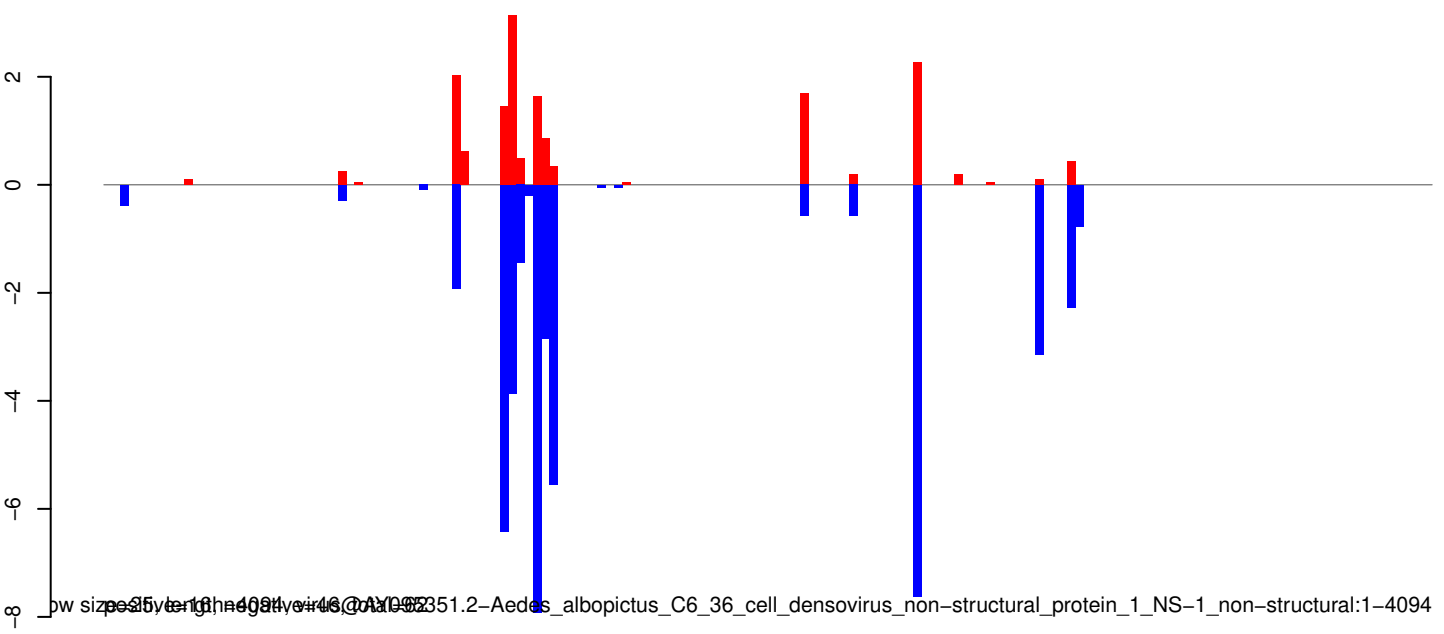
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



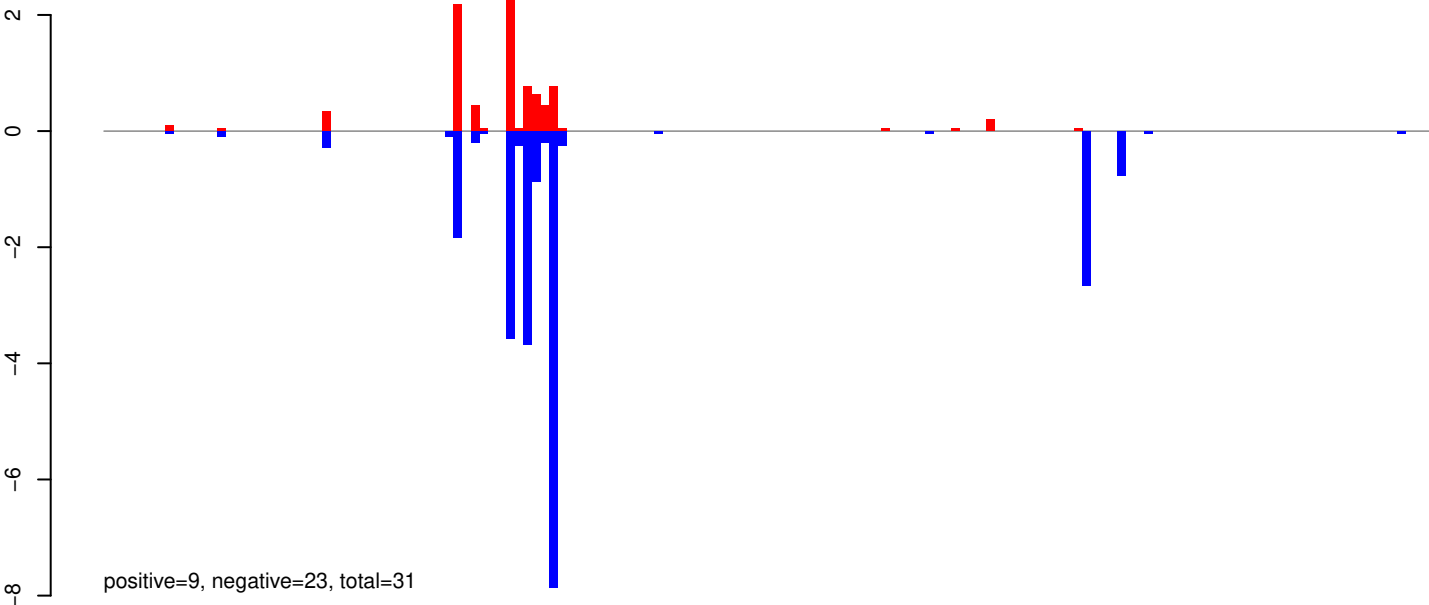
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



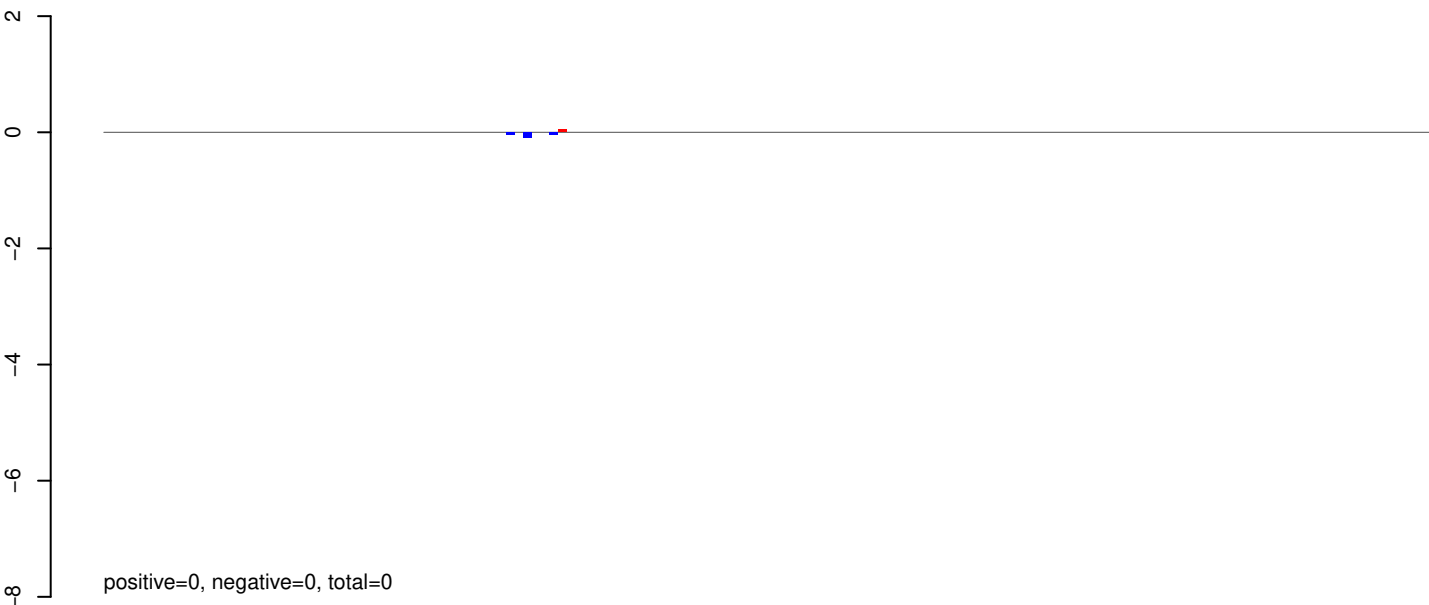
bow size=5, length=4094, version=46, @A1092351.2-Aedes albopictus\_C6\_36\_cell\_densovirus\_non-structural\_protein\_1\_NS-1\_non-structural:1-4094



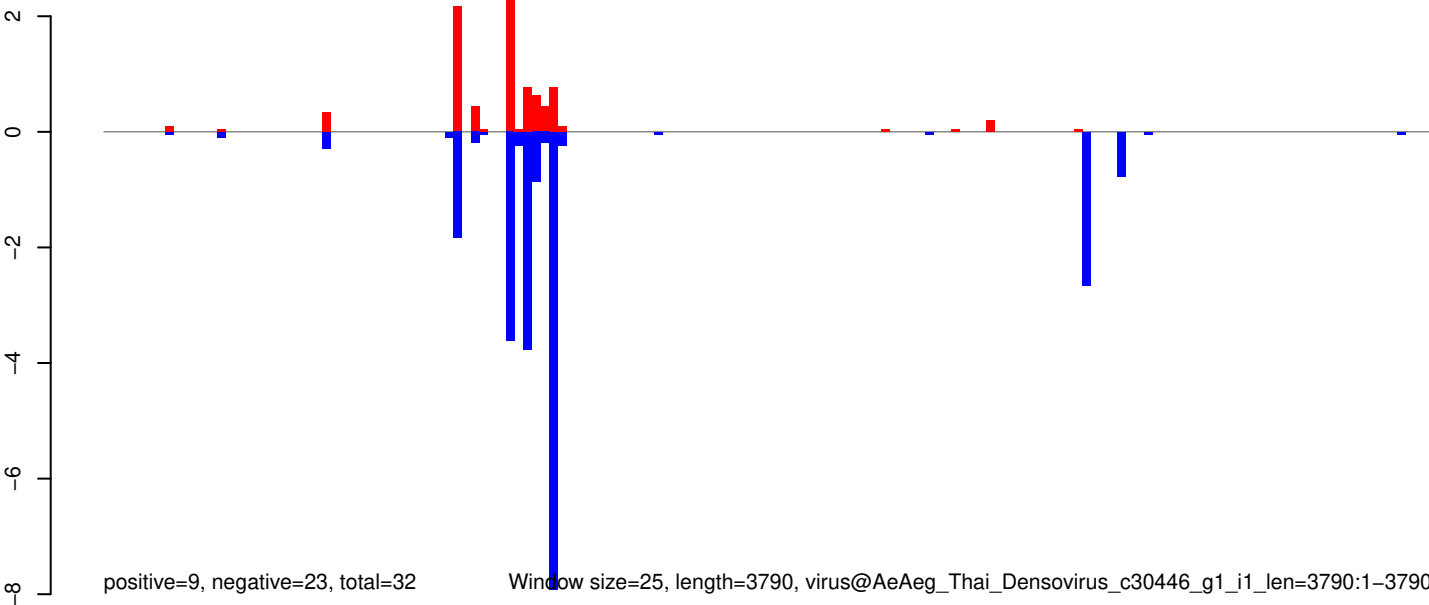
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



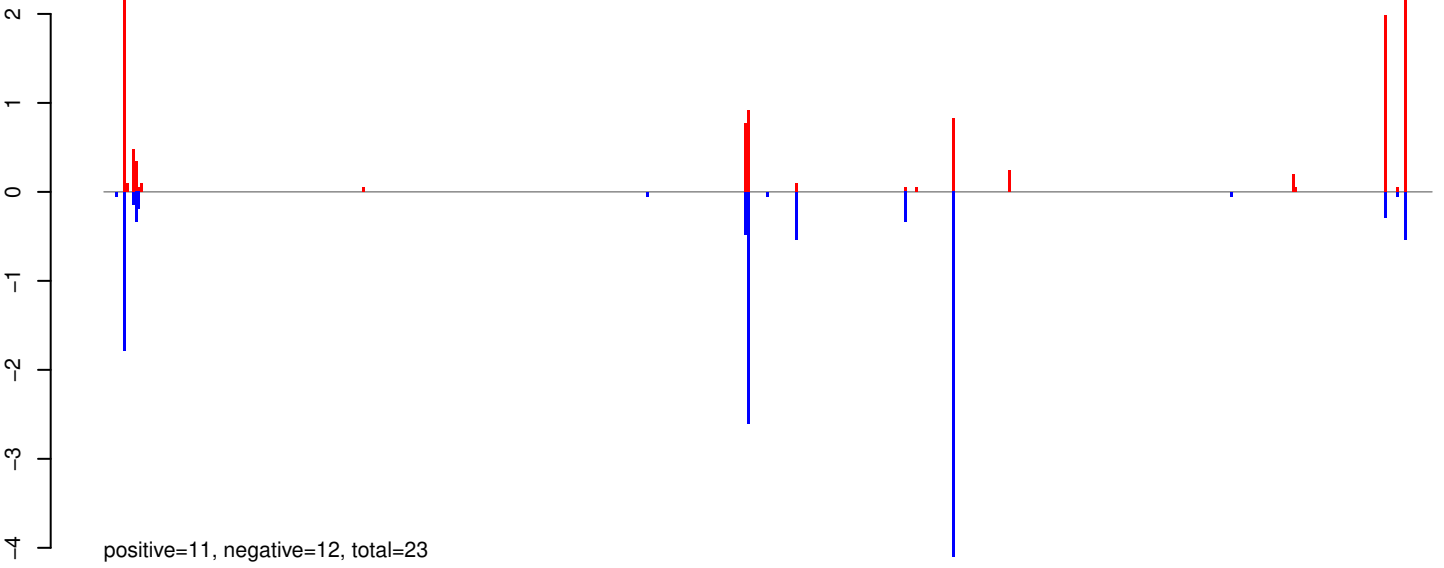
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



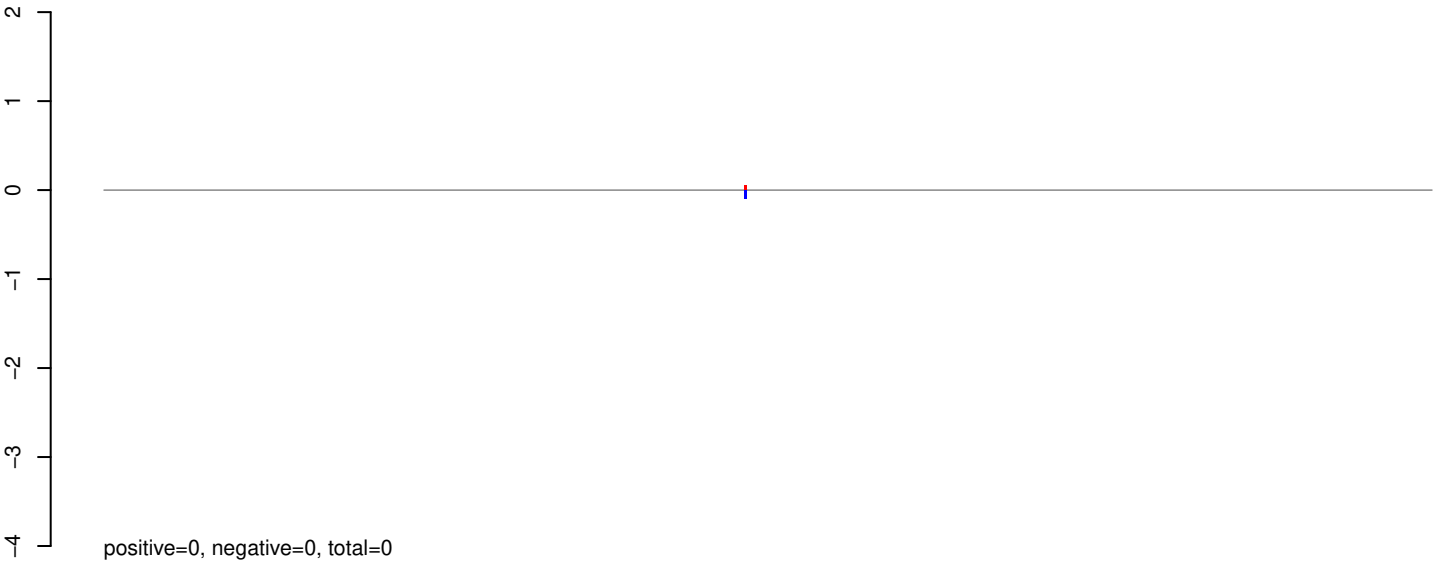
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



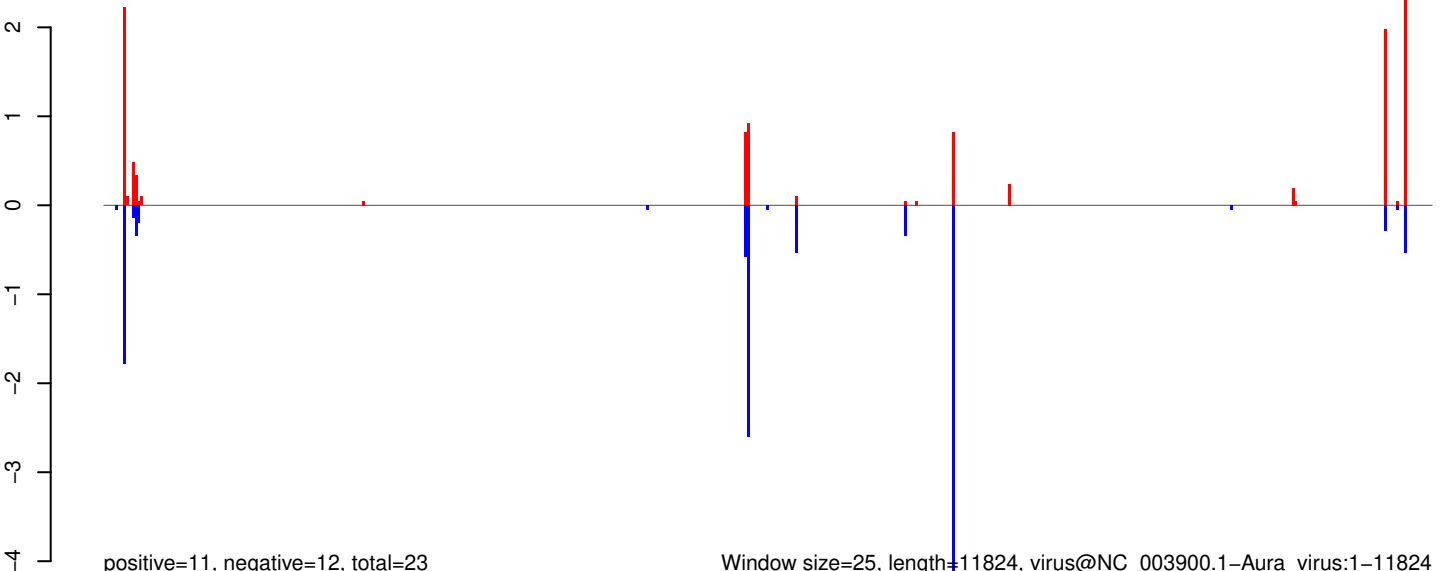
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

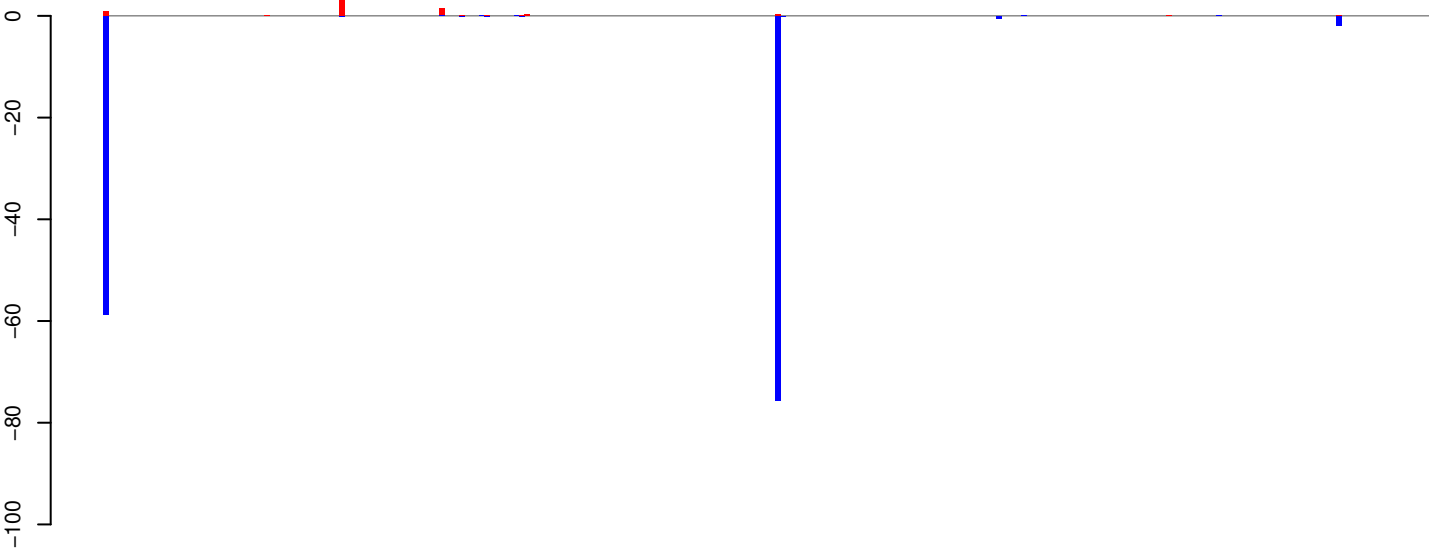


**AeAeg\_Aag2SINV\_dsPiwi5.rep**



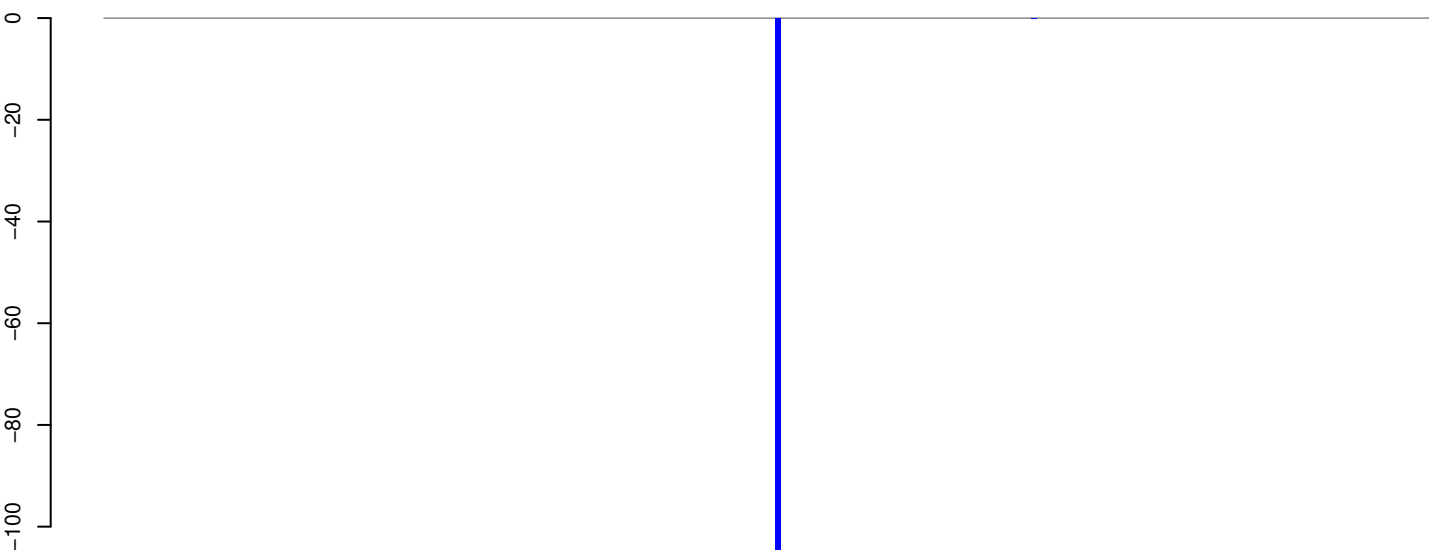
Window size=25, length=11824, virus@NC\_003900.1-Aura\_virus:1-11824

**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



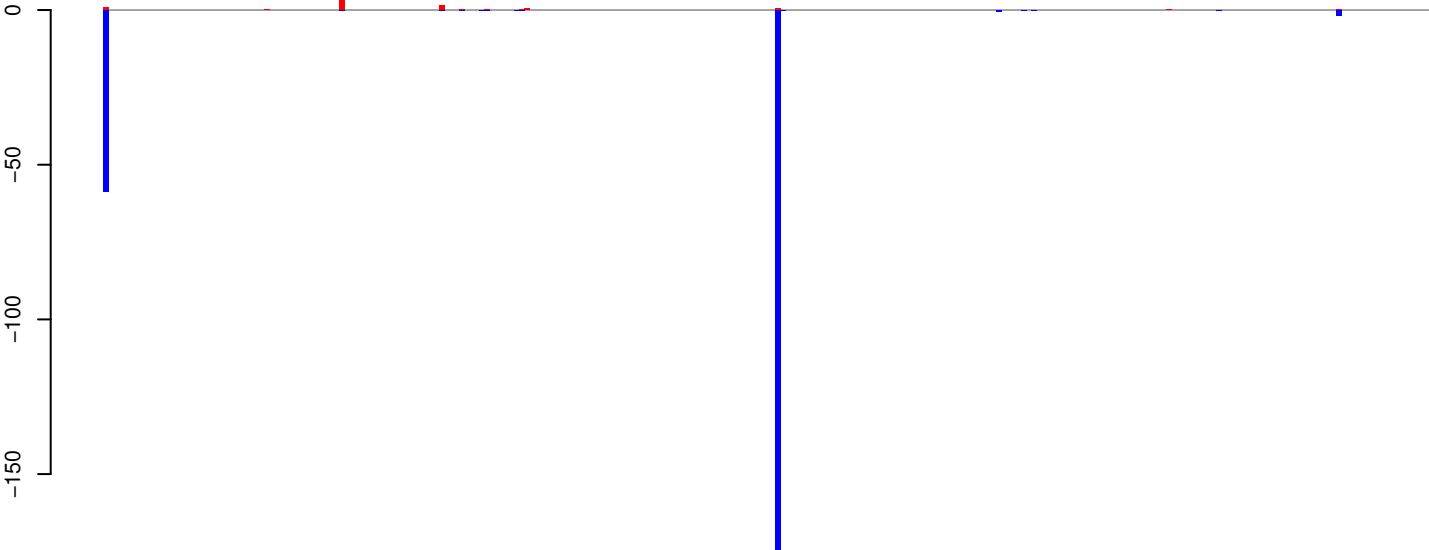
positive=7, negative=138, total=144

**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



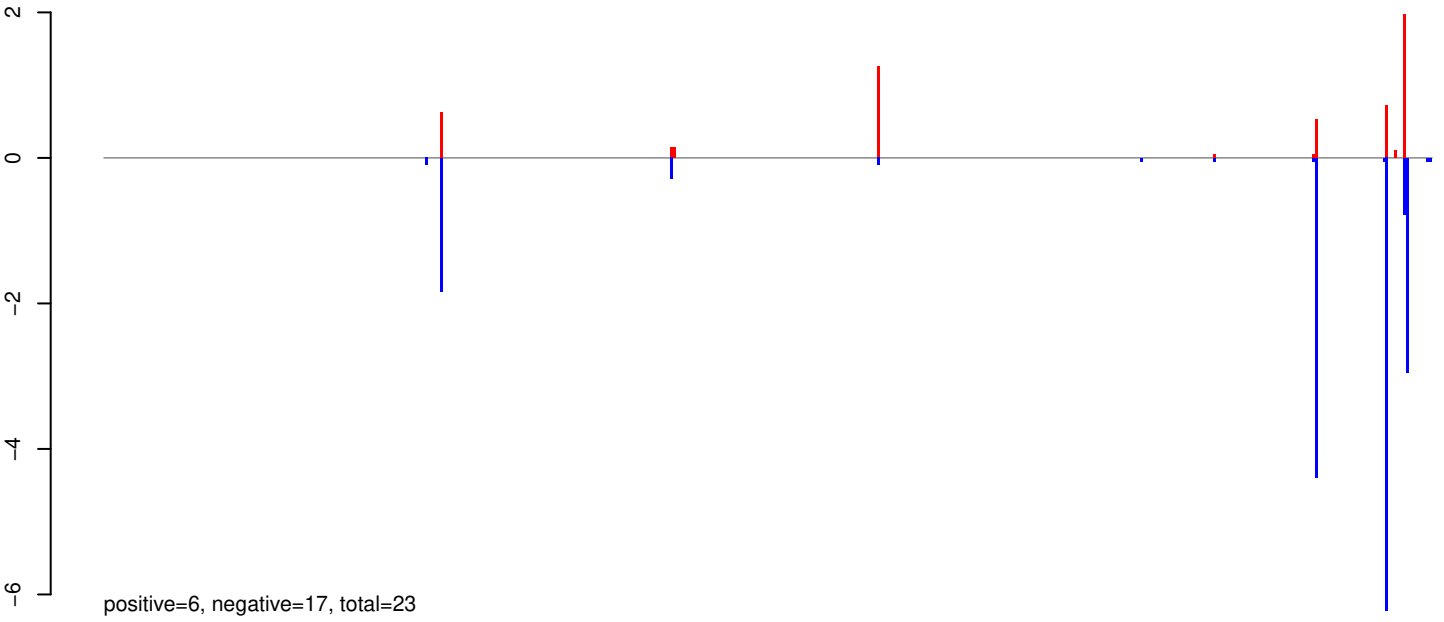
positive=0, negative=114, total=114

**AeAeg\_Aag2SINV\_dsPiwi5.rep**



positive=7, negative=252, total=259, window size=25, length=6603, virus@NC\_004177.1-Drosophila\_x\_virus\_segment\_A\_and\_segment\_B:1-6603

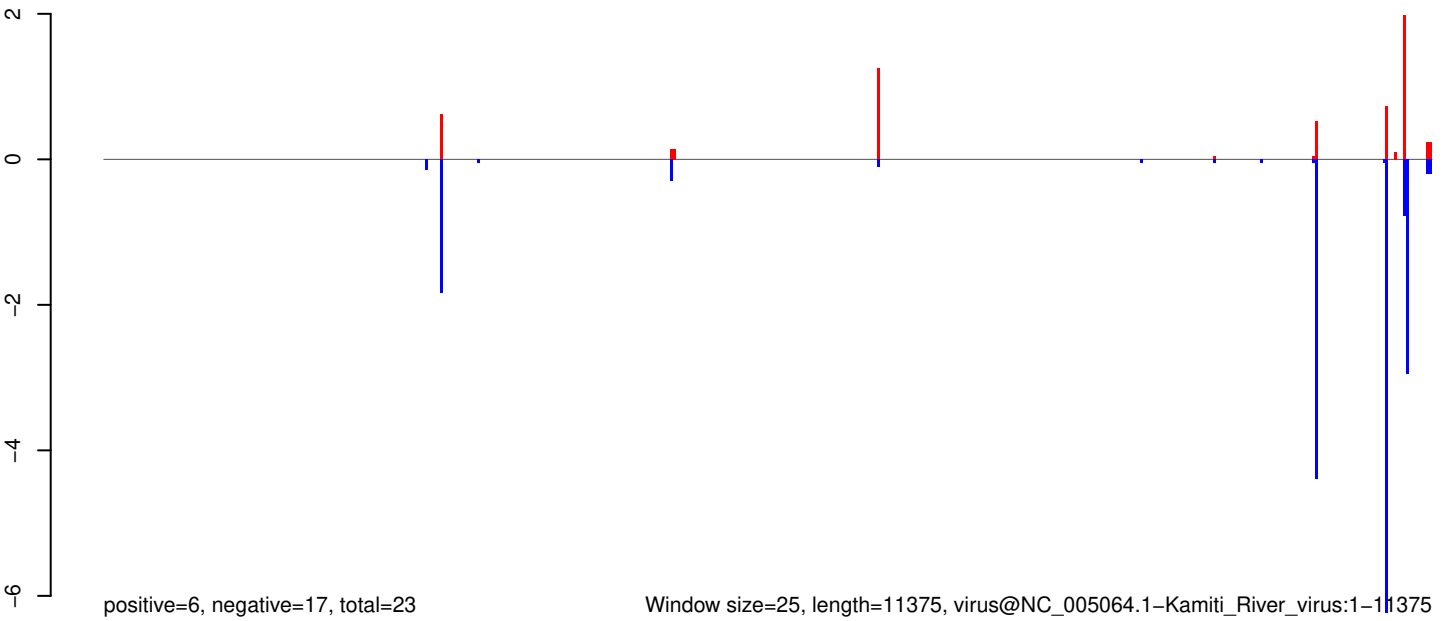
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



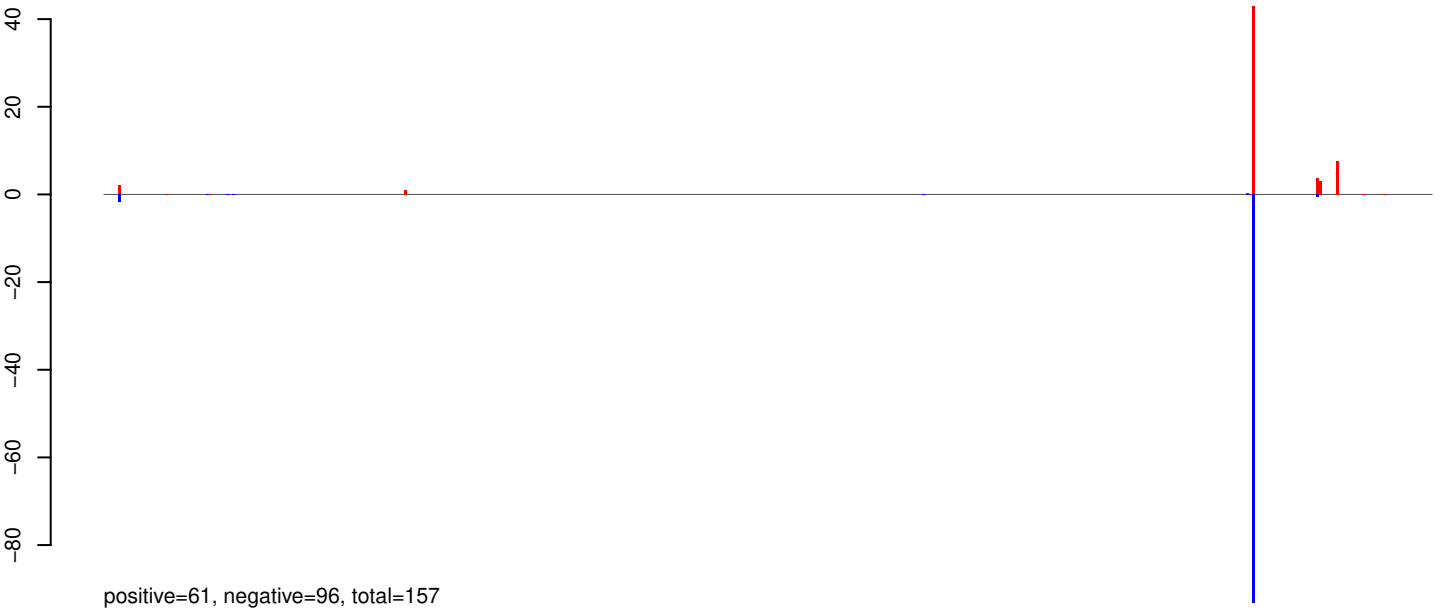
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



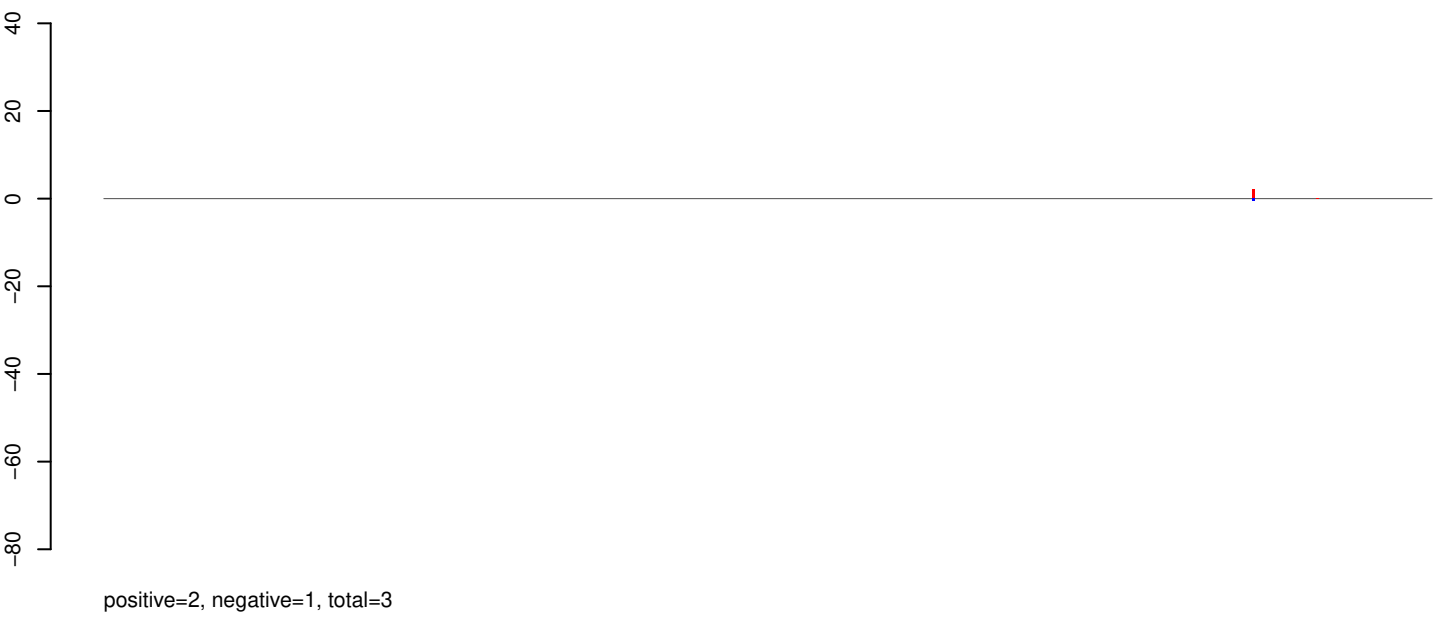
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**

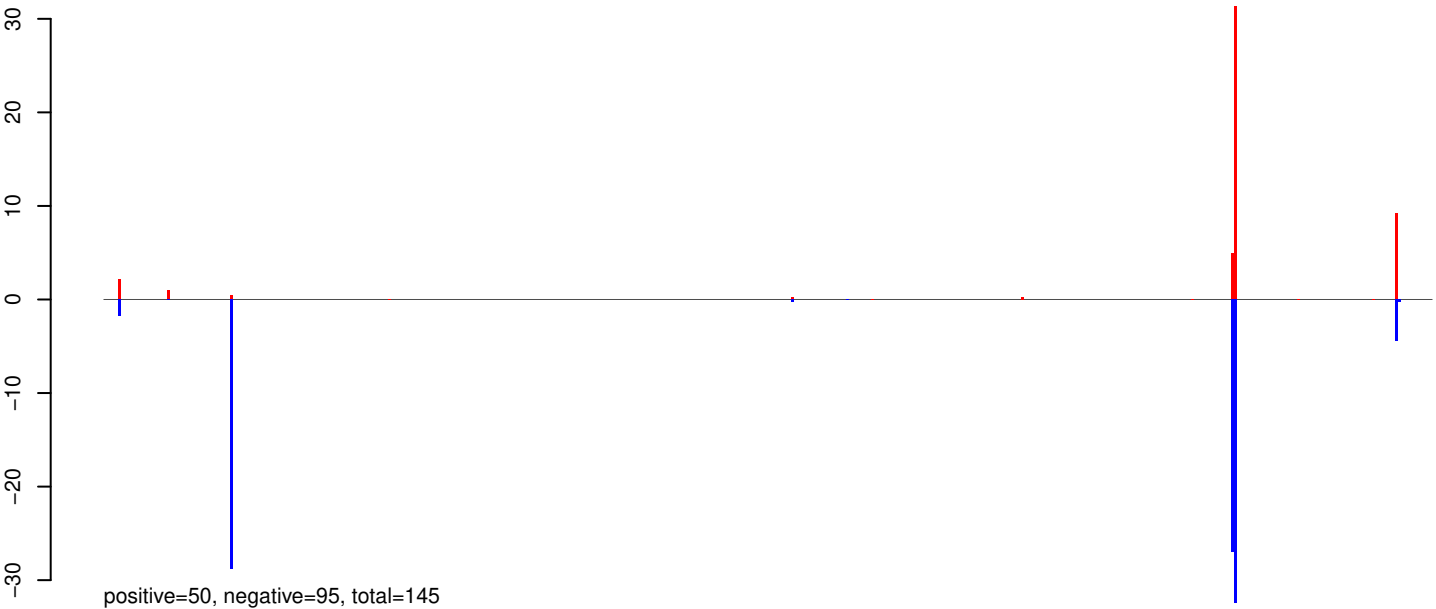


Window size=25, length=11381, virus@NC\_013528.1-Fort\_Morgan\_virus:1-11381

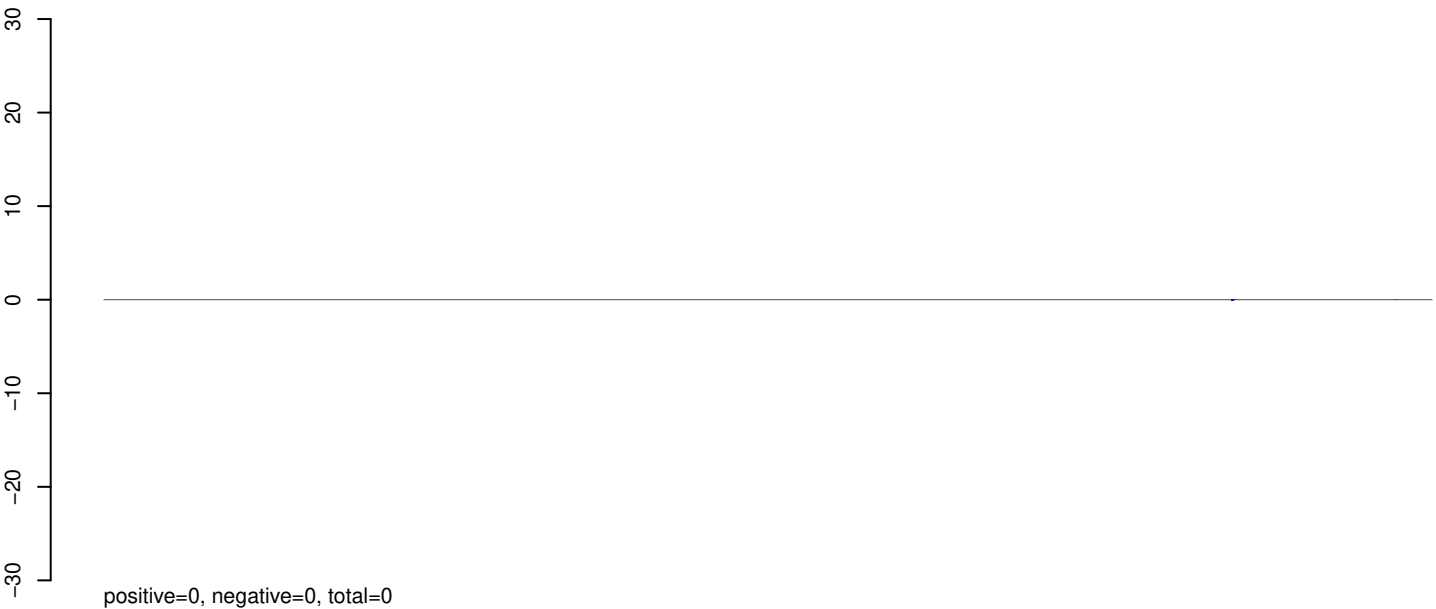
0 2000 4000 6000 8000 10000



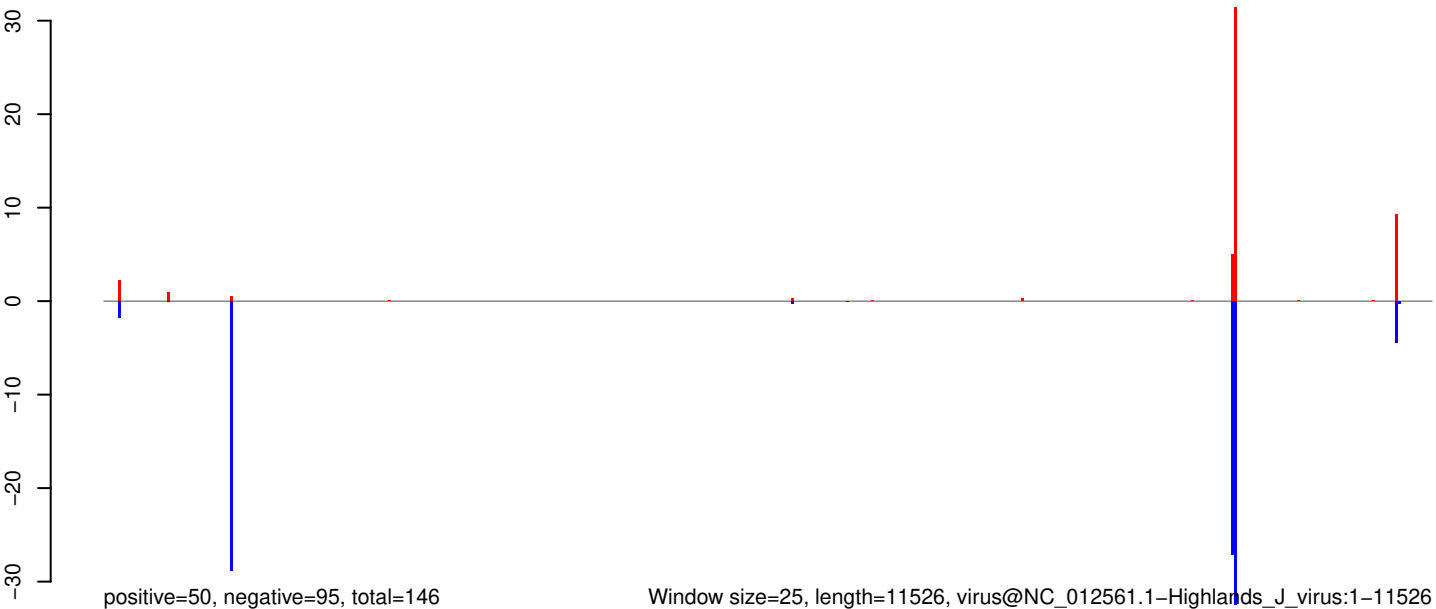
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



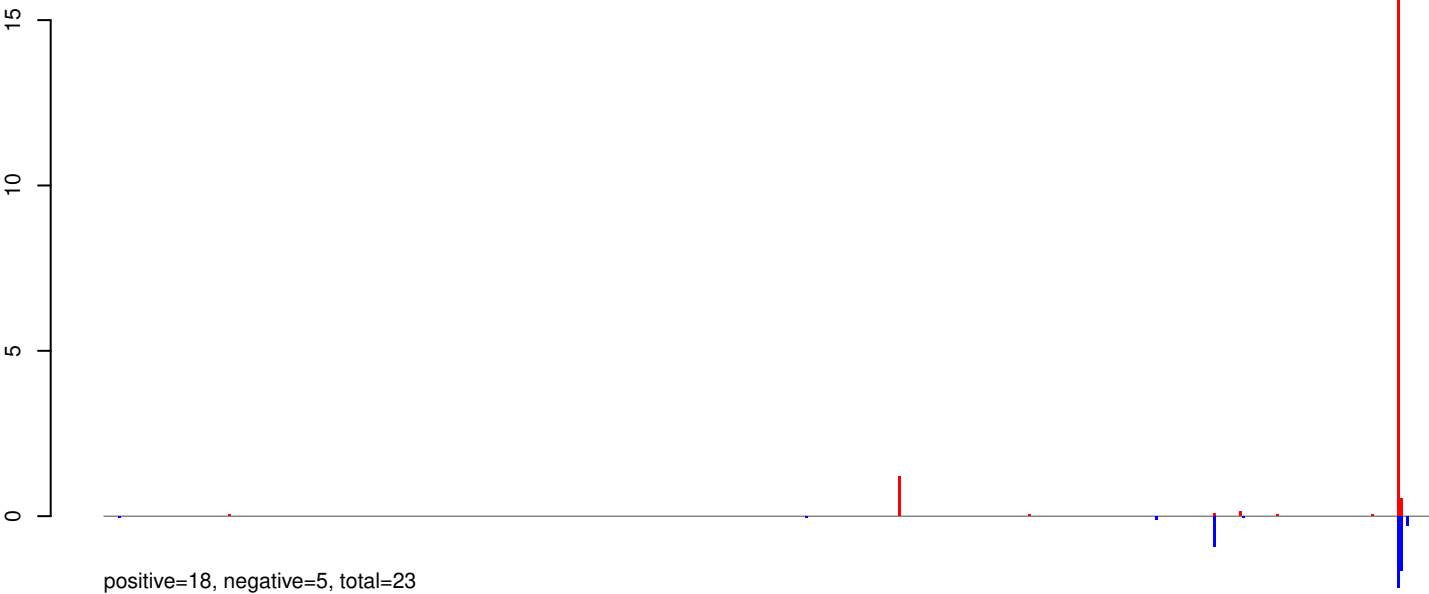
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



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

0 2000 4000 6000 8000 10000 12000

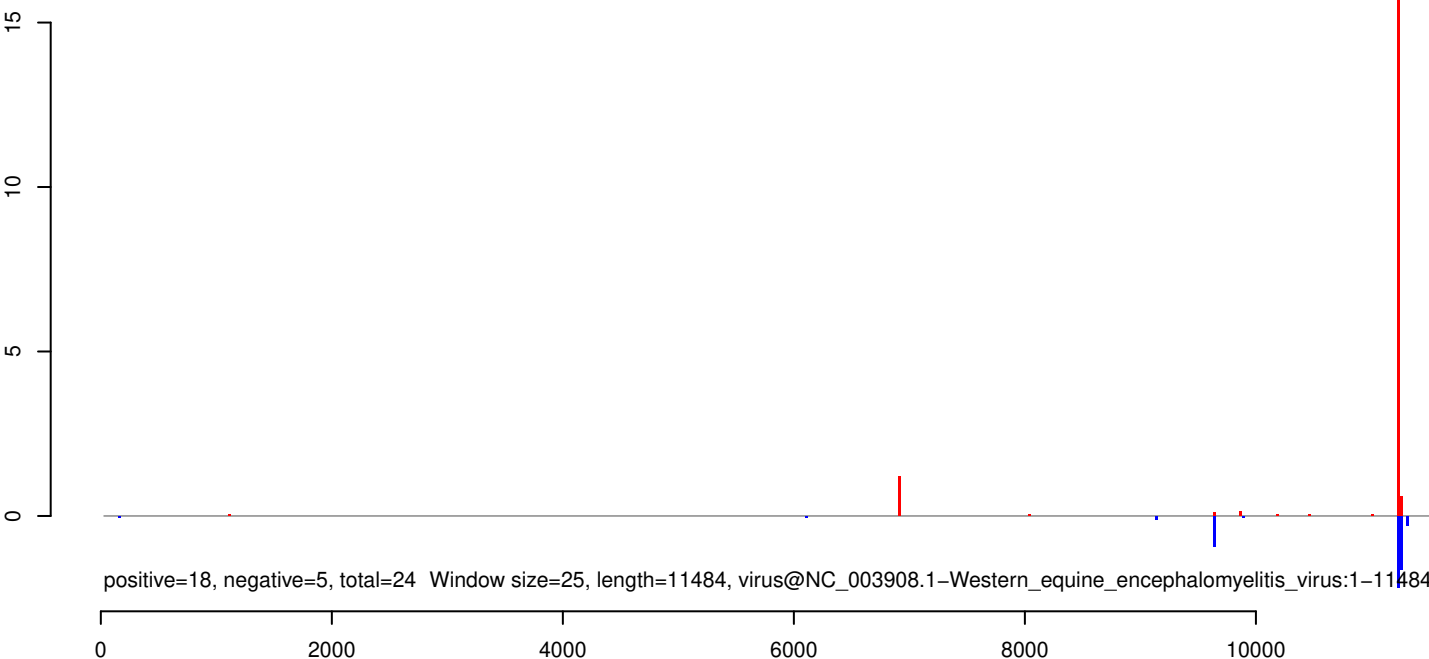
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



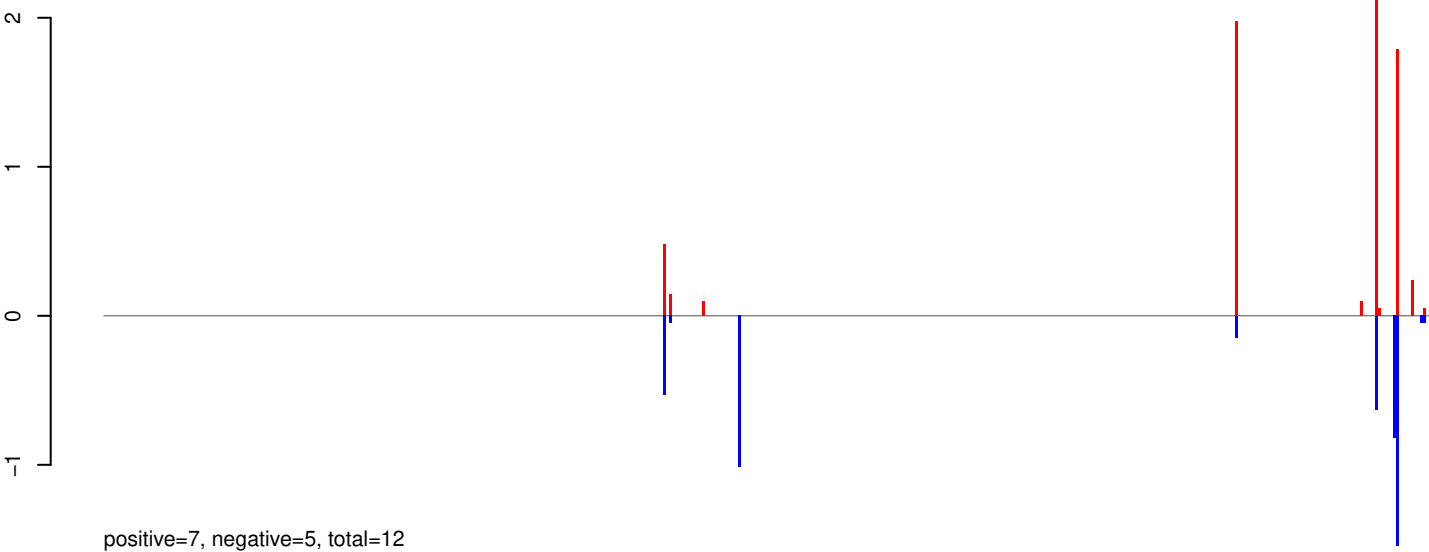
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



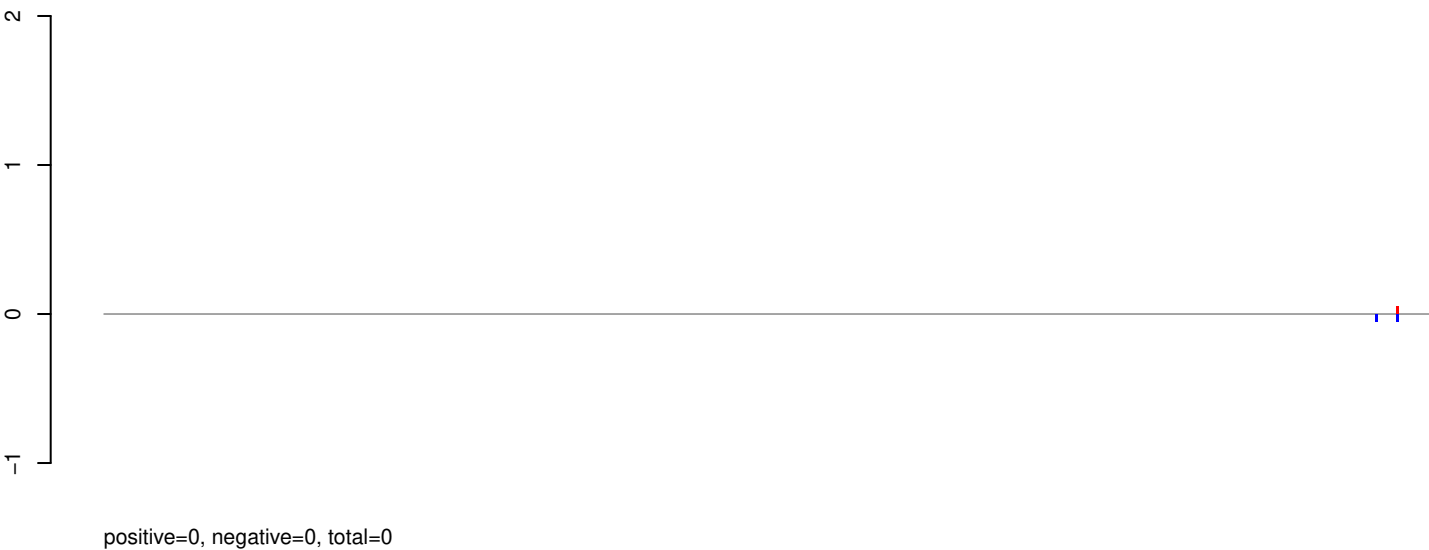
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



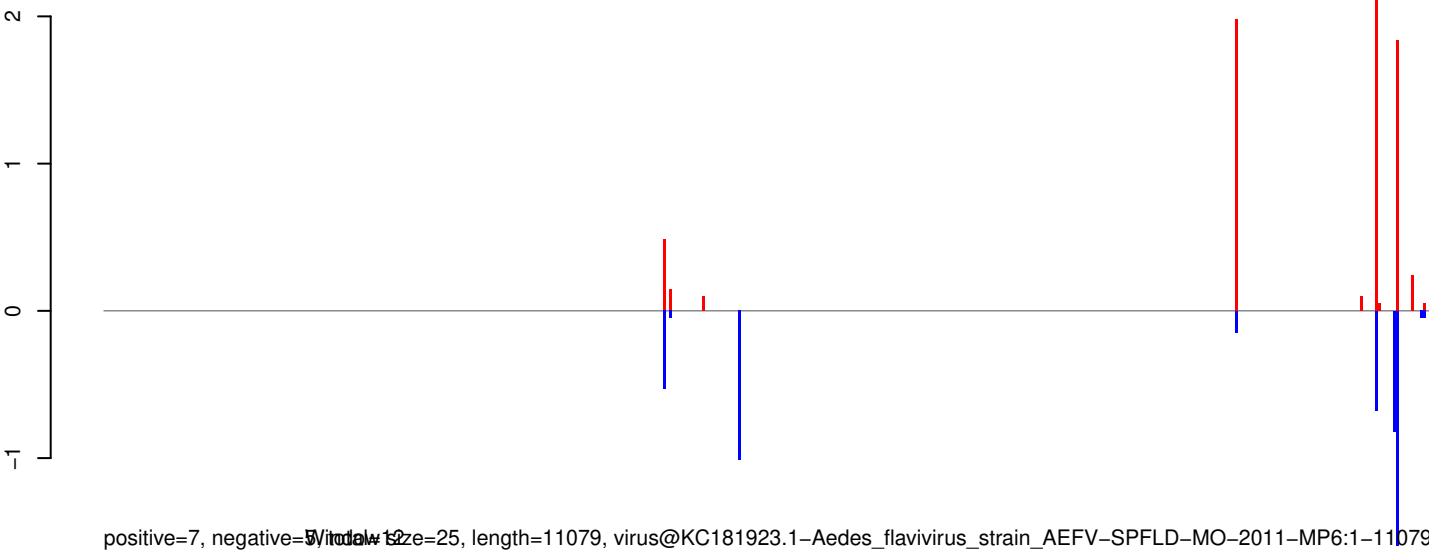
### AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep



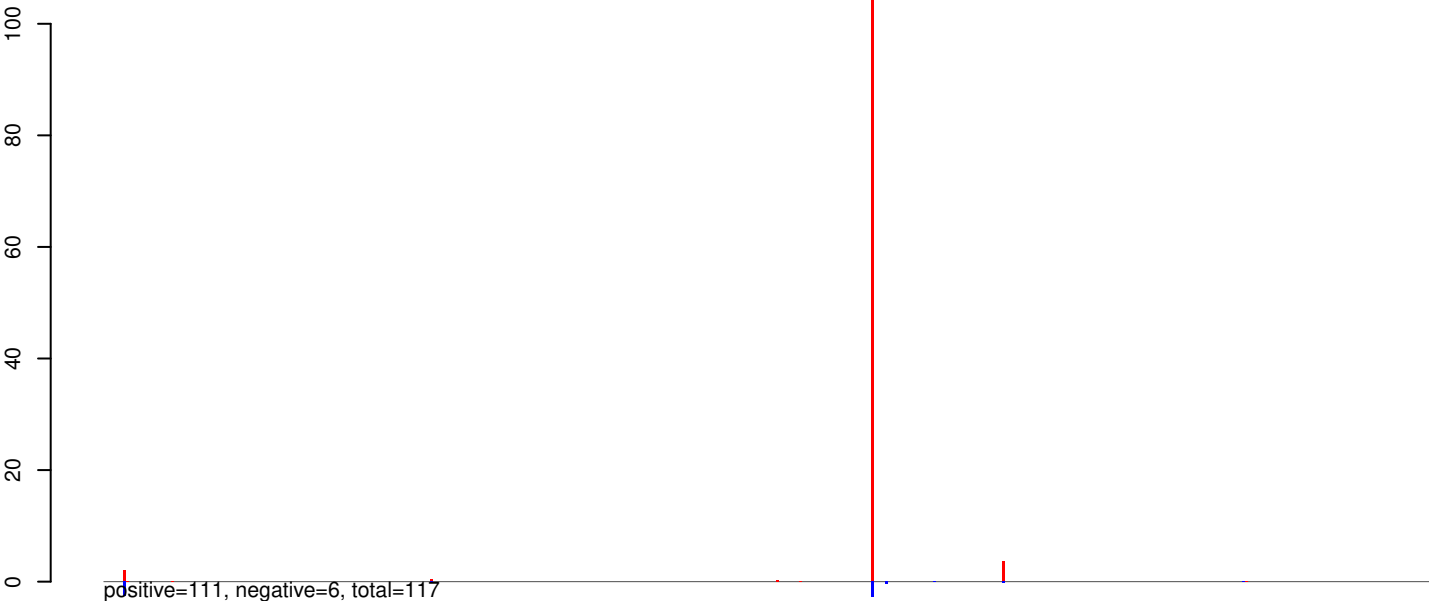
### AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep



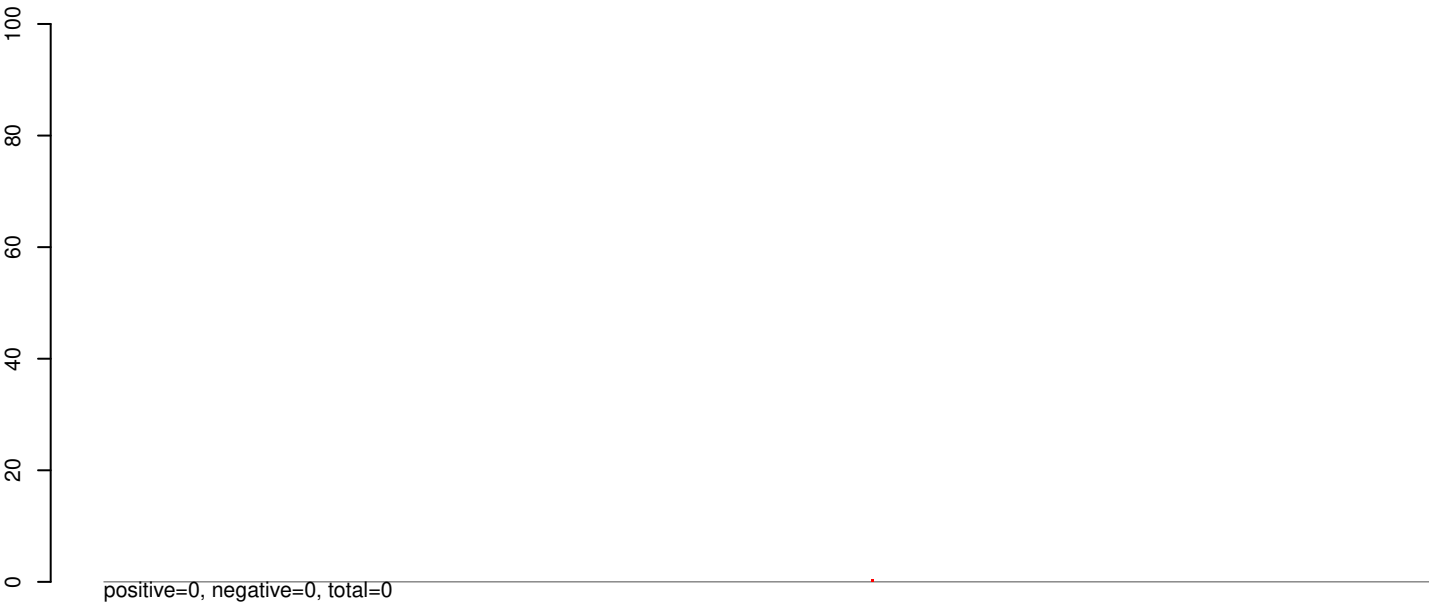
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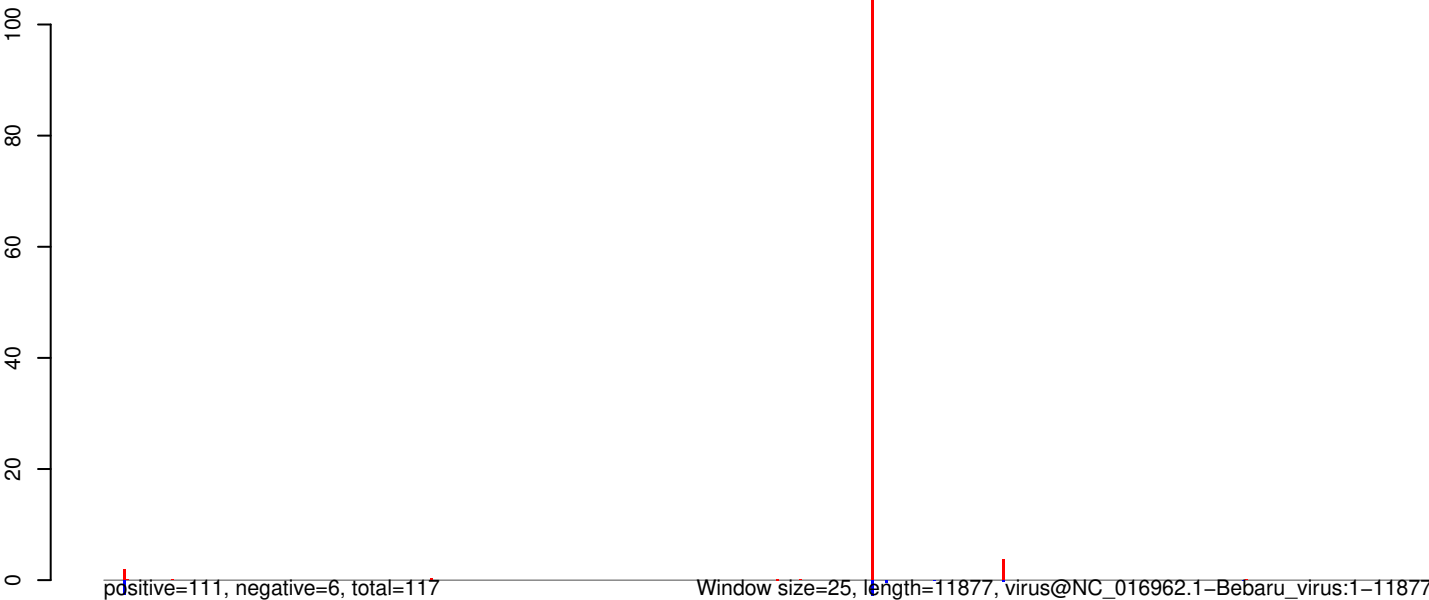
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



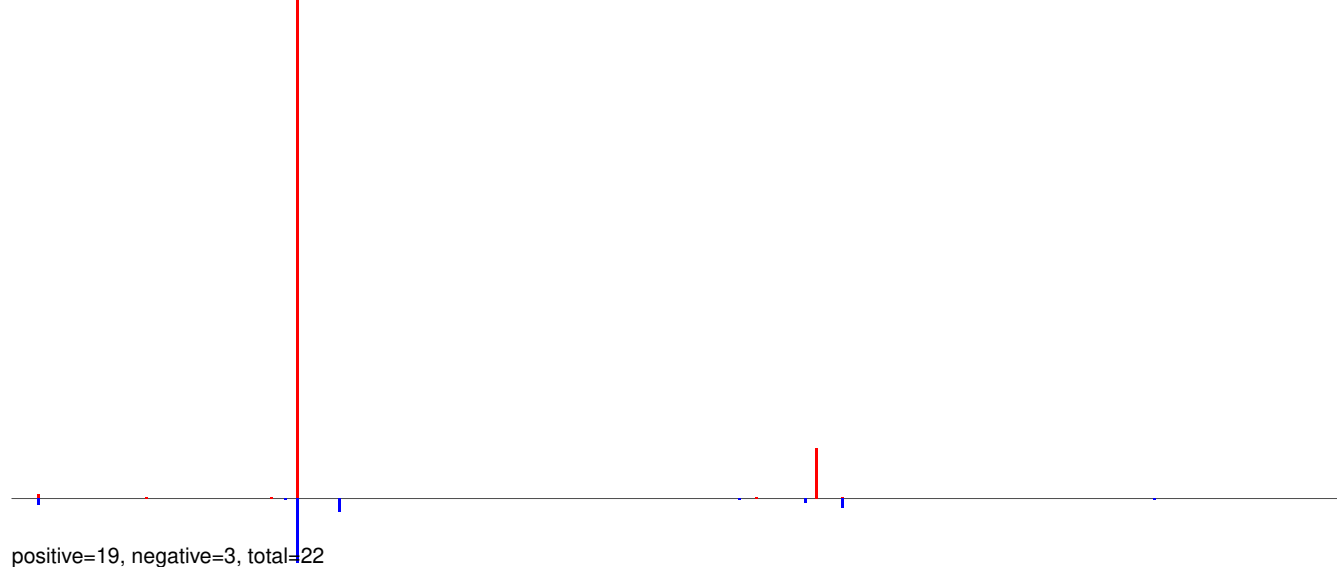
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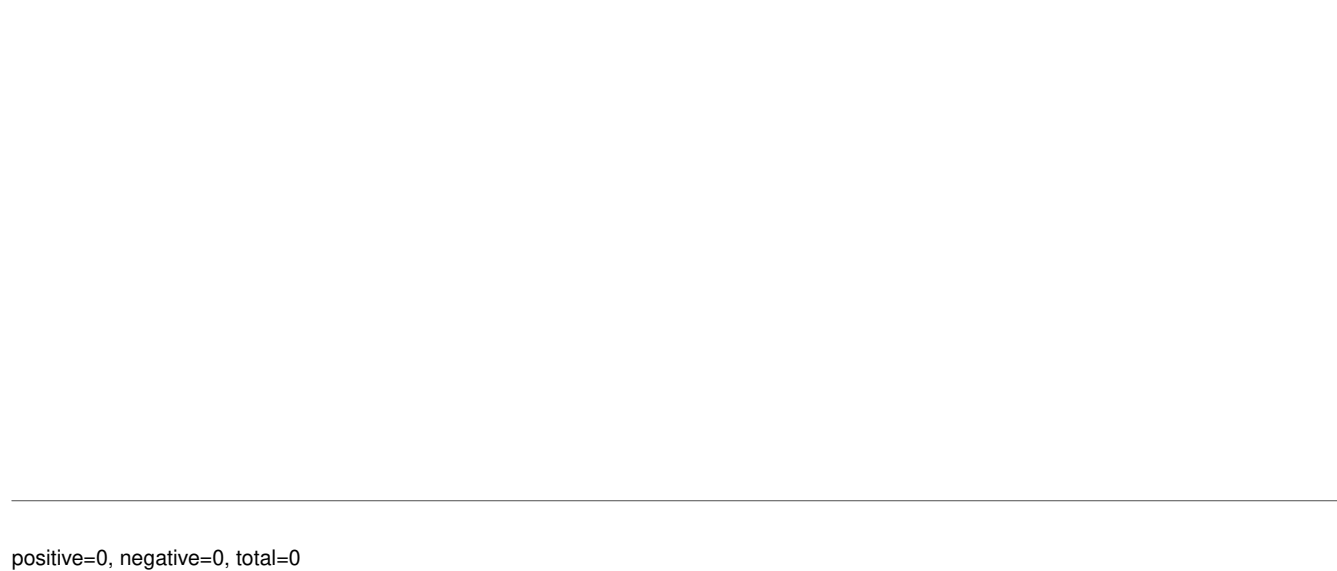
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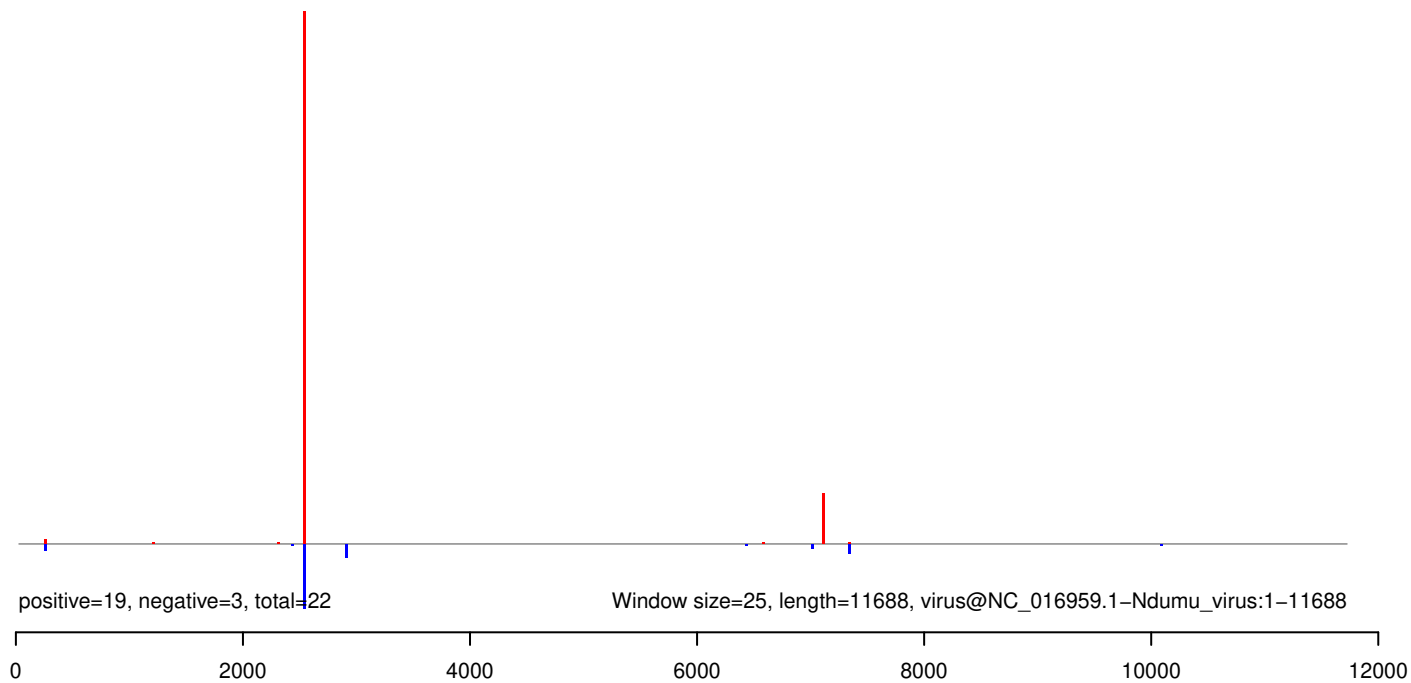
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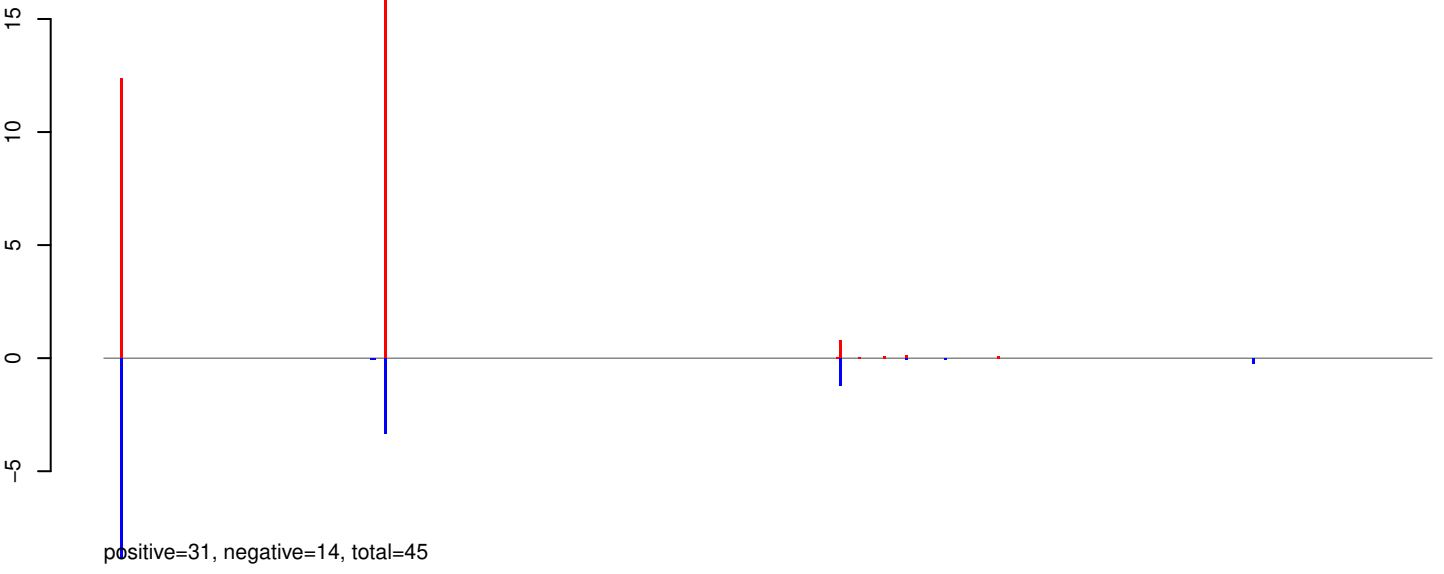
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



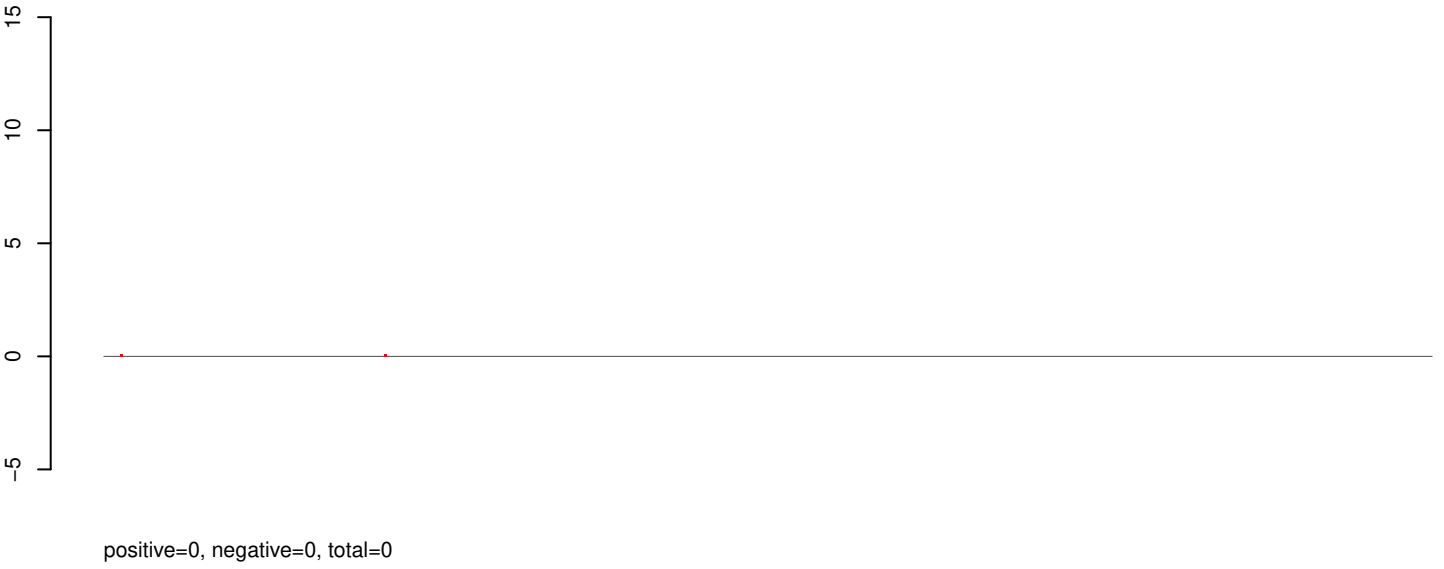
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



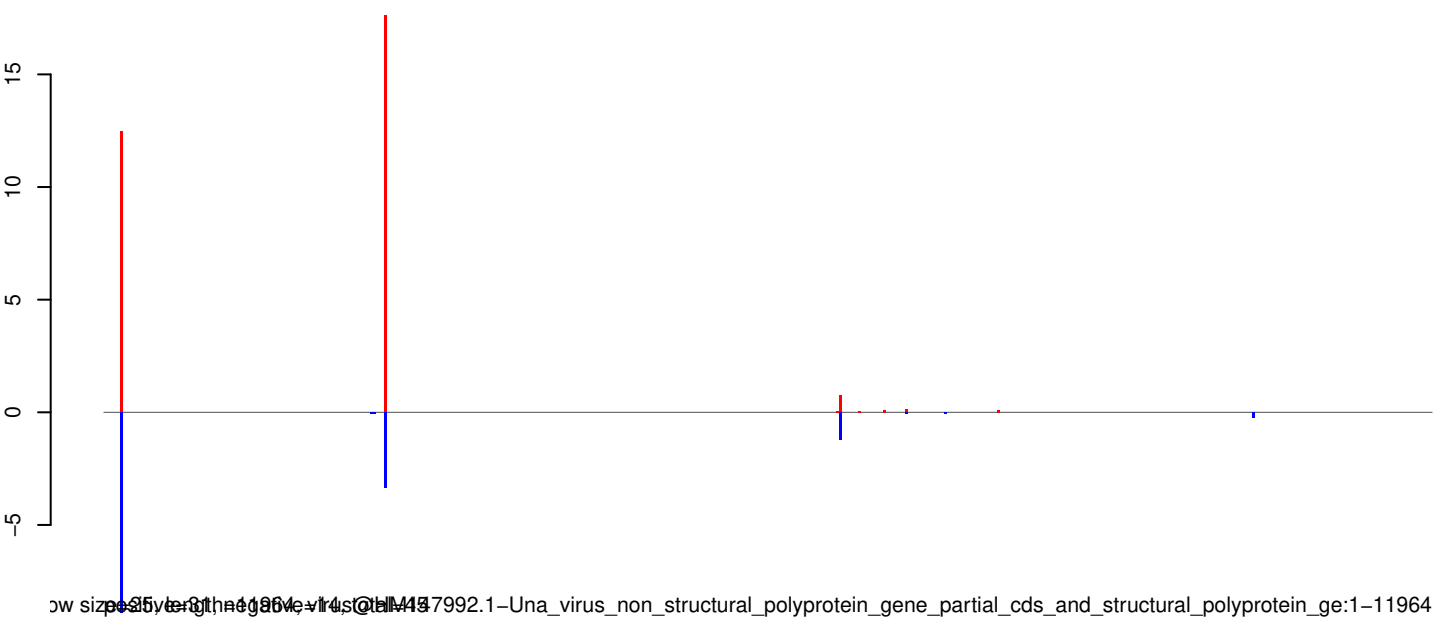
### AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep



### AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep



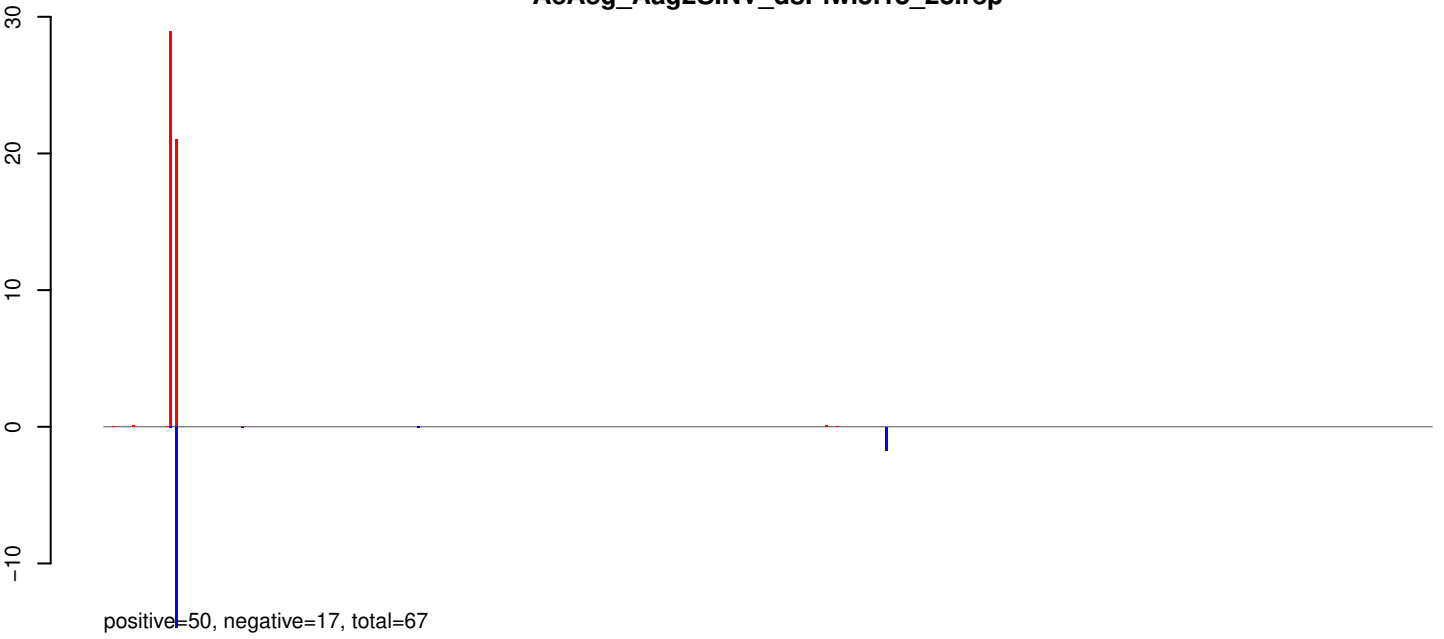
### AeAeg\_Aag2SINV\_dsPiwi5.rep



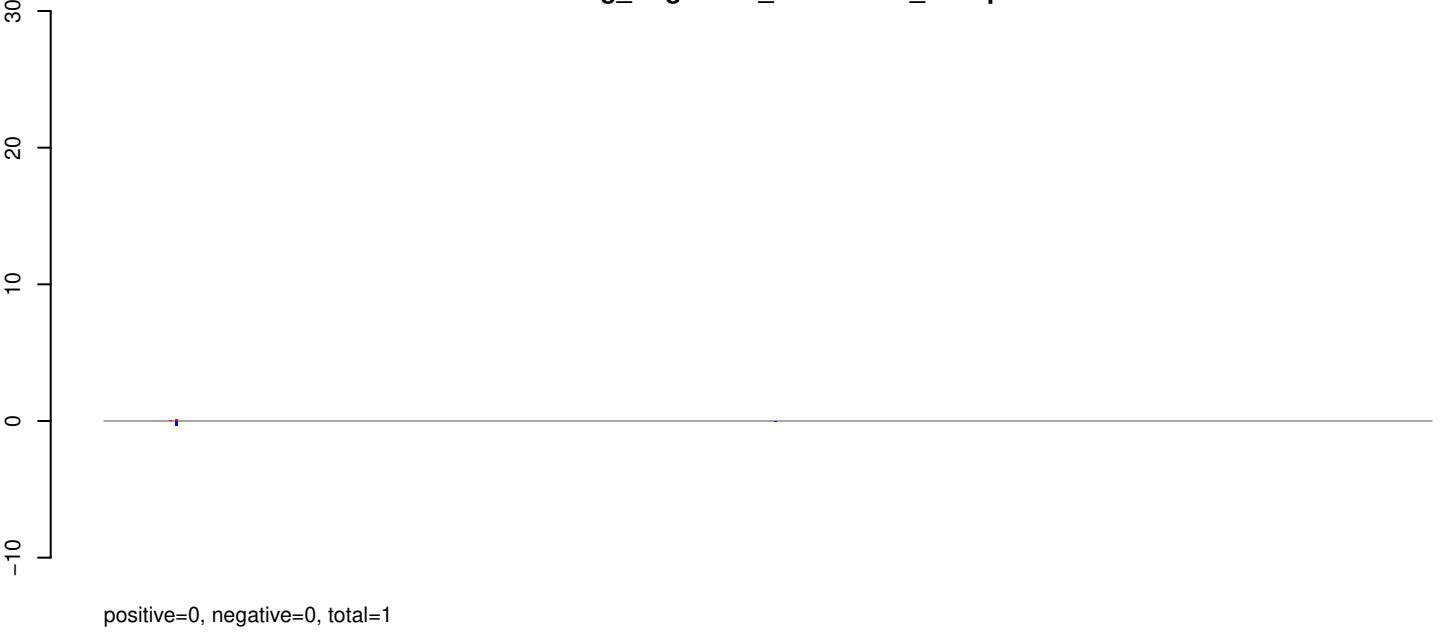
bow size=35, length=11964, total=14, Q1=413, Q3=7992.1-Una\_virus\_non\_structural\_polyprotein\_gene\_partial\_cds\_and\_structural\_polyprotein\_ge:1-11964

0 2000 4000 6000 8000 10000 12000

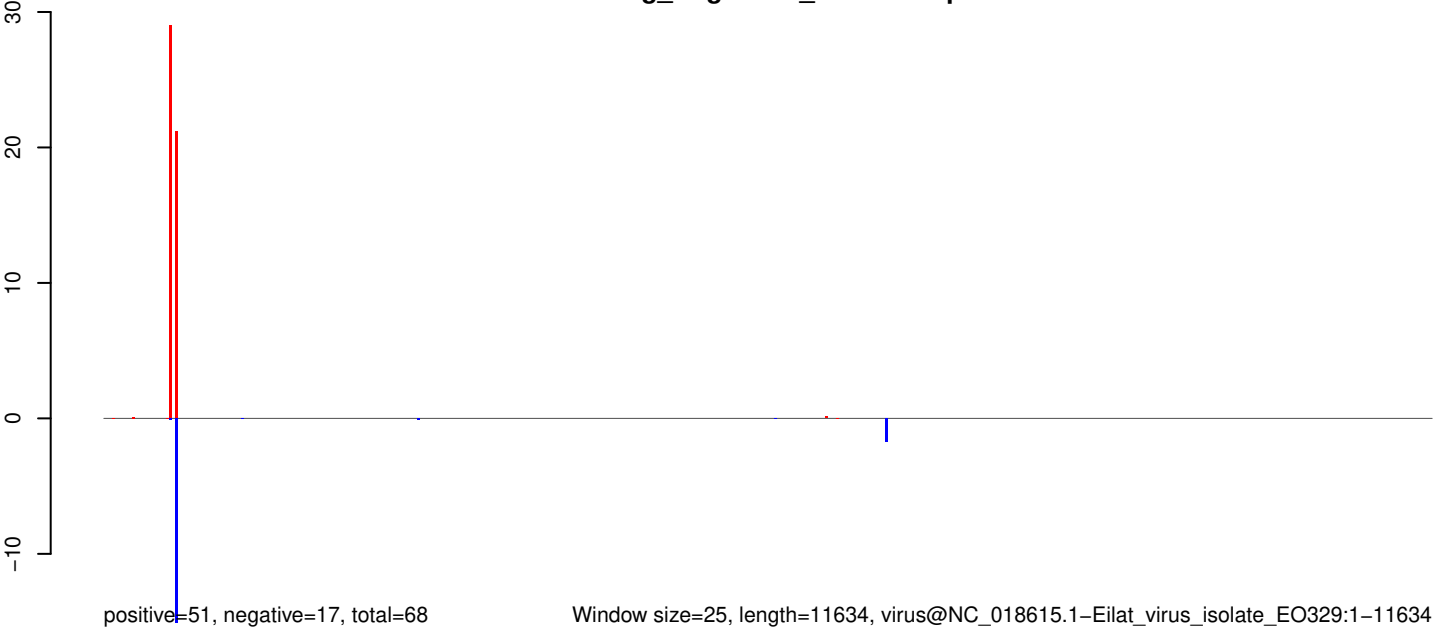
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

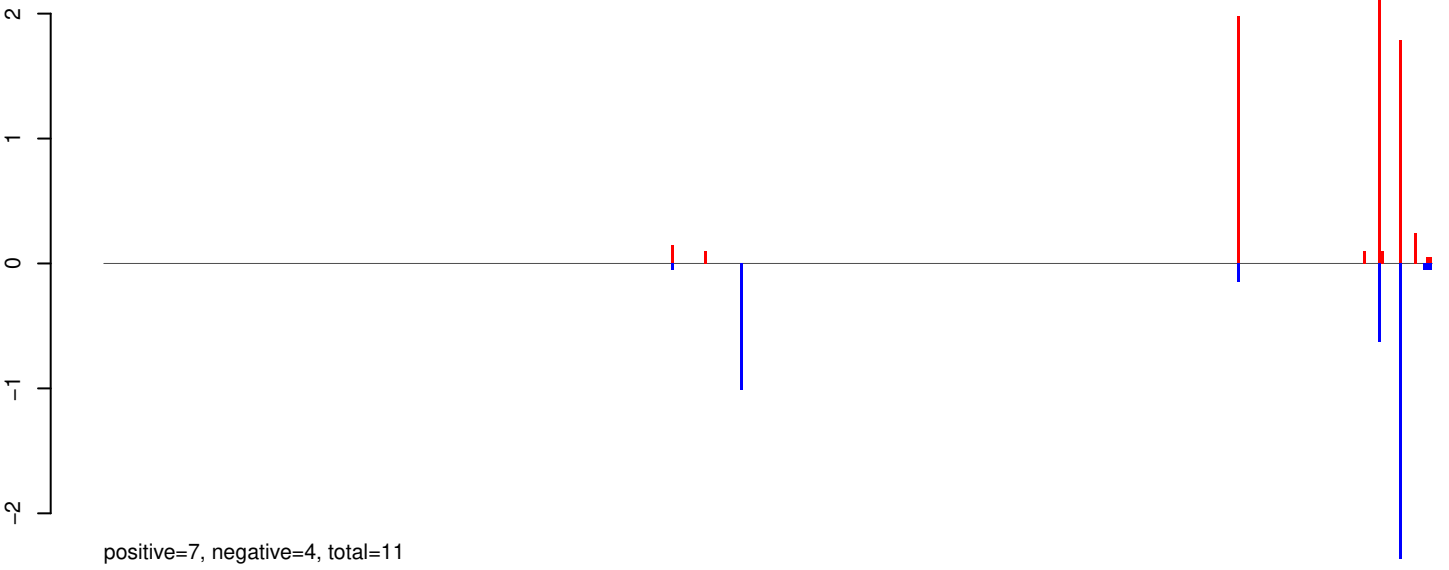


**AeAeg\_Aag2SINV\_dsPiwi5.rep**

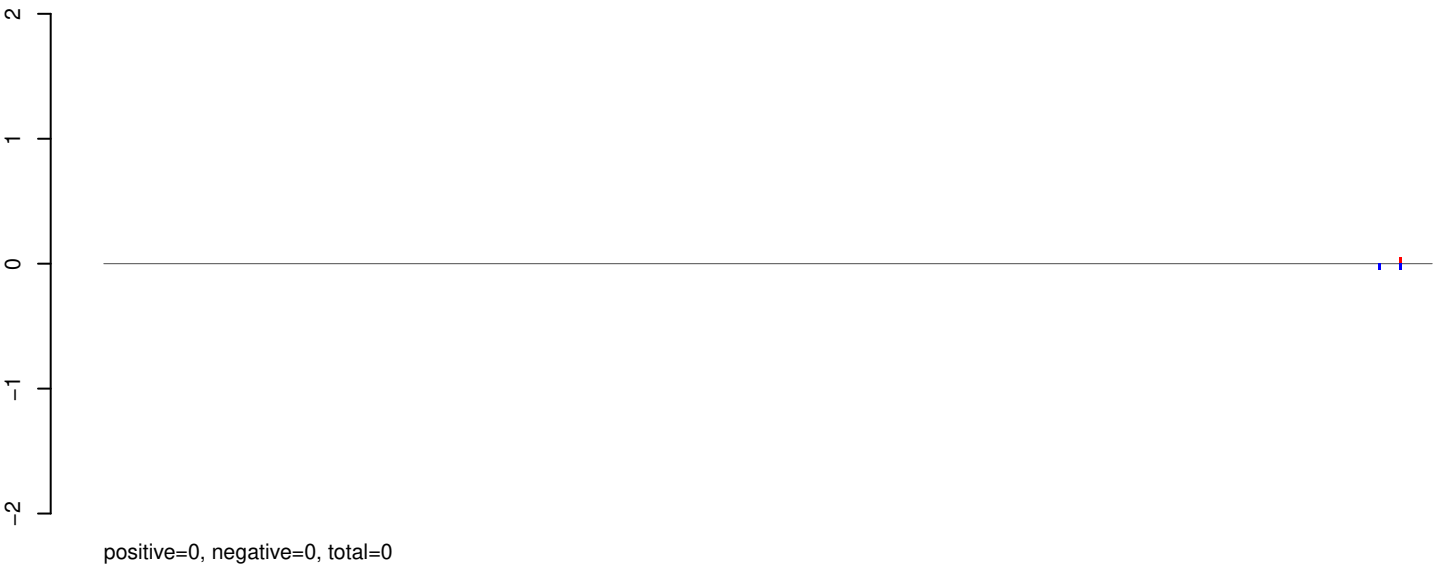


Window size=25, length=11634, virus@NC\_018615.1-Eilat\_virus\_isolate\_EO329:1-11634

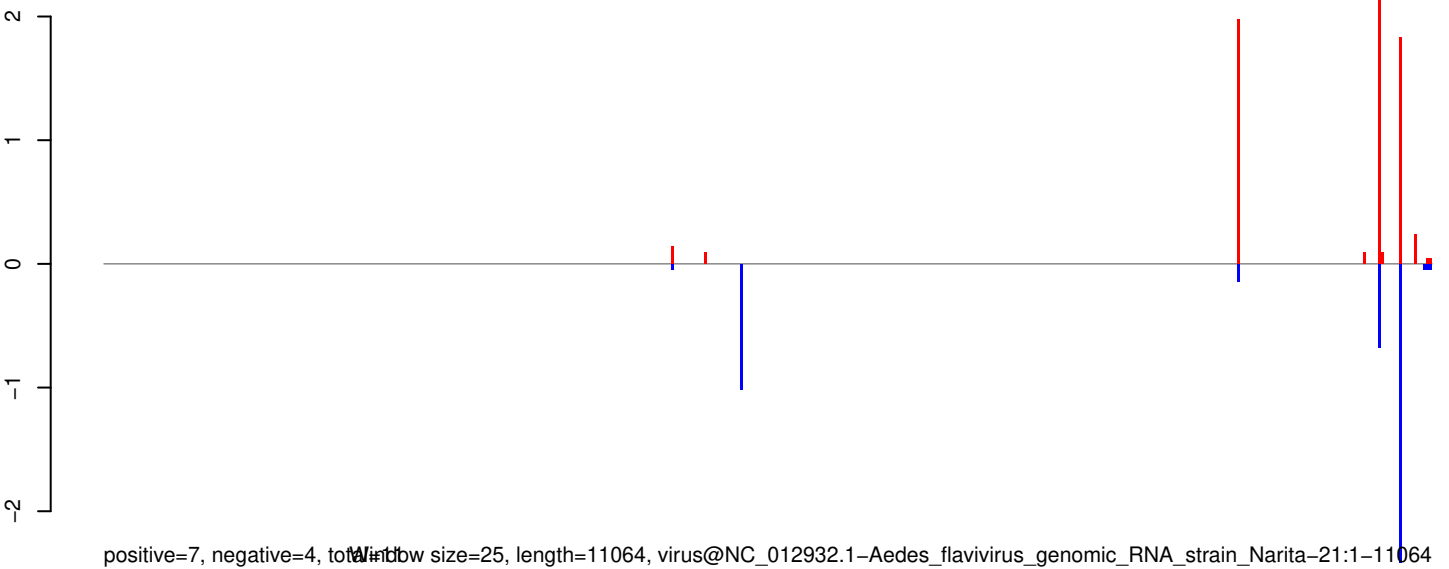
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

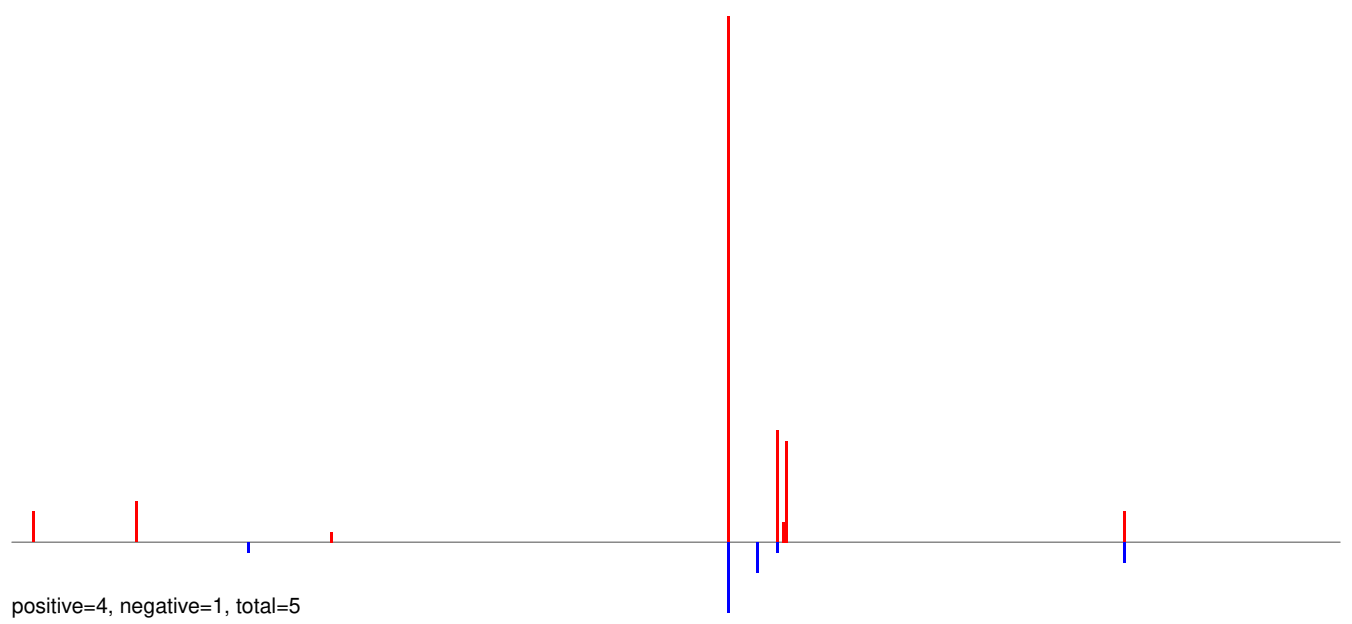


**AeAeg\_Aag2SINV\_dsPiwi5.rep**

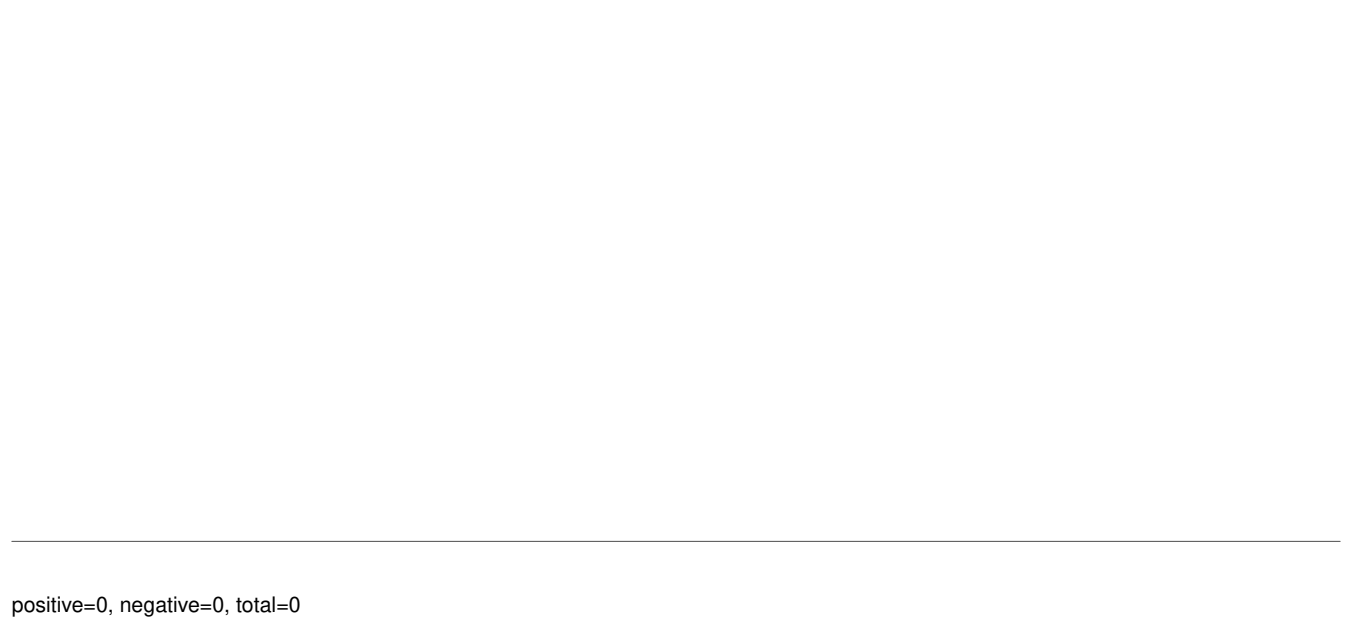




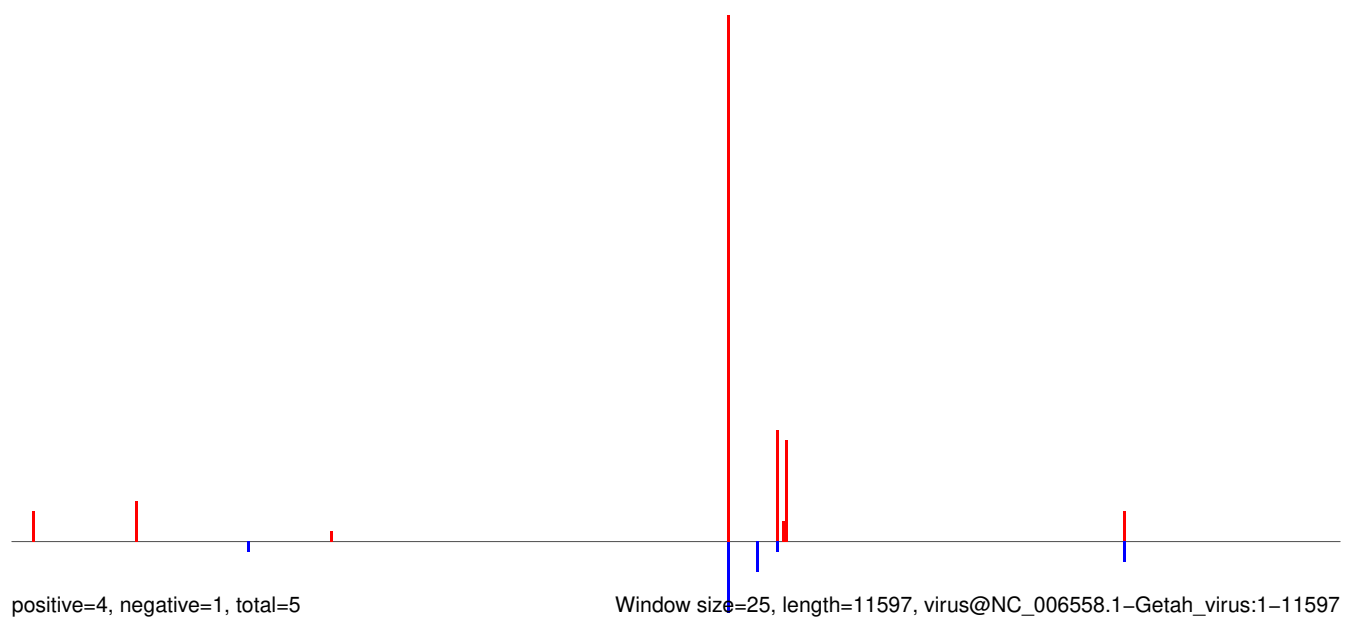
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

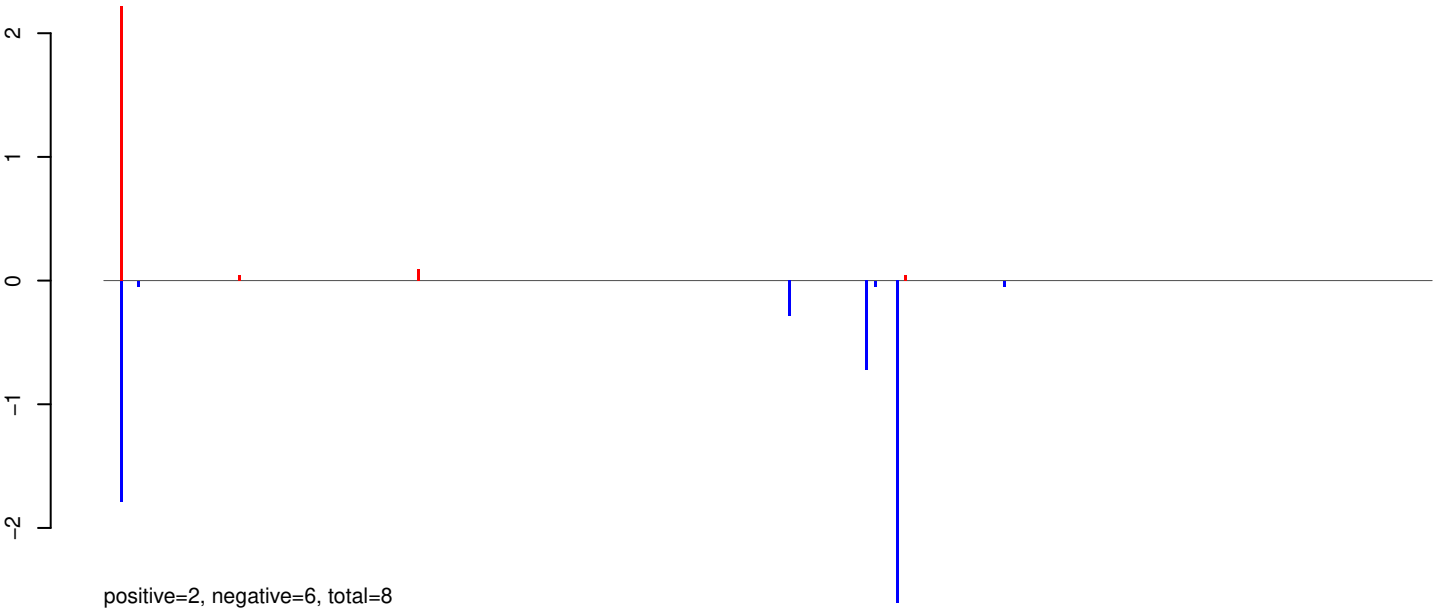


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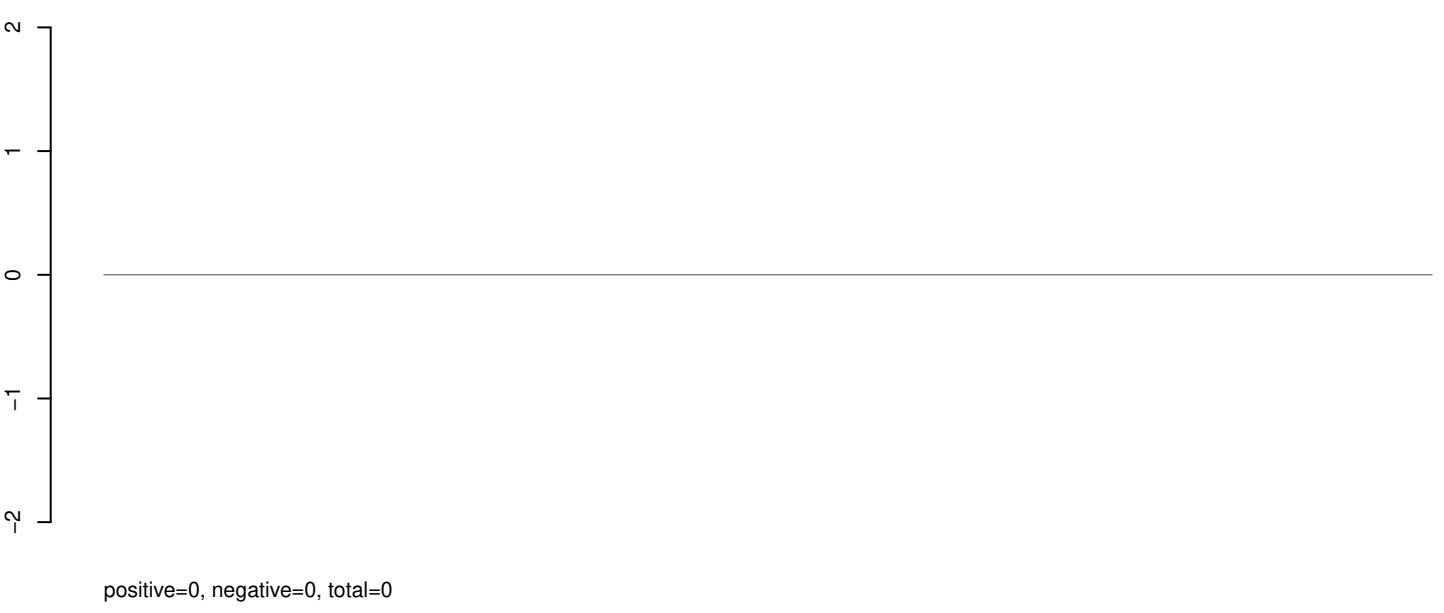


0 2000 4000 6000 8000 10000 12000

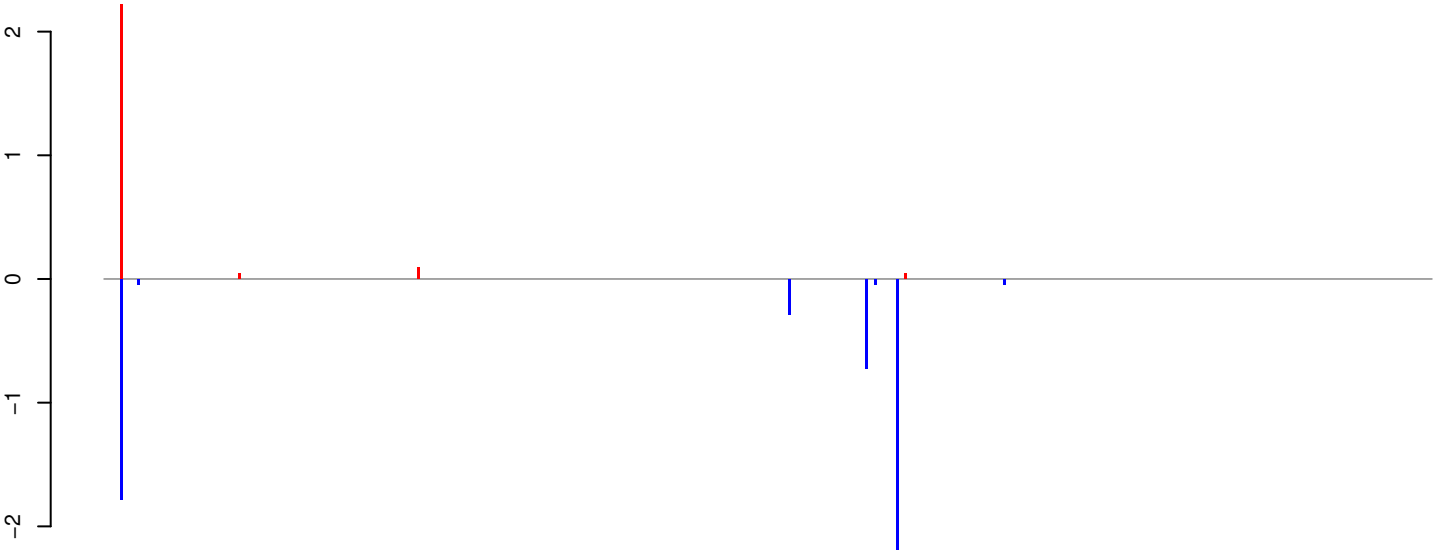
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**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



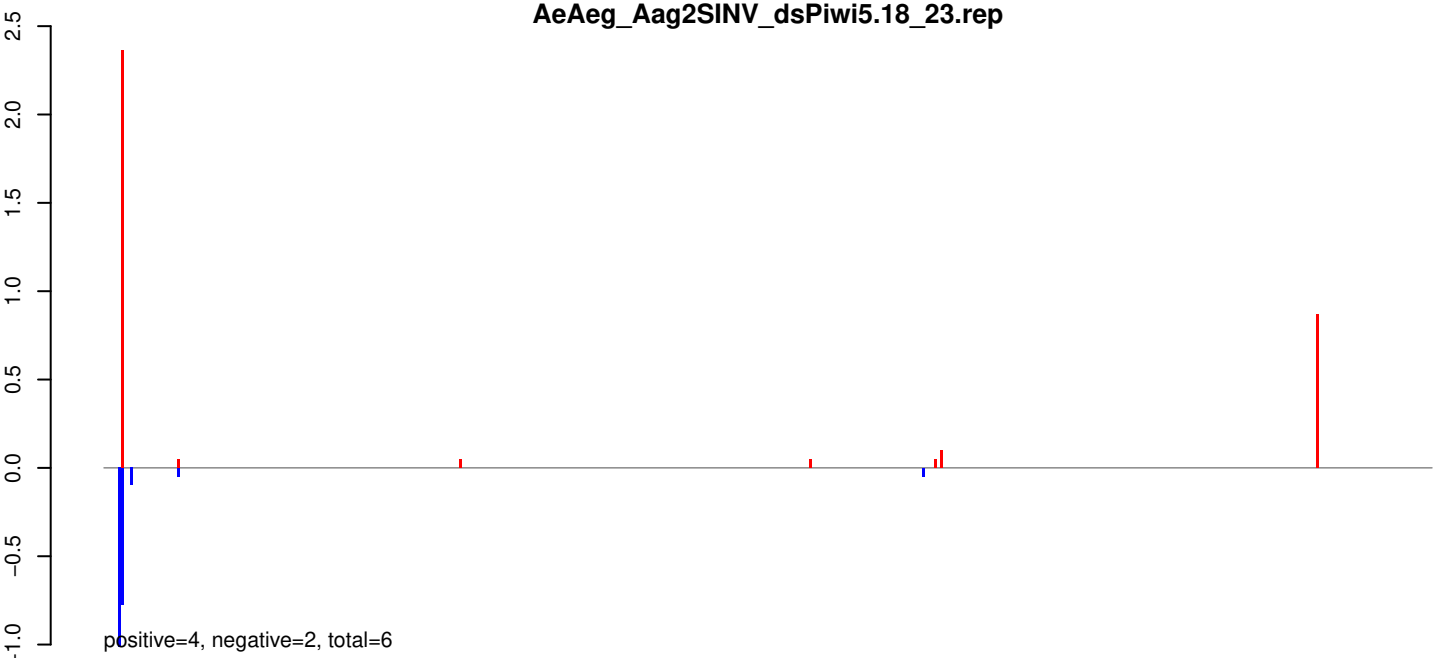
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



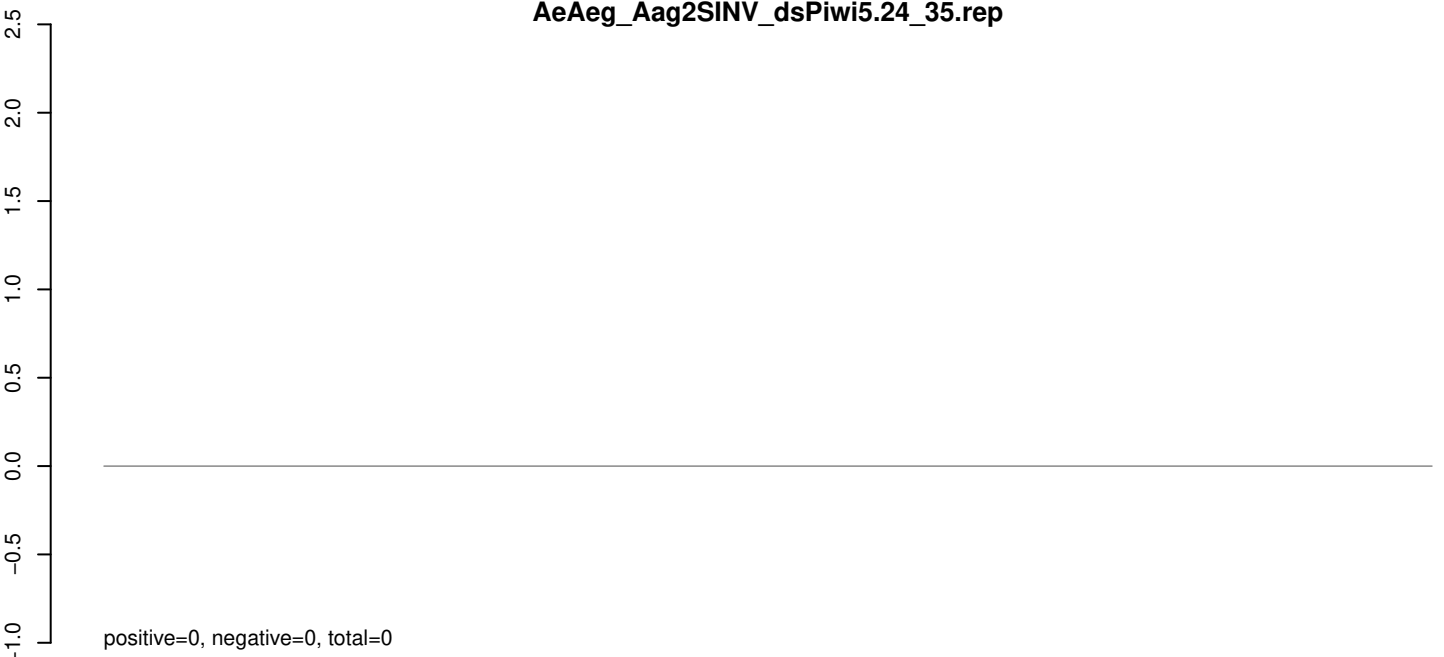
downloaded from [https://www.ncbi.nlm.nih.gov/trace/vol/12052/HM147991.1-Trocaravirus\\_non\\_structural\\_polyprotein\\_gene\\_partial\\_cds\\_and\\_structural\\_polyprotei:1-12052](https://www.ncbi.nlm.nih.gov/trace/vol/12052/HM147991.1-Trocaravirus_non_structural_polyprotein_gene_partial_cds_and_structural_polyprotei:1-12052)

0 2000 4000 6000 8000 10000 12000

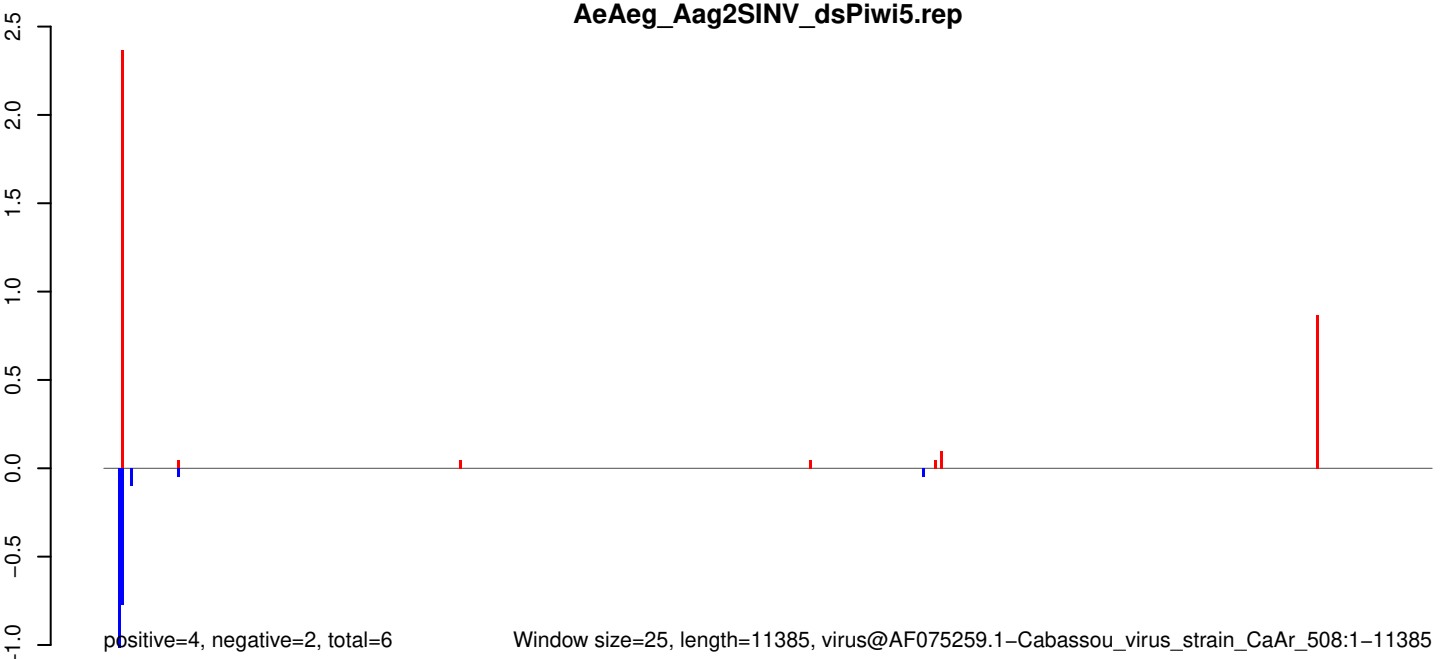
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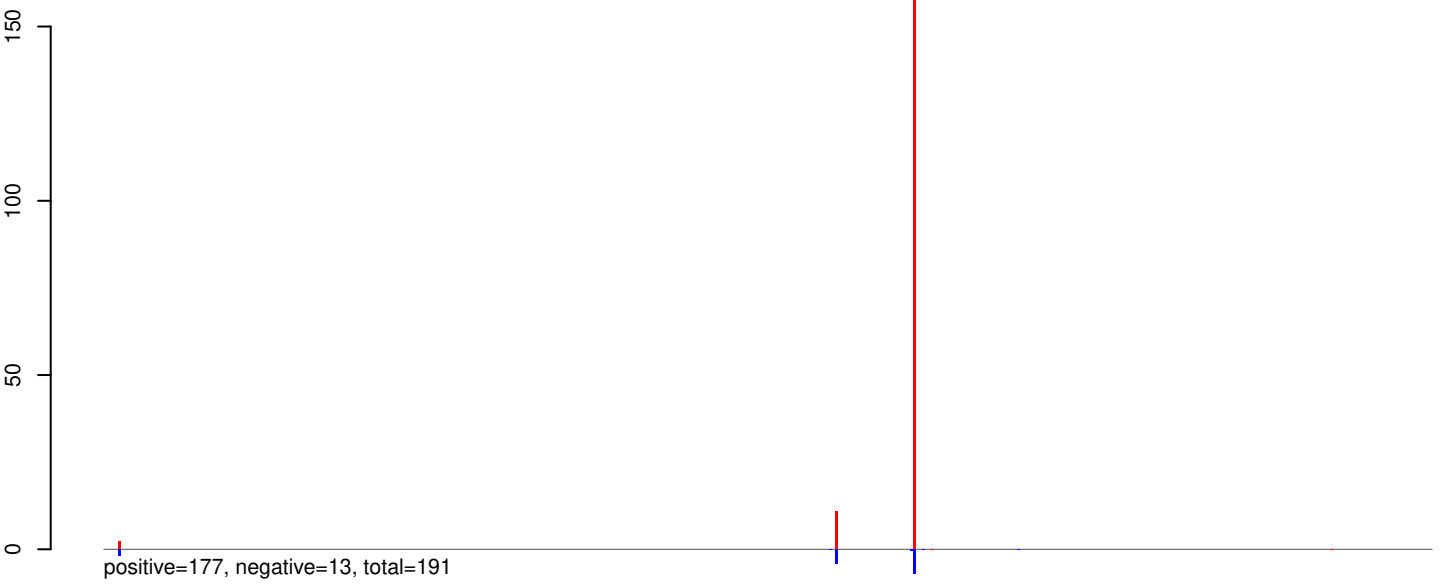
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**AeAeg\_Aag2SINV\_dsPiwi5.rep**



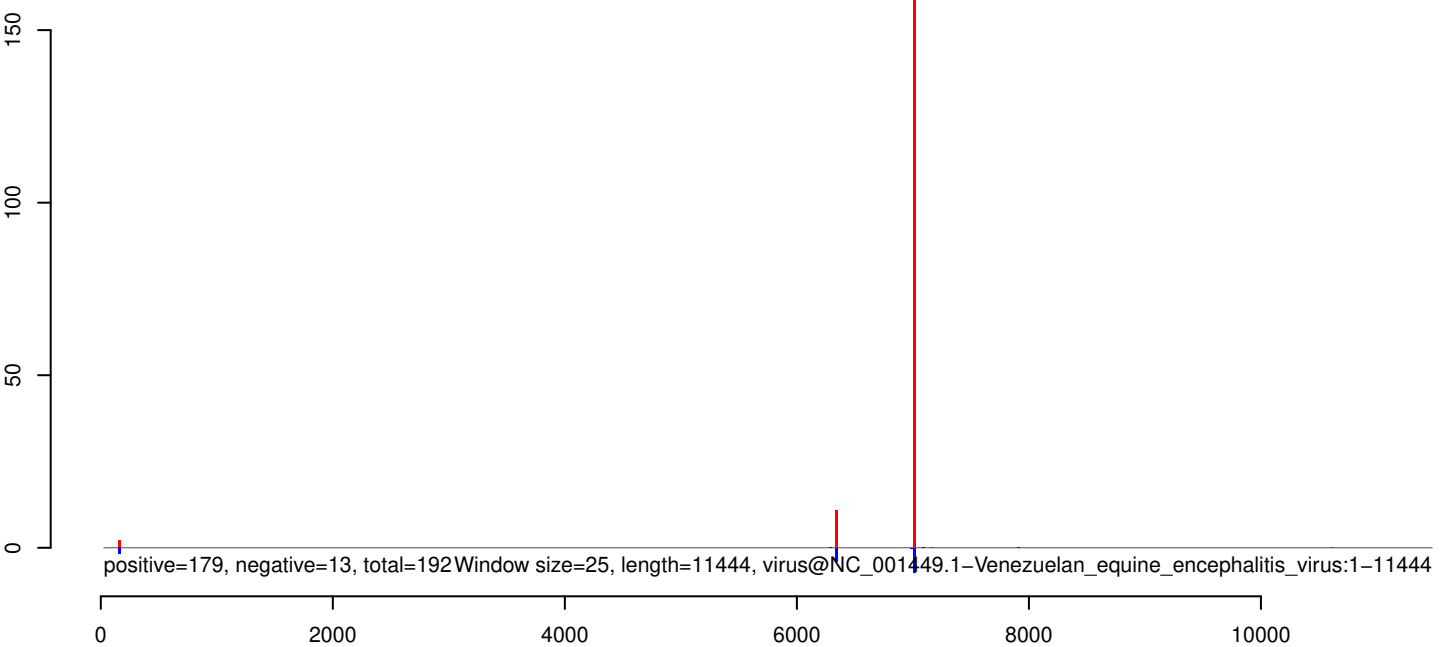
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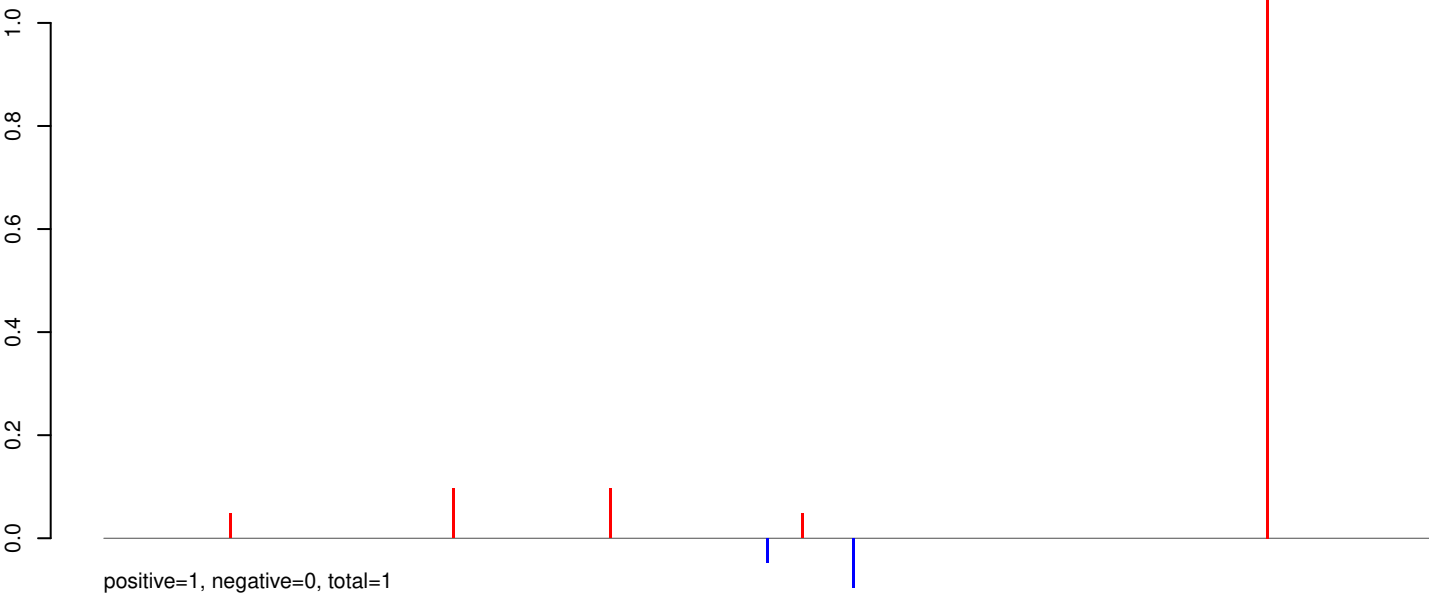
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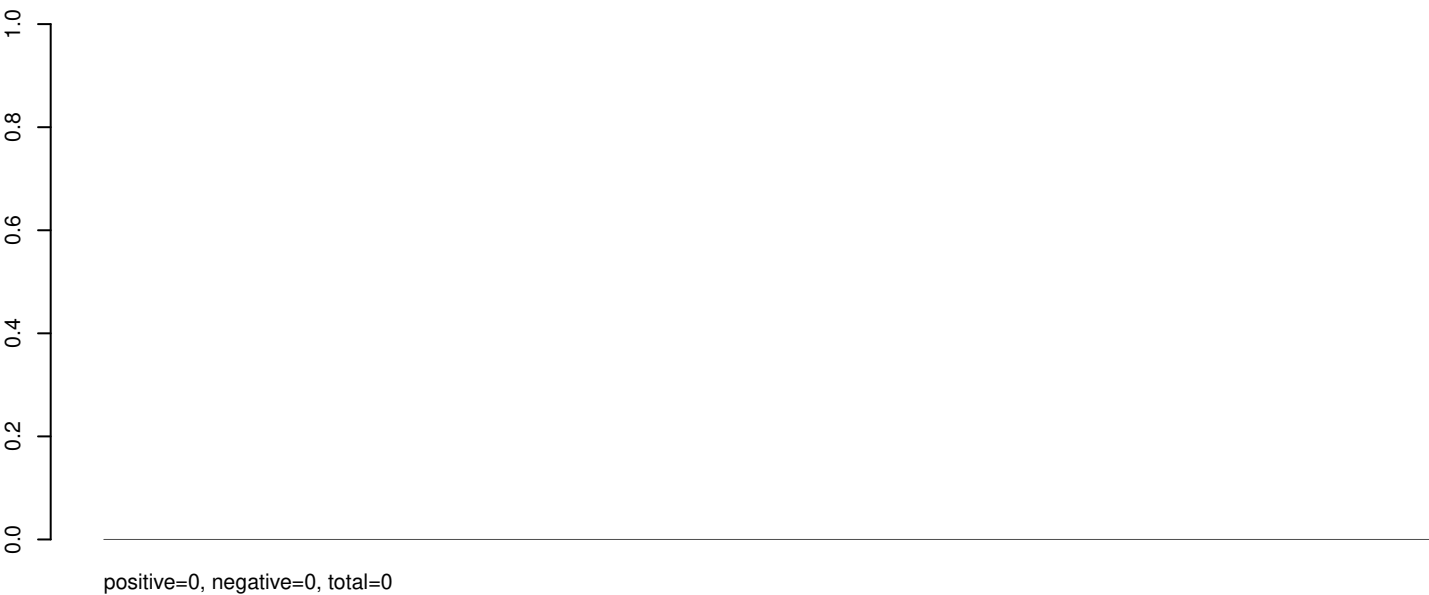
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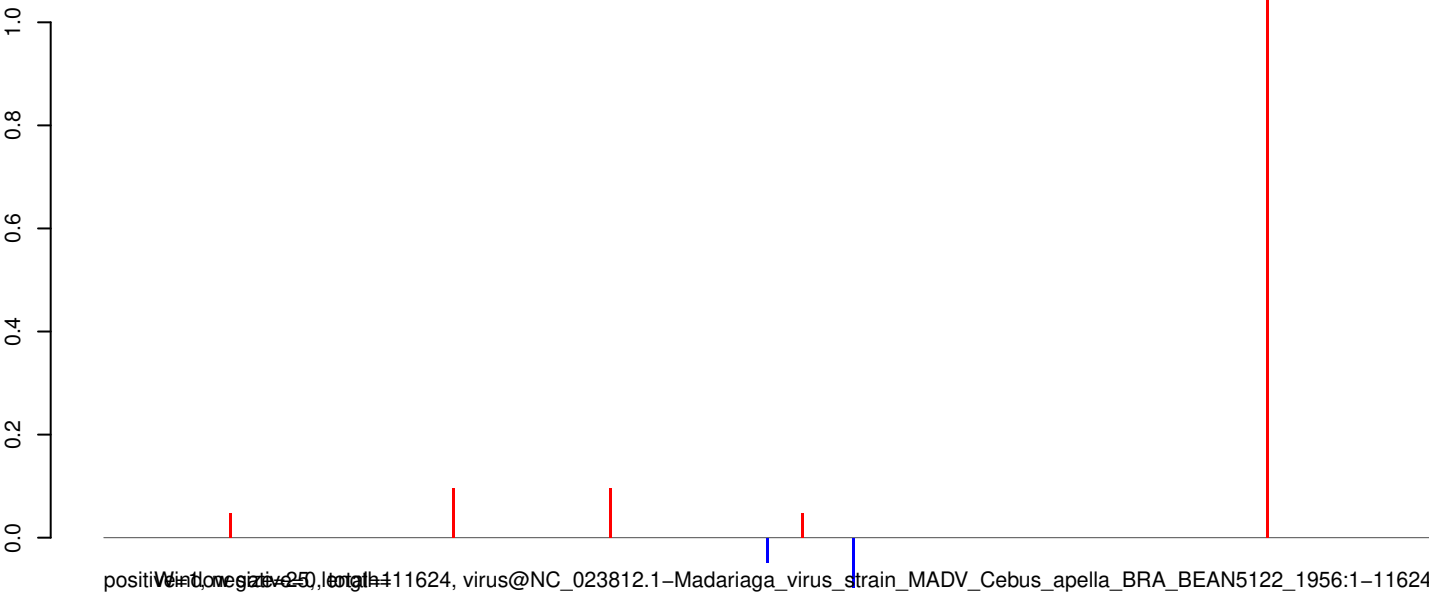
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**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**

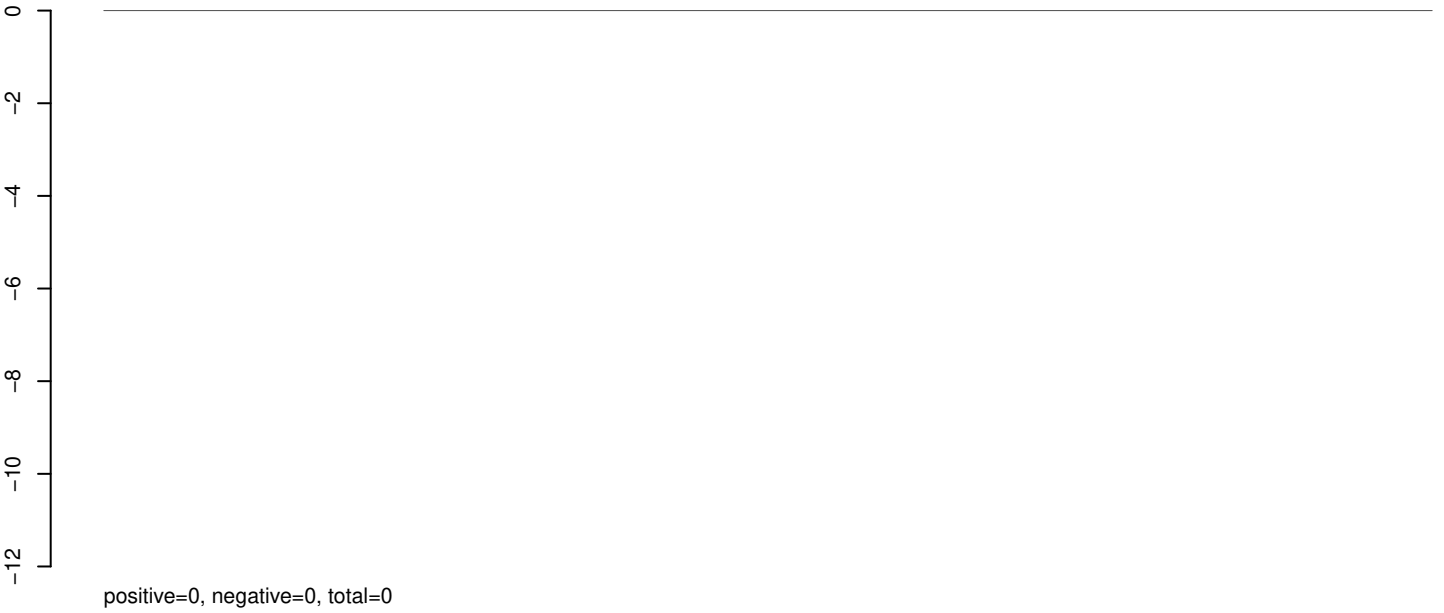


0 2000 4000 6000 8000 10000 12000  
virus@NC\_023812.1-Madariaga\_virus\_strain\_MADV\_Cebus\_apella\_BRA\_BEAN5122\_1956:1-11624

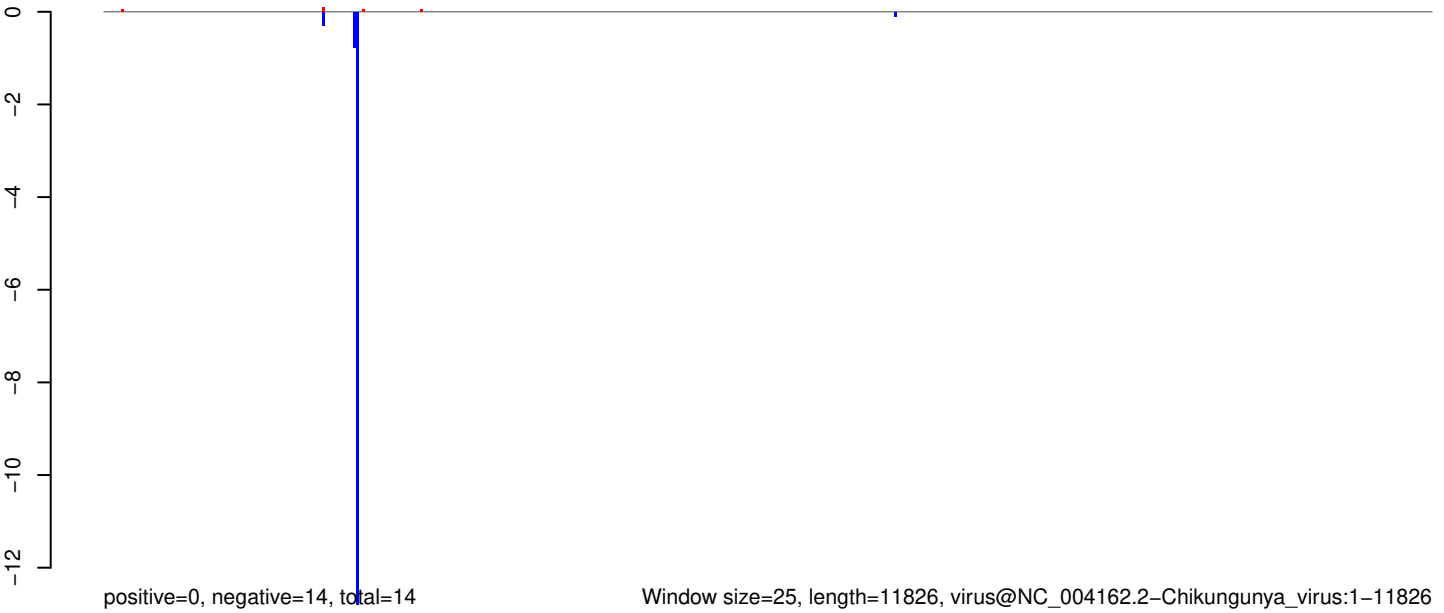
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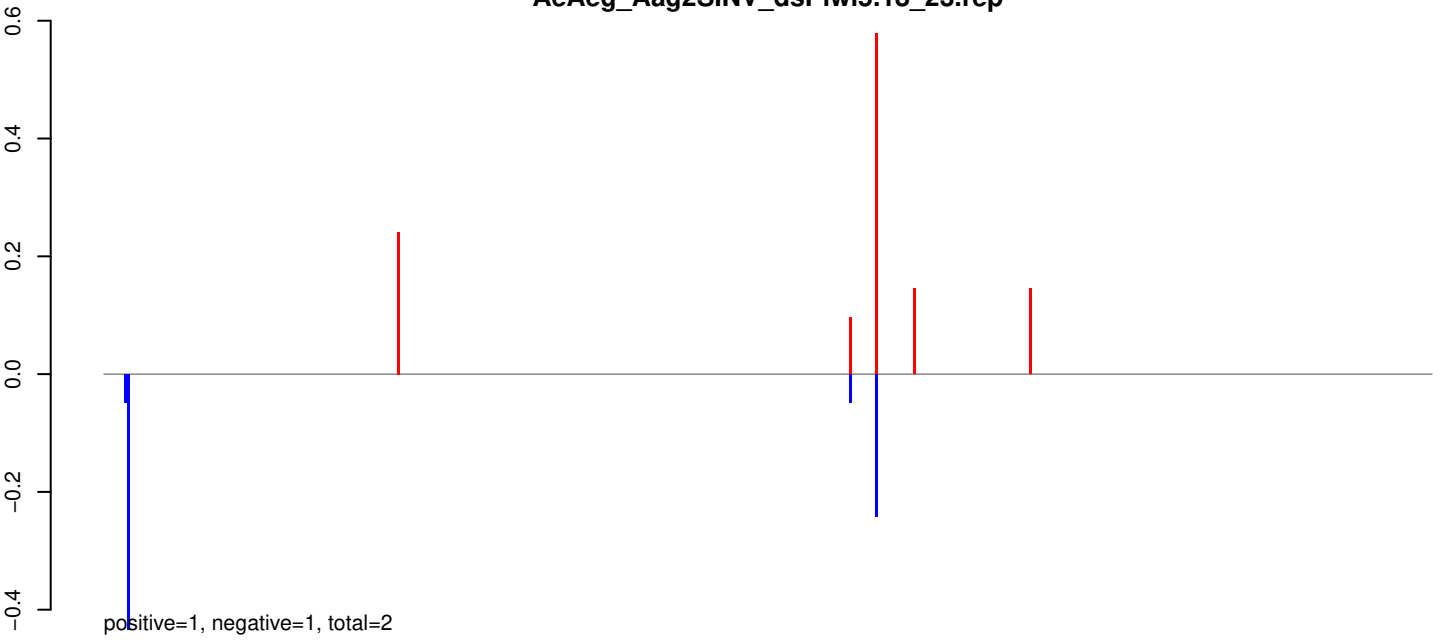
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**AeAeg\_Aag2SINV\_dsPiwi5.rep**



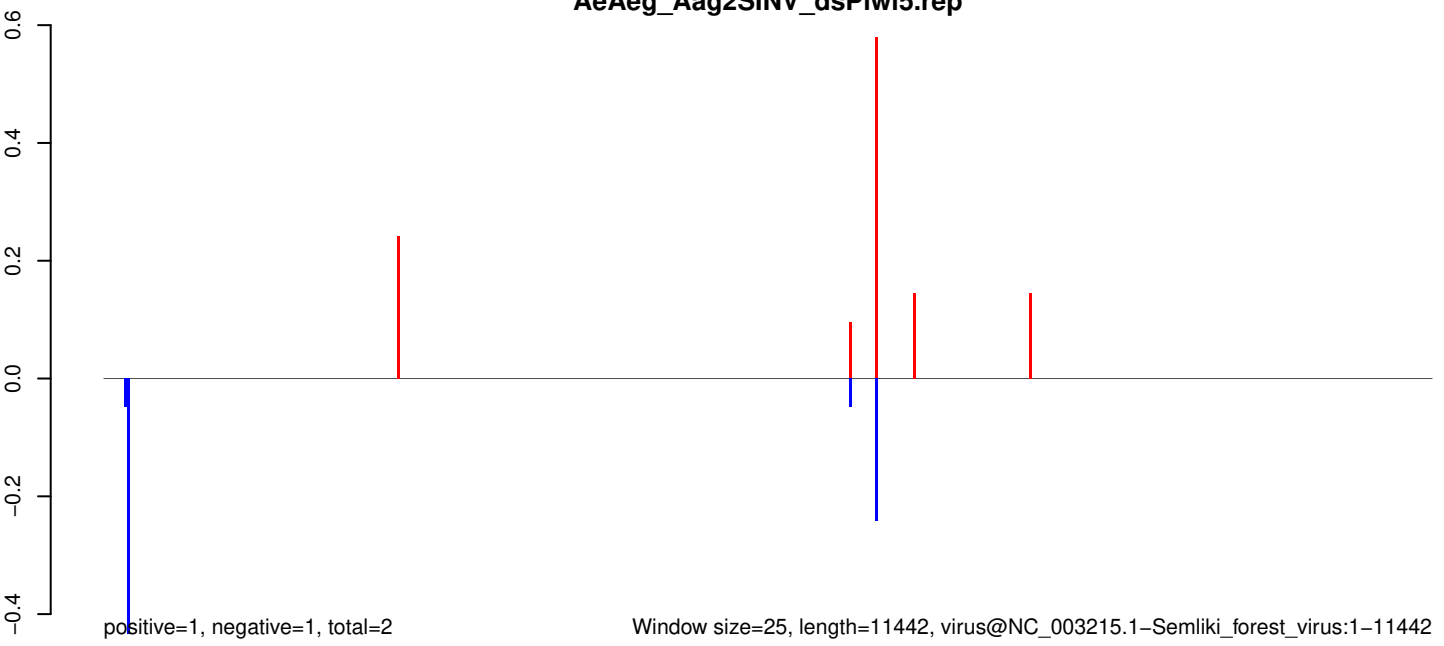
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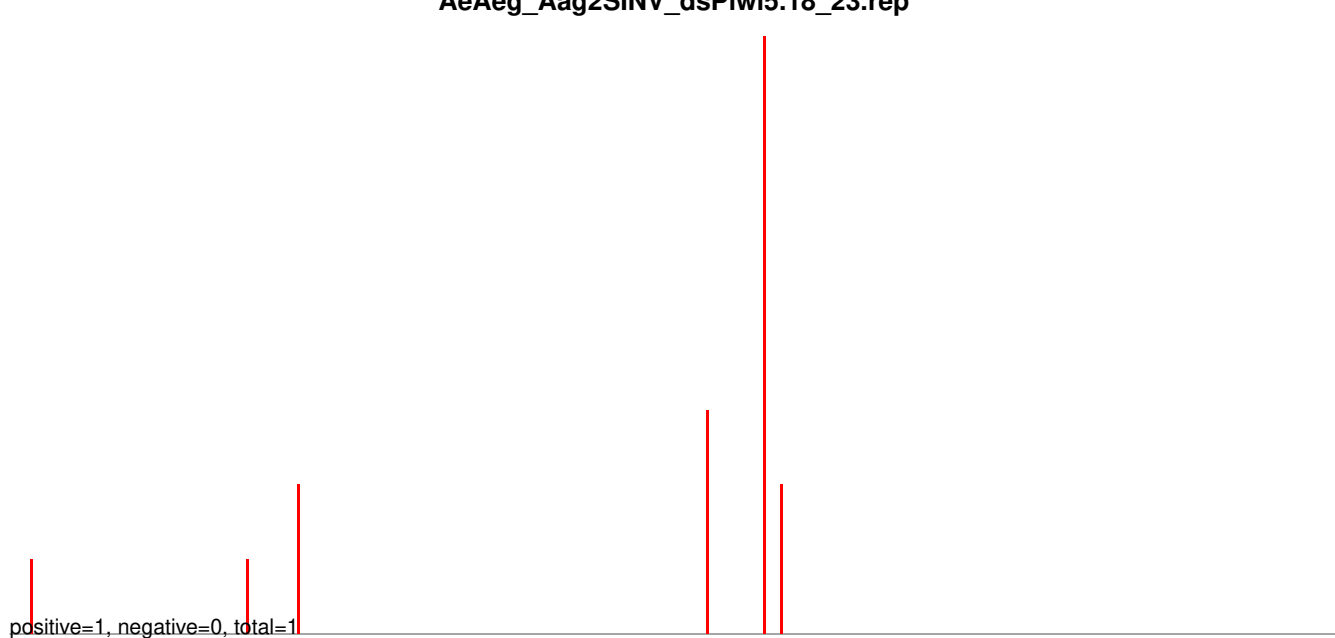
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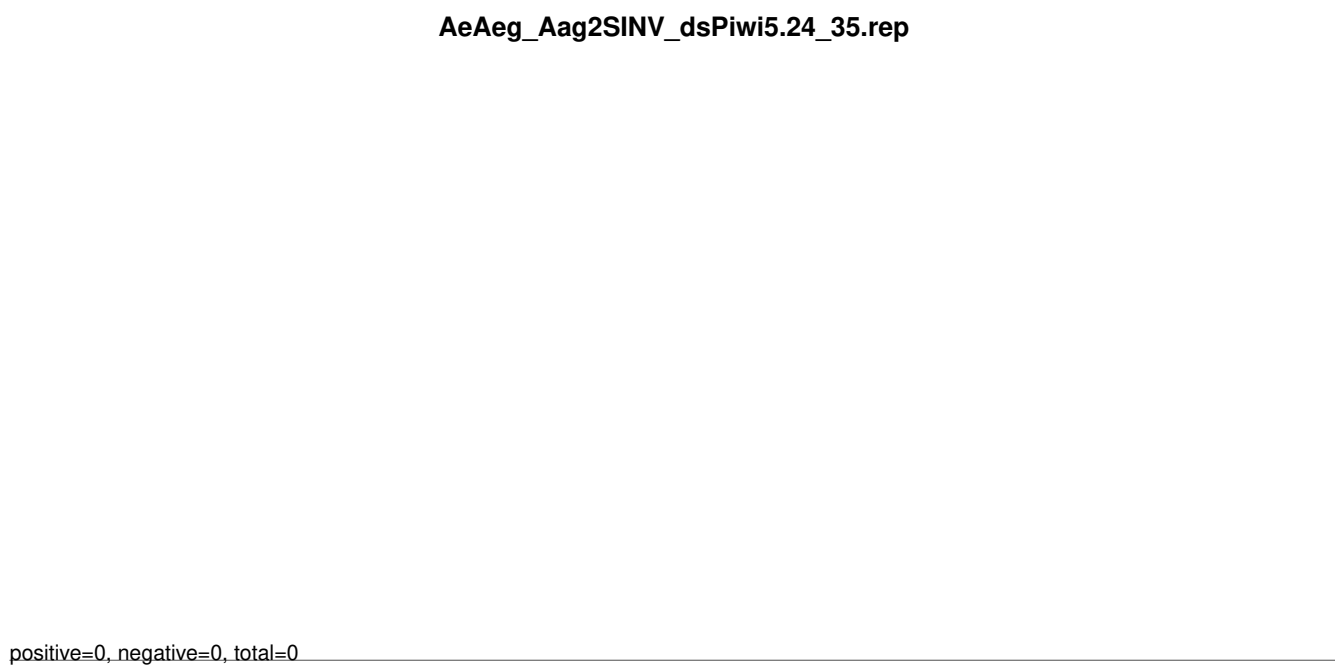
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



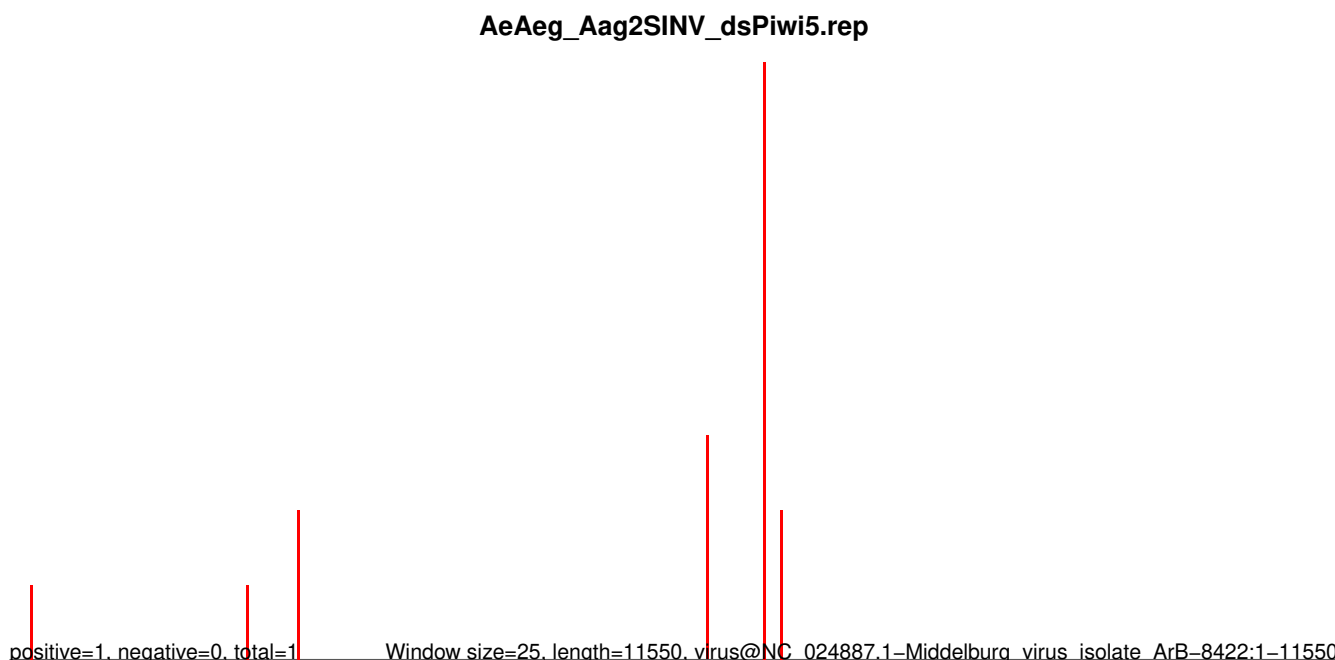
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**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

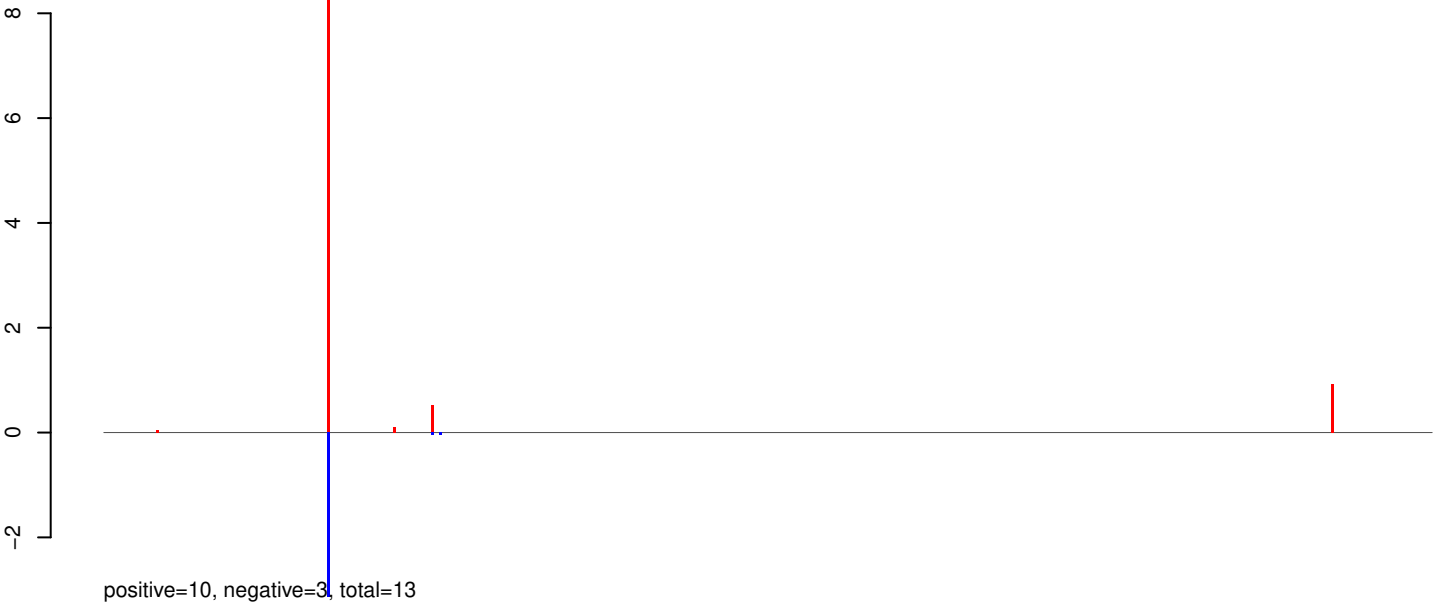


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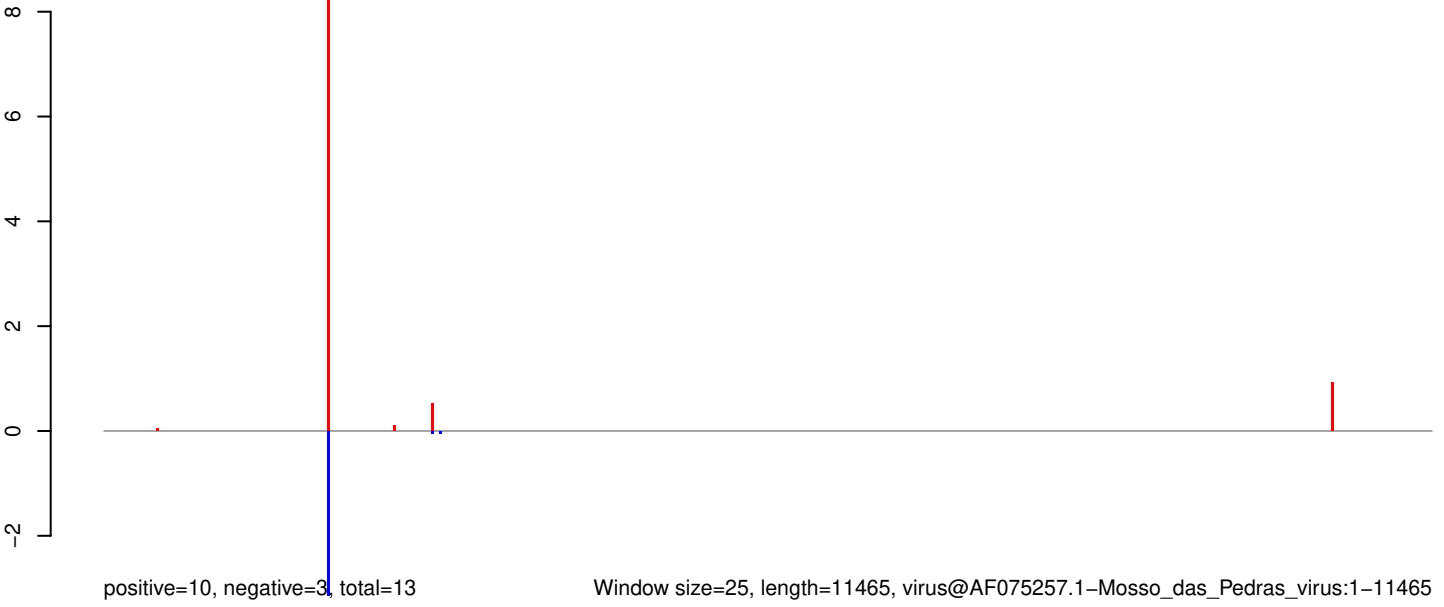
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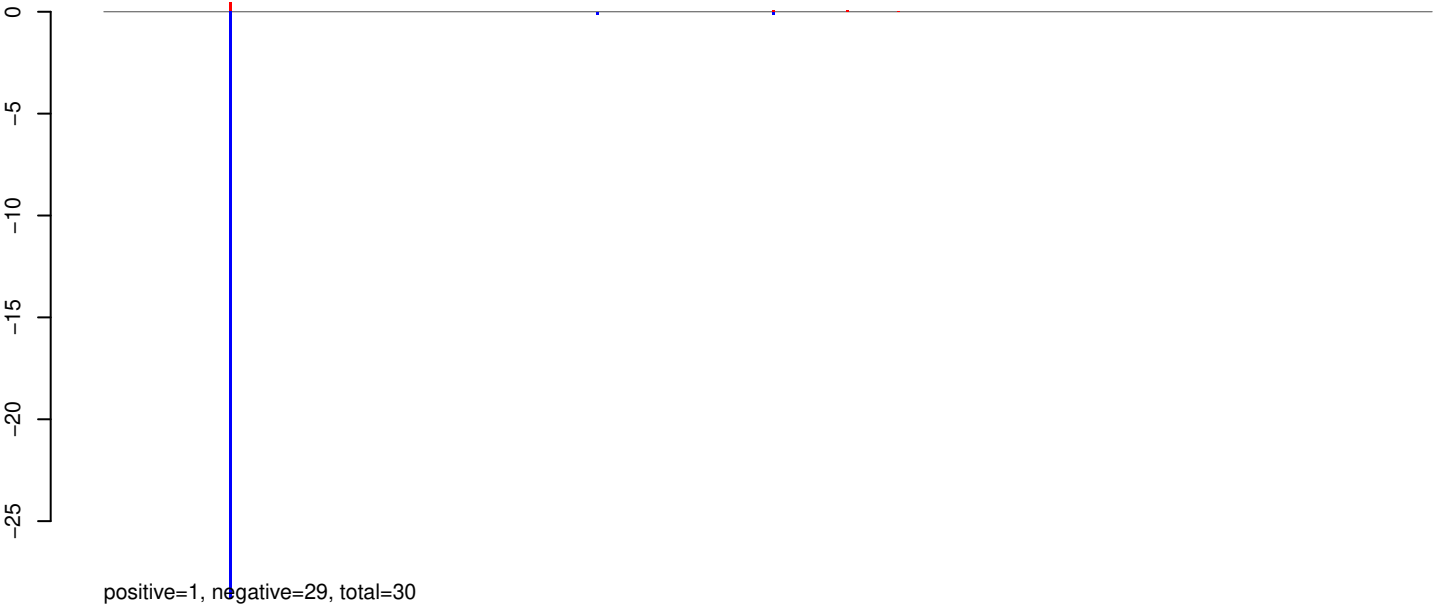
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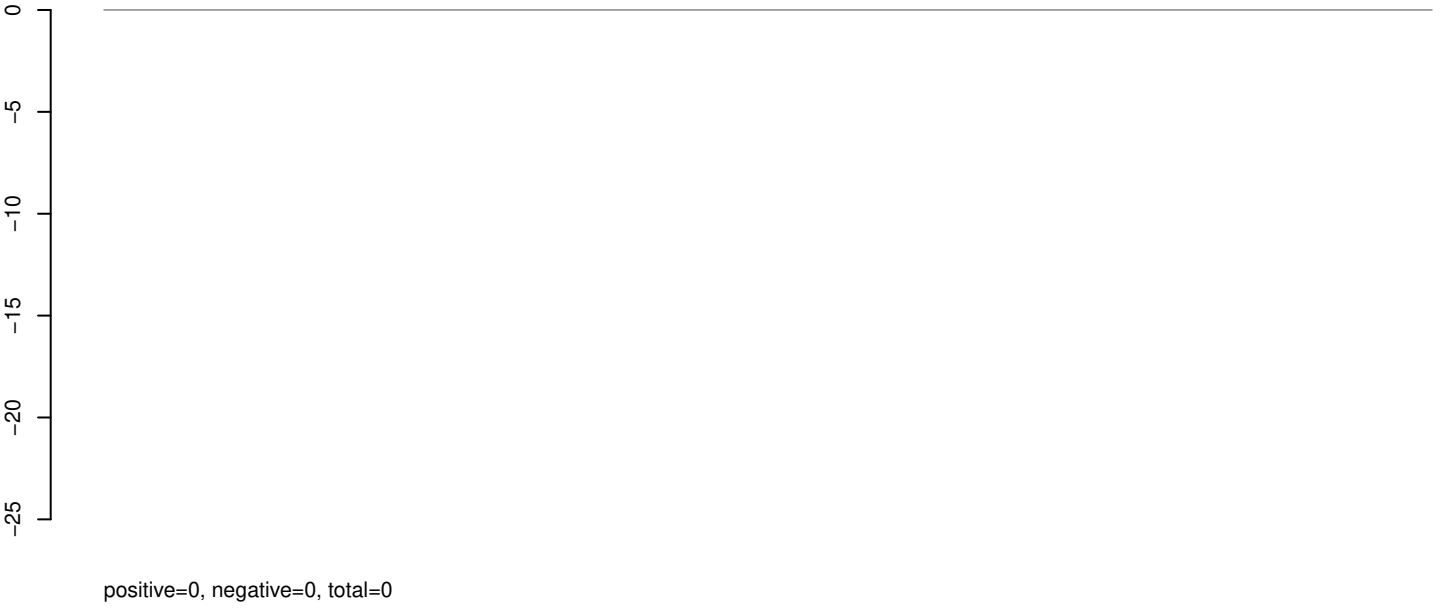
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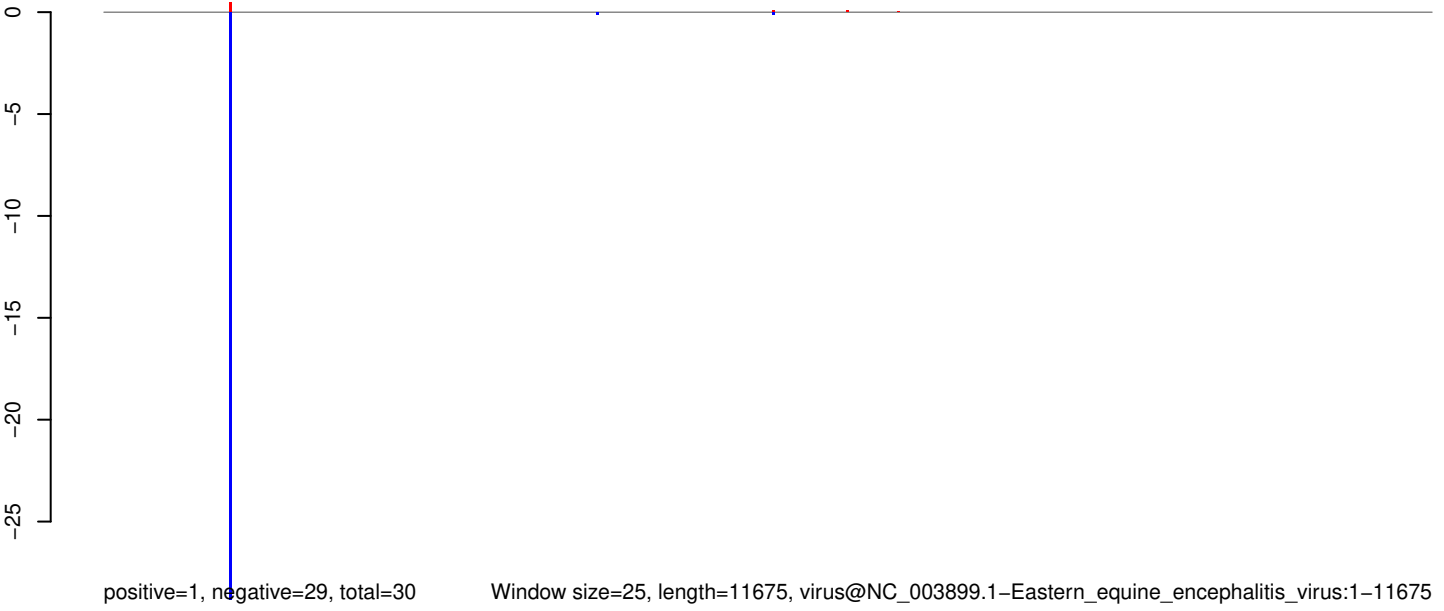
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**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



0 2000 4000 6000 8000 10000 12000

**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**

positive=7, negative=0, total=7

**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

positive=0, negative=0, total=0

**AeAeg\_Aag2SINV\_dsPiwi5.rep**

positive=7, negative=0, total=7

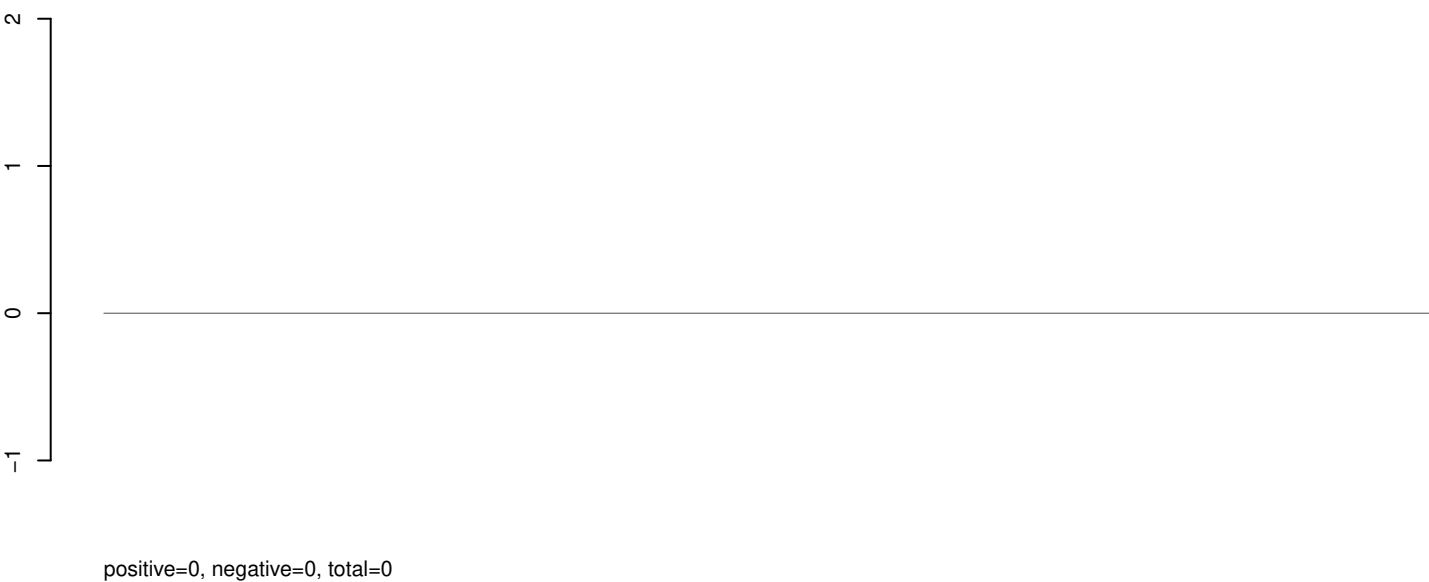
Window size=25, length=11411, virus@NC\_003417.1-Mayaro\_virus:1-11411

0 2000 4000 6000 8000 10000

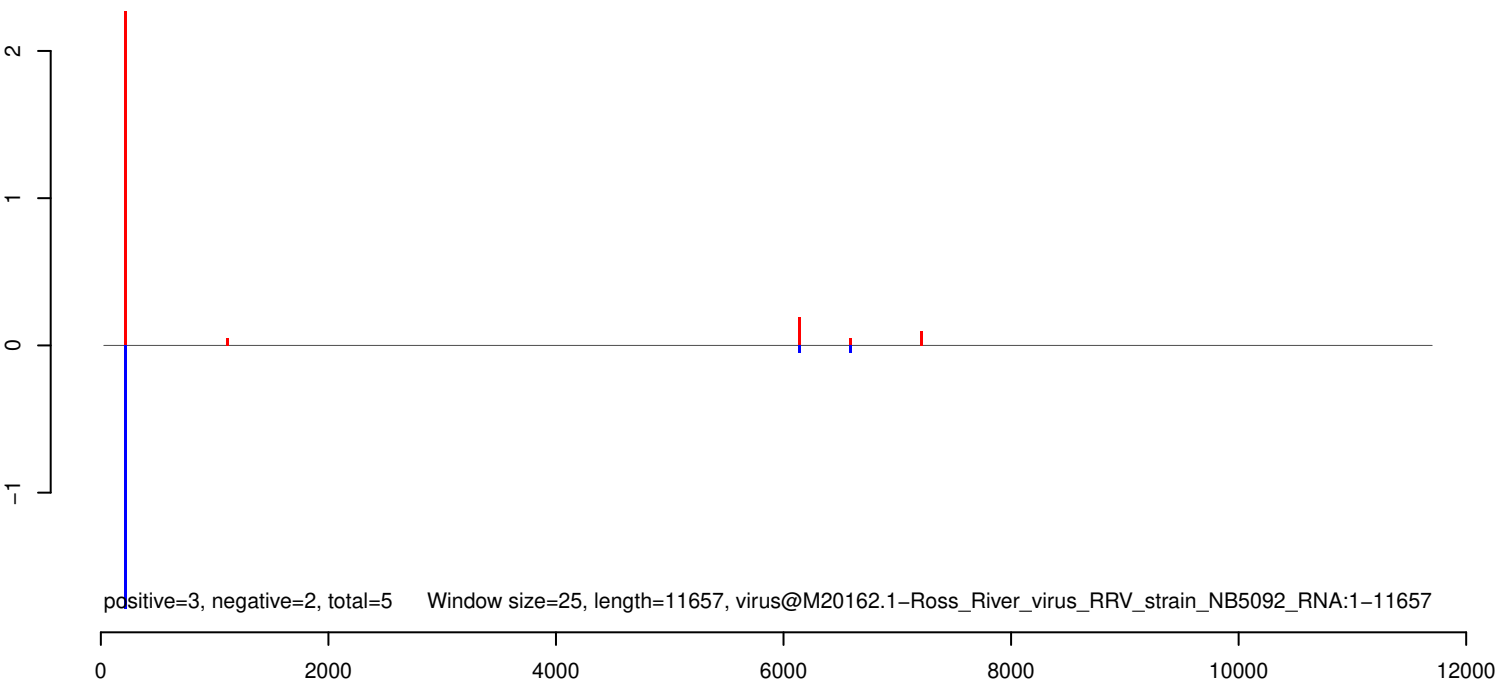
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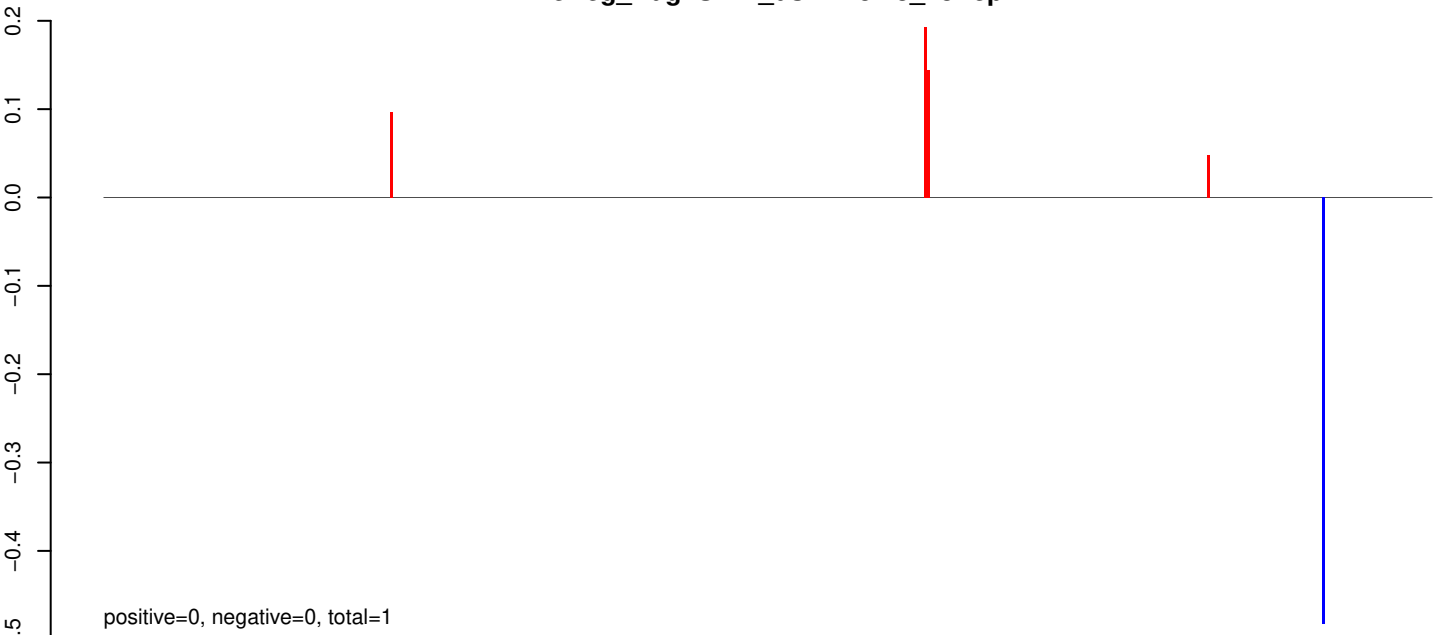
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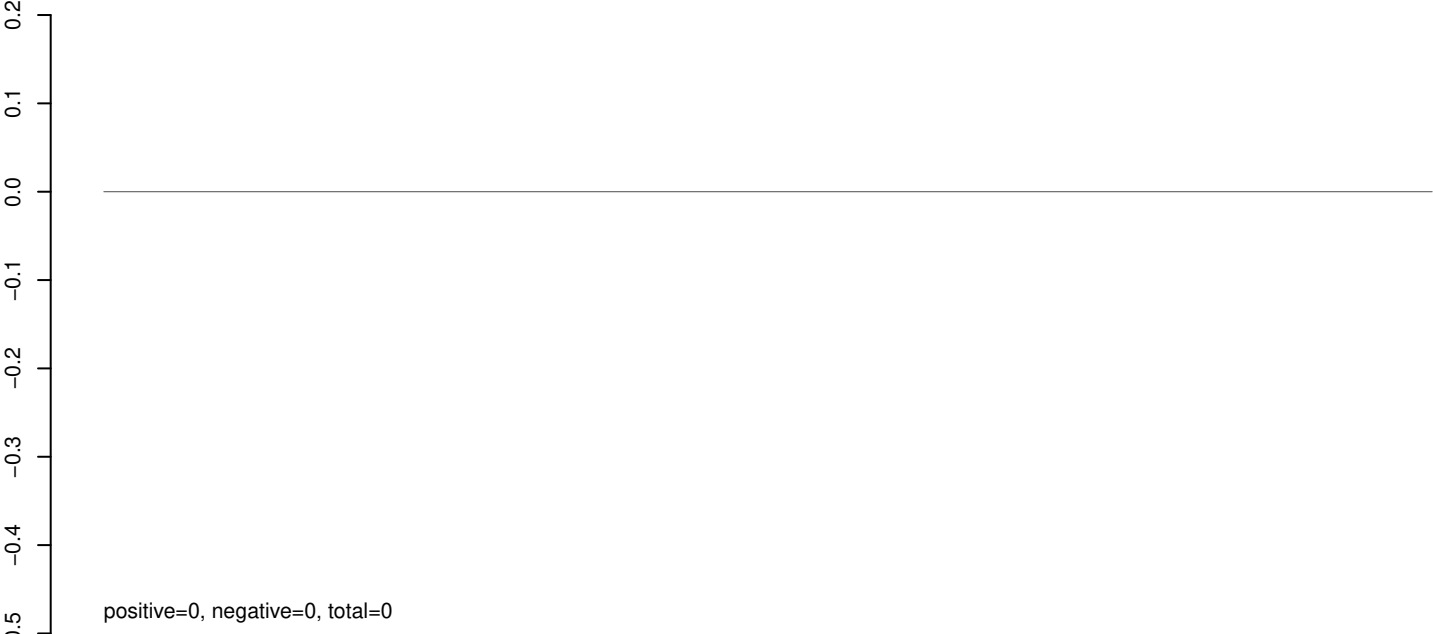
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



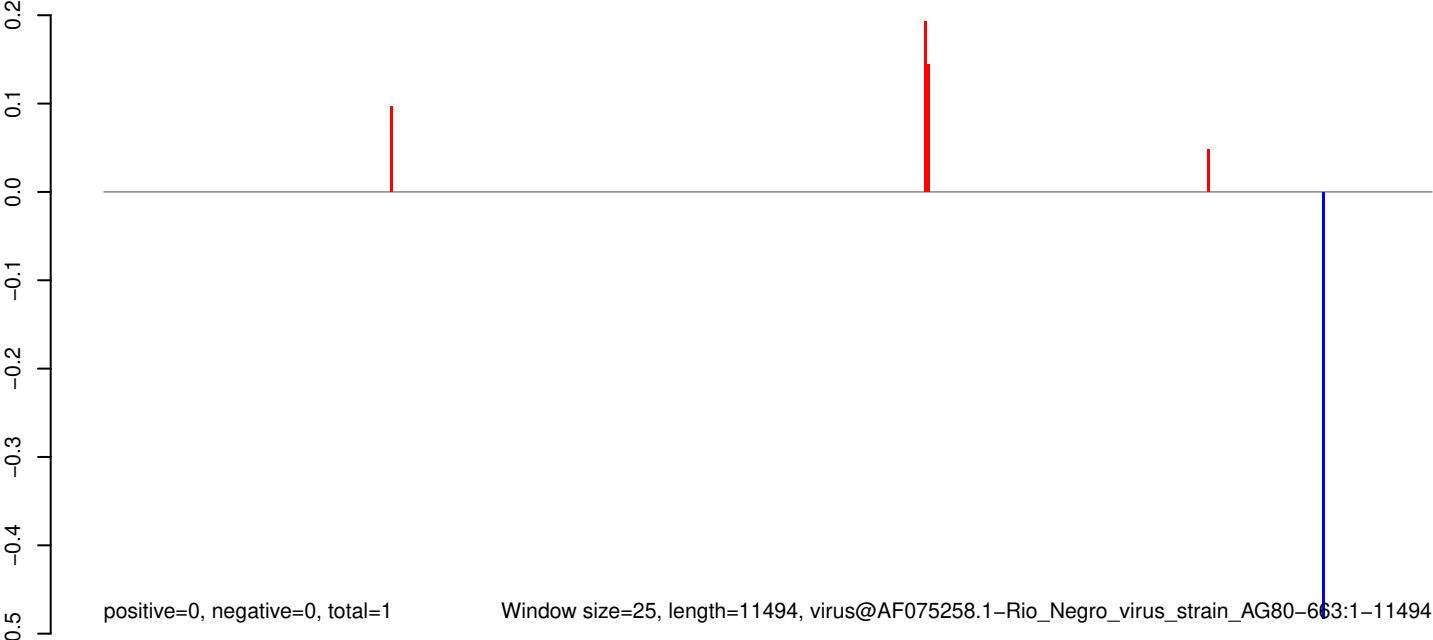
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



positive=0, negative=0, total=0

**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

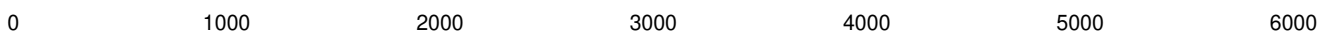


positive=2, negative=5, total=8

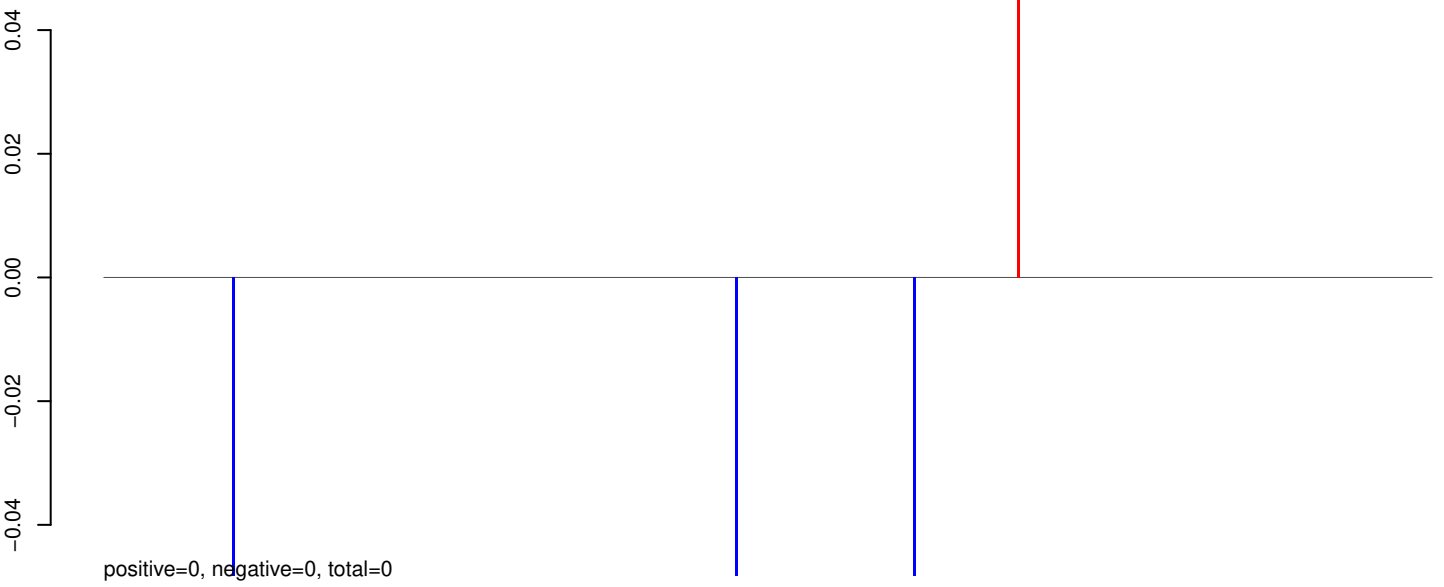
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



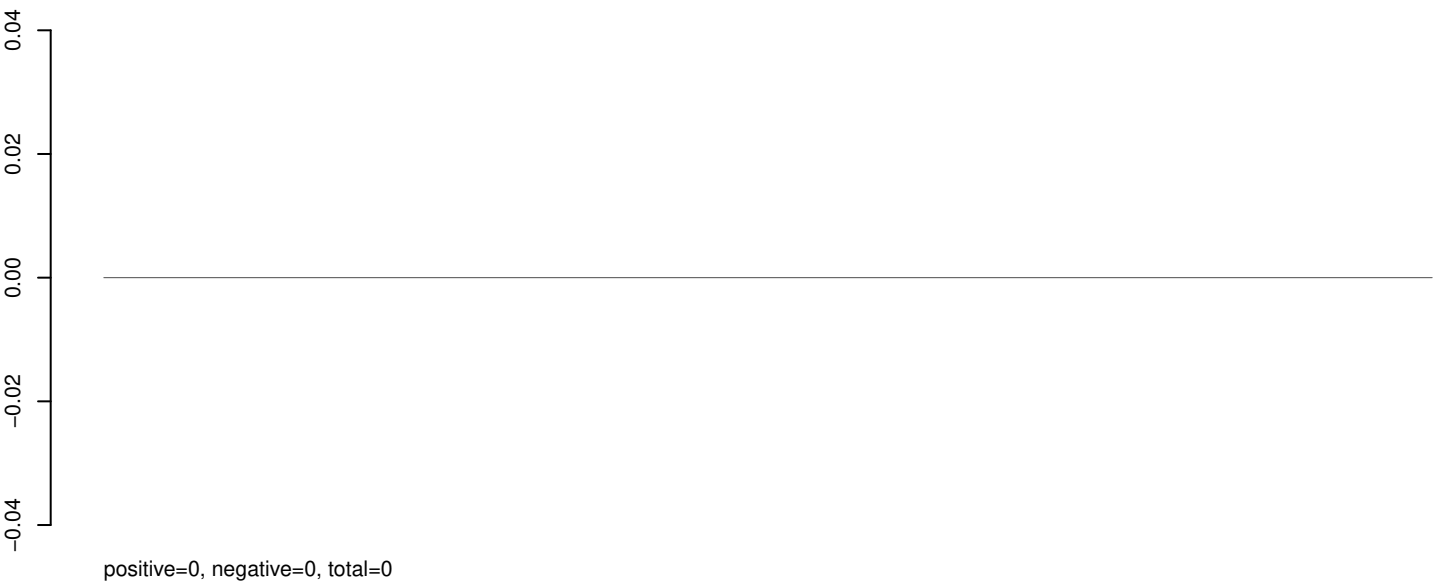
positive=3, negative=5, total=8, window size=25, length=6203, virus@NC\_035674.1-Australian\_Anopheles\_totivirus\_isolate\_AATV\_150840:1-6203



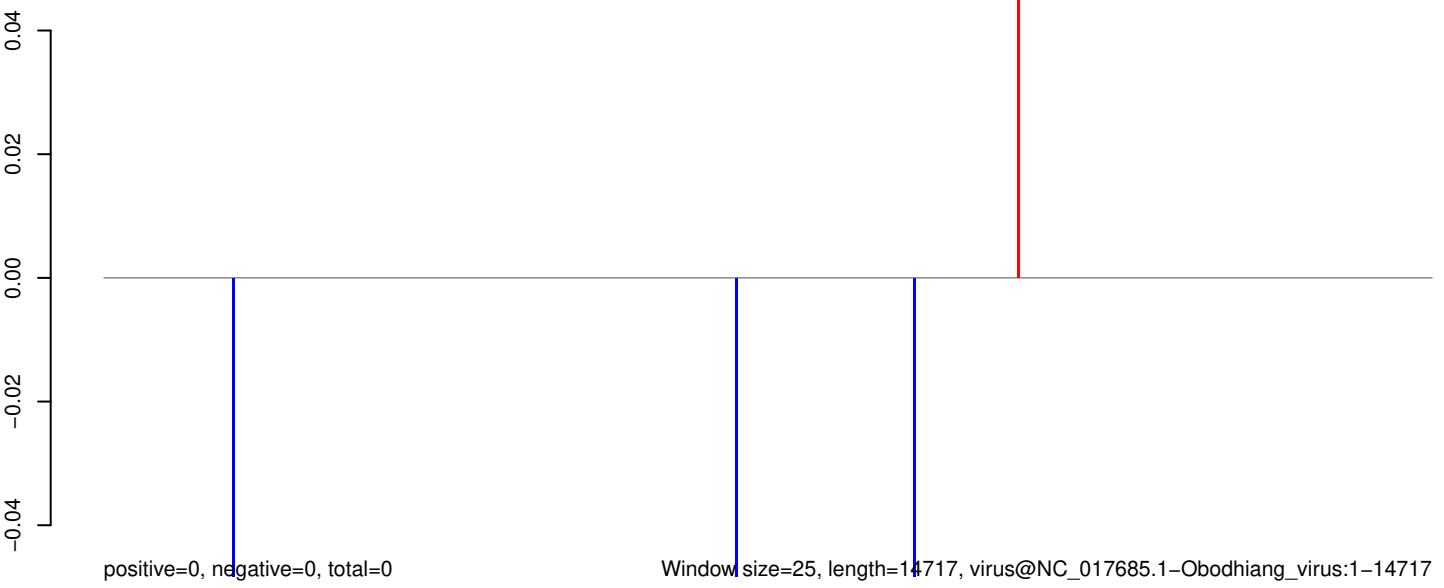
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



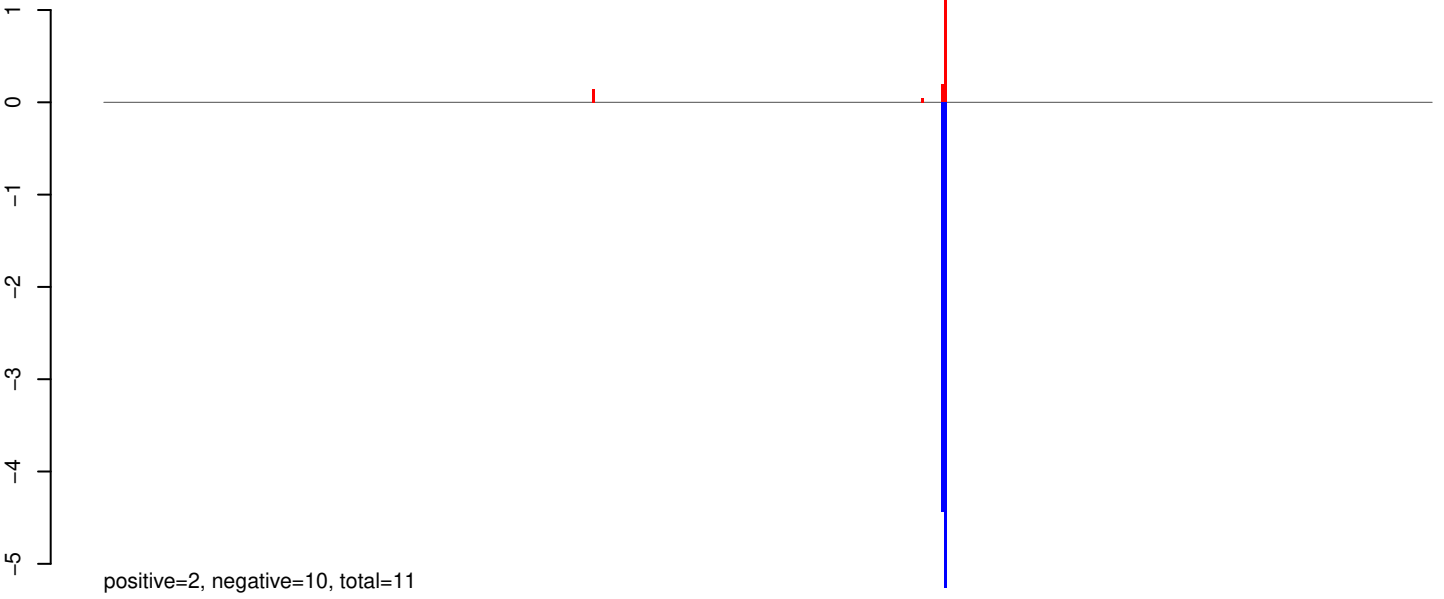
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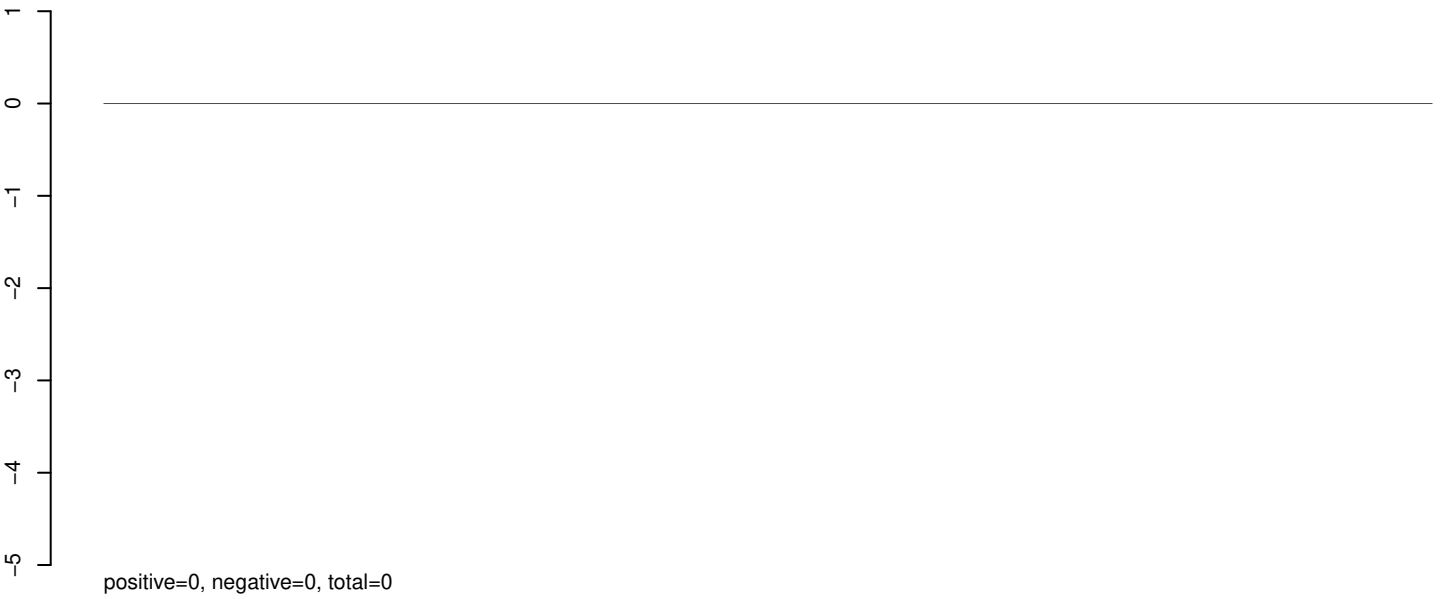
Window size=25, length=14717, virus@NC\_017685.1-Obodhiang\_virus:1-14717

0 5000 10000 15000

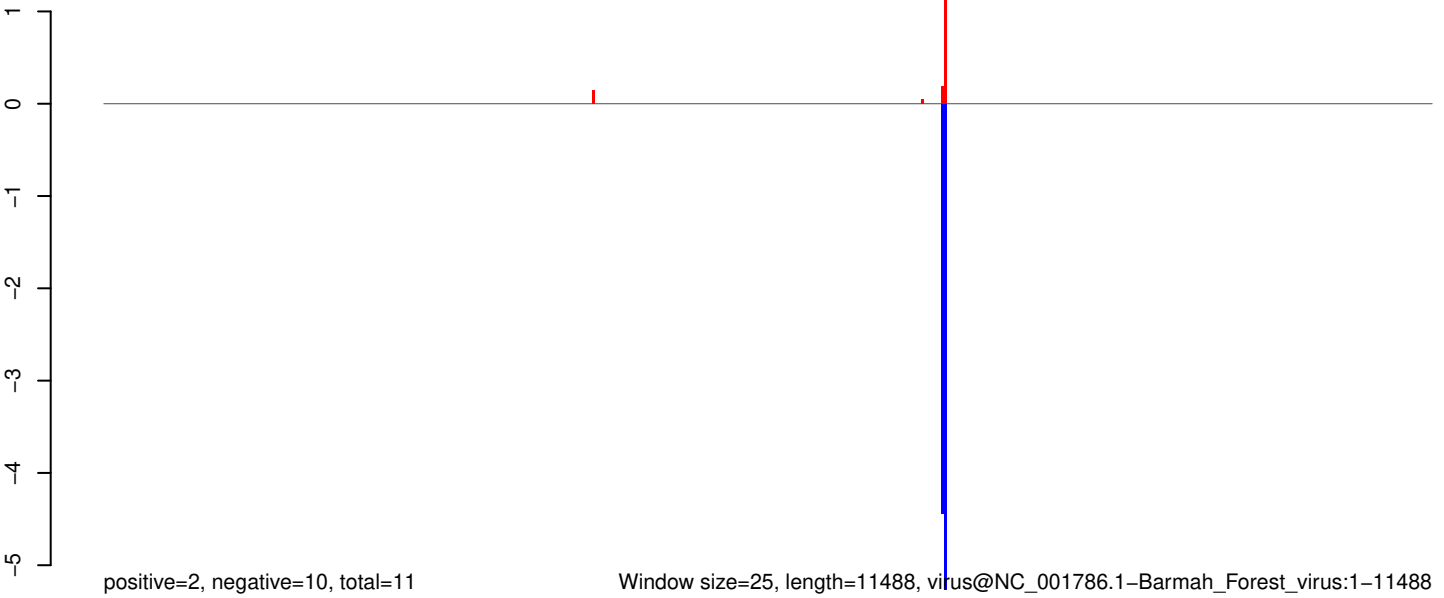
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



Window size=25, length=11488, virus@NC\_001786.1-Barmah\_Forest\_virus:1-11488

0 2000 4000 6000 8000 10000



**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**

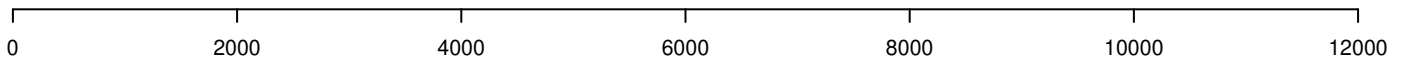
positive=7, negative=1, total=7

**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

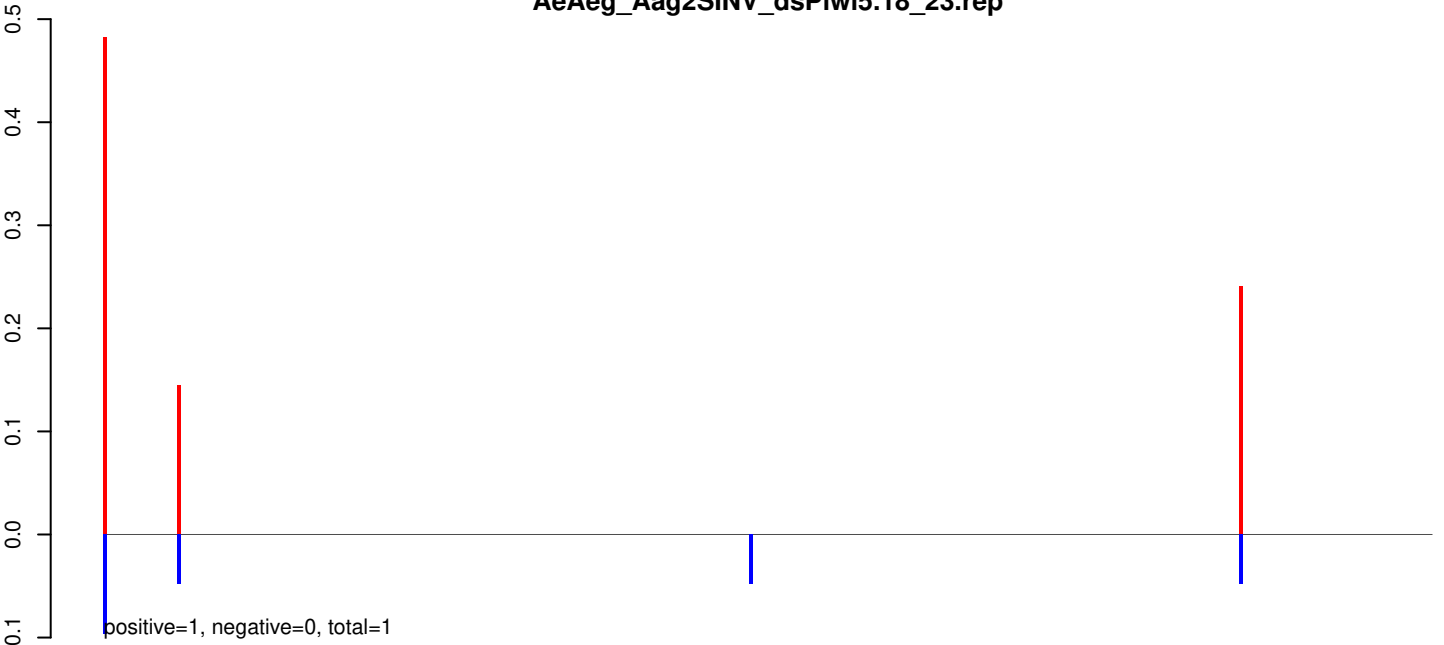
positive=0, negative=0, total=0

**AeAeg\_Aag2SINV\_dsPiwi5.rep**

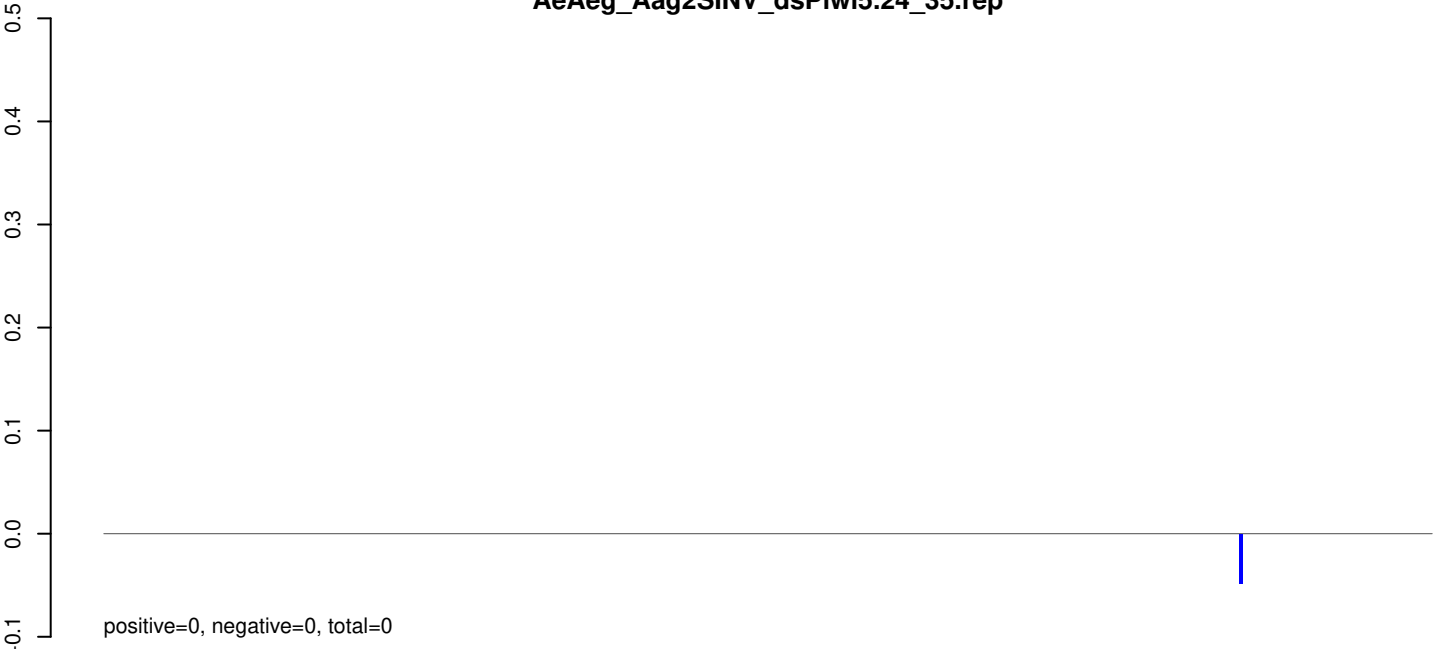
positive=7, negative=1, total=7, window size=25, length=11835, virus@M20303.1-O-Nyong-nyong\_virus\_Gulu\_strain\_complete\_genome:1-11835



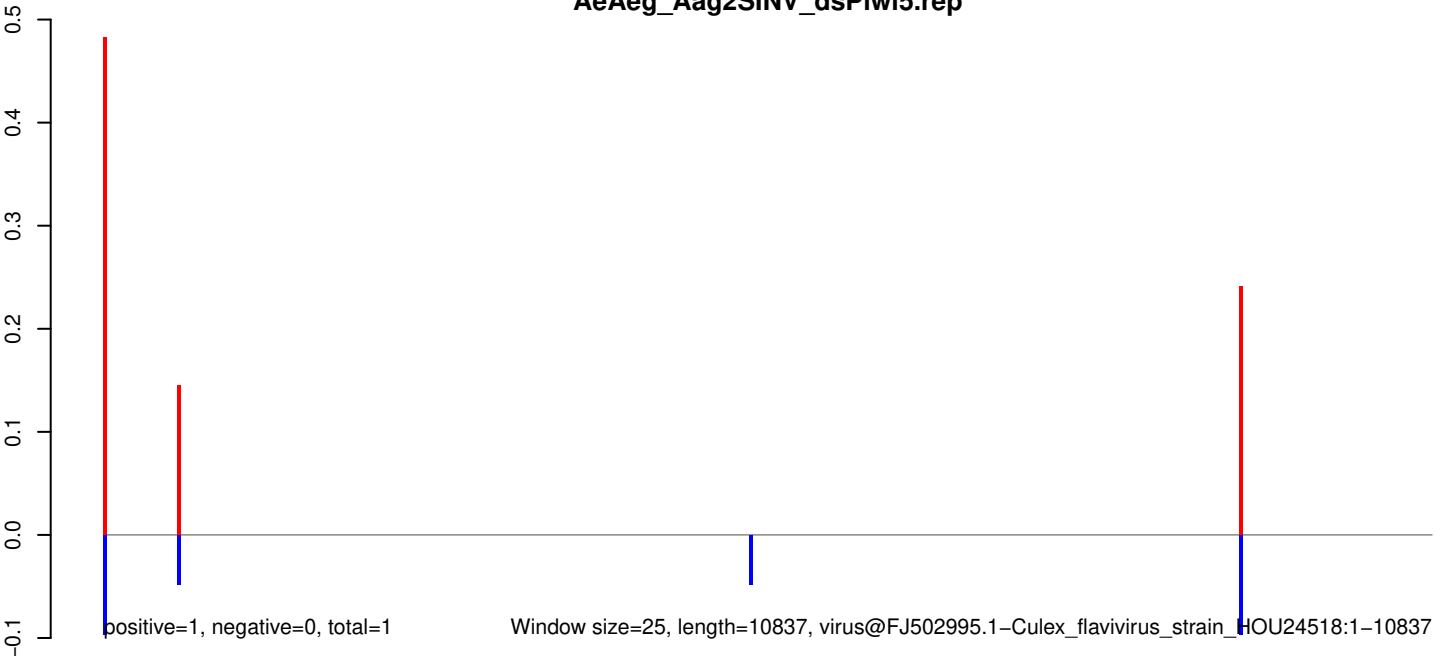
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**

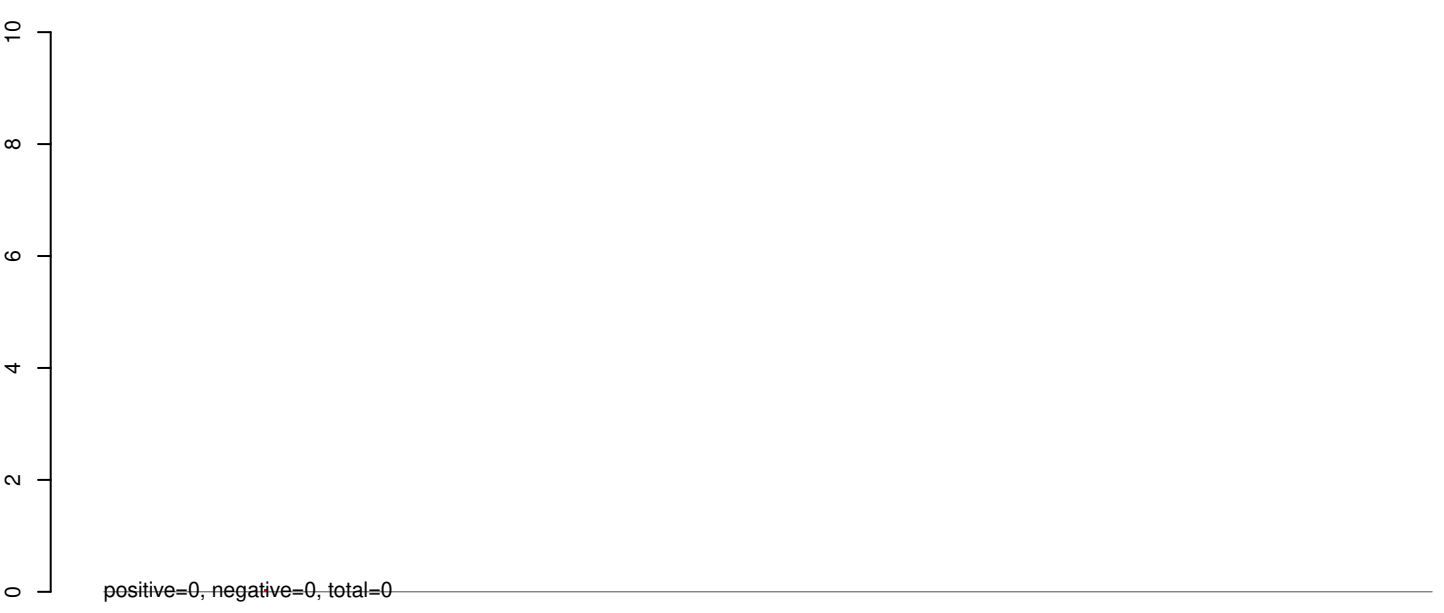


Window size=25, length=10837, virus@FJ502995.1-Culex\_flavivirus\_strain\_HOU24518:1-10837

**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



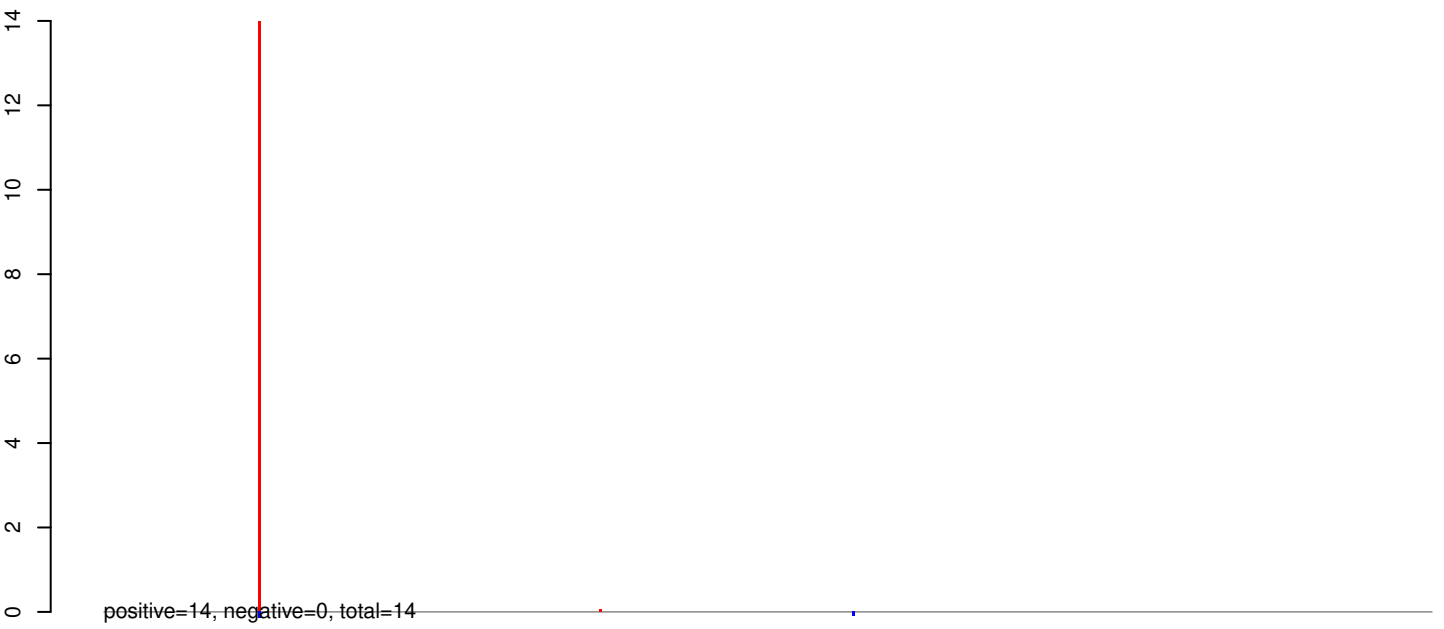
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



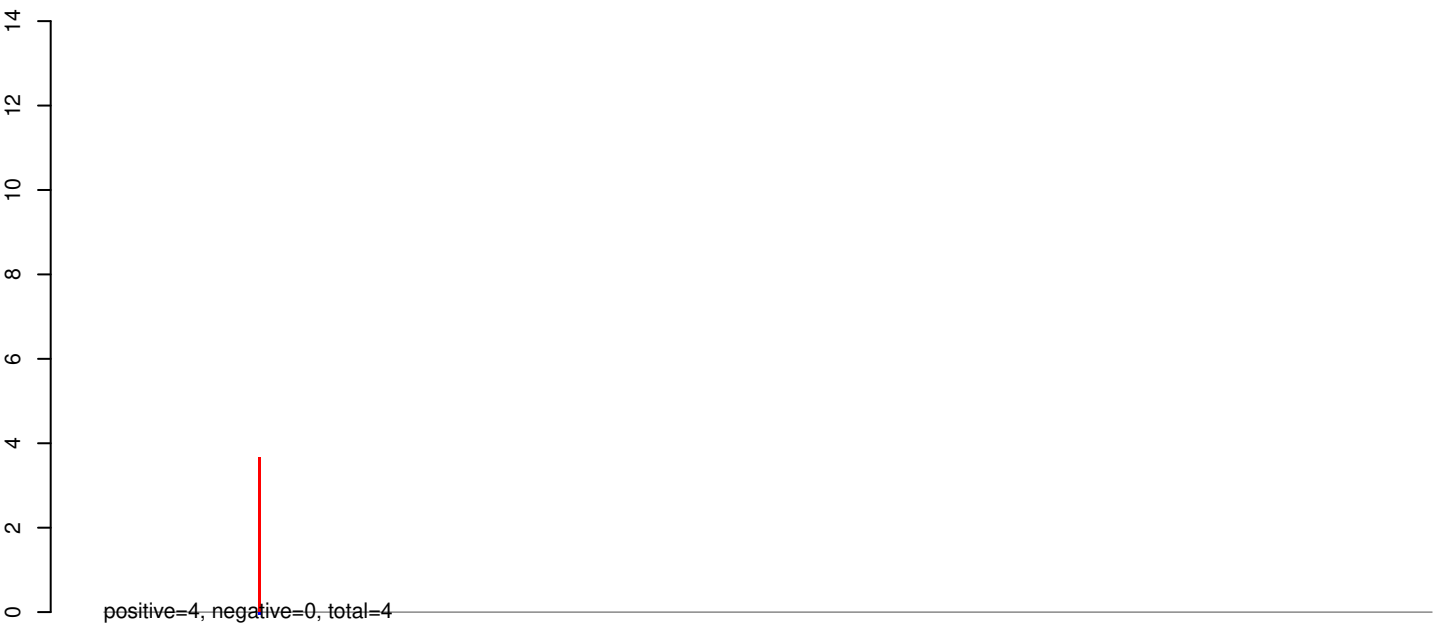
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

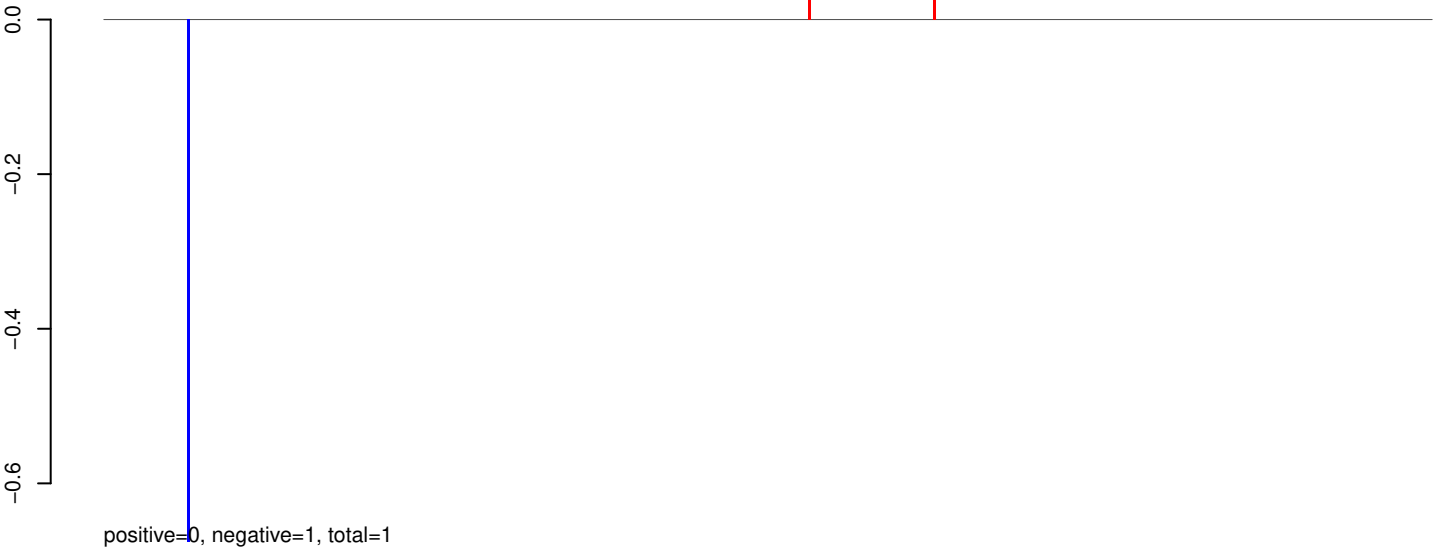


**AeAeg\_Aag2SINV\_dsPiwi5.rep**

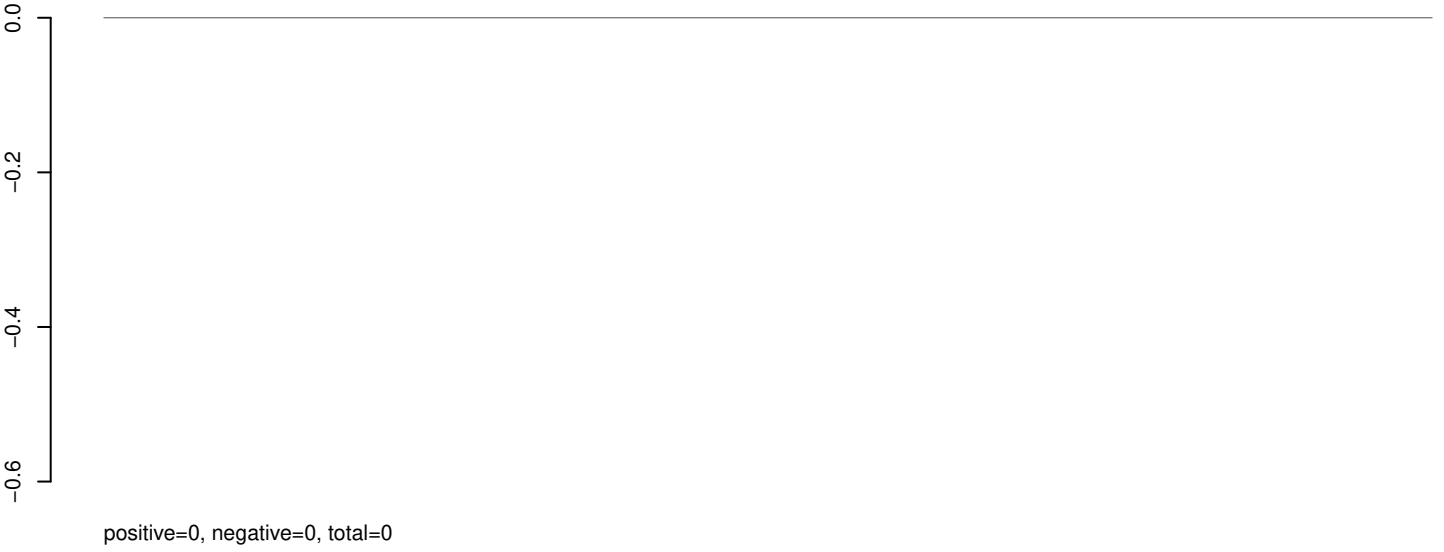


0 2000 4000 6000 8000 10000 12000  
positive=25, negative=0, total=25  
18-12072, virus@NC\_031319.1\_Wutai\_Mosquito\_Virus\_strain\_QN3-5\_nucleopasid\_protein\_N\_G\_L:1-12072

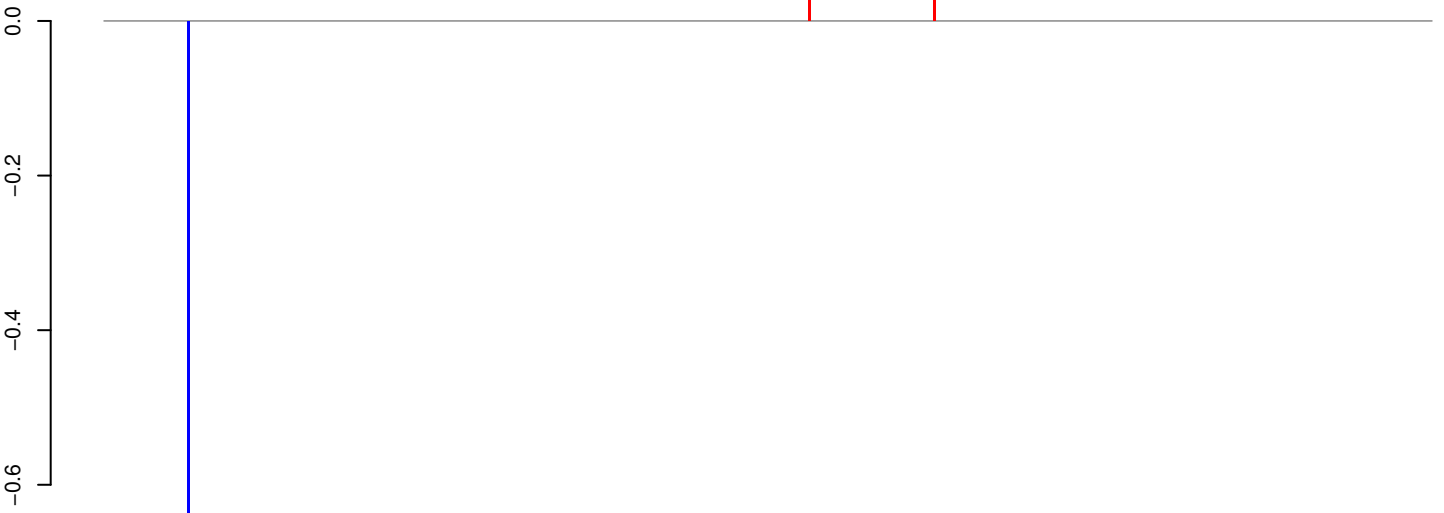
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

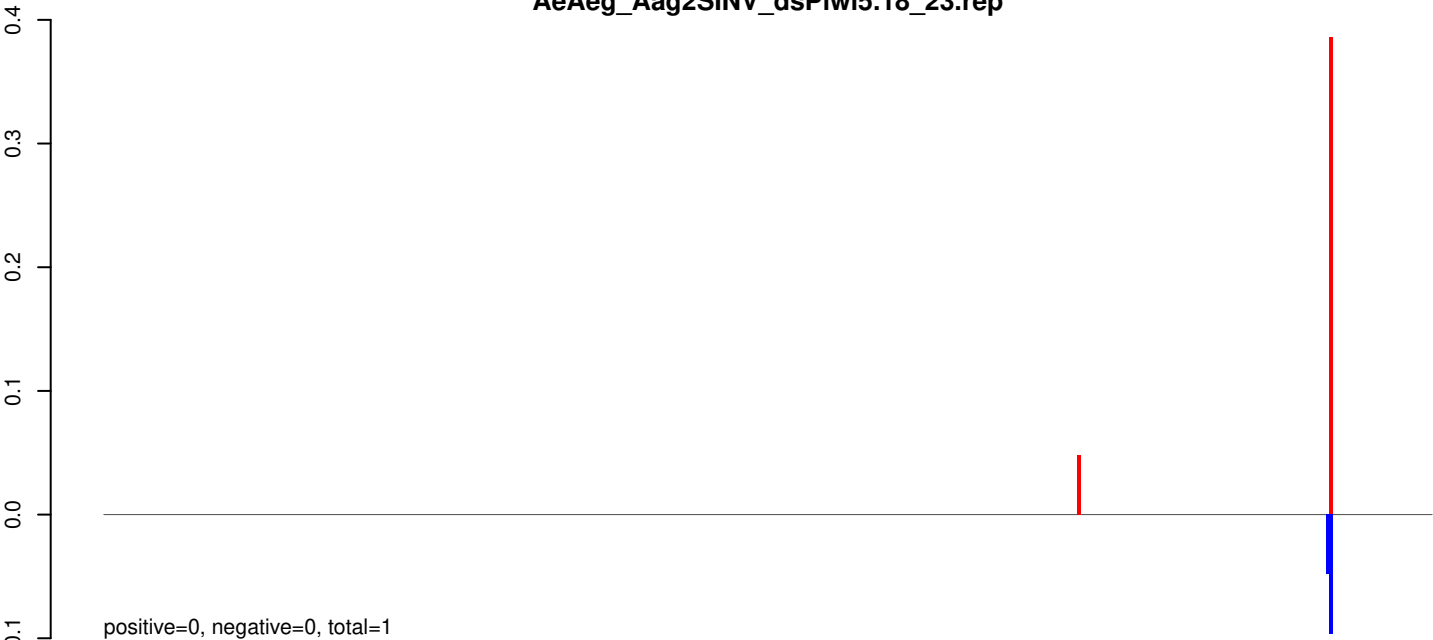


**AeAeg\_Aag2SINV\_dsPiwi5.rep**

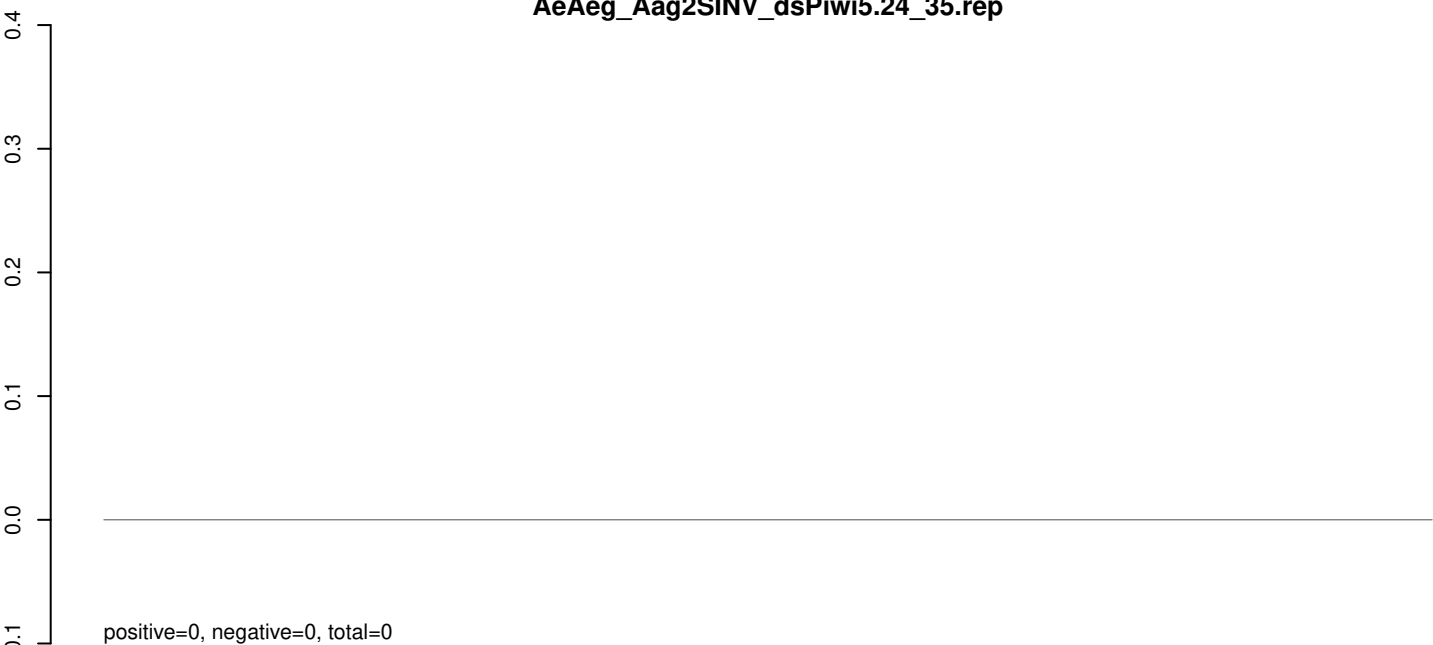


0 2000 4000 6000 8000 10000 12000

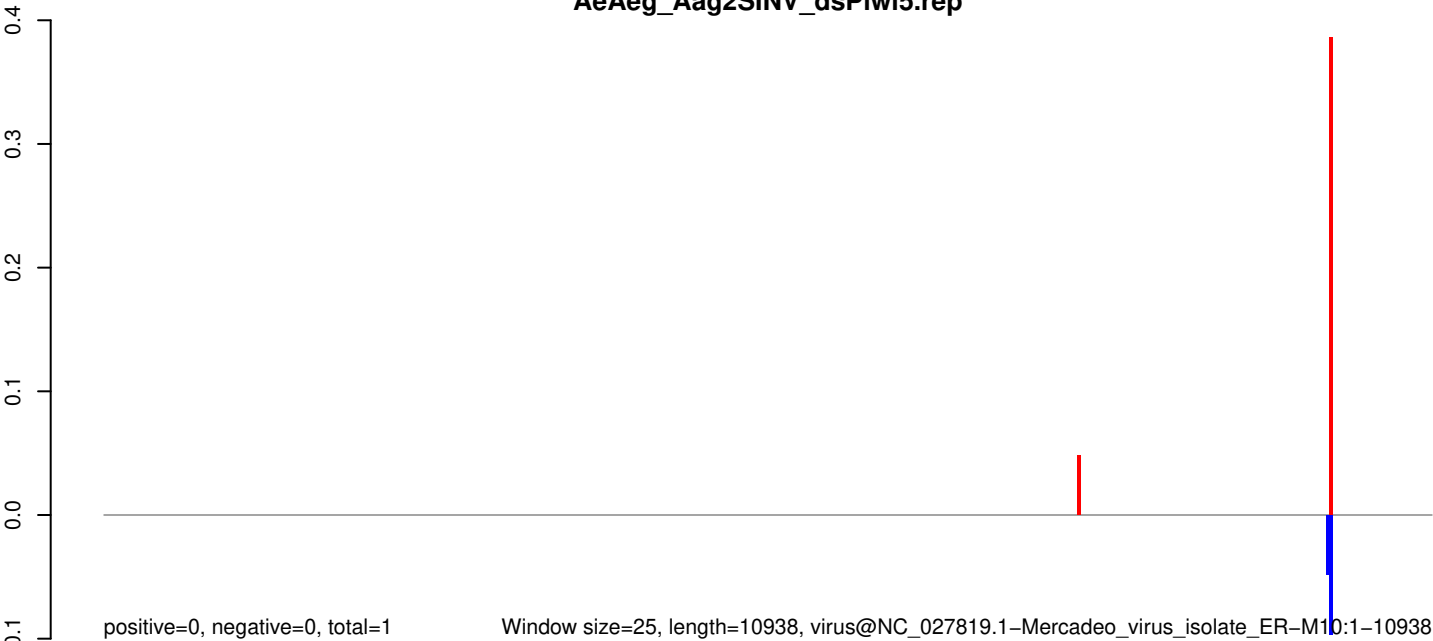
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



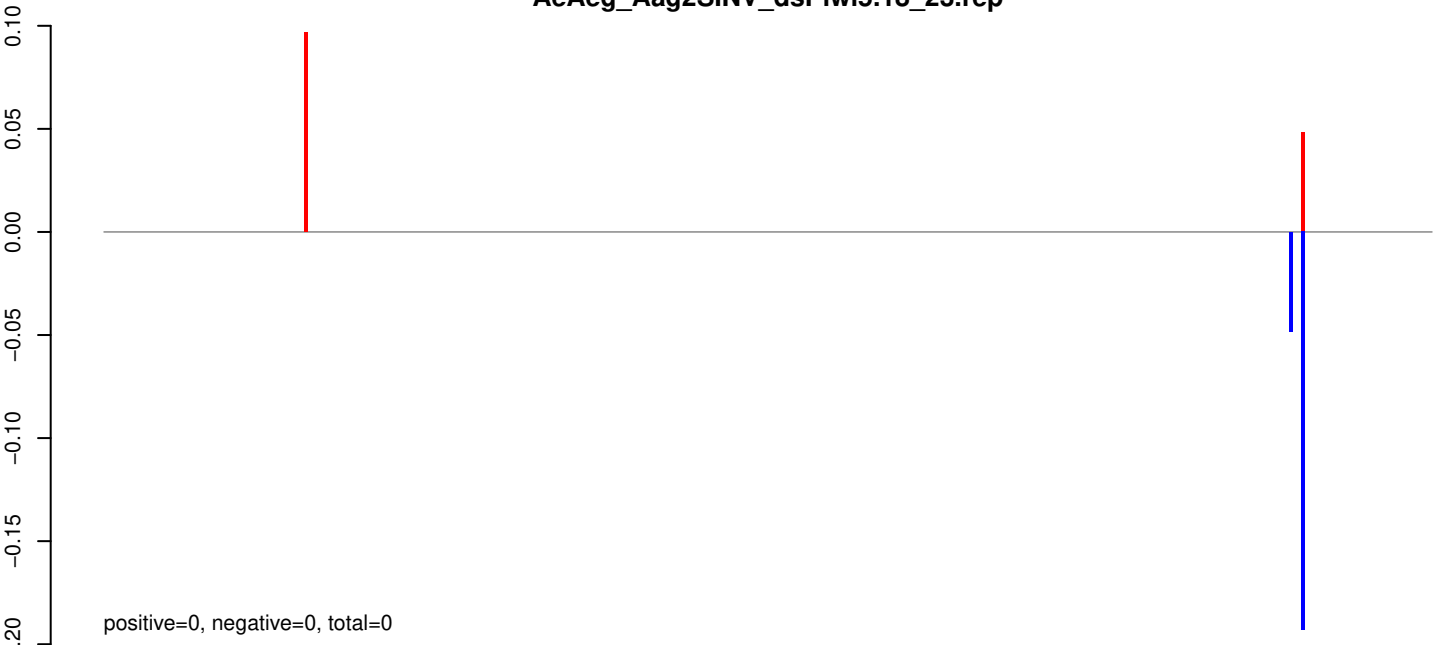
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



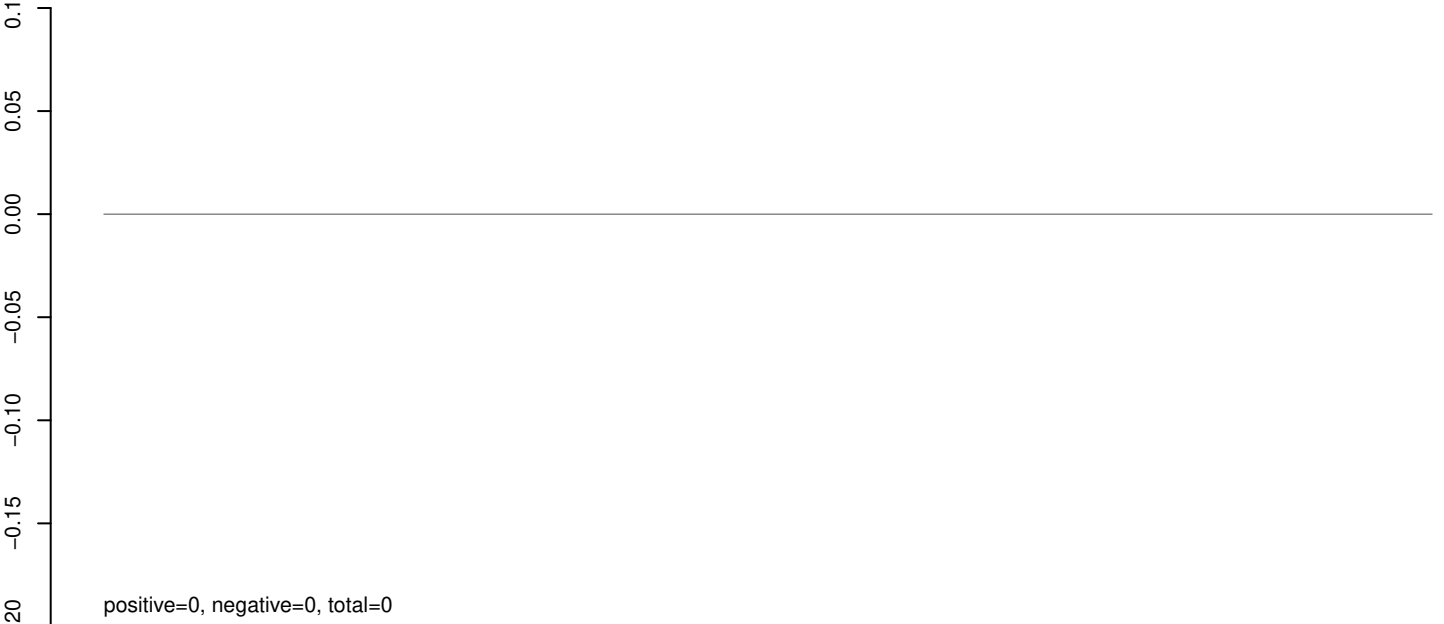
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



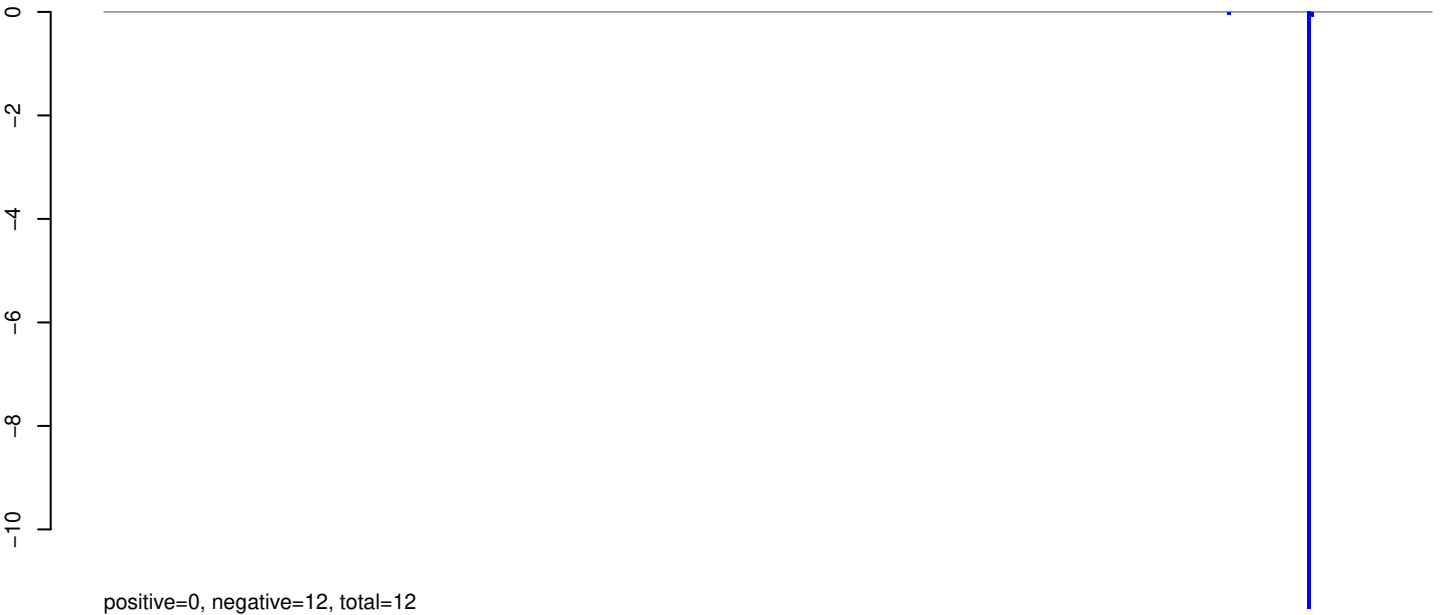
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



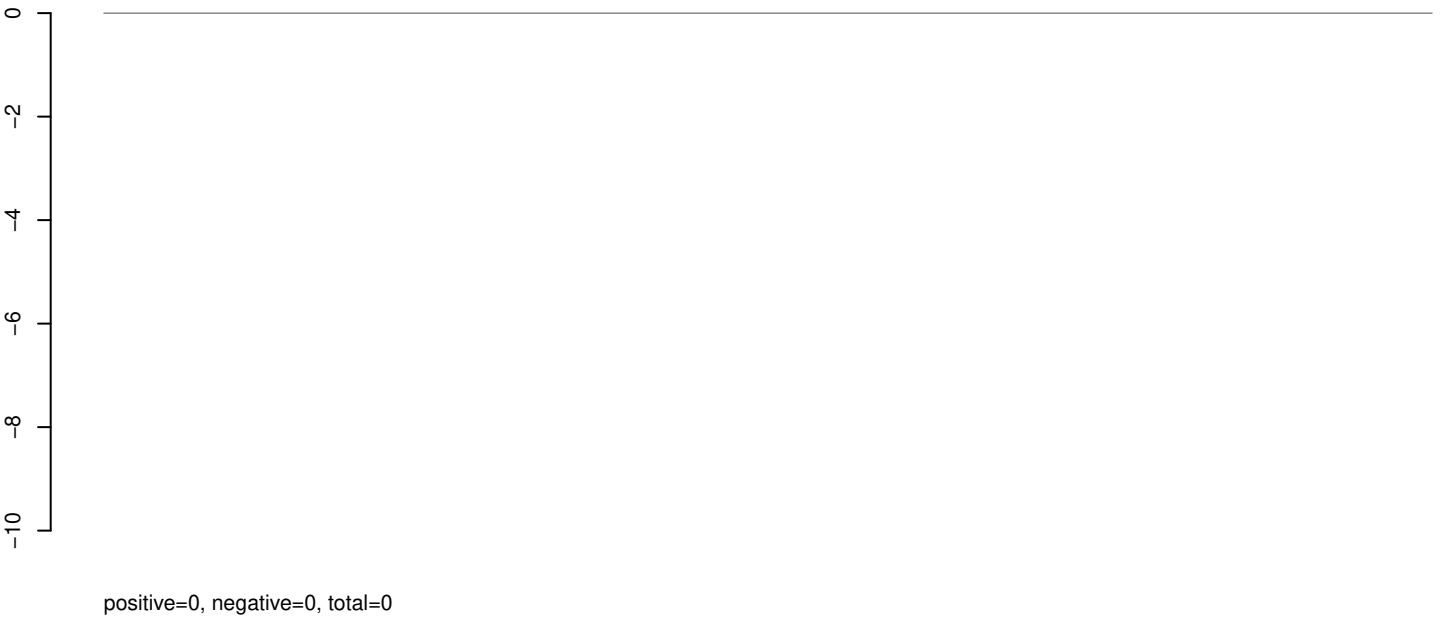
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**

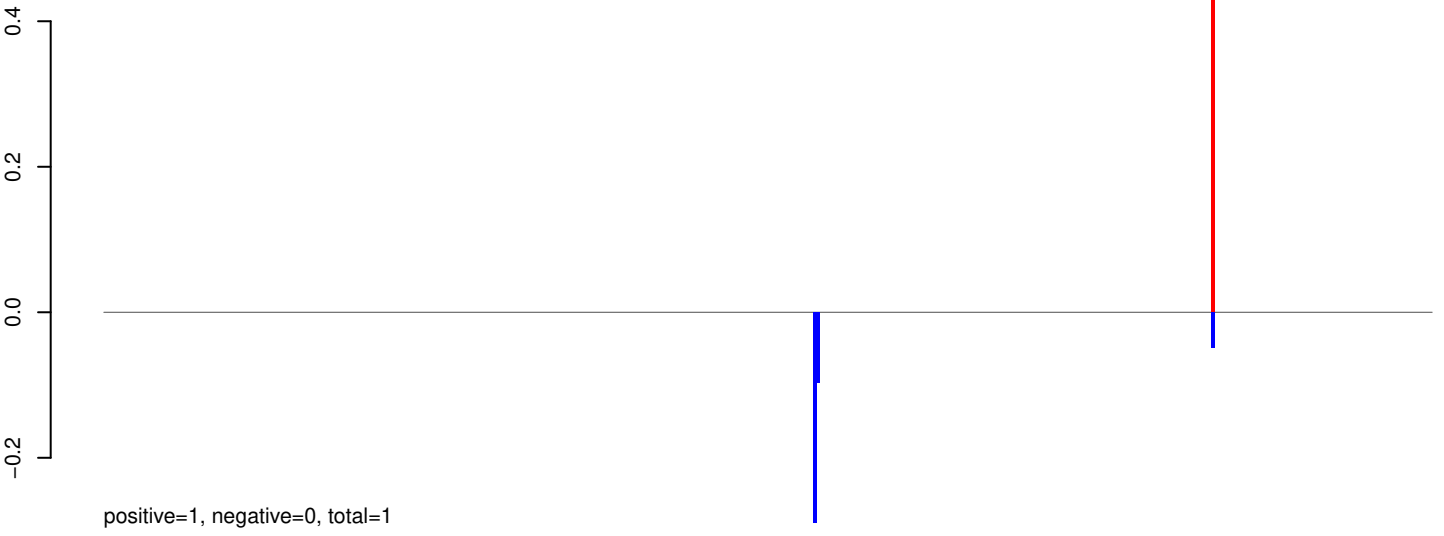


Window size=25, length=10874, virus@NC\_009029.2-Kokobera\_virus:1-10874

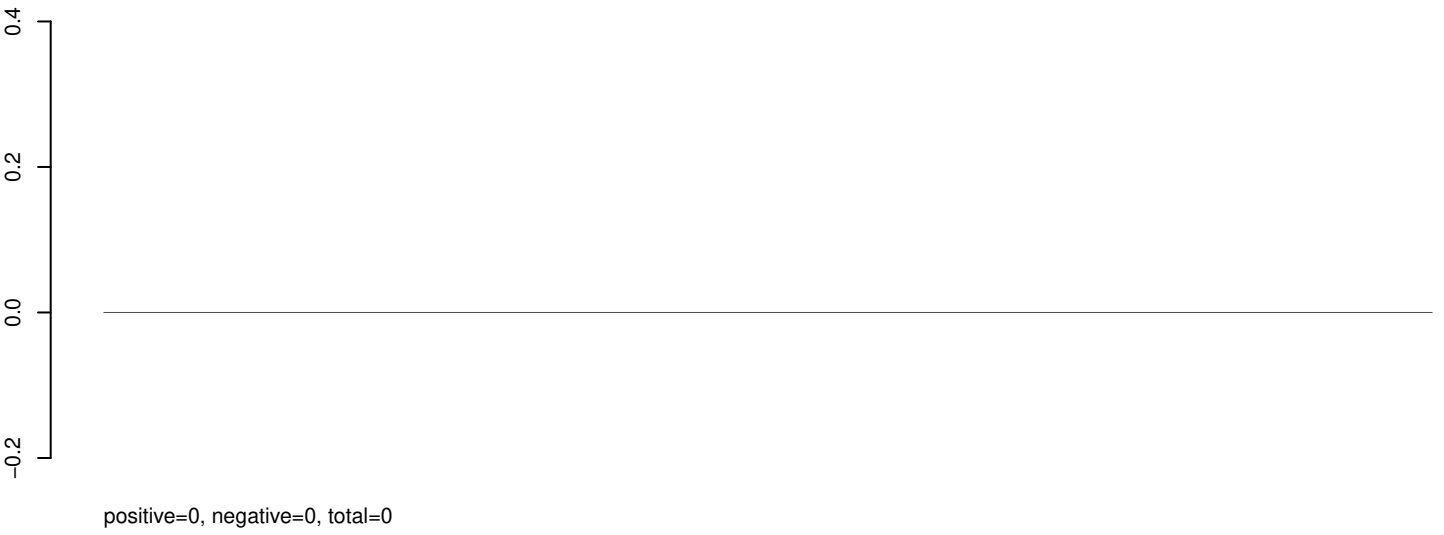
0 2000 4000 6000 8000 10000



**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



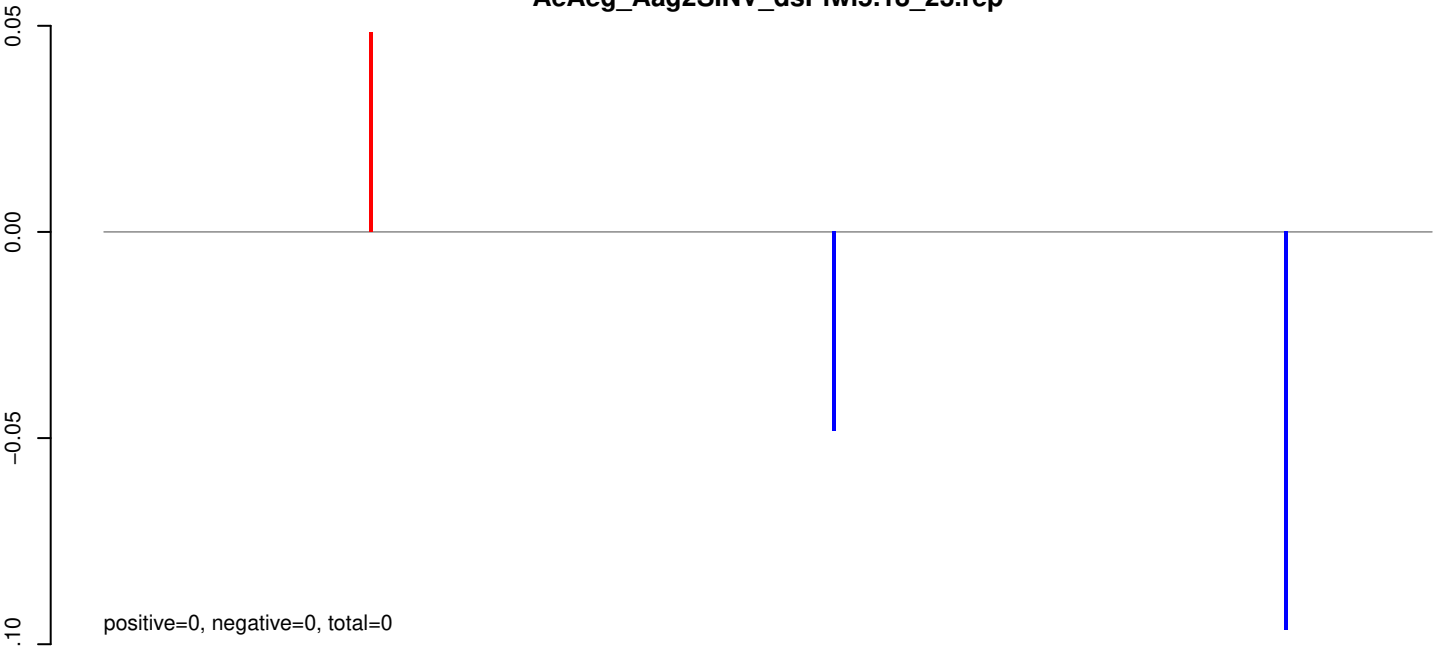
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



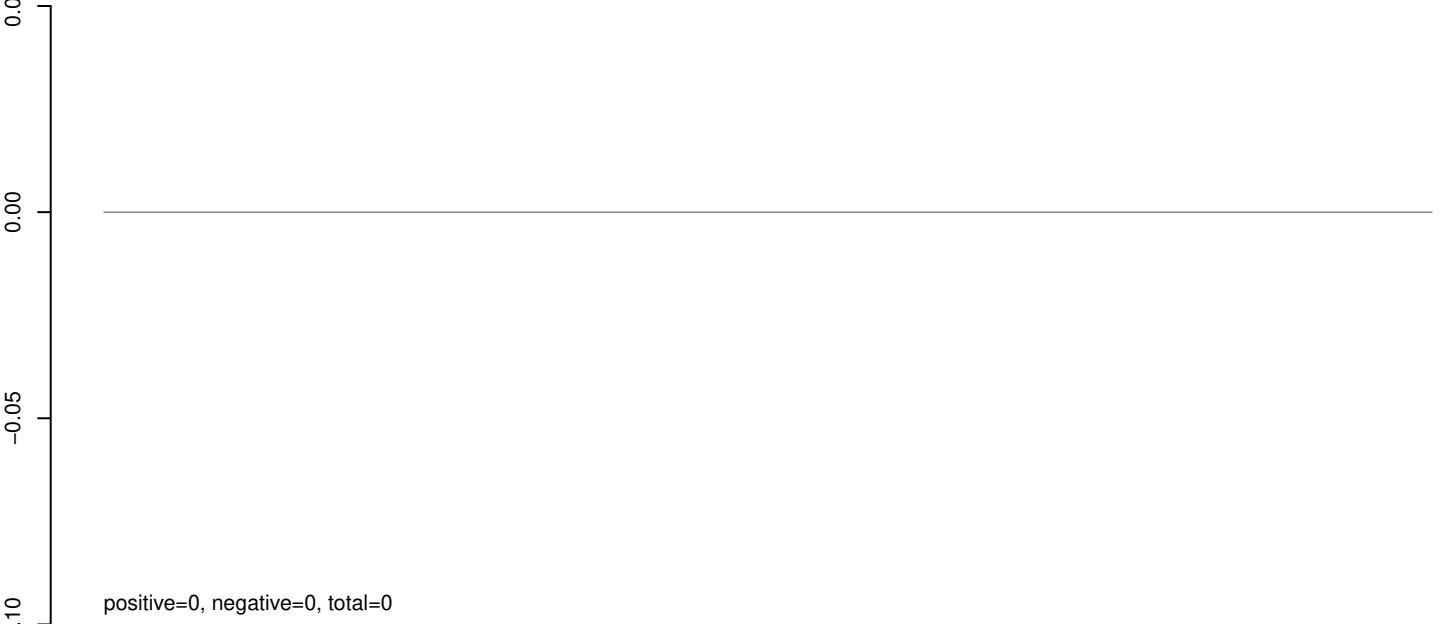
Window size=25, length=10839, virus@NC\_003687.1-Powassan\_virus:1-10839

0 2000 4000 6000 8000 10000

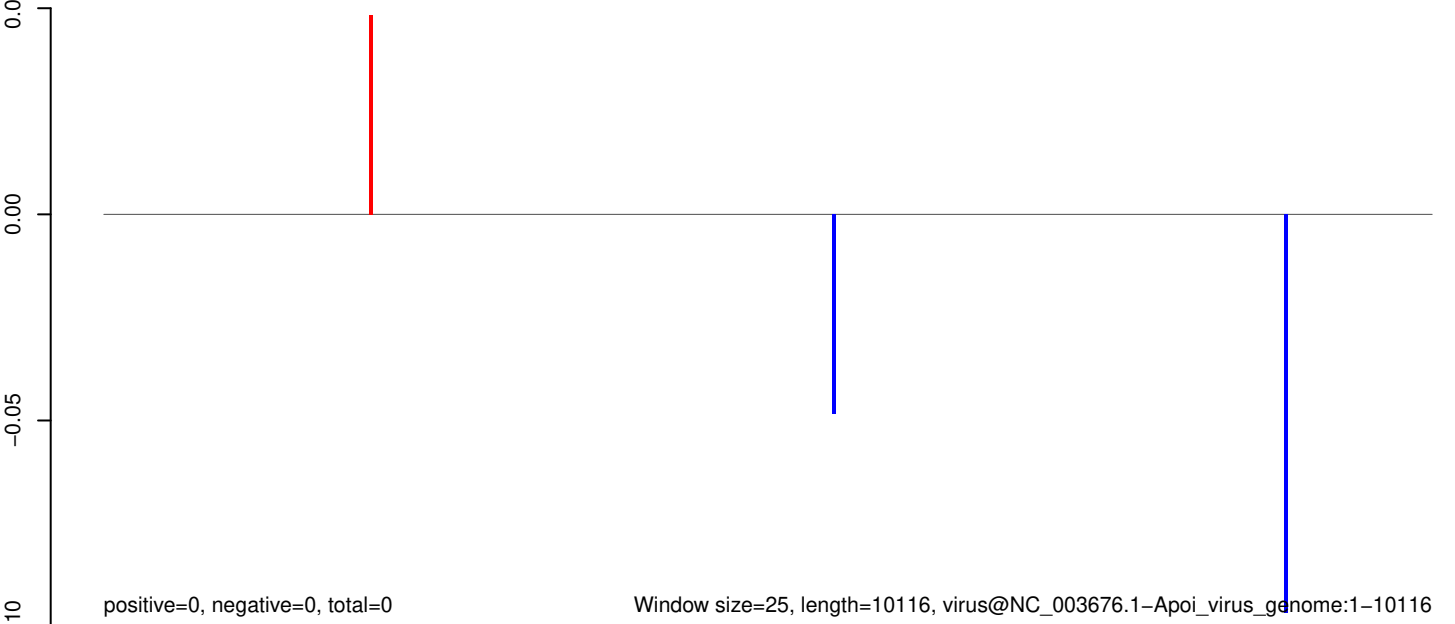
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



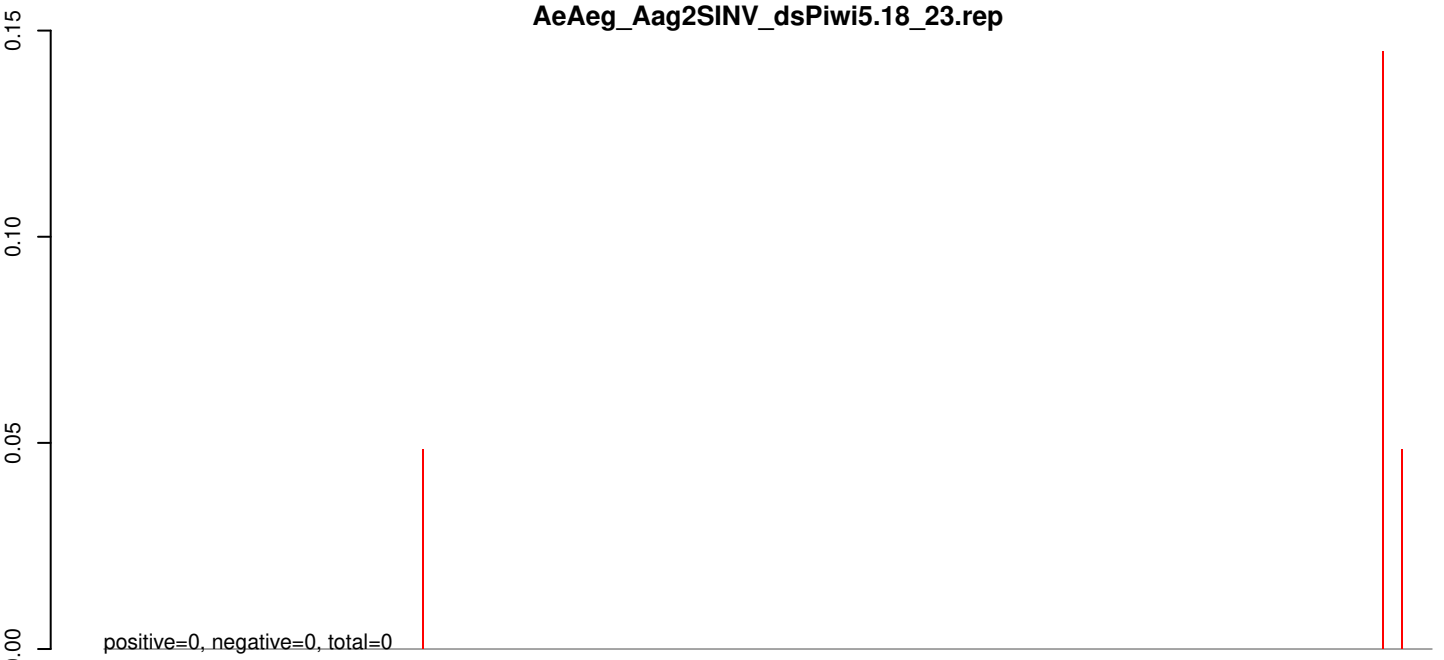
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



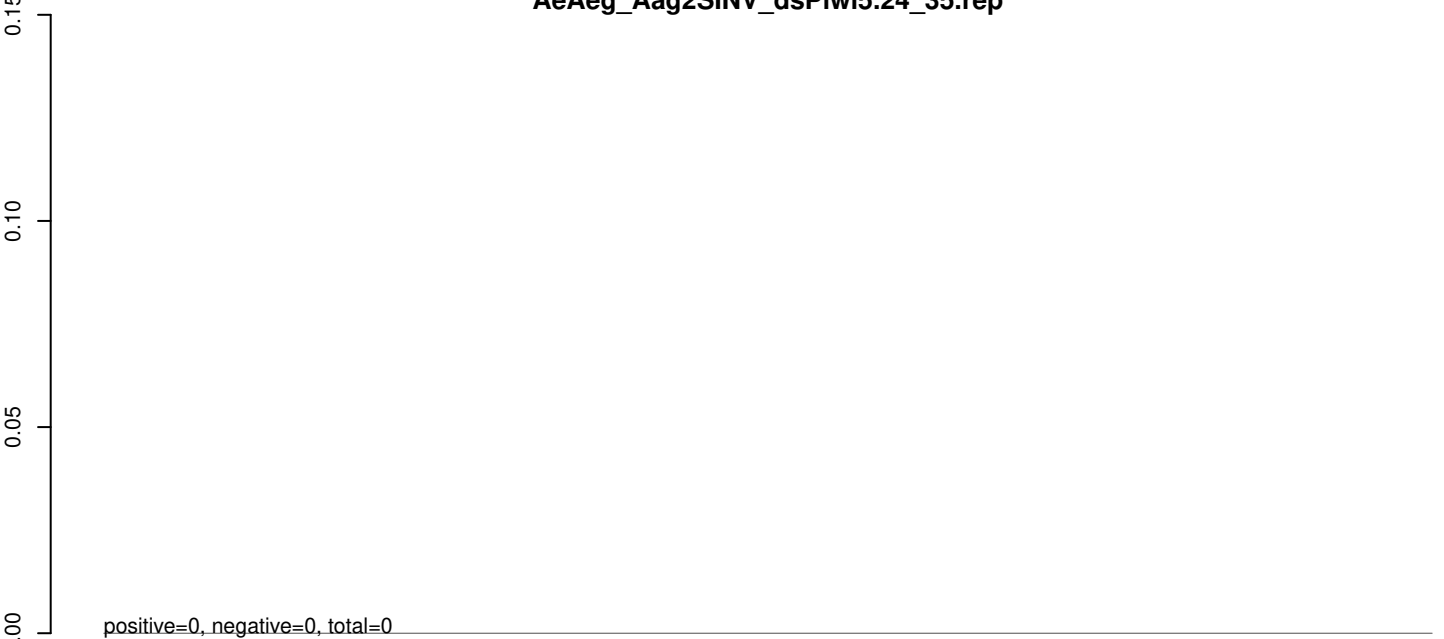
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



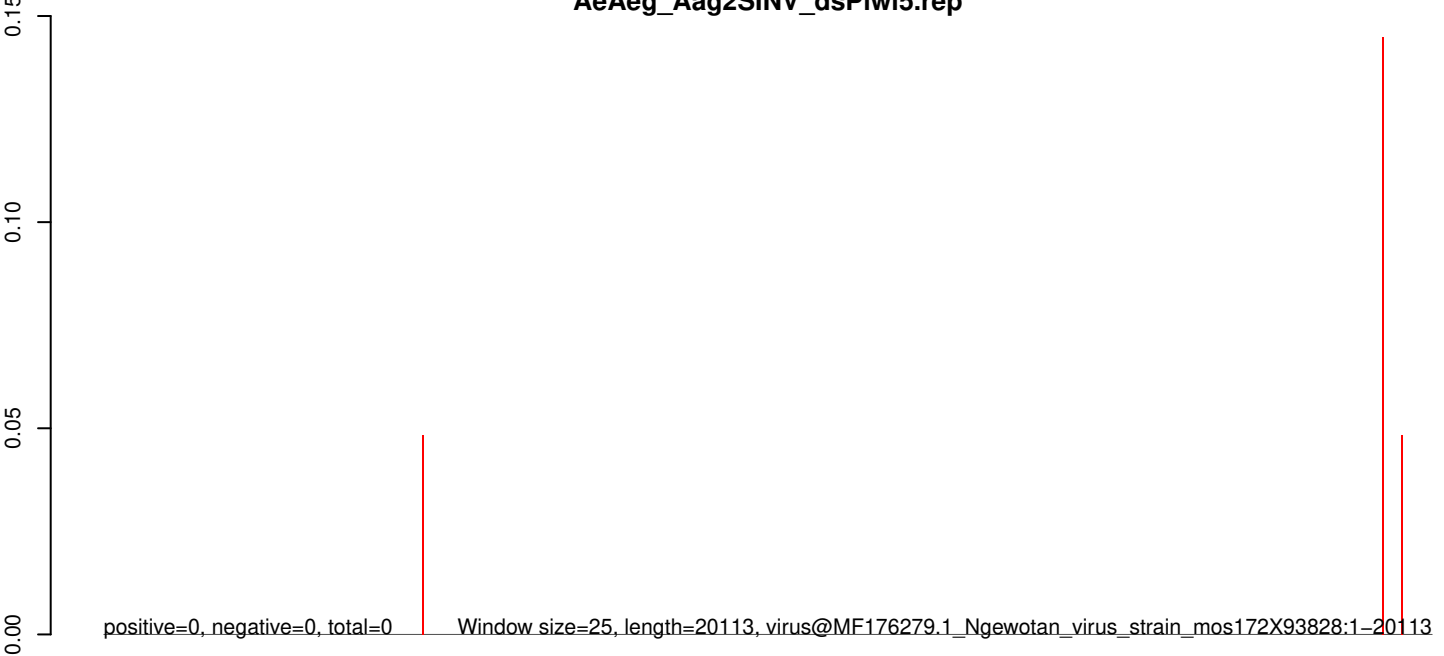
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



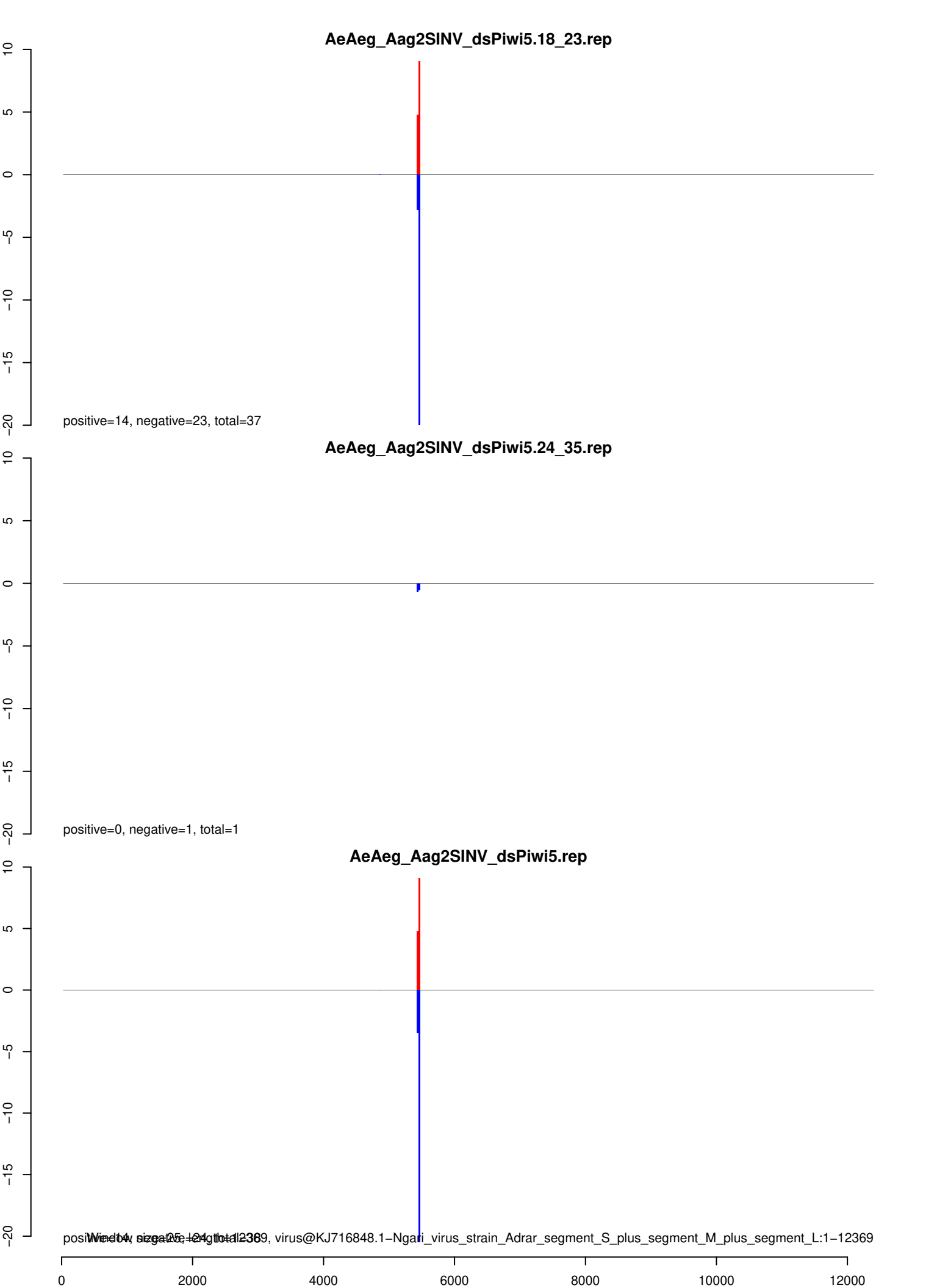
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



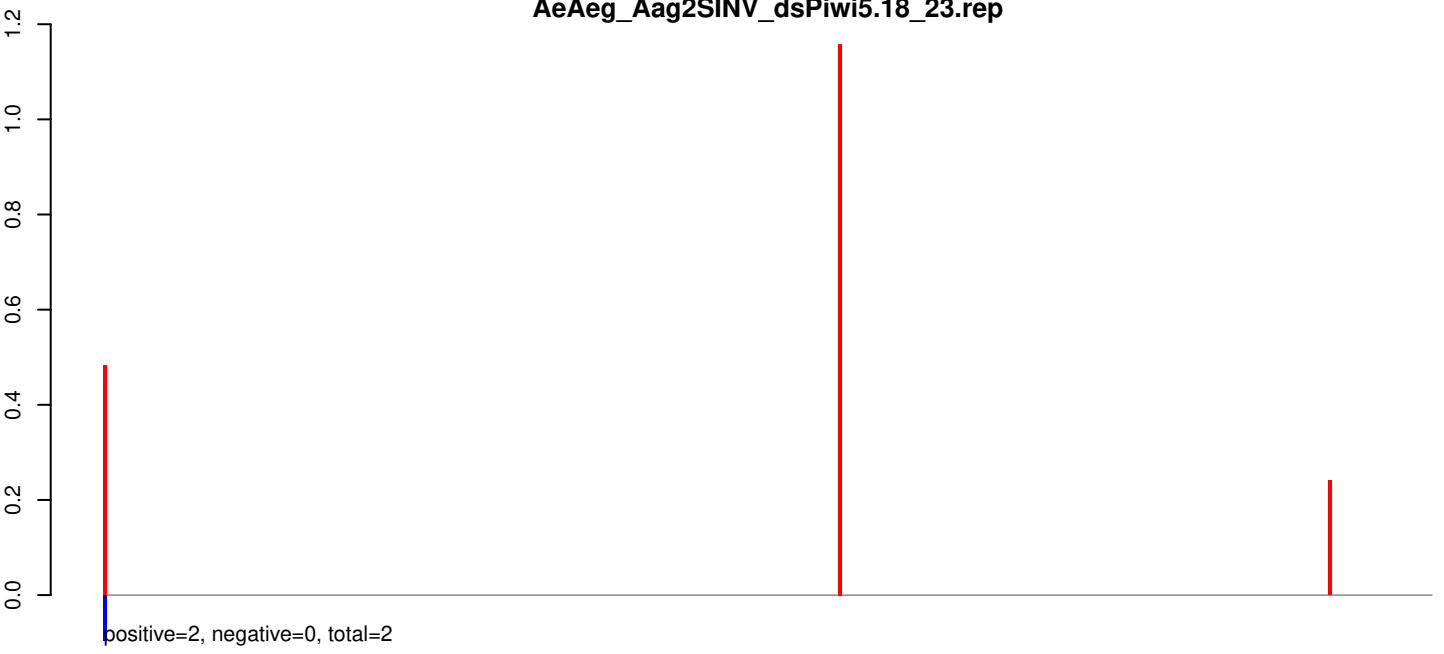
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



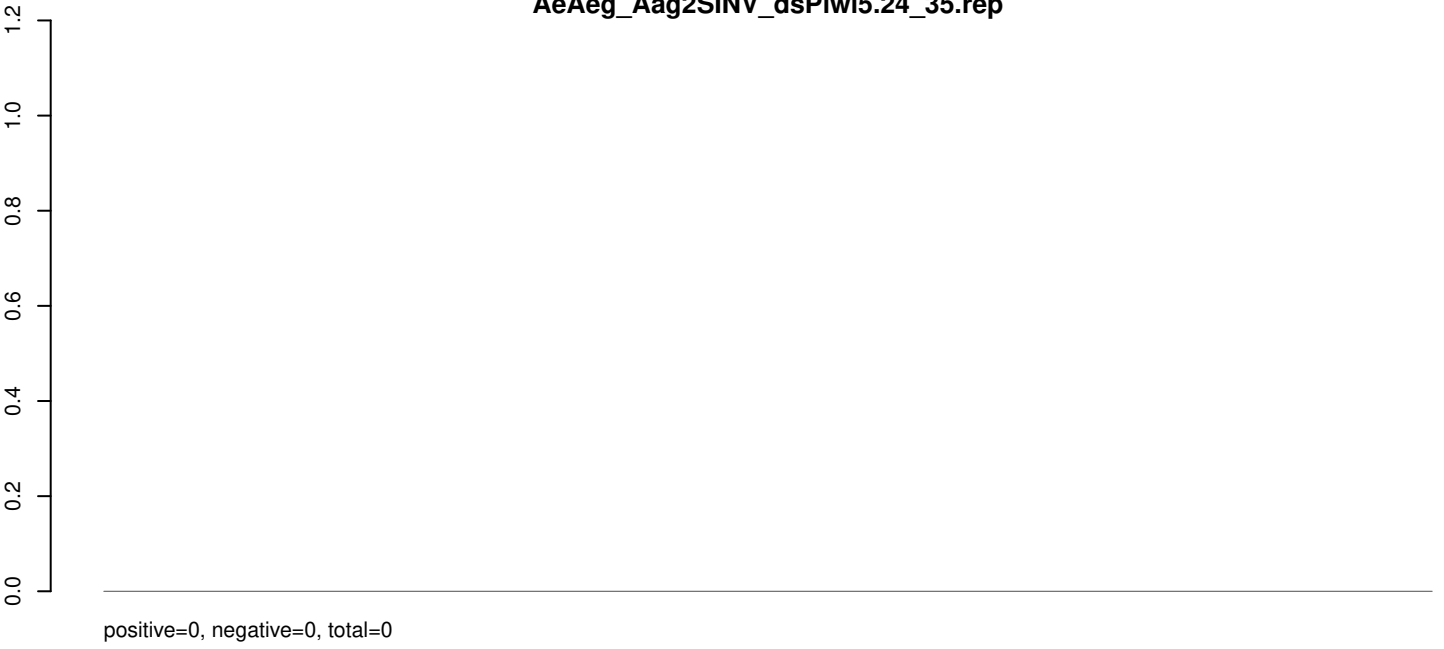
0 5000 10000 15000 20000



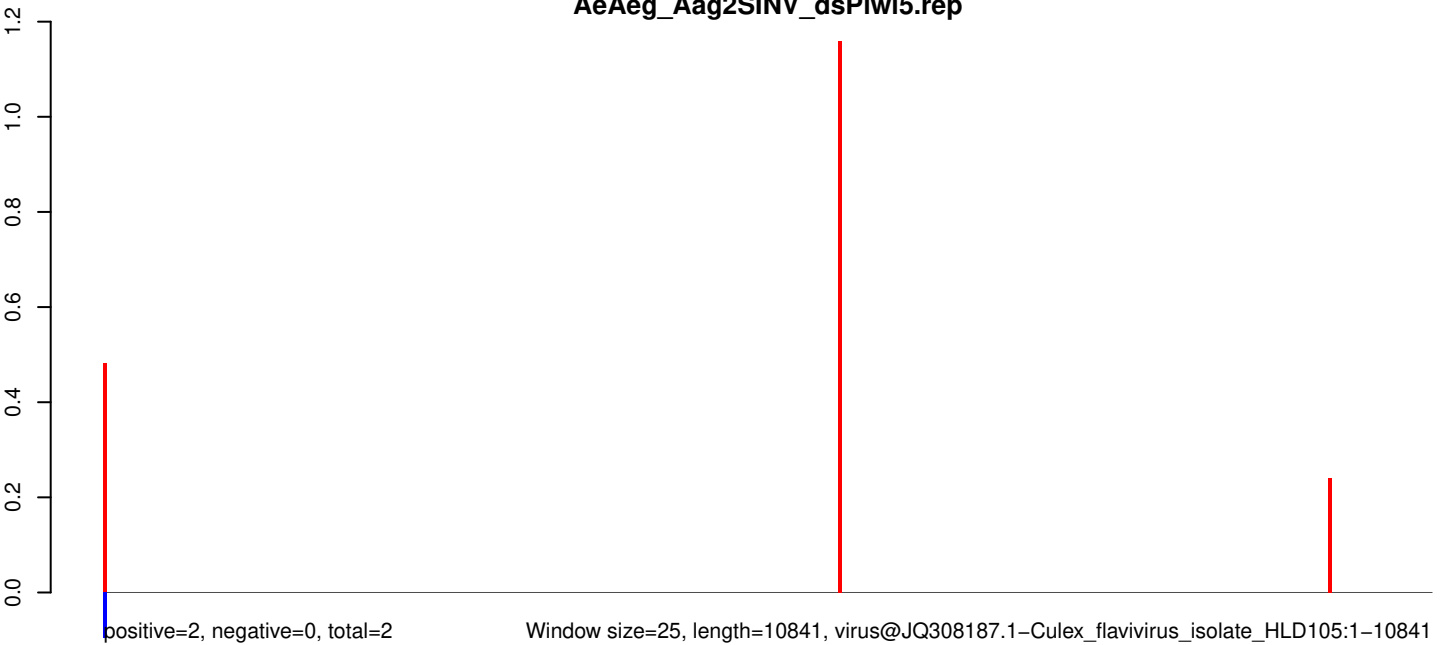
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

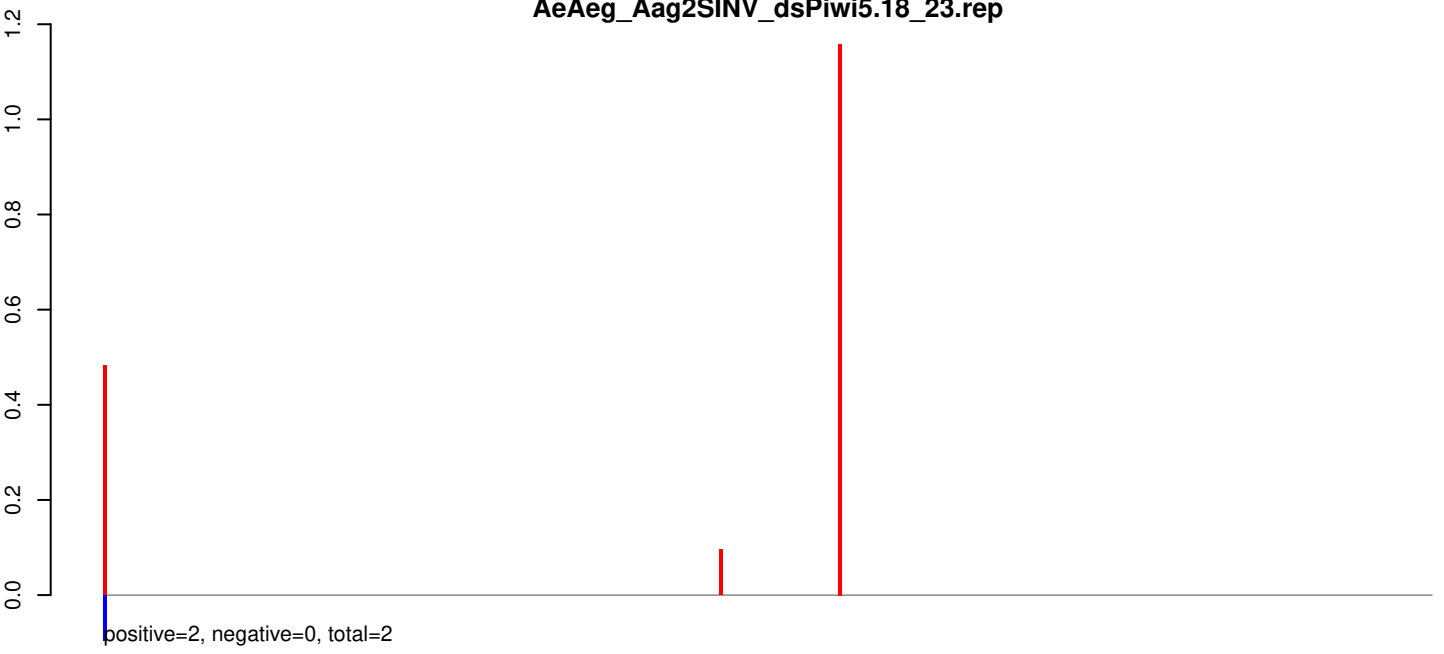


**AeAeg\_Aag2SINV\_dsPiwi5.rep**

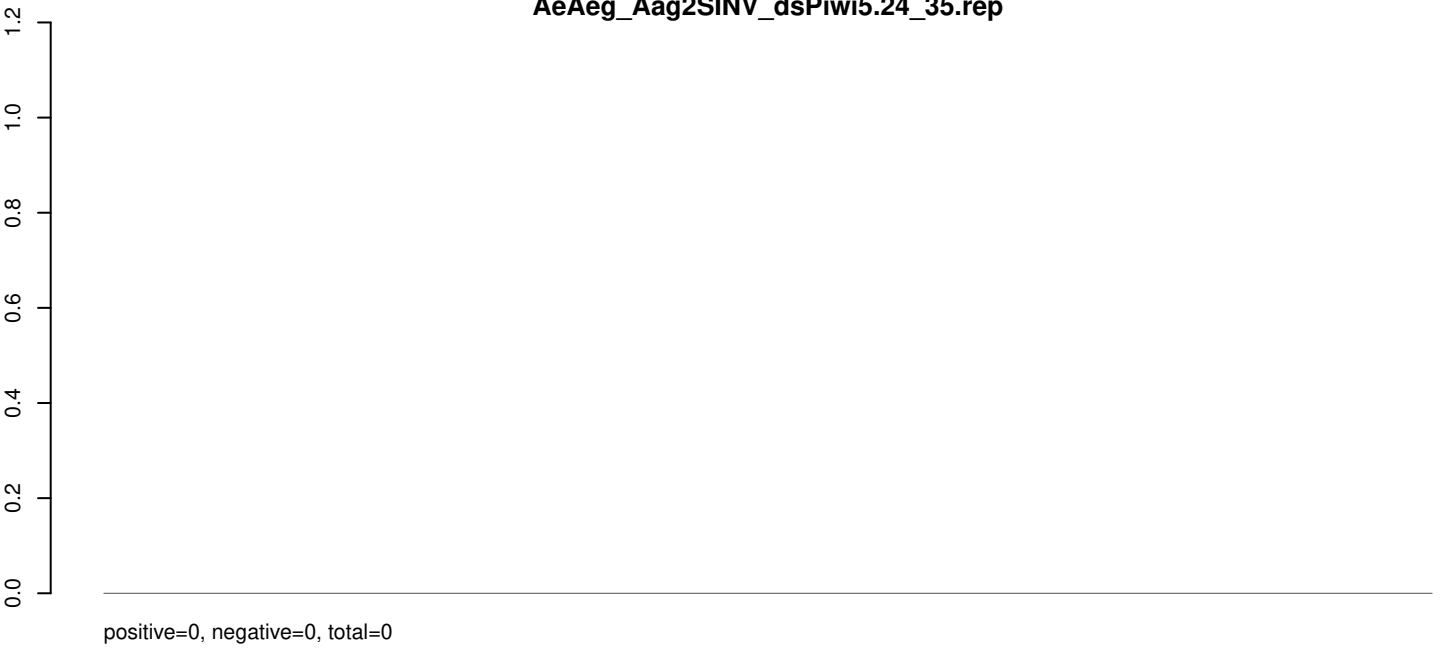


Window size=25, length=10841, virus@JQ308187.1-Culex\_flavivirus\_isolate\_HLD105:1-10841

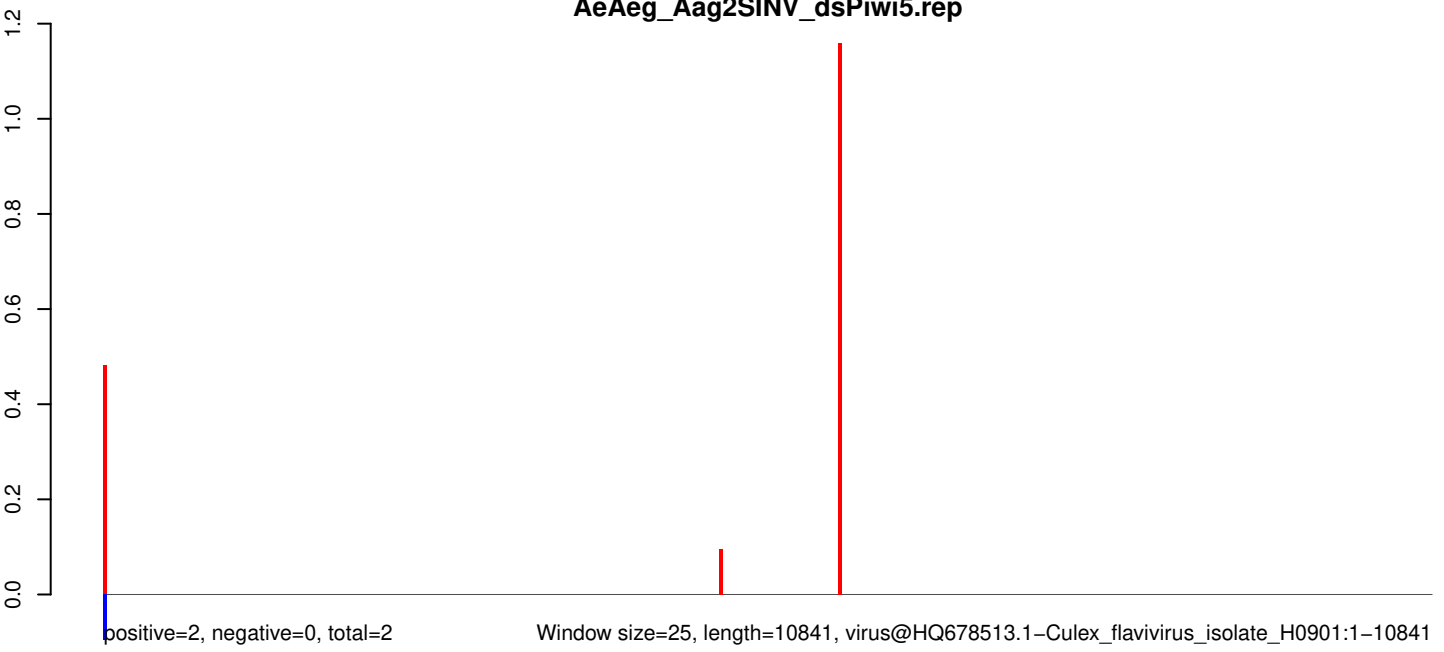
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

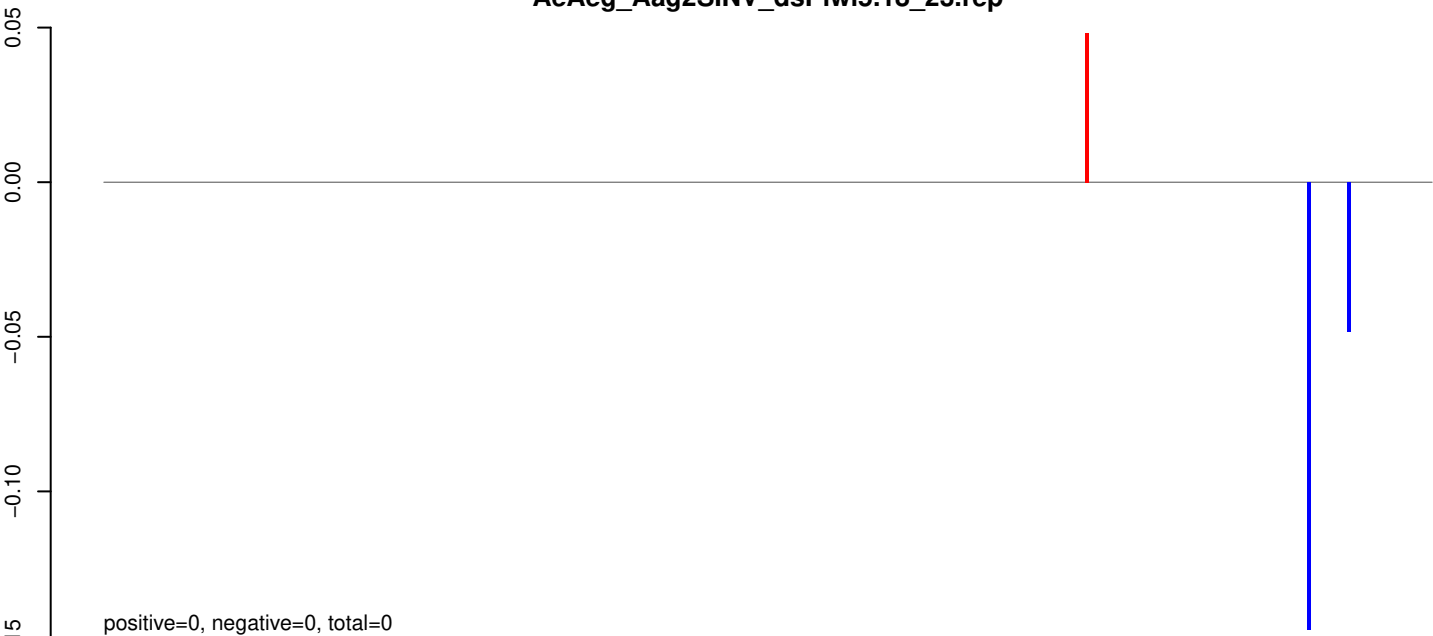


**AeAeg\_Aag2SINV\_dsPiwi5.rep**

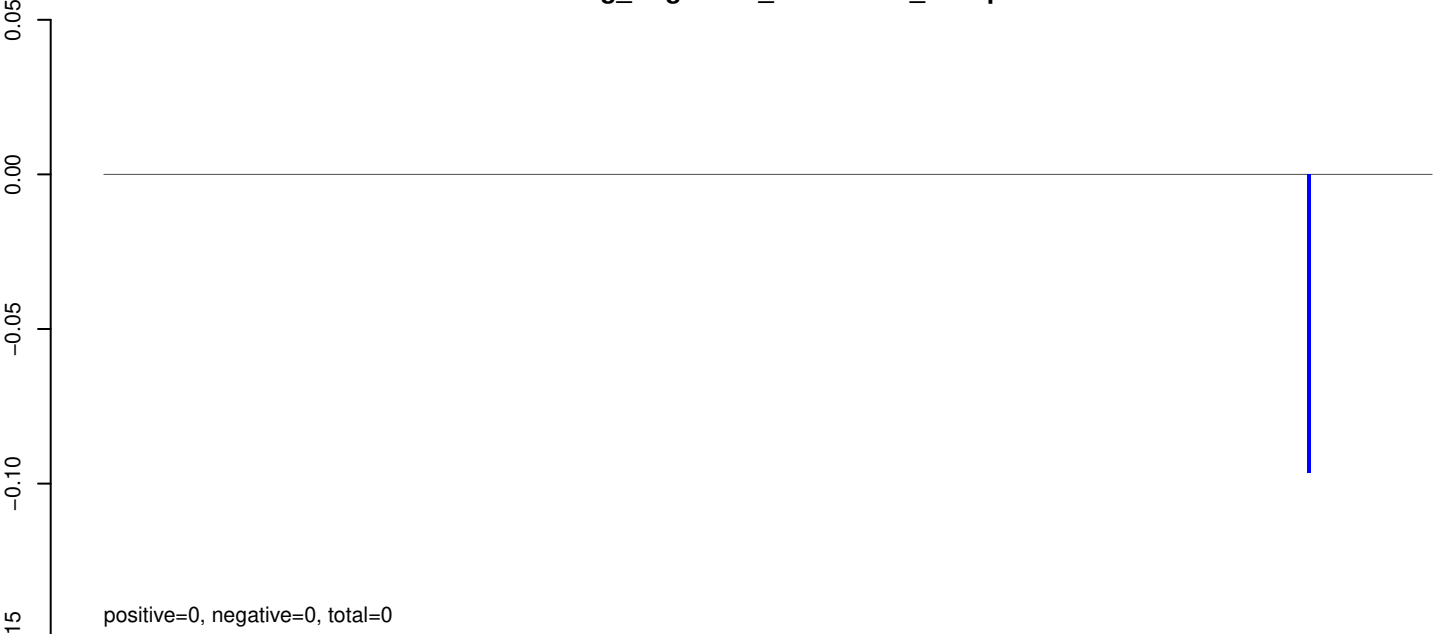


0 2000 4000 6000 8000 10000

**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

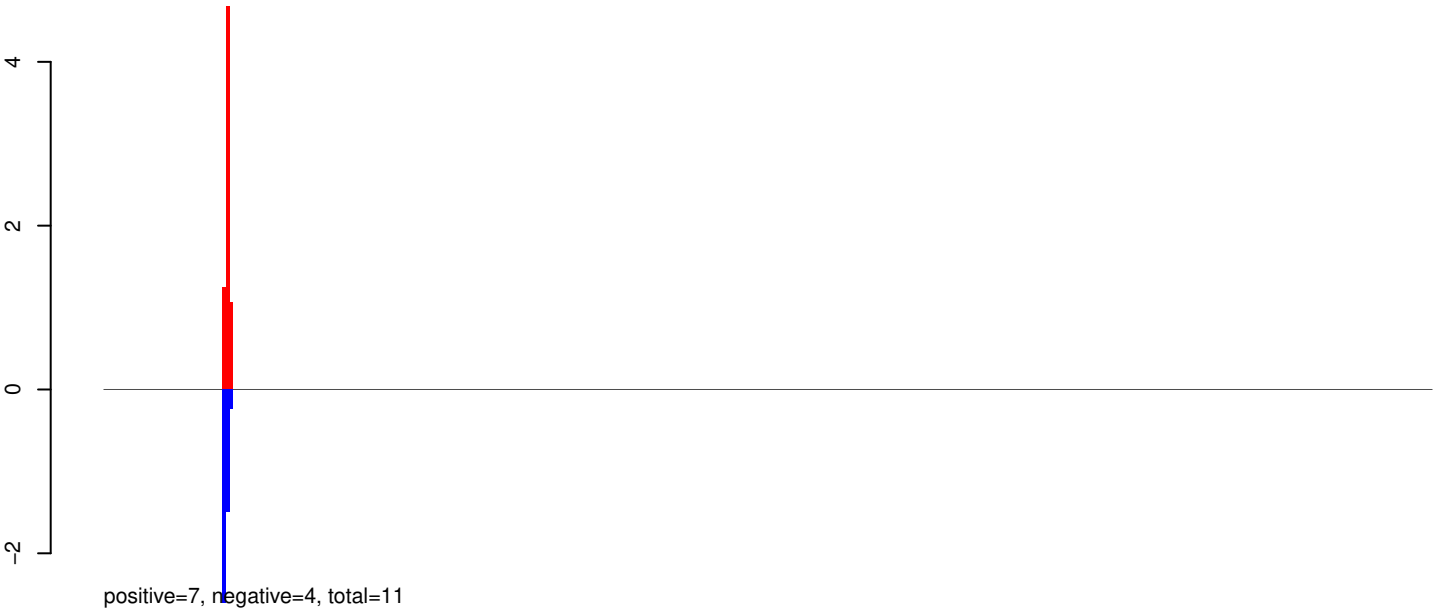


**AeAeg\_Aag2SINV\_dsPiwi5.rep**

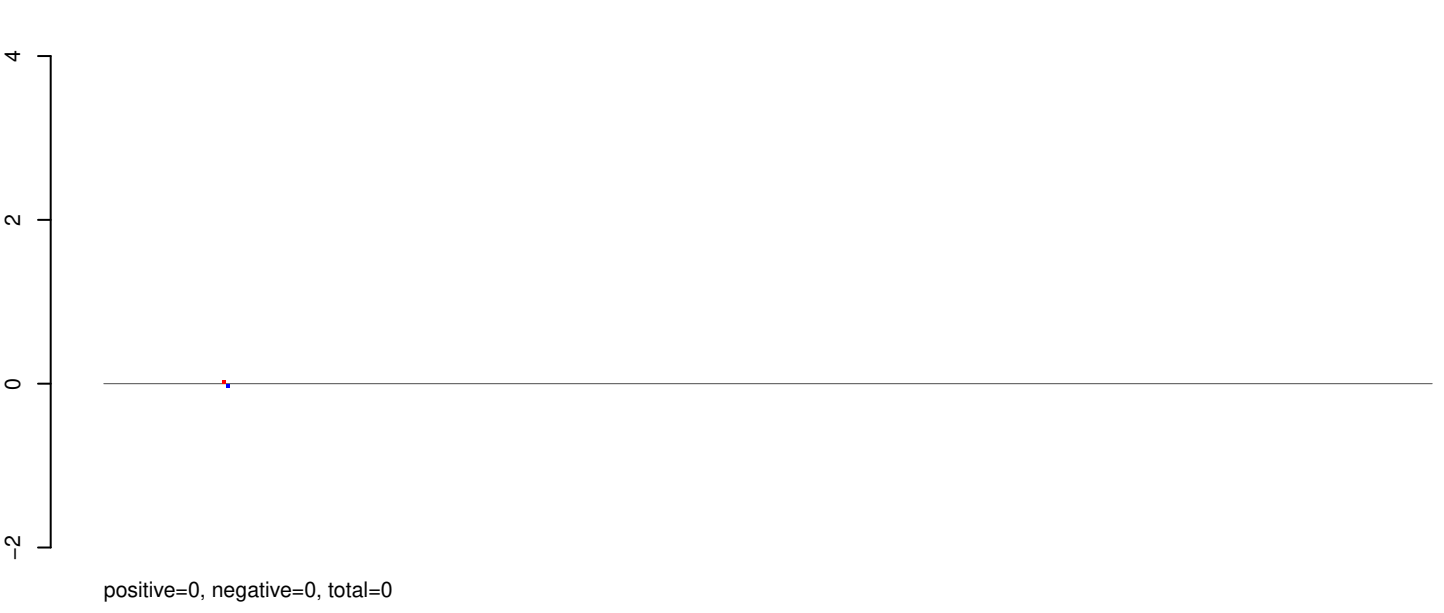


Window size=25, length=10922, virus@AY632538.4-Iguape\_virus\_strain\_SPAn\_71686:1-10922

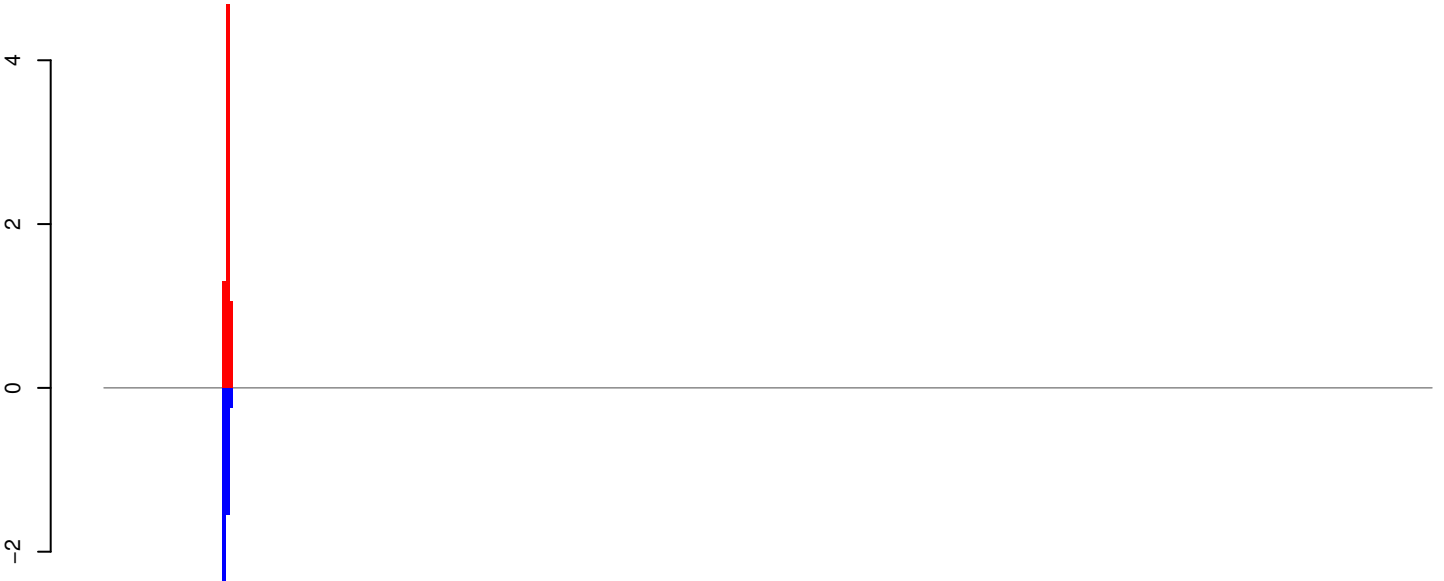
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**

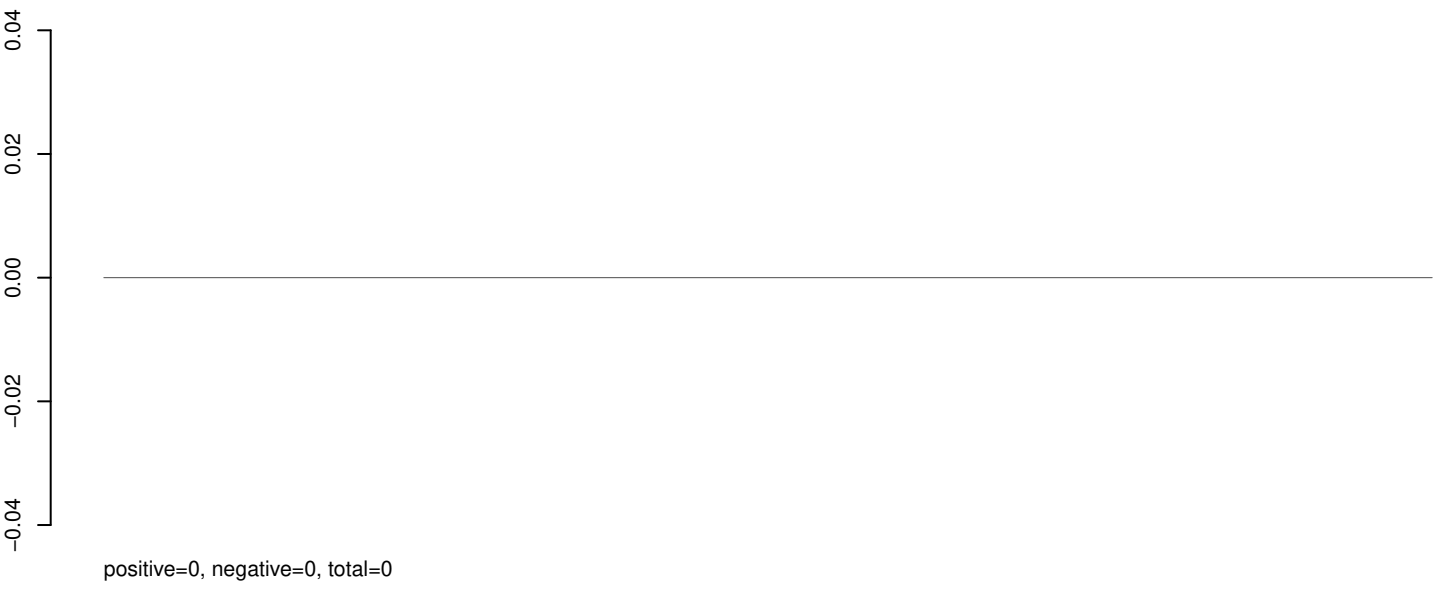




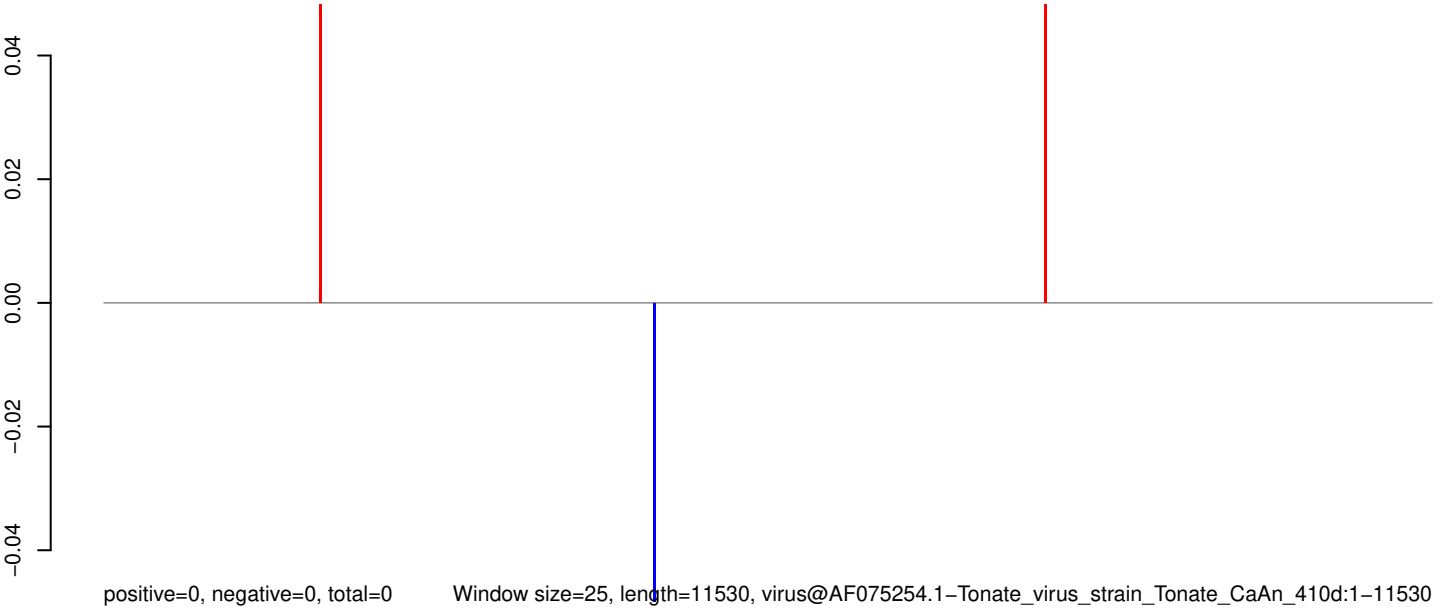
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



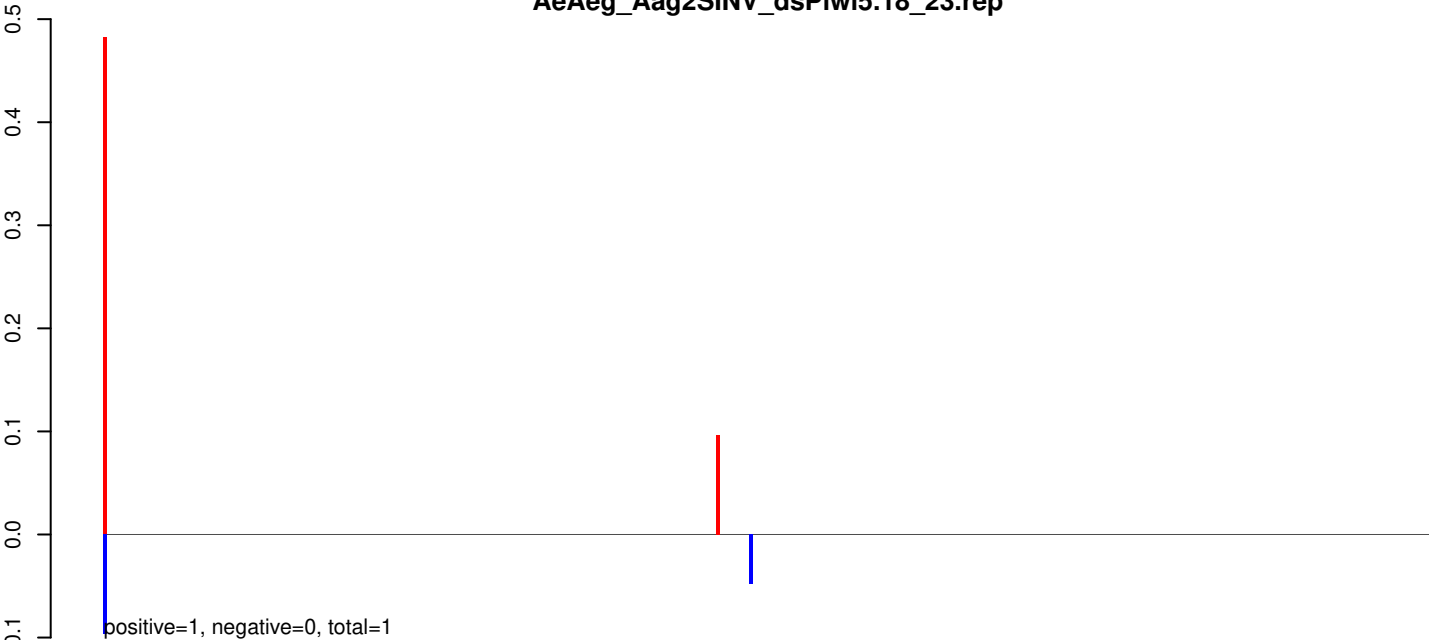
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



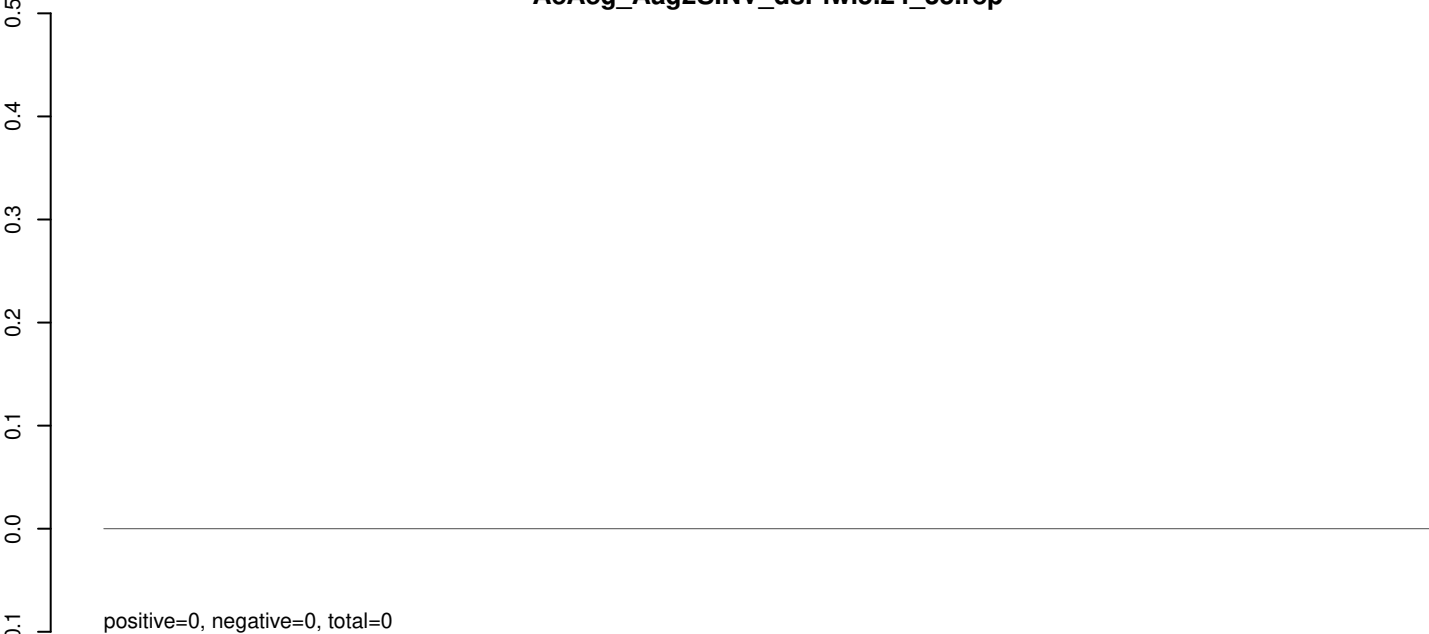
Window size=25, length=11530, virus@AF075254.1-Tonate\_virus\_strain\_Tonate\_CaAn\_410d:1-11530

0 2000 4000 6000 8000 10000 12000

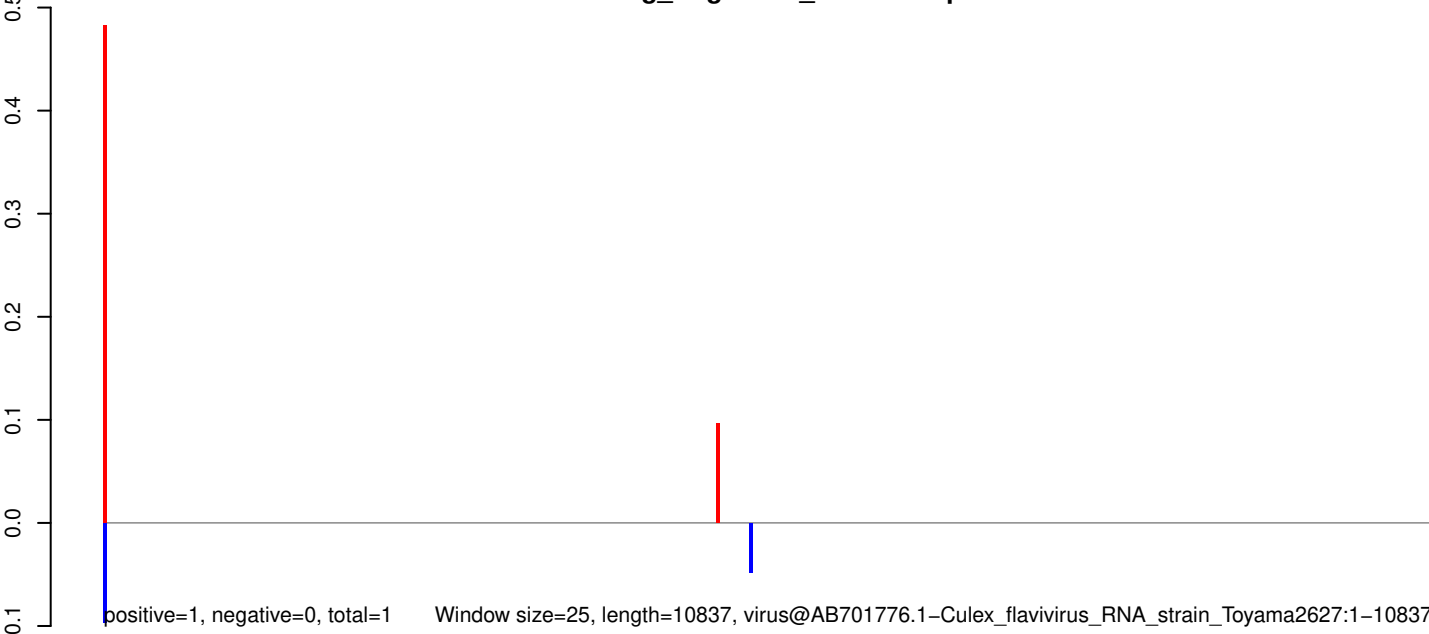
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



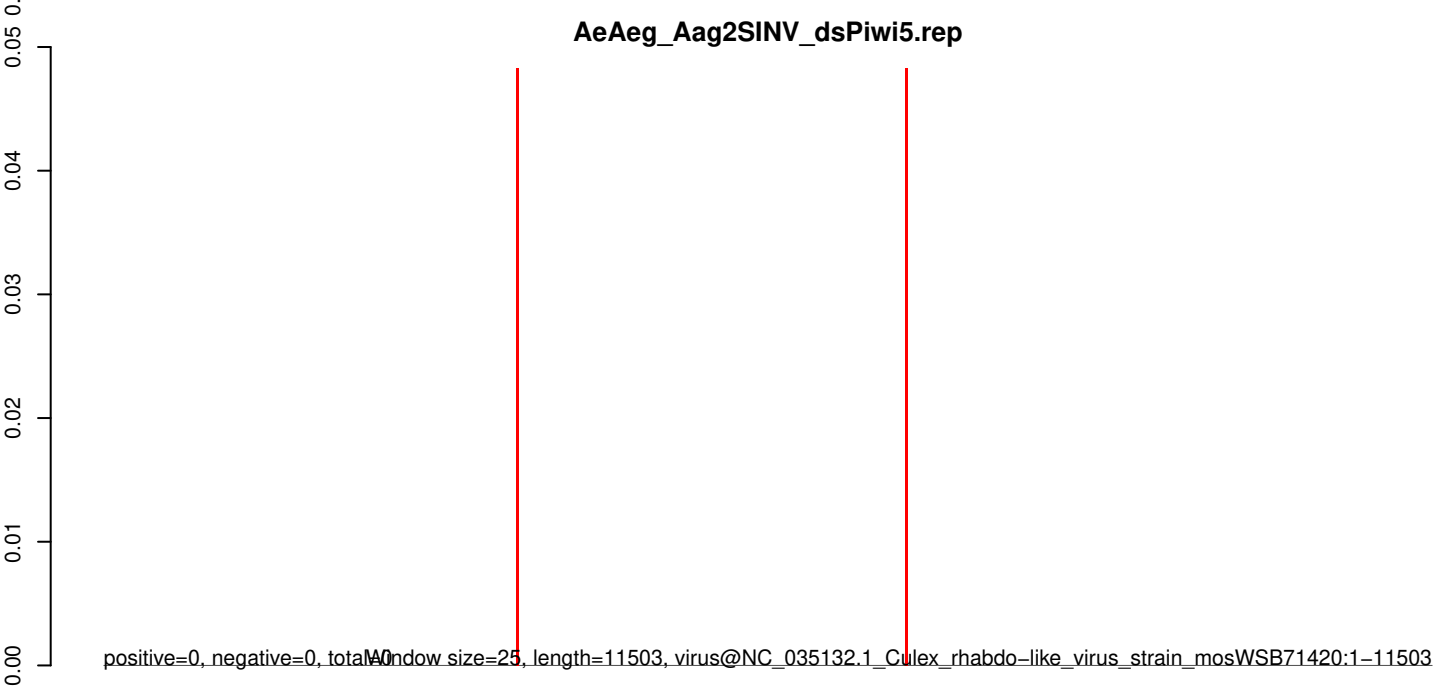
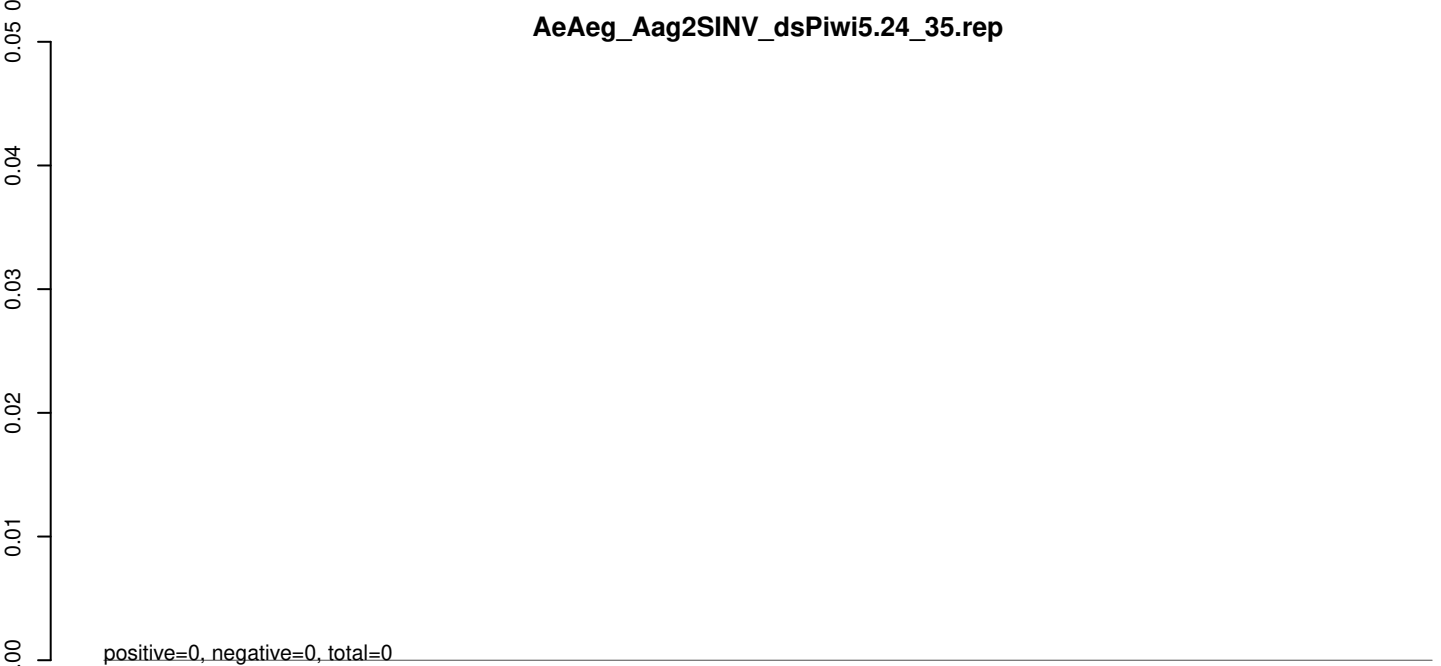
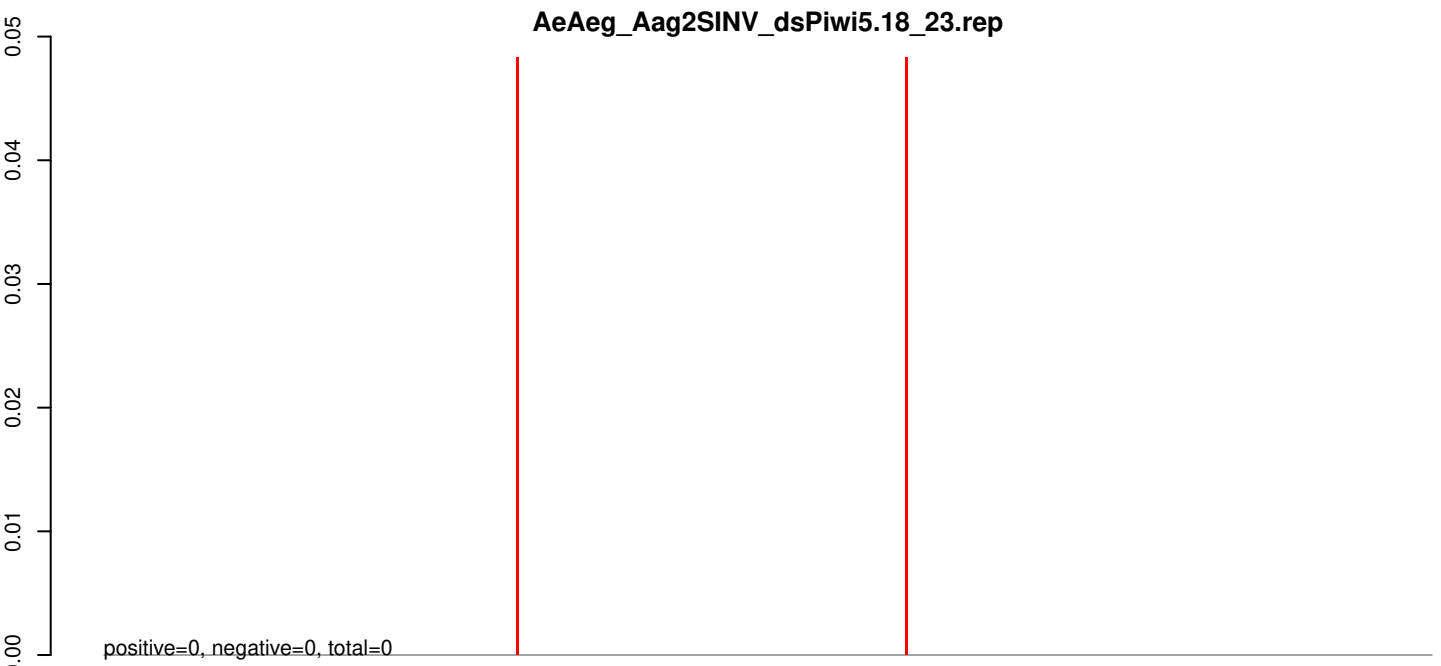
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**

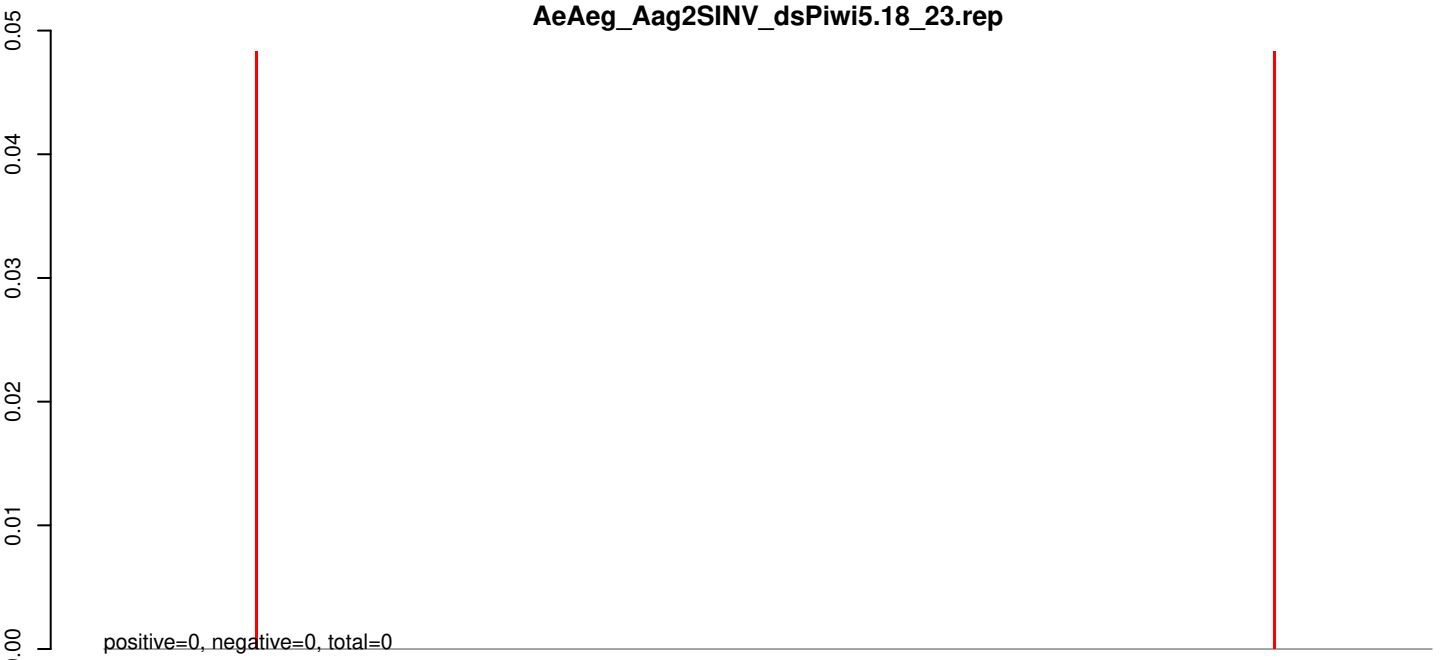


Window size=25, length=10837, virus@AB701776.1-Culex\_flavivirus\_RNA\_strain\_Toyama2627:1-10837

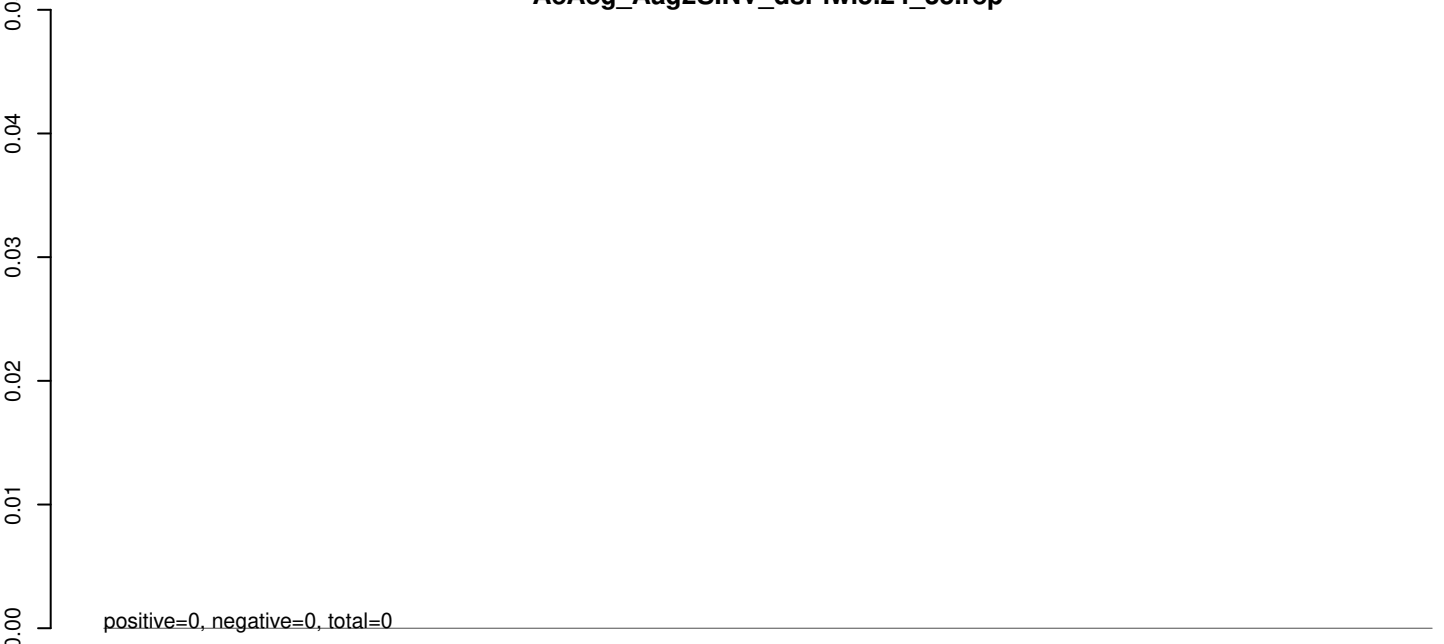


Window size=25, length=11503, virus@NC\_035132.1\_Culex\_rhabdo-like\_virus\_strain\_mosWSB71420:1-11503

**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



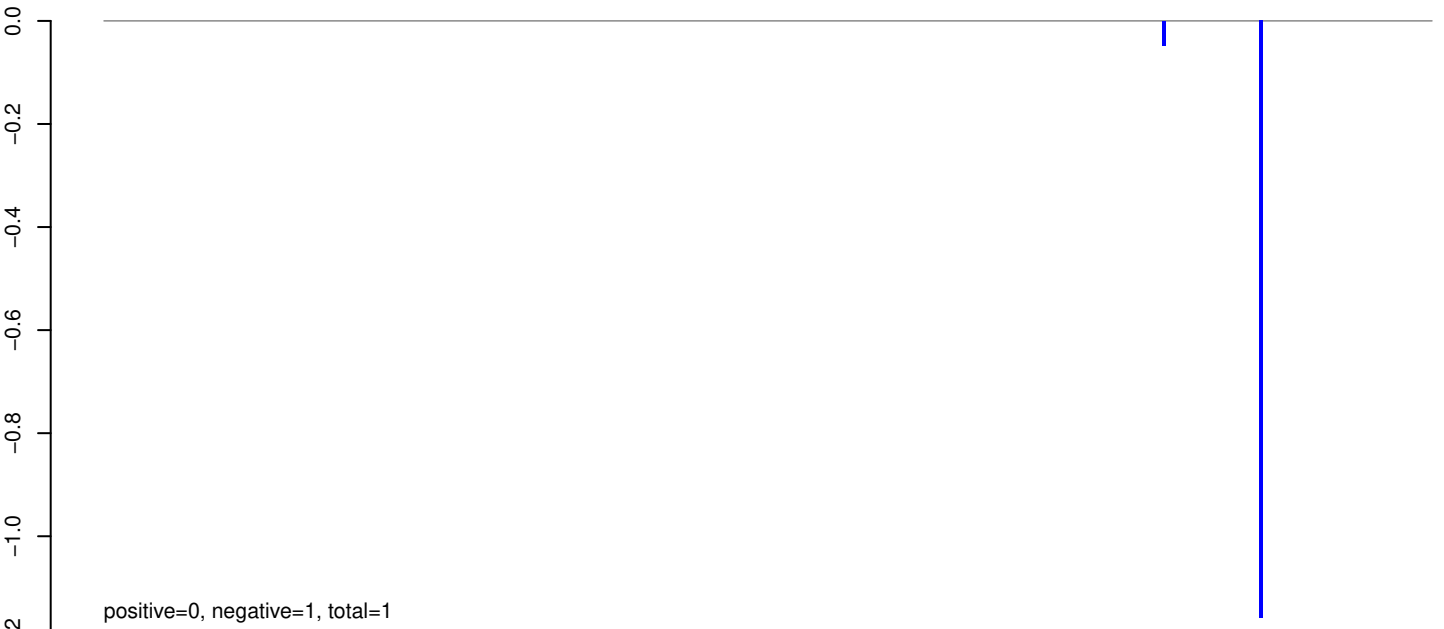
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



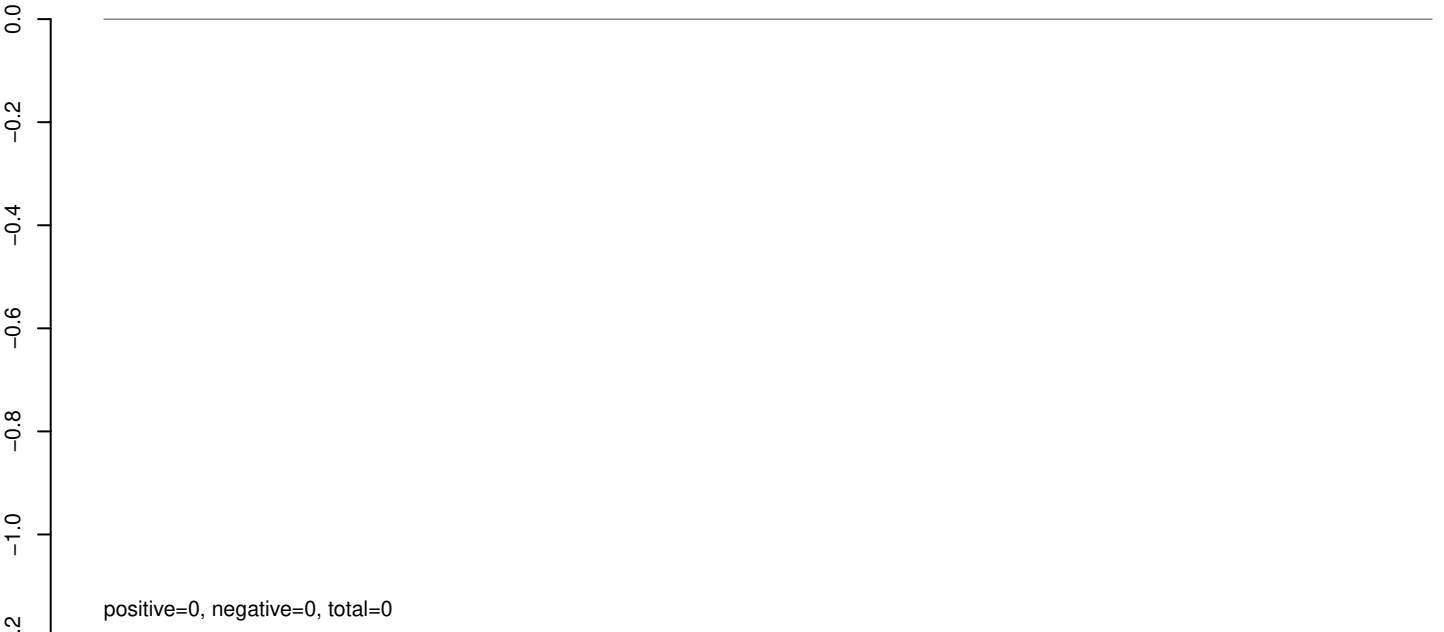
low size positive=0, negative=0, total=0  
NC\_034447.1-Hart\_Park\_virus\_nucleoprotein\_phosphoprotein\_hypothetical\_proteins\_matrix\_glycopro:1-13104

0 2000 4000 6000 8000 10000 12000

**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



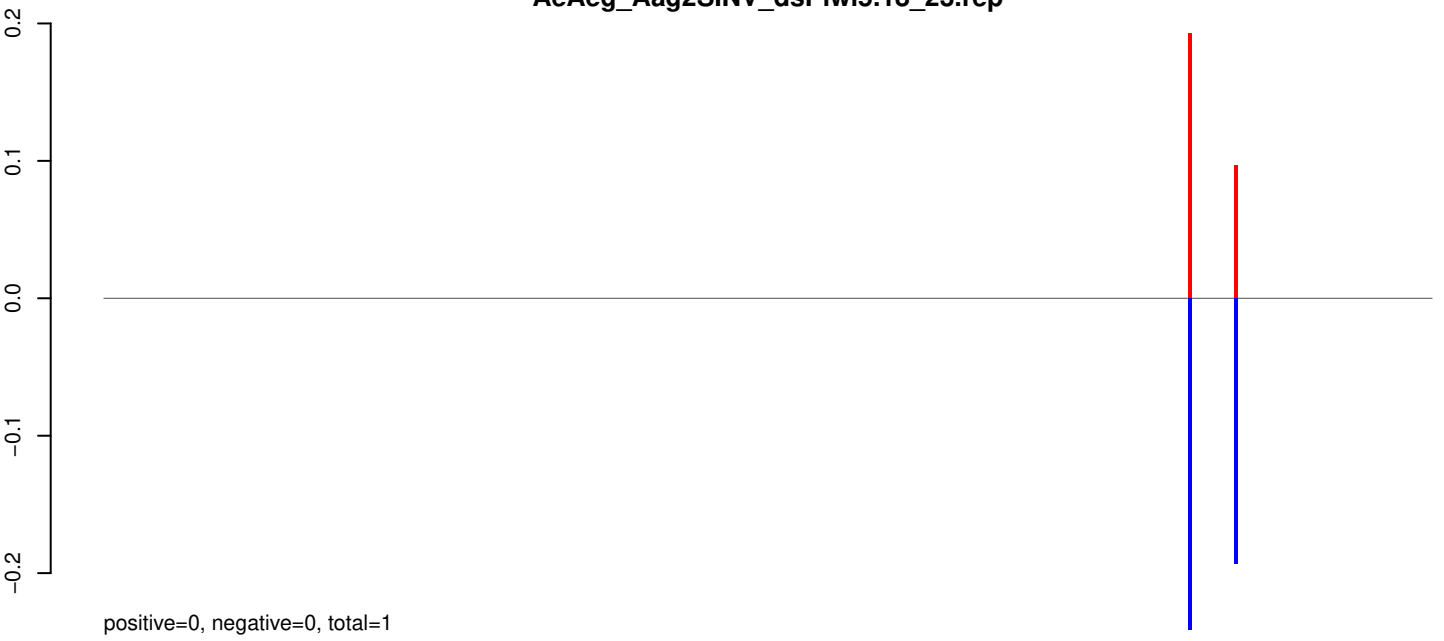
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

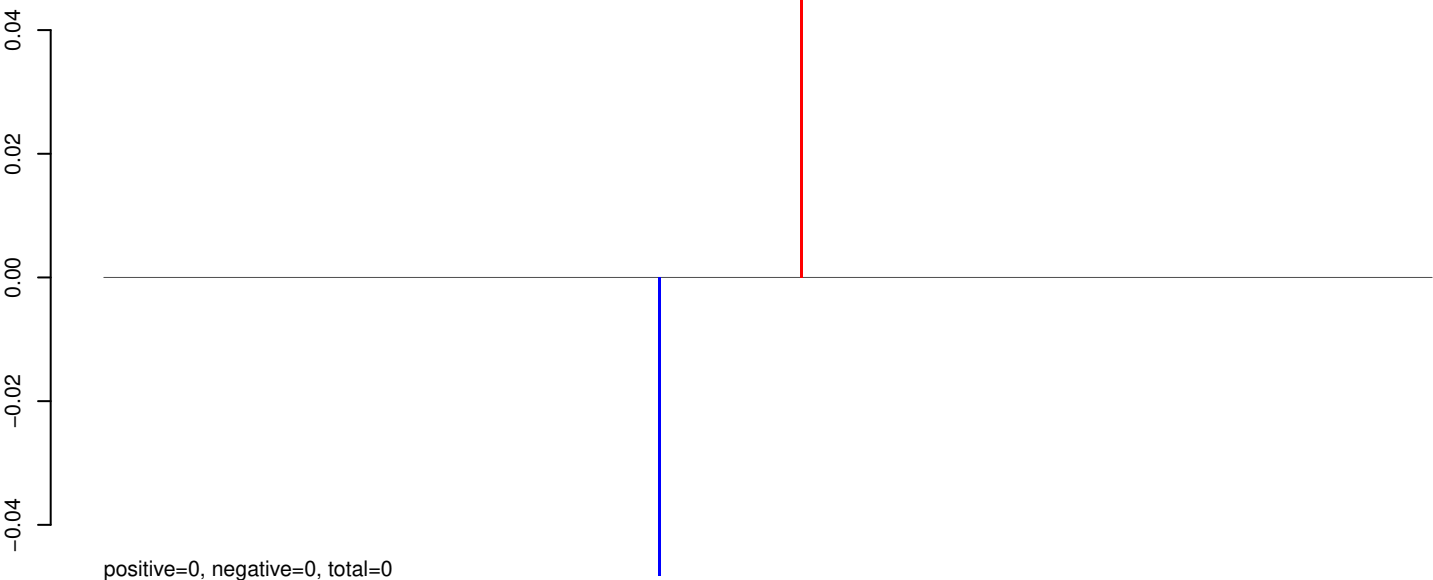


**AeAeg\_Aag2SINV\_dsPiwi5.rep**

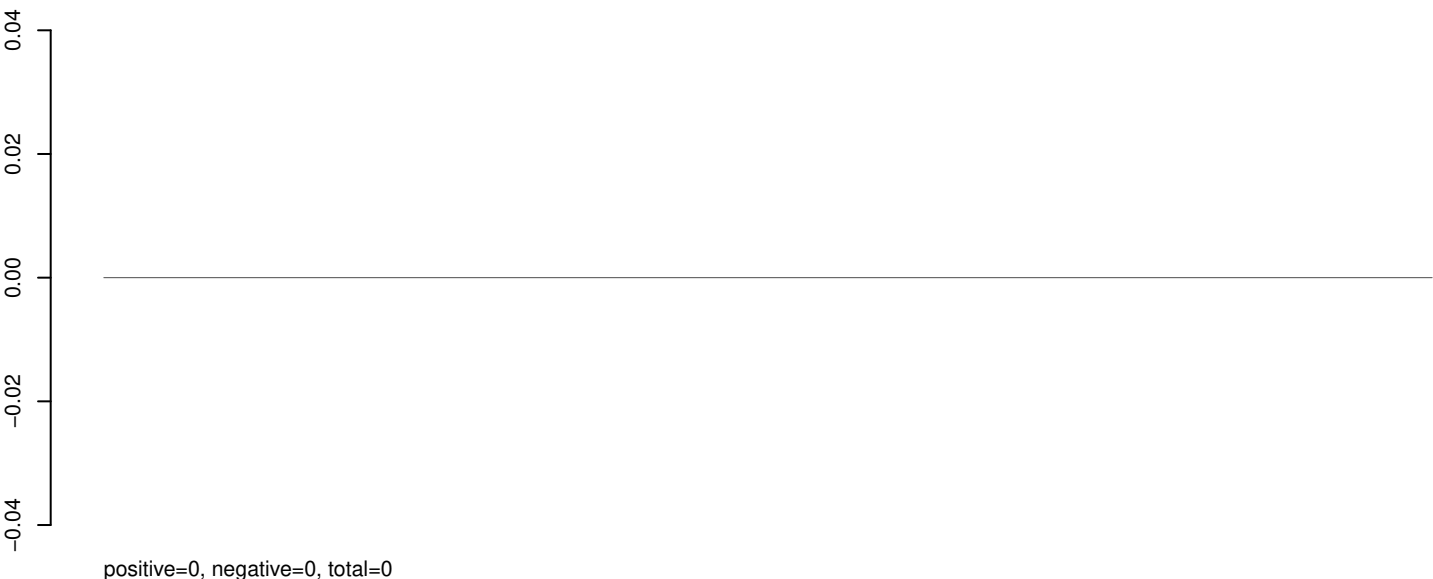


Window size=25, length=10893, virus@NC\_027817.1-Parramatta\_River\_virus\_isolate\_92-B115745:1-10893

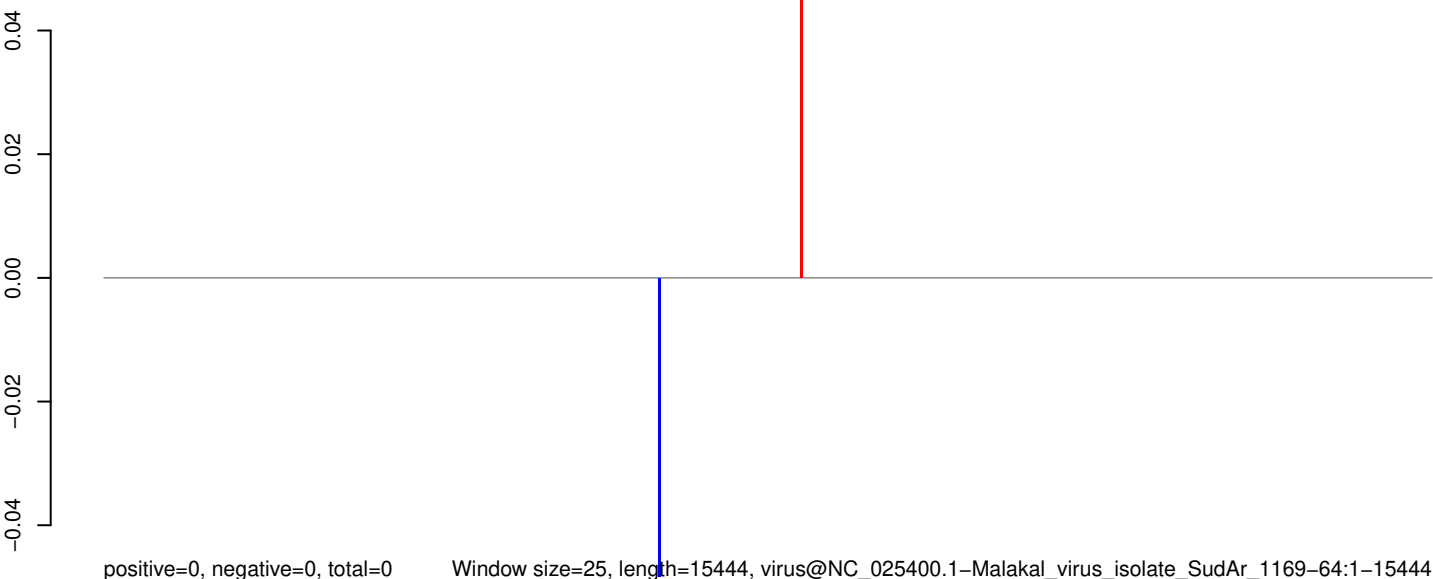
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



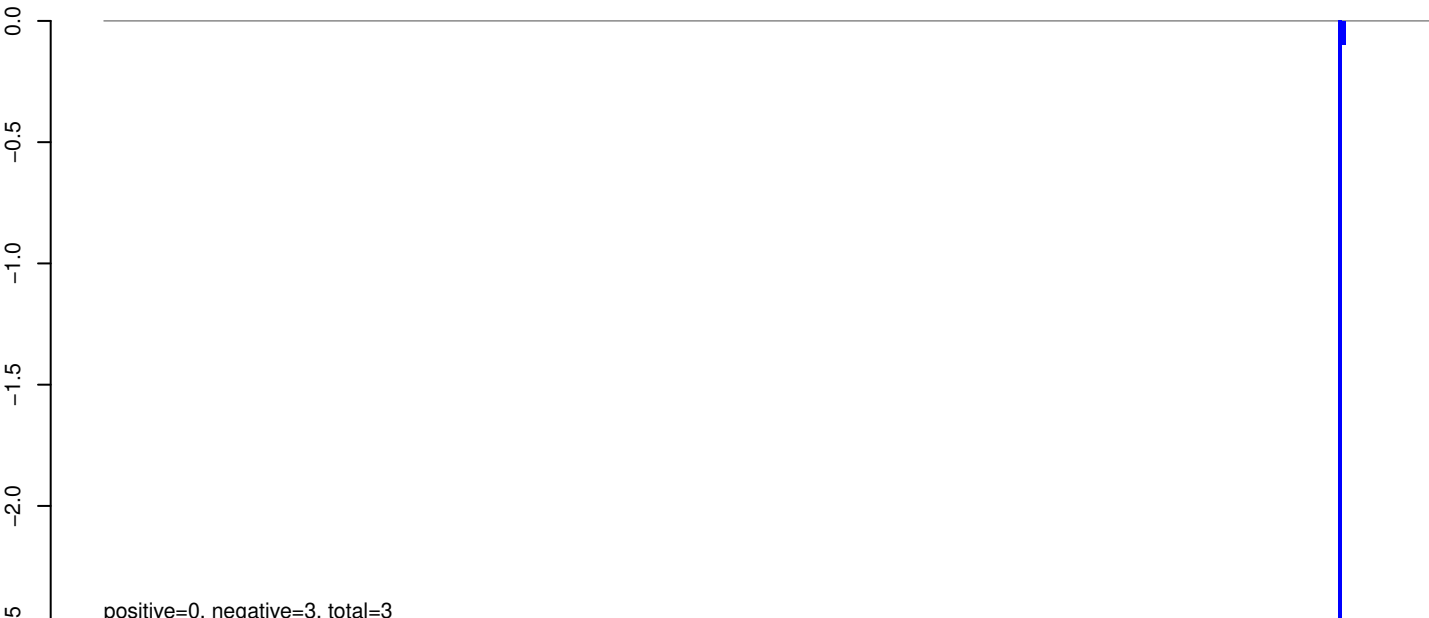
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**

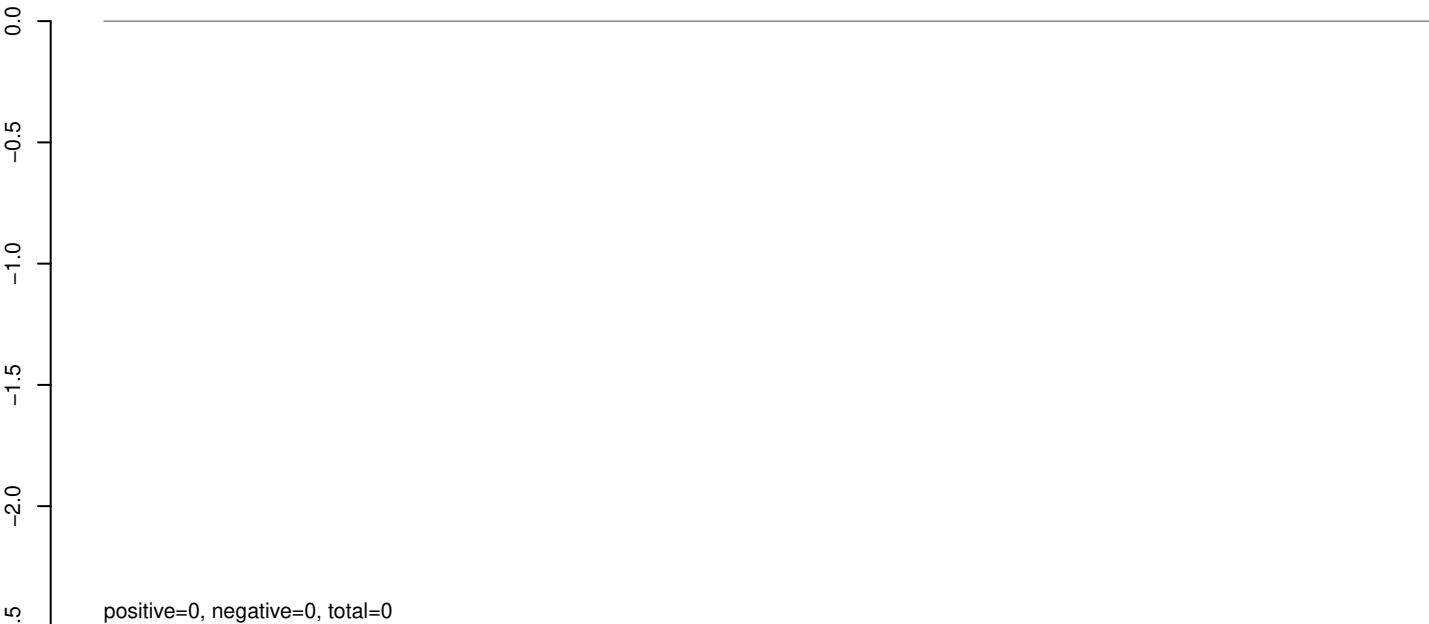


**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



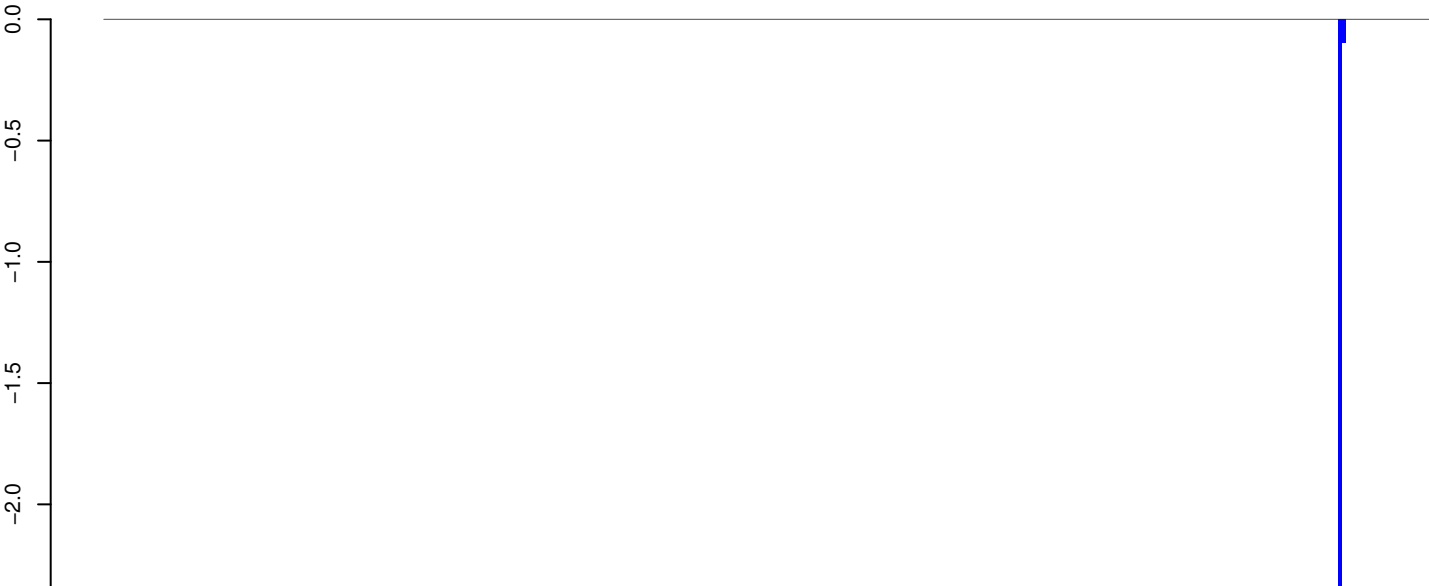
positive=0, negative=3, total=3

**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



positive=0, negative=0, total=0

**AeAeg\_Aag2SINV\_dsPiwi5.rep**

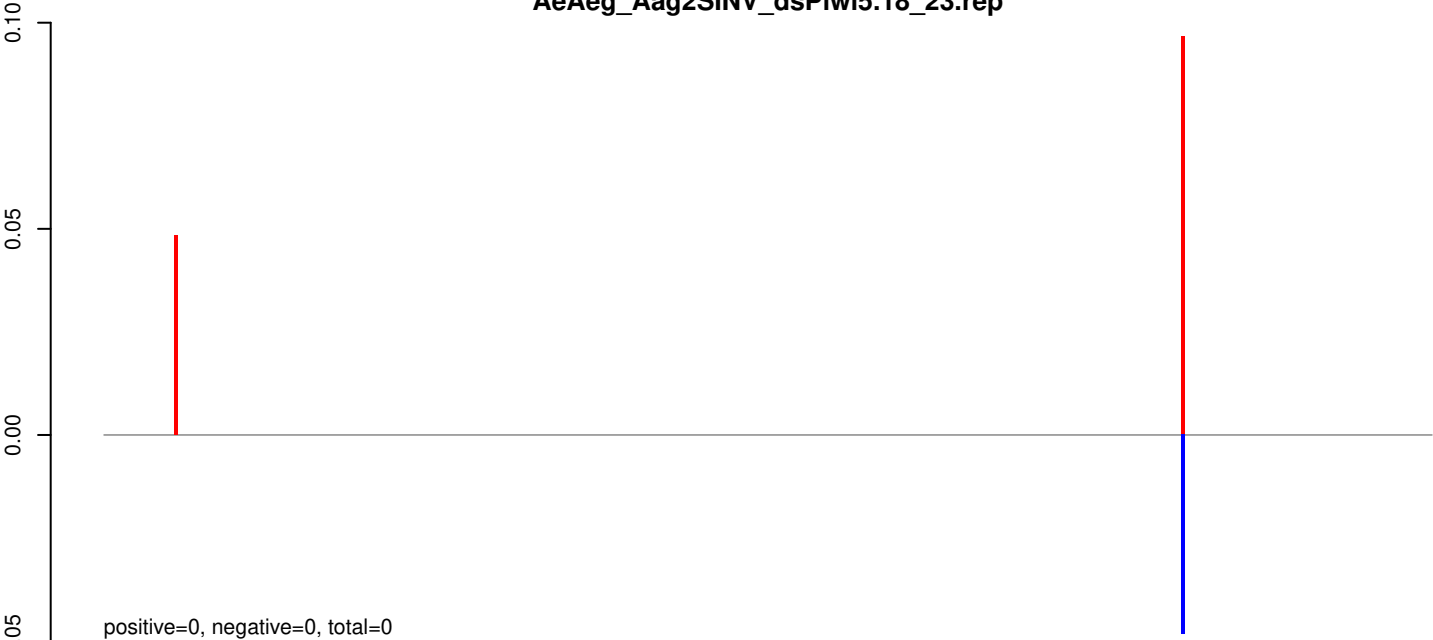


positive=0, negative=3, total=3 window size=25, length=10673, virus@NC\_023424.1-Tyuleniy\_virus\_strain\_LEIV-6C\_polyprotein\_gene:1-10673

0 2000 4000 6000 8000 10000



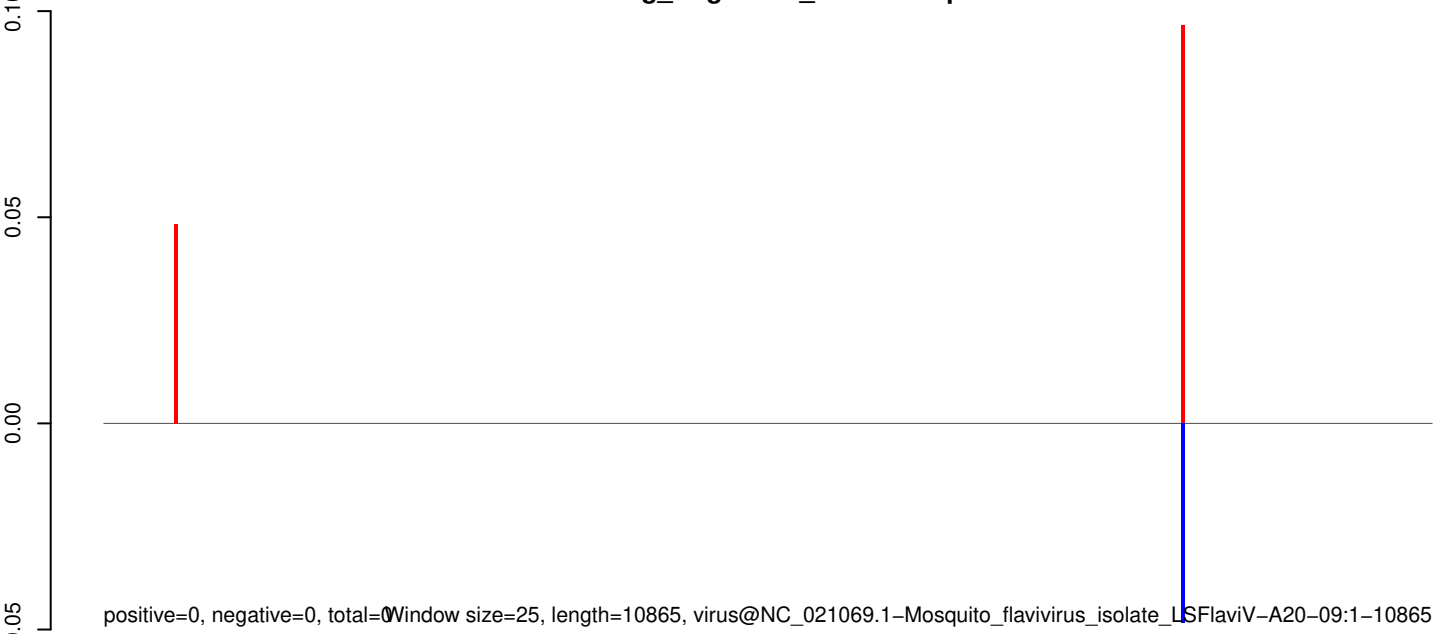
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



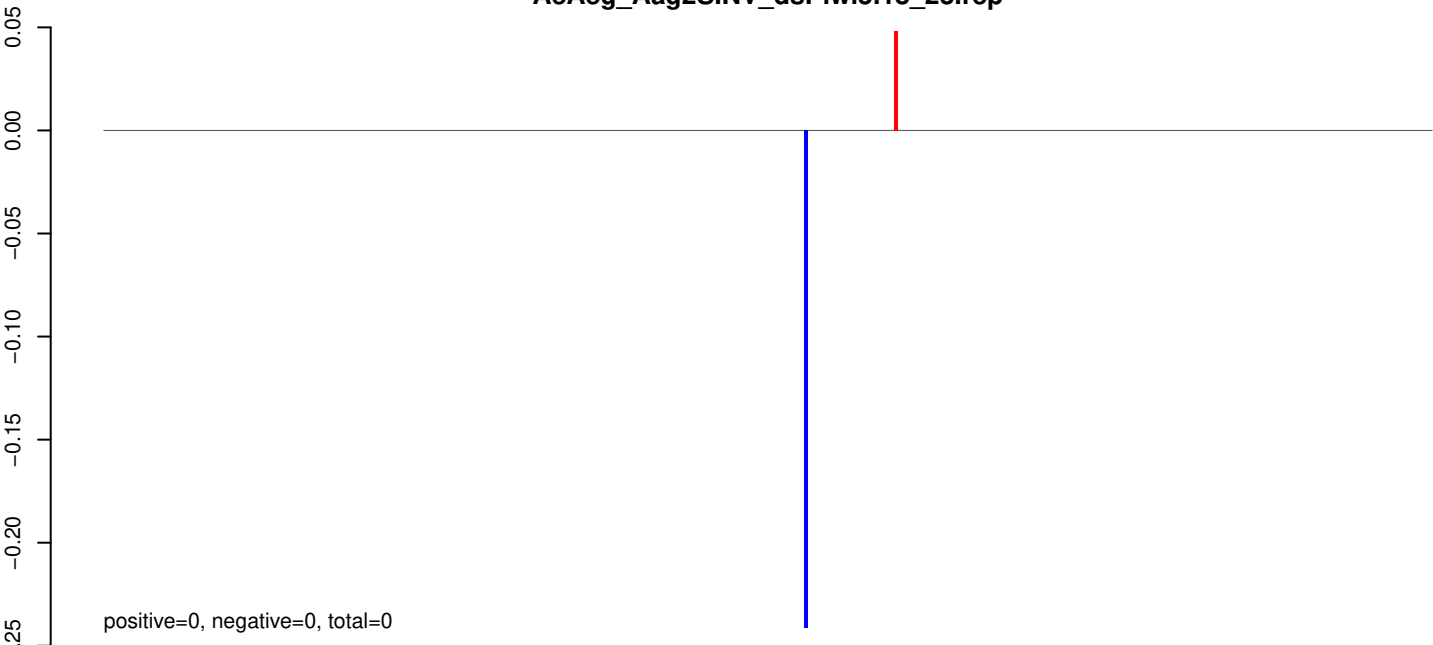
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



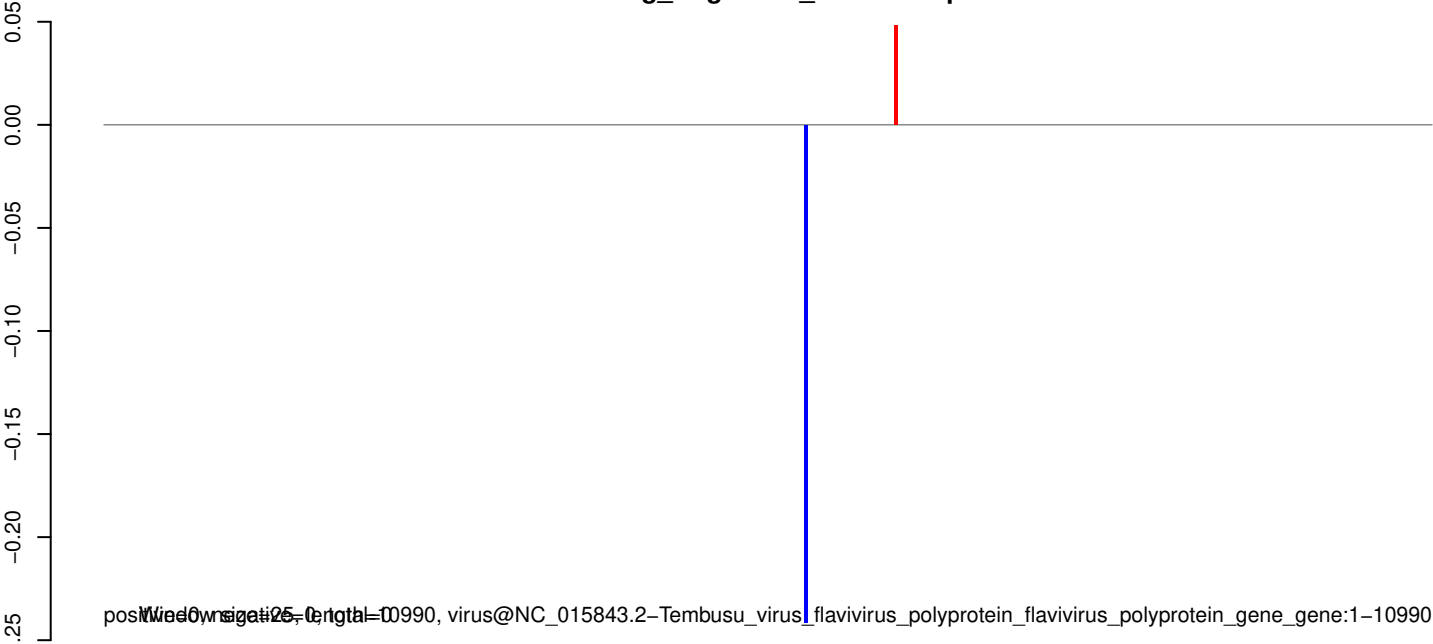
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



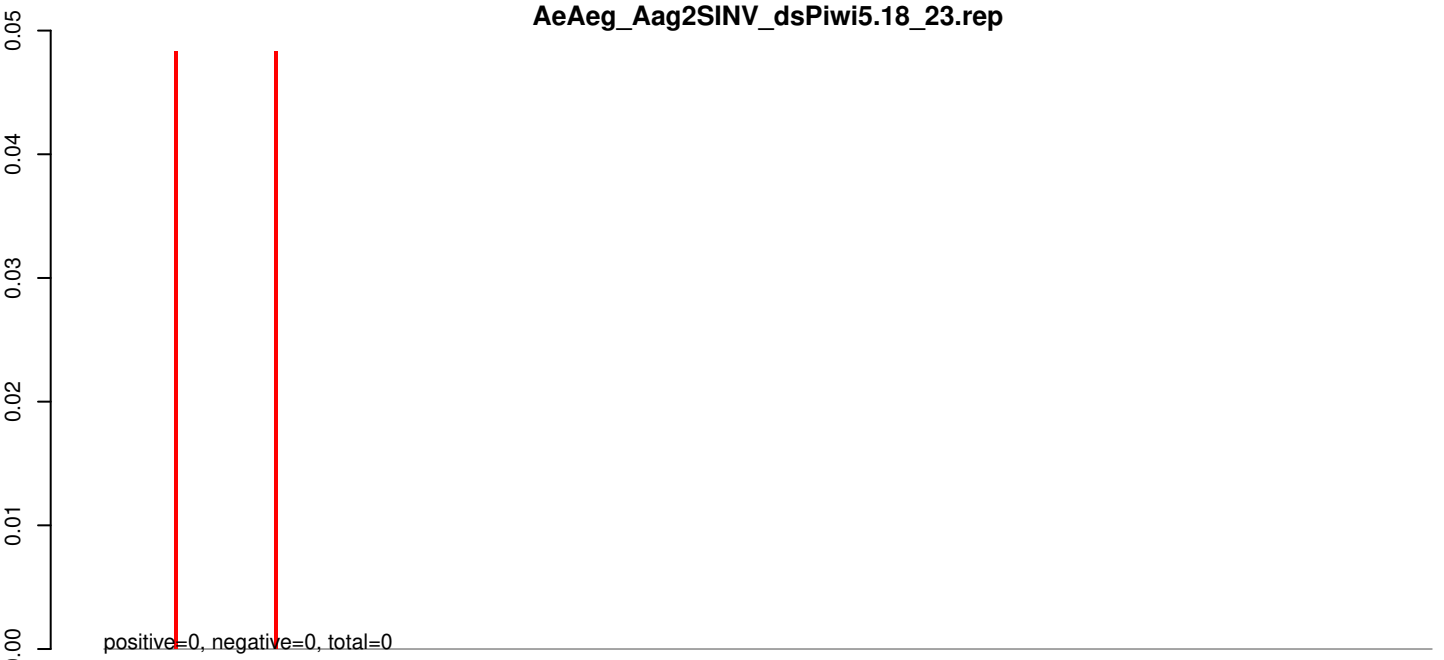
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



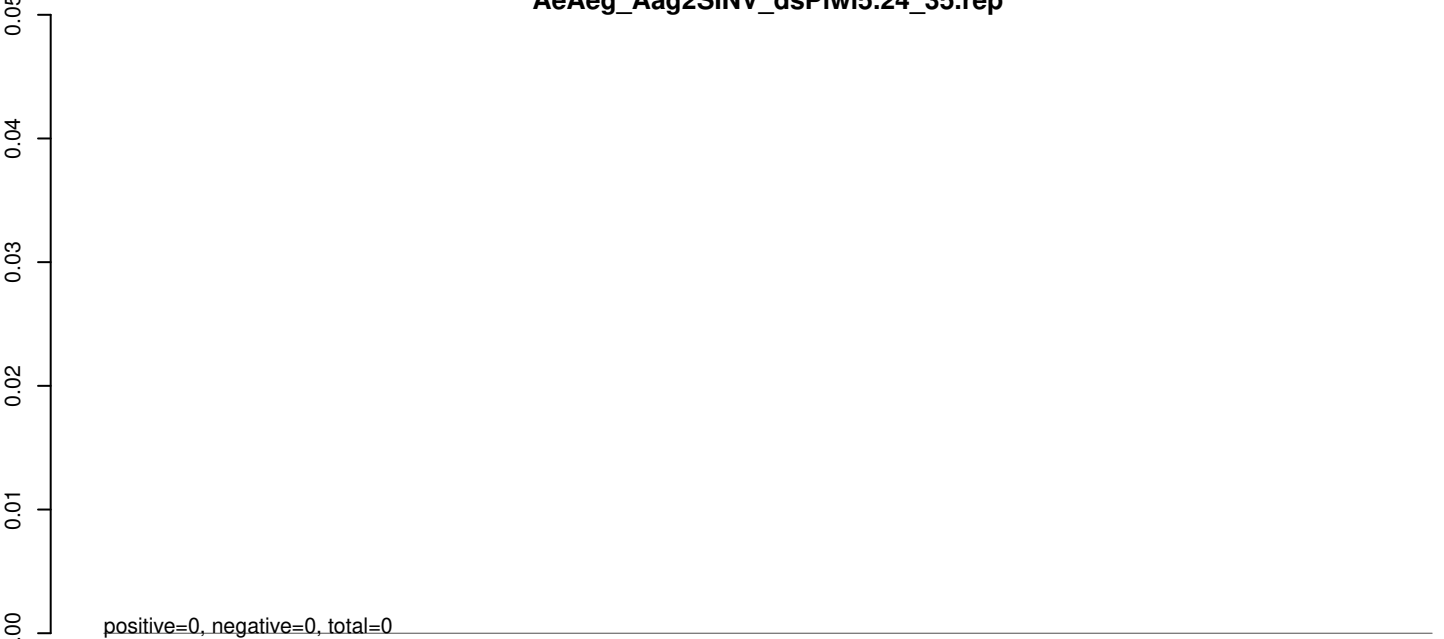
Windows size=25, length=10990, virus@NC\_015843.2-Tembusu\_virus\_flavivirus\_polyprotein\_flavivirus\_polyprotein\_gene\_gene:1-10990

0 2000 4000 6000 8000 10000

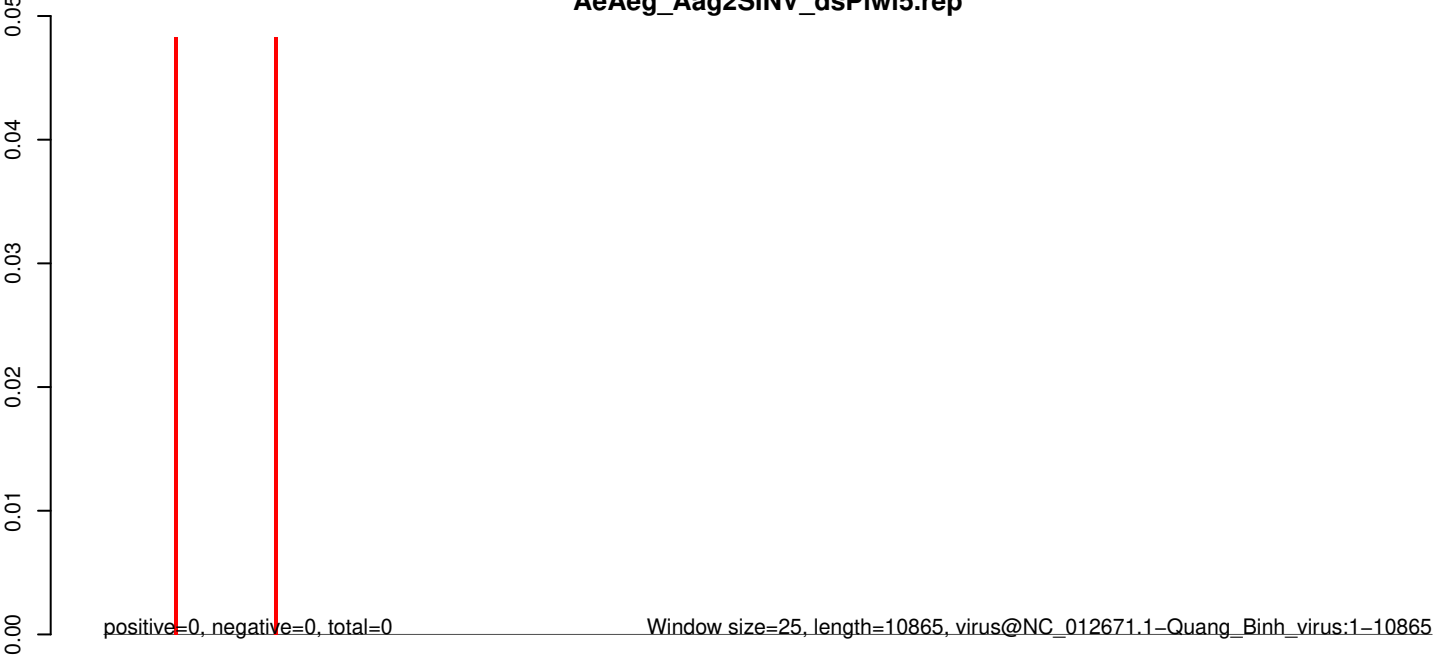
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

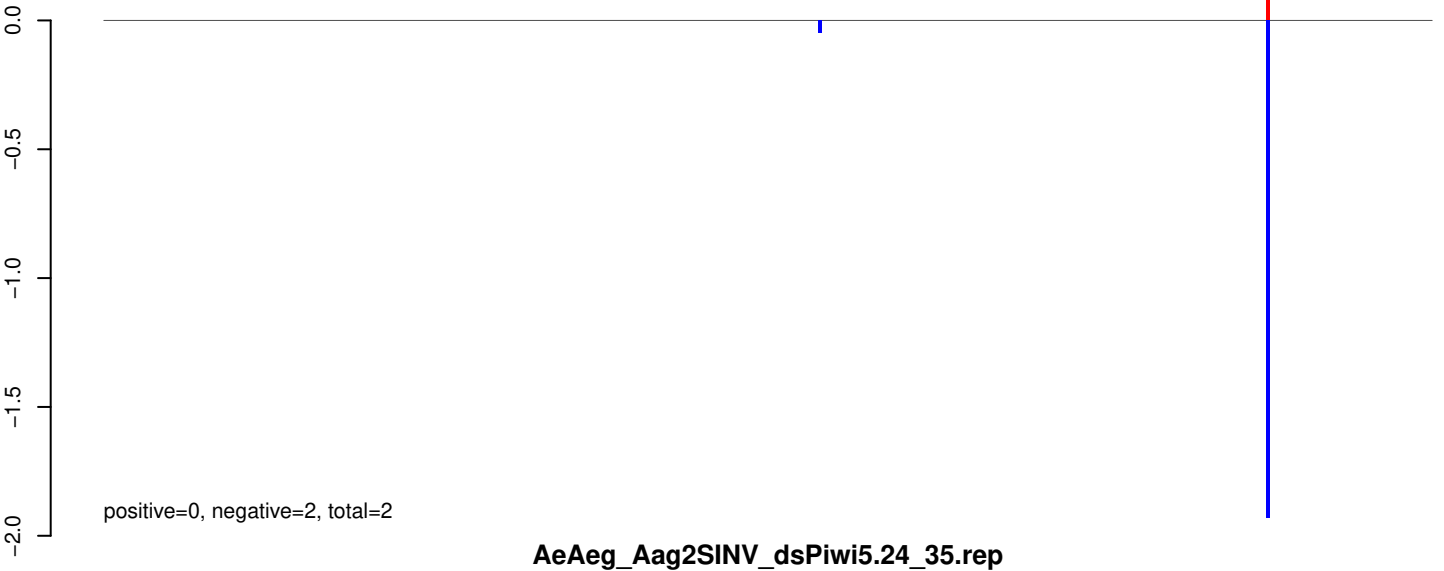


**AeAeg\_Aag2SINV\_dsPiwi5.rep**



0 2000 4000 6000 8000 10000

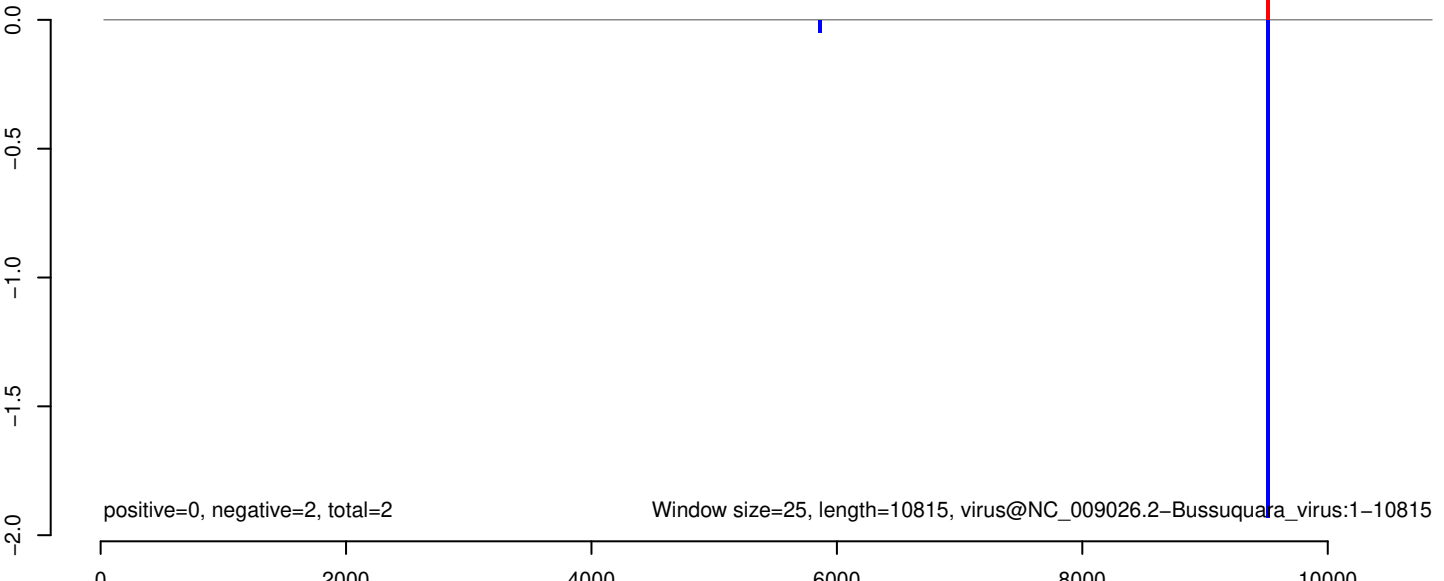
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



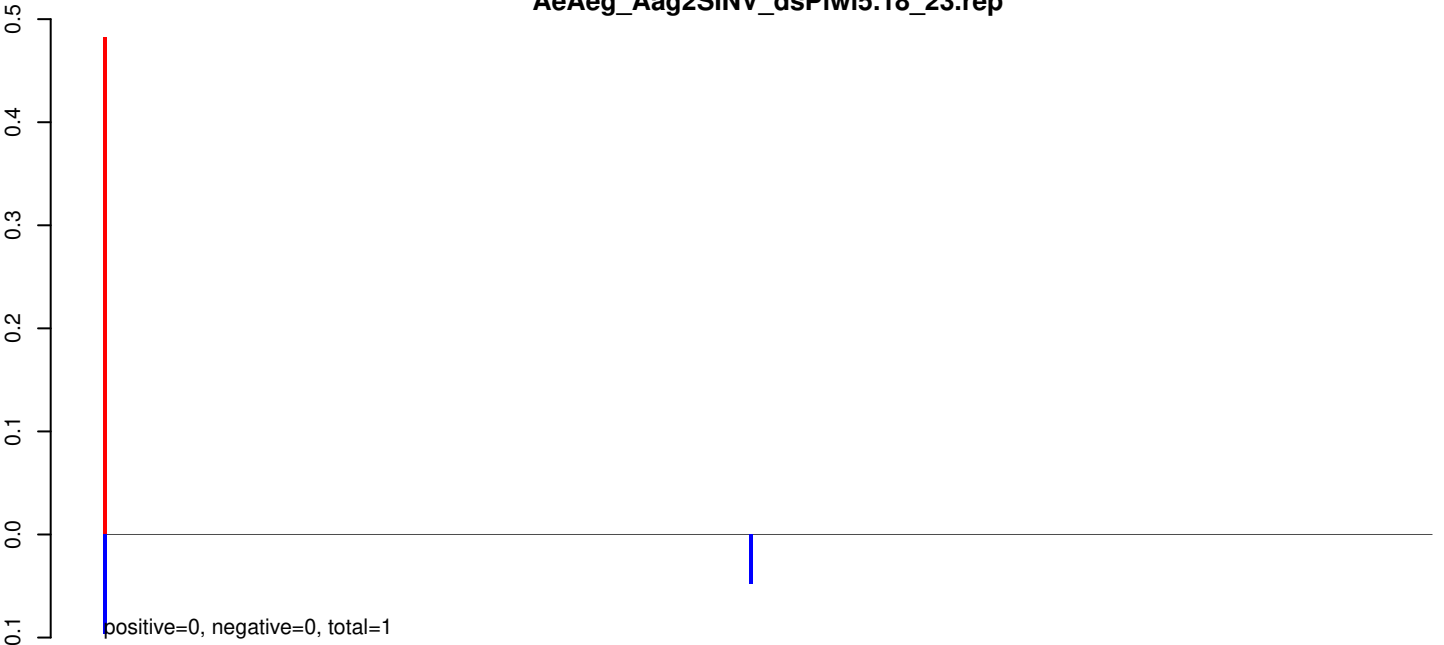
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



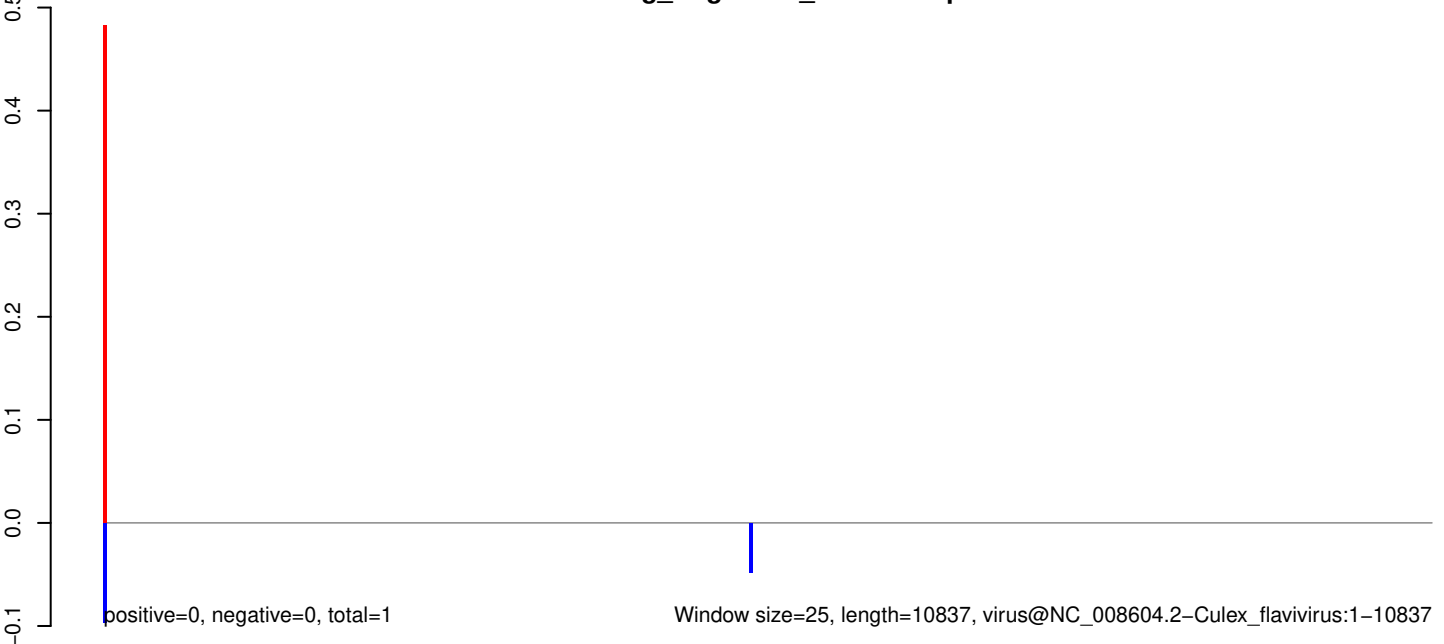
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



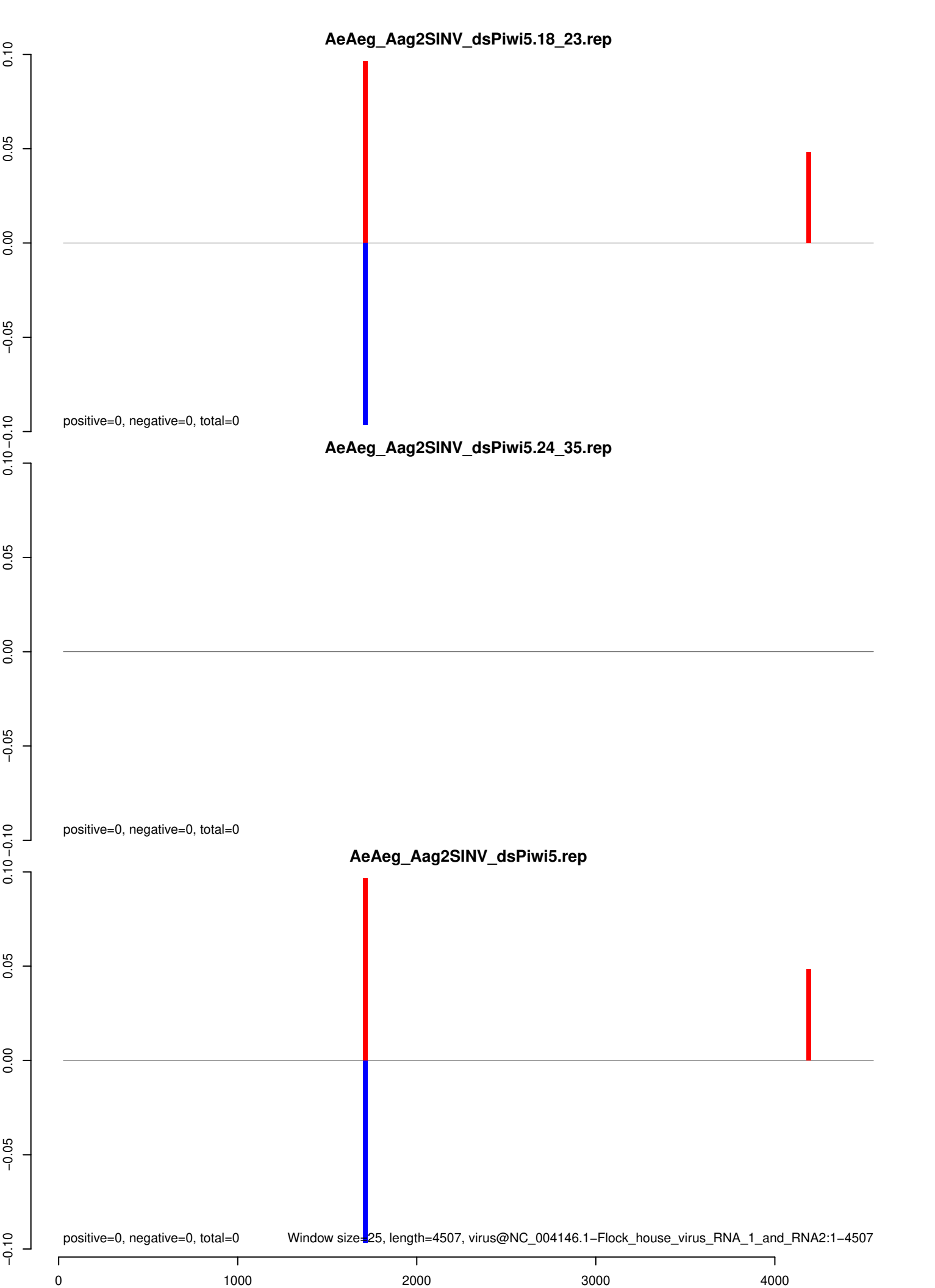
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



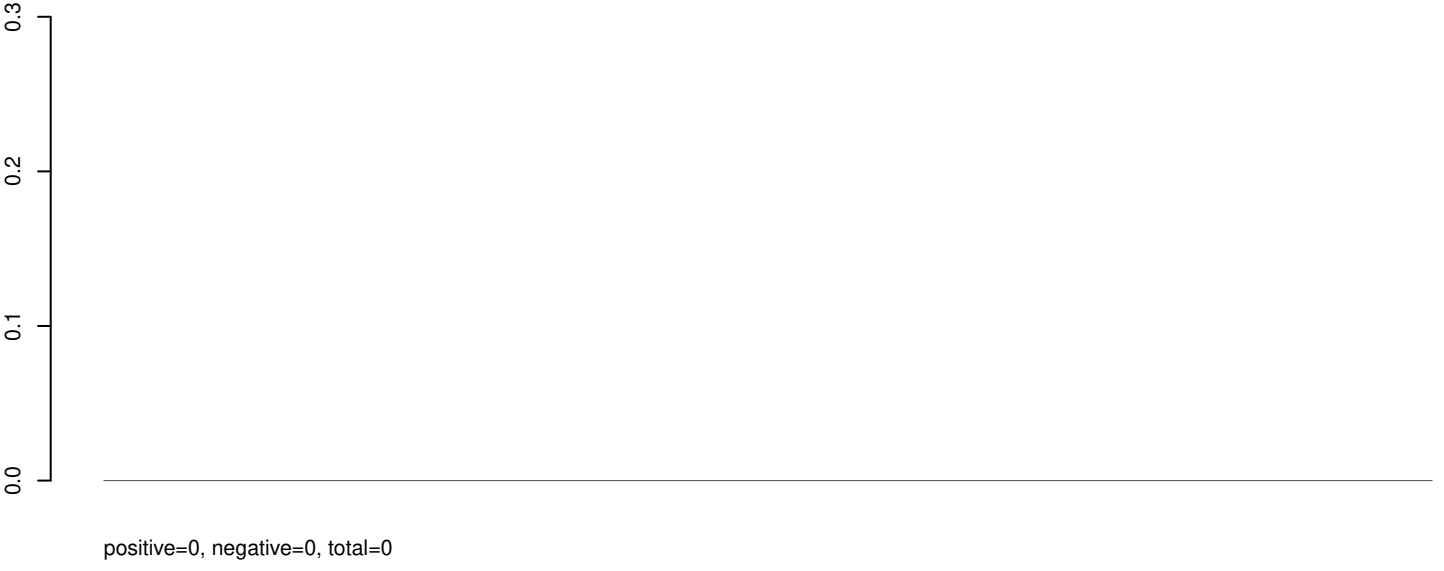
Window size=25, length=10837, virus@NC\_008604.2-Culex\_flavivirus:1-10837



**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

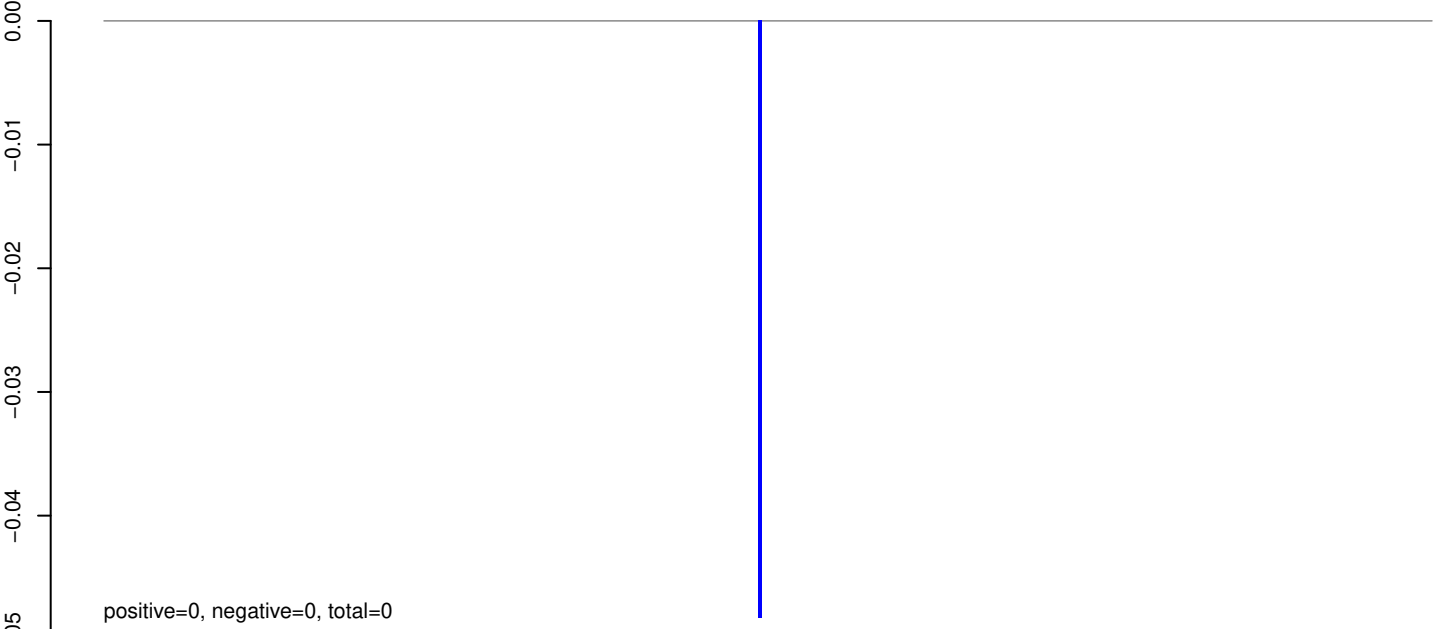


**AeAeg\_Aag2SINV\_dsPiwi5.rep**

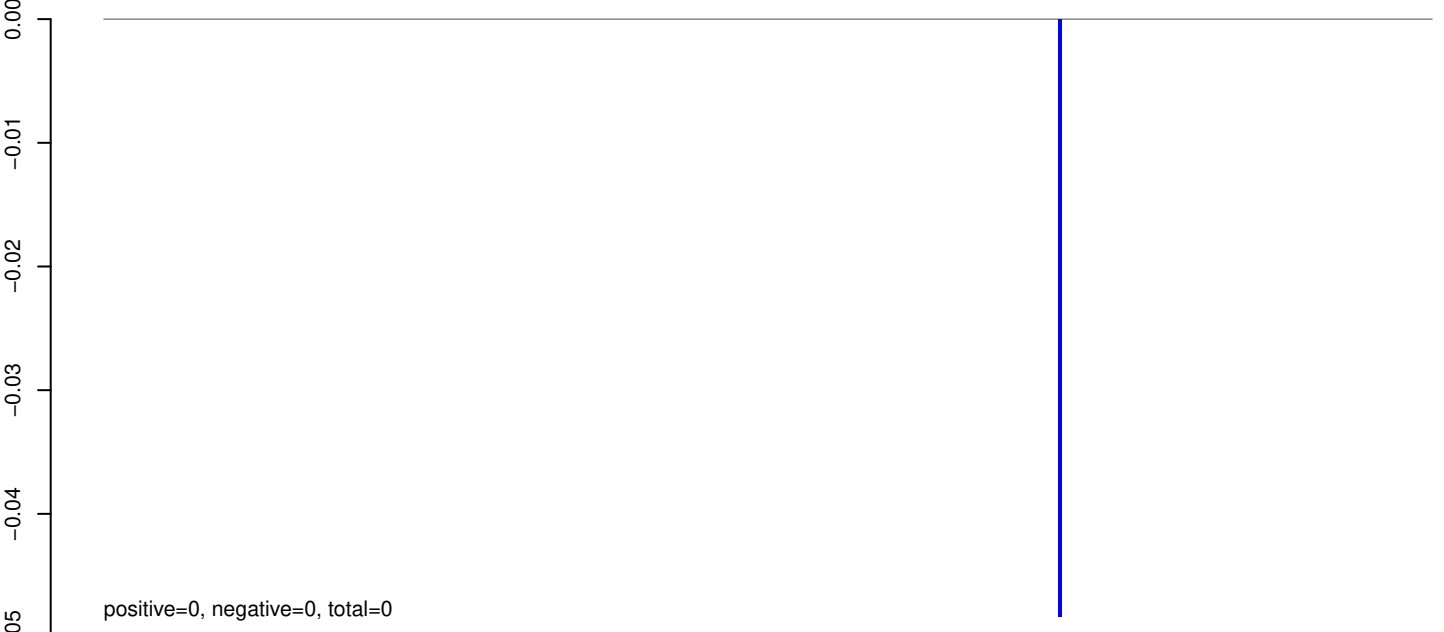


0 2000 4000 6000 8000 10000

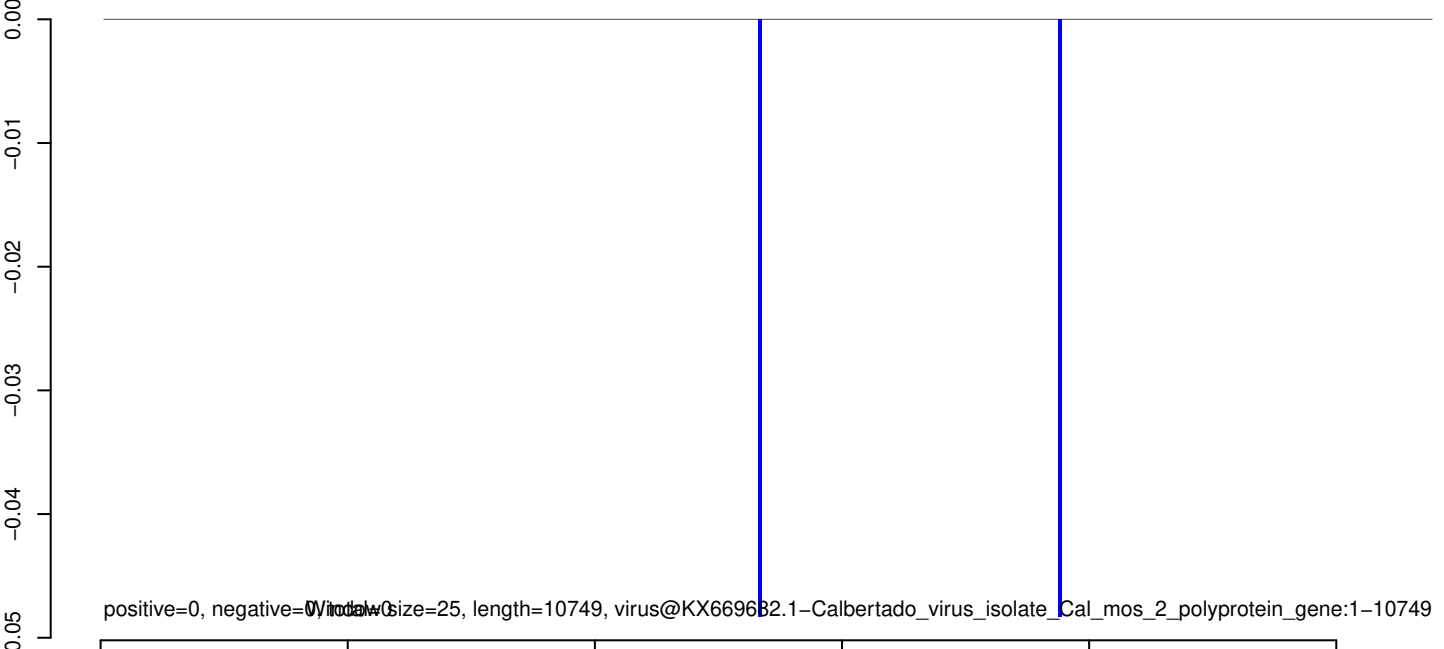
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**

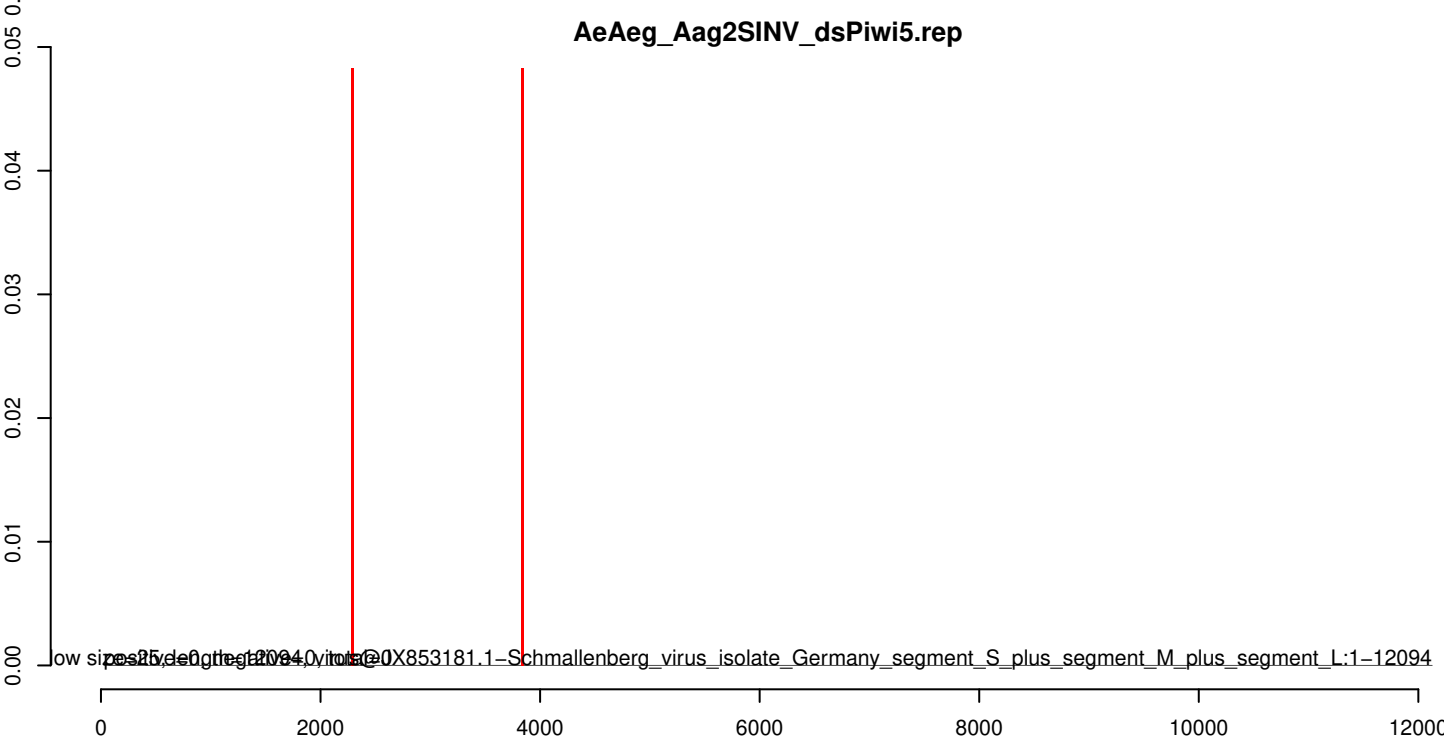
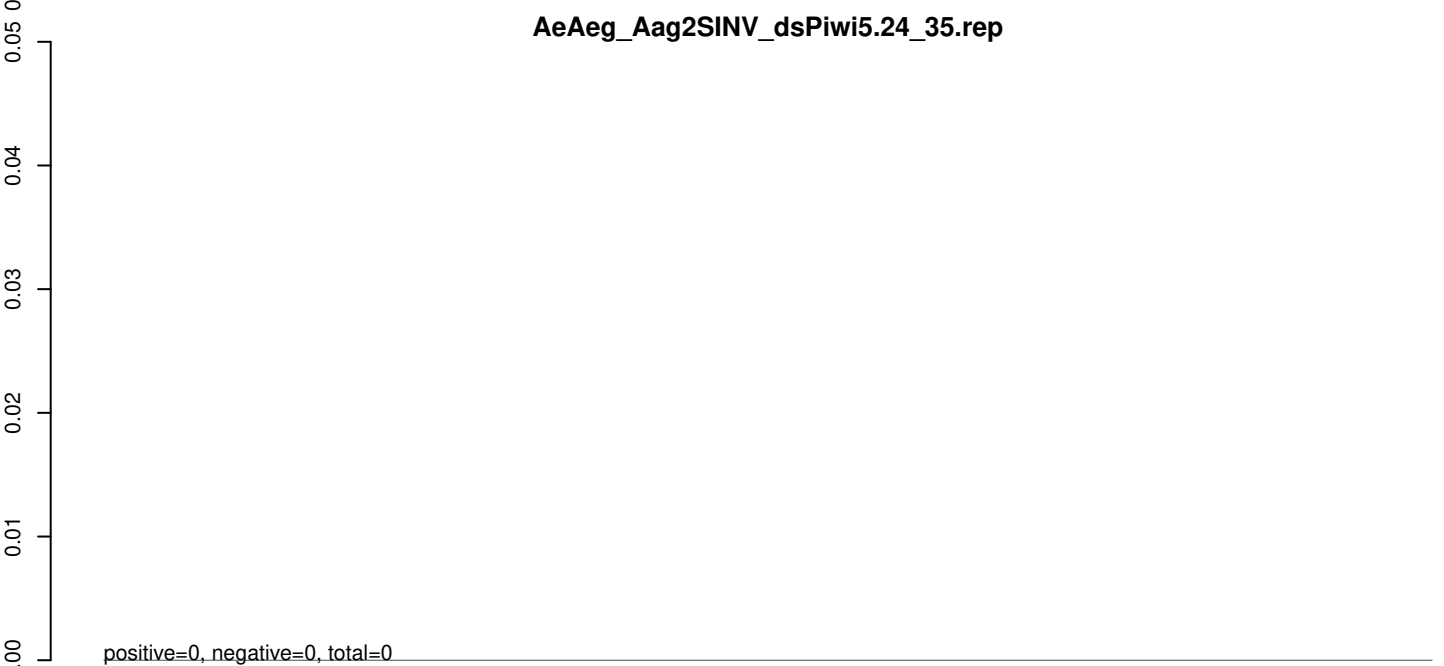
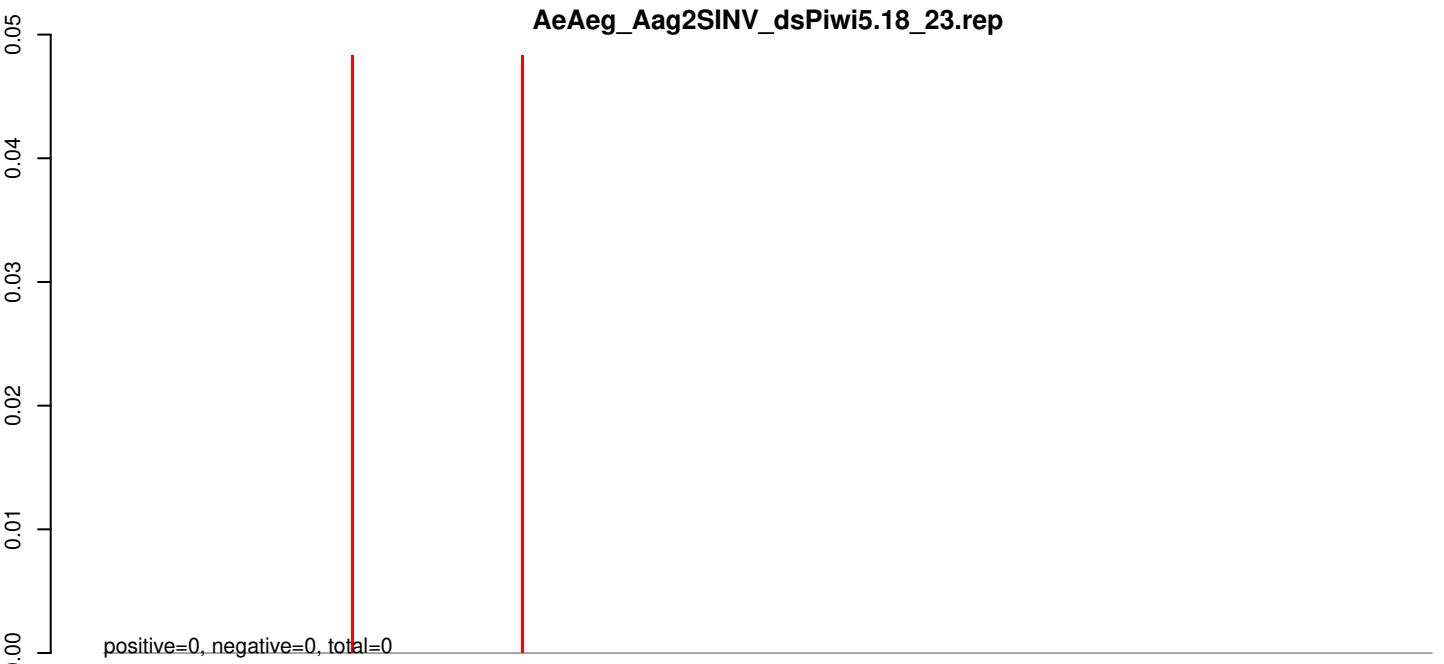


Window size=25, length=10749, virus@KX669682.1-Calbertado\_virus\_isolate\_Cal\_mos\_2\_polyprotein\_gene:1-10749

0 2000 4000 6000 8000 10000







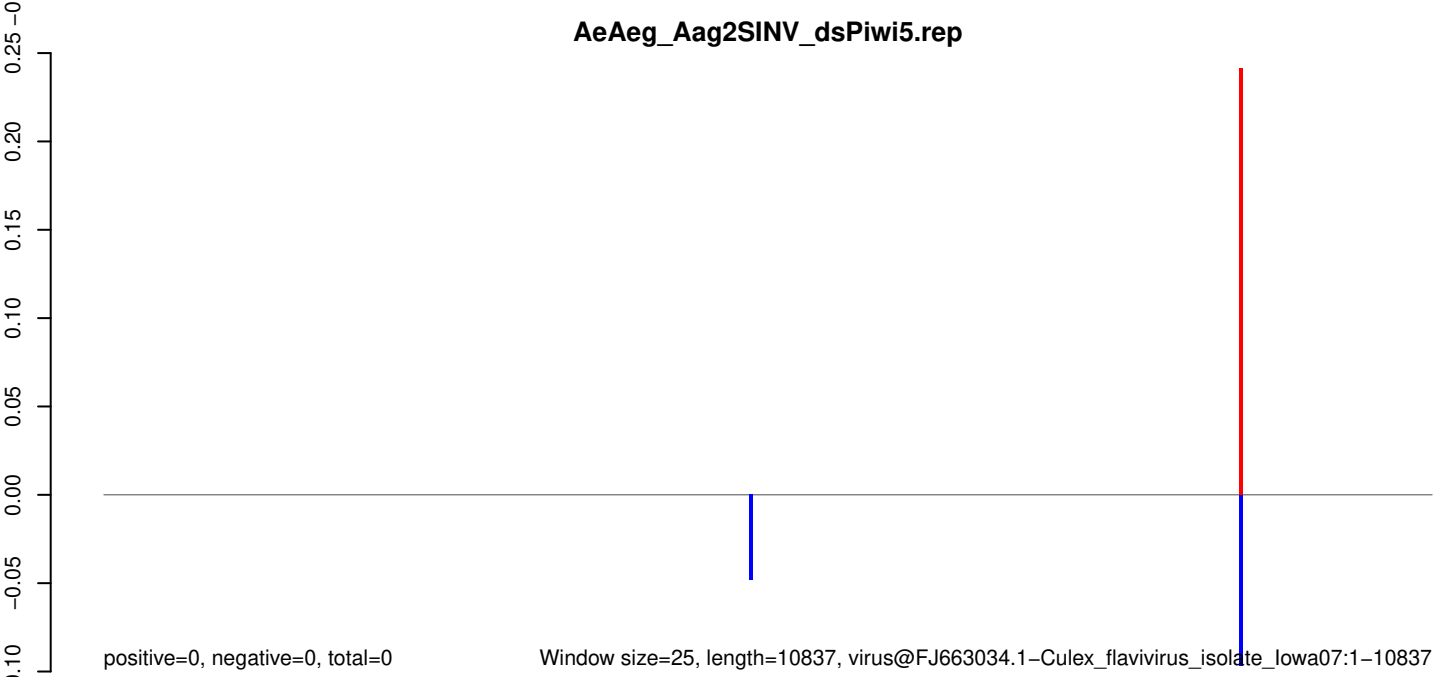
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



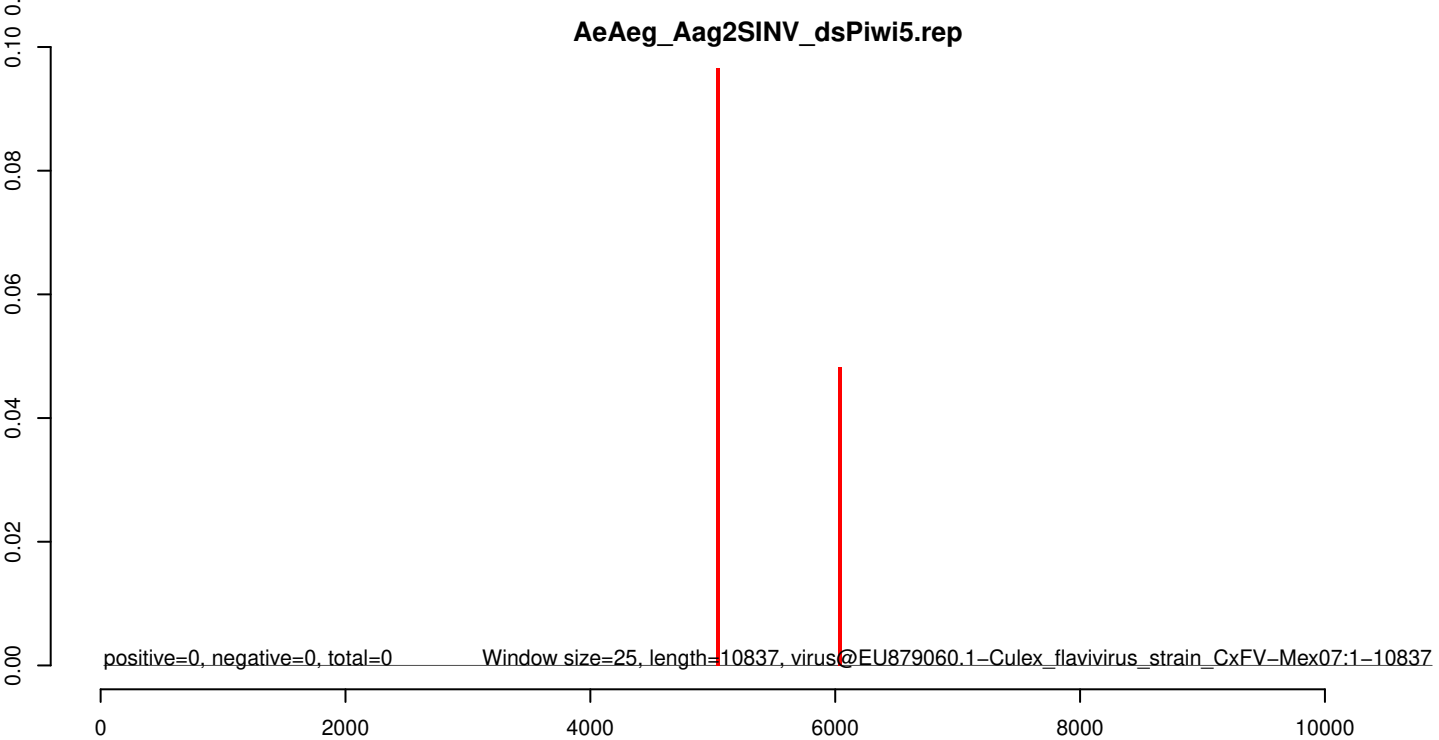
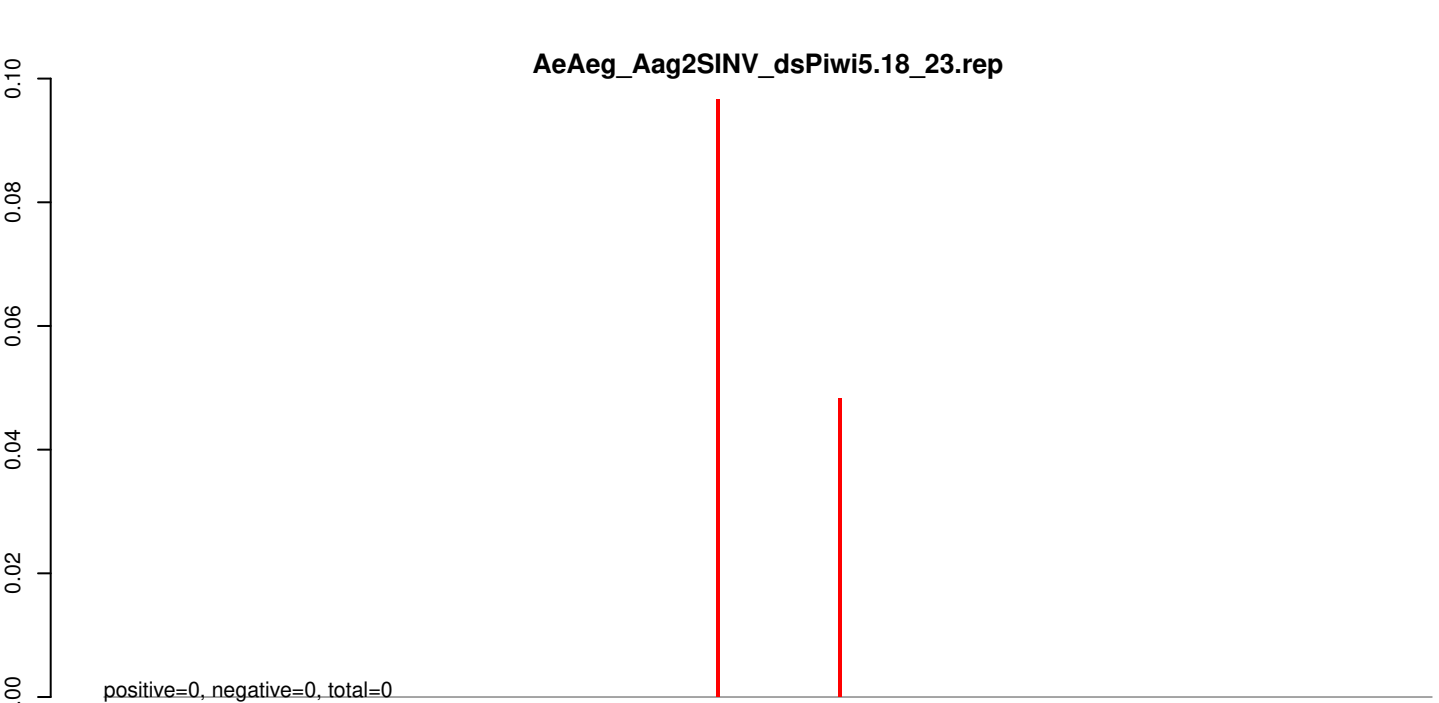
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



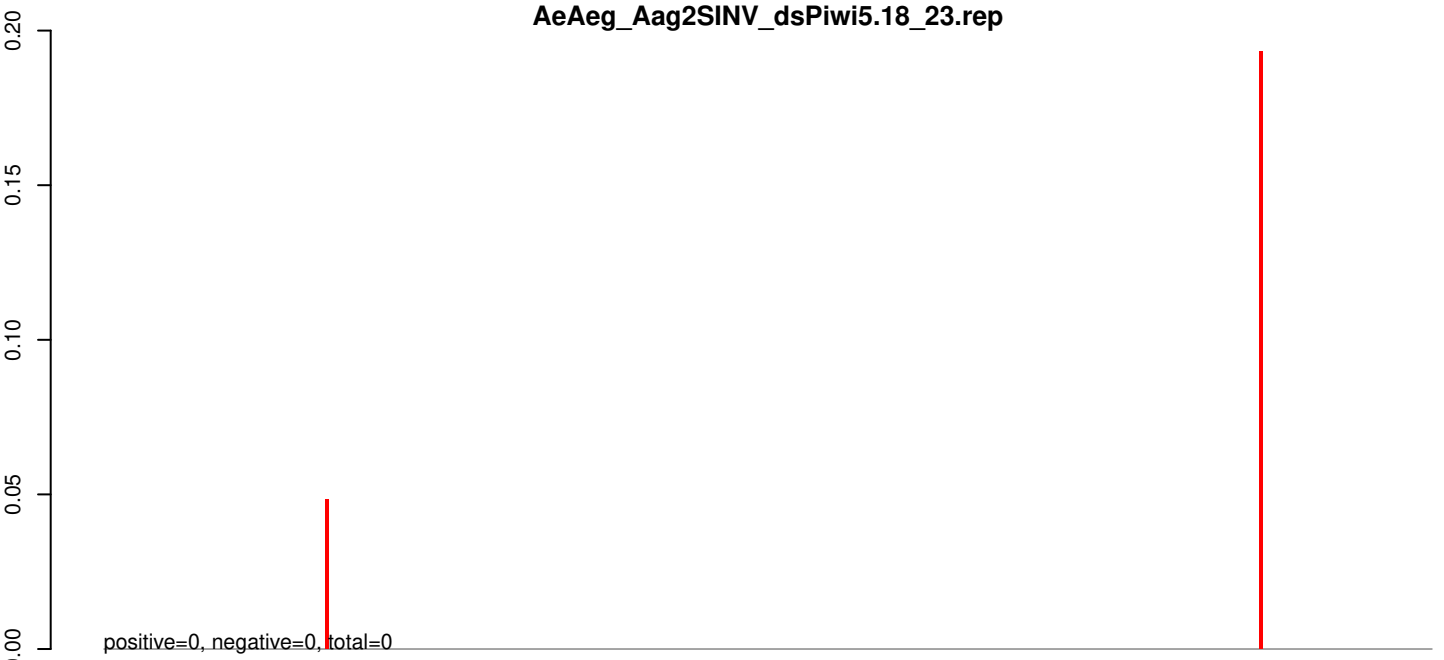
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



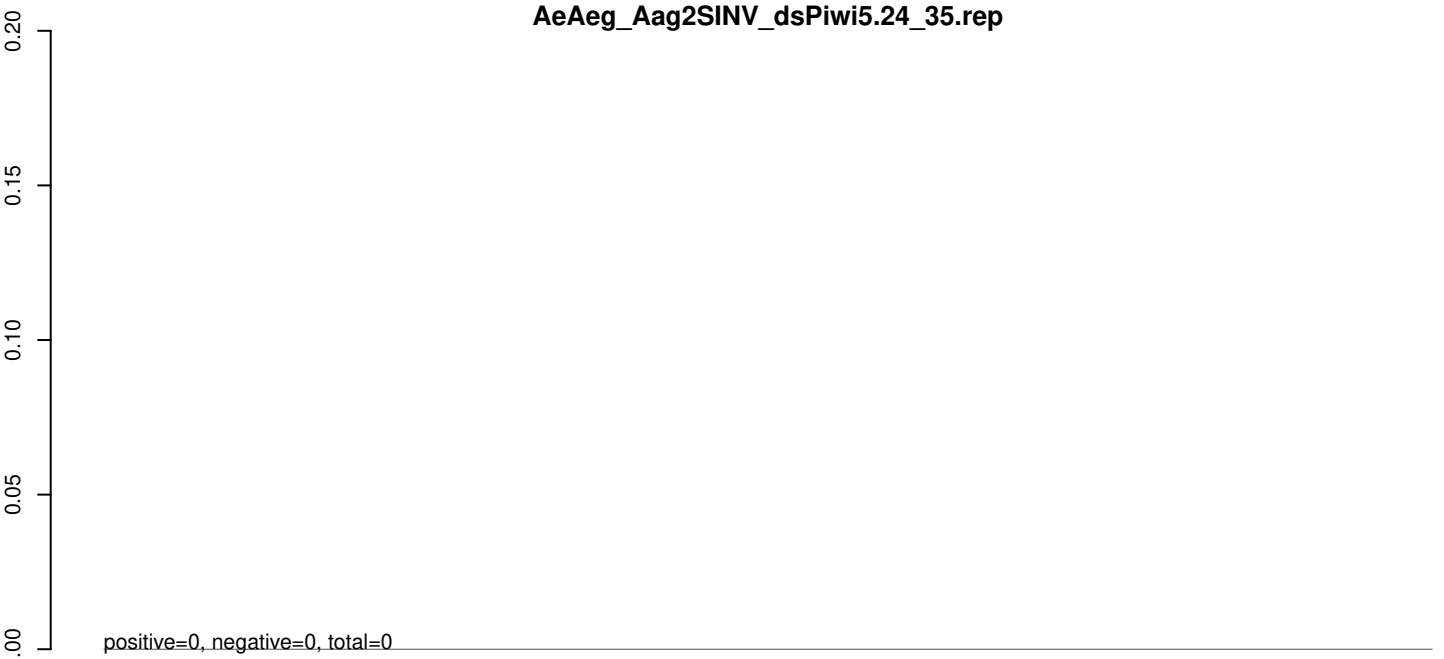
0 2000 4000 6000 8000 10000



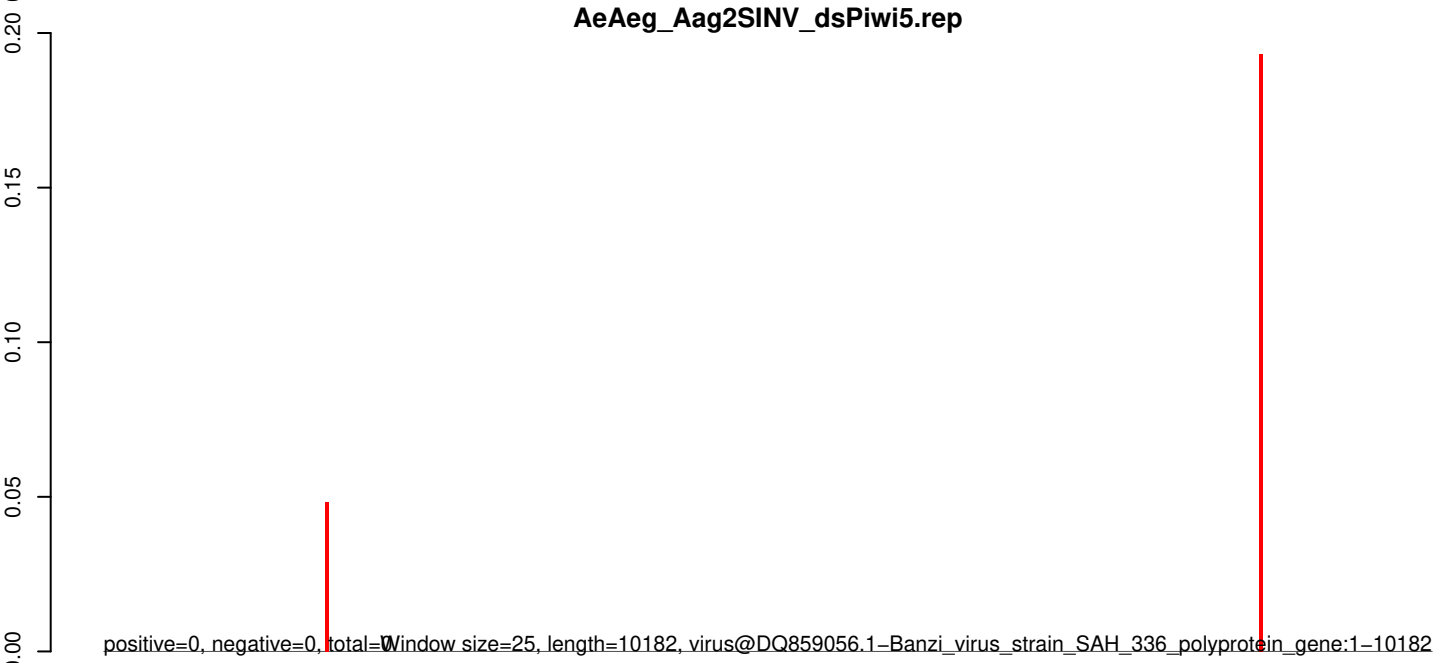
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



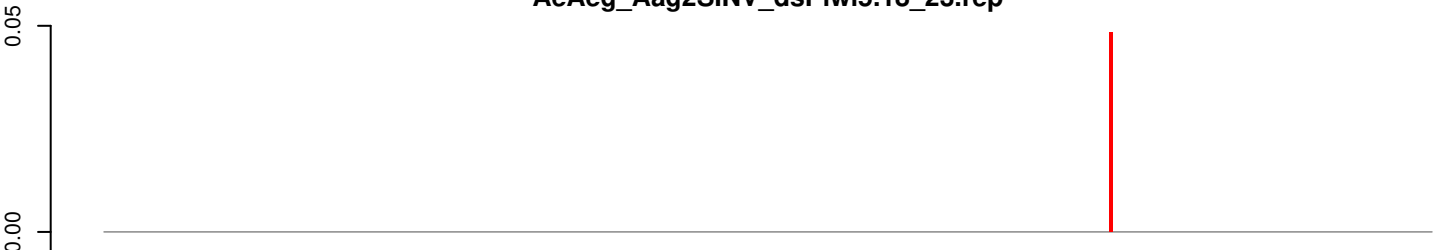
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



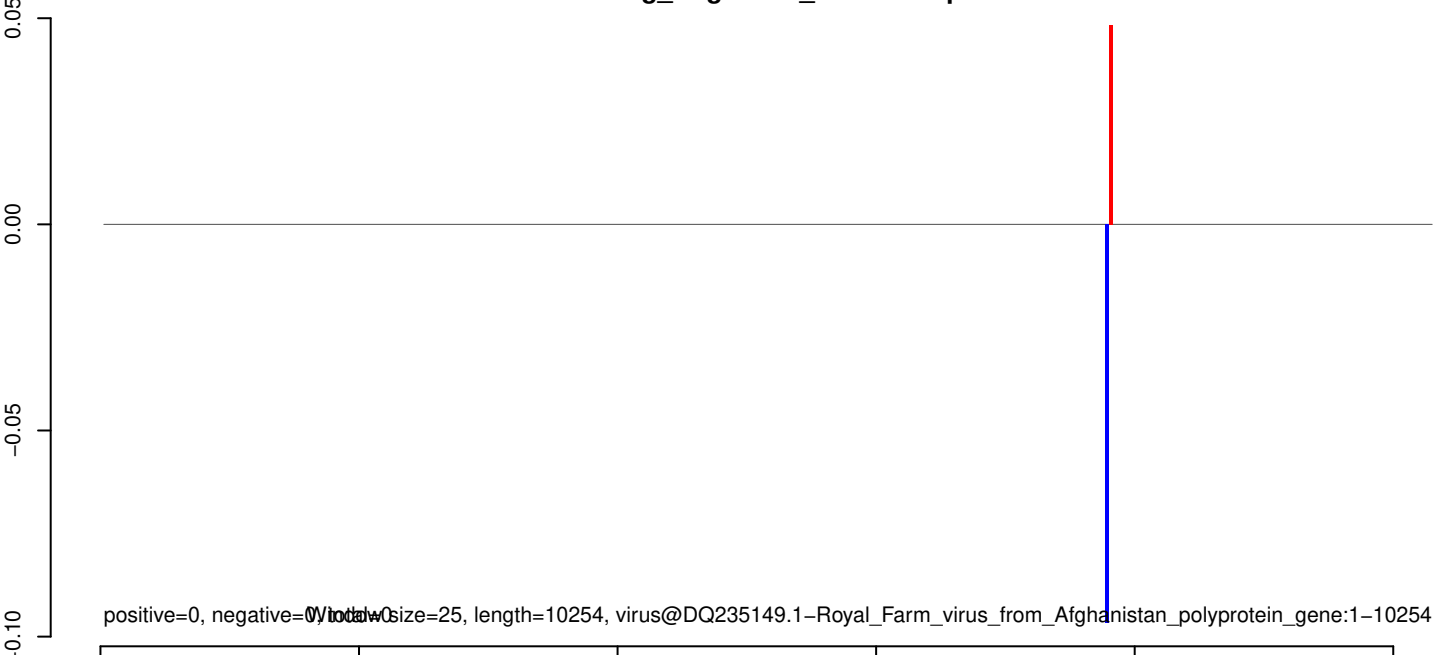
positive=0, negative=0, total=0

**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



positive=0, negative=0, total=0

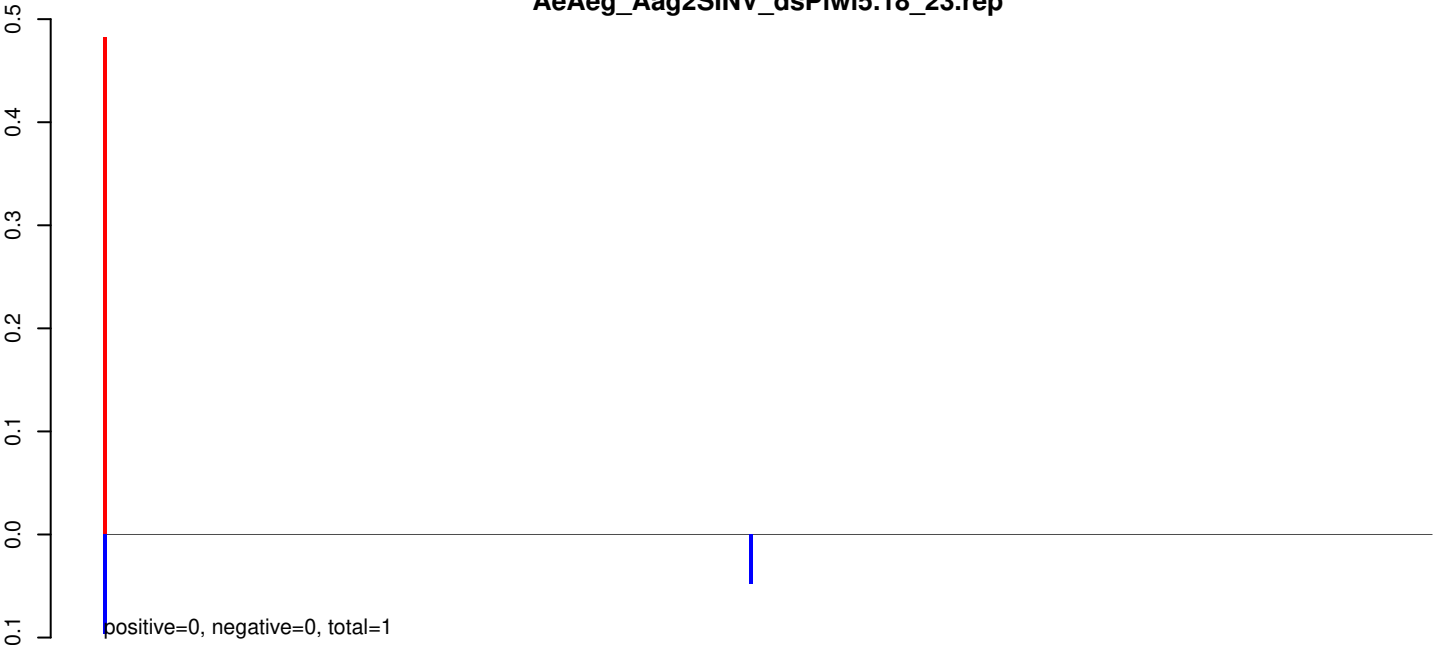
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



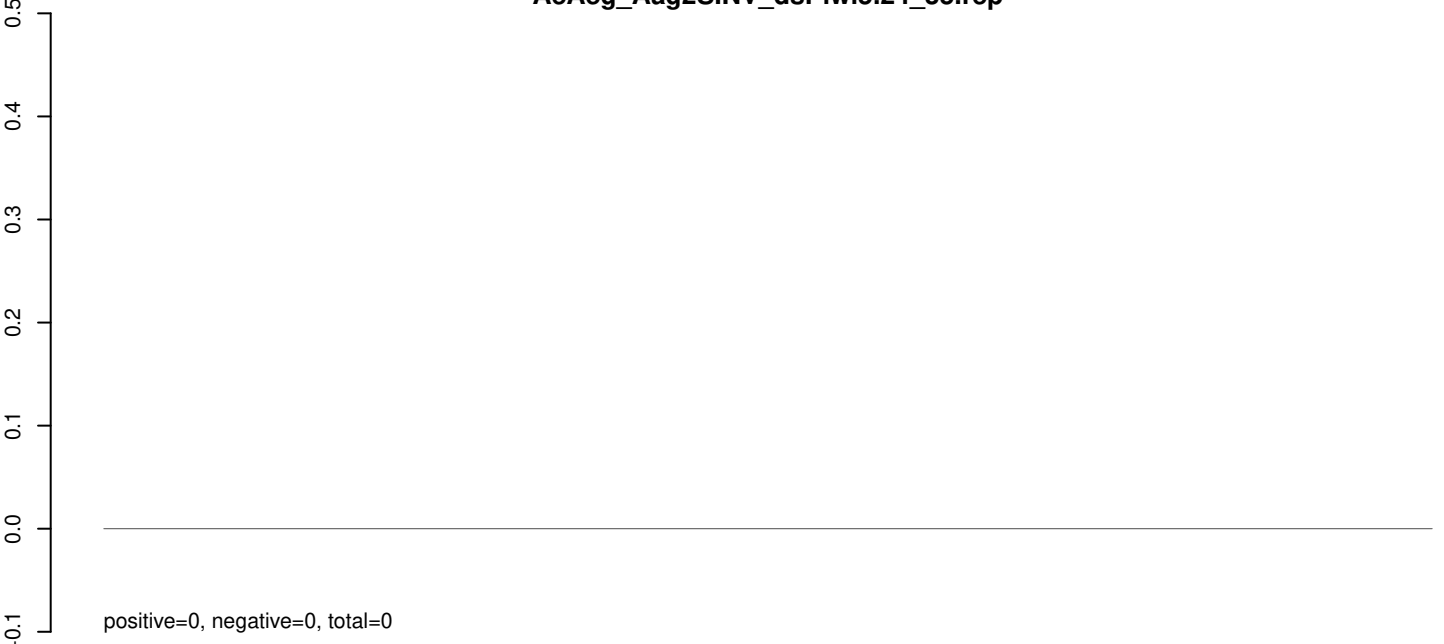
positive=0, negative=0, total=0  
Window size=25, length=10254, virus@DQ235149.1-Royal\_Farm\_virus\_from\_Afghanistan\_polyprotein\_gene:1-10254

0 2000 4000 6000 8000 10000

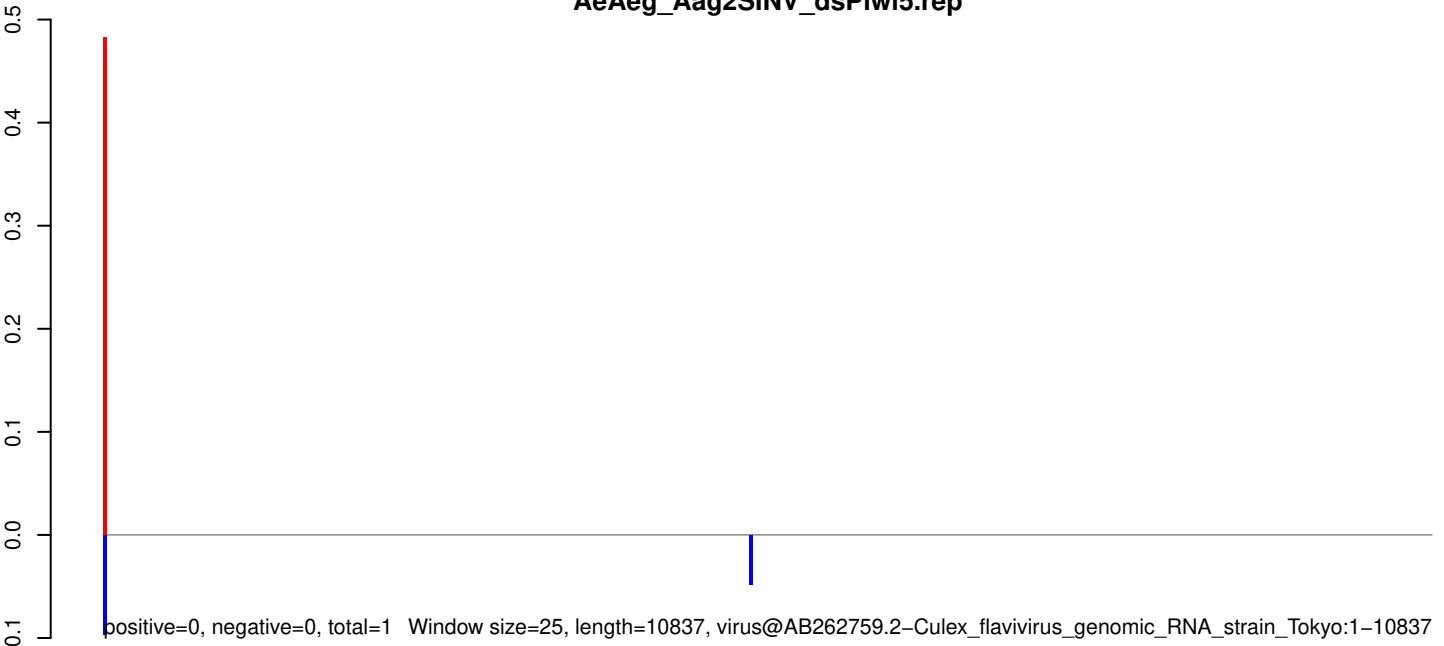
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



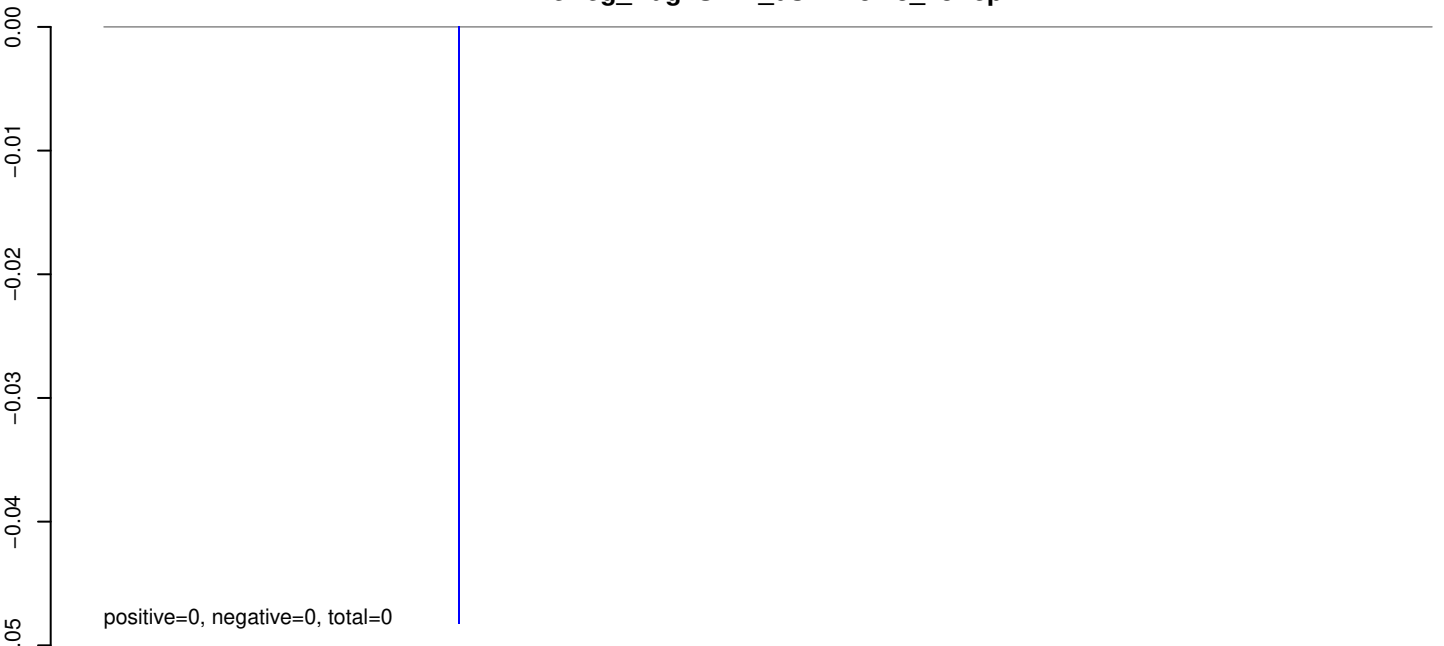
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



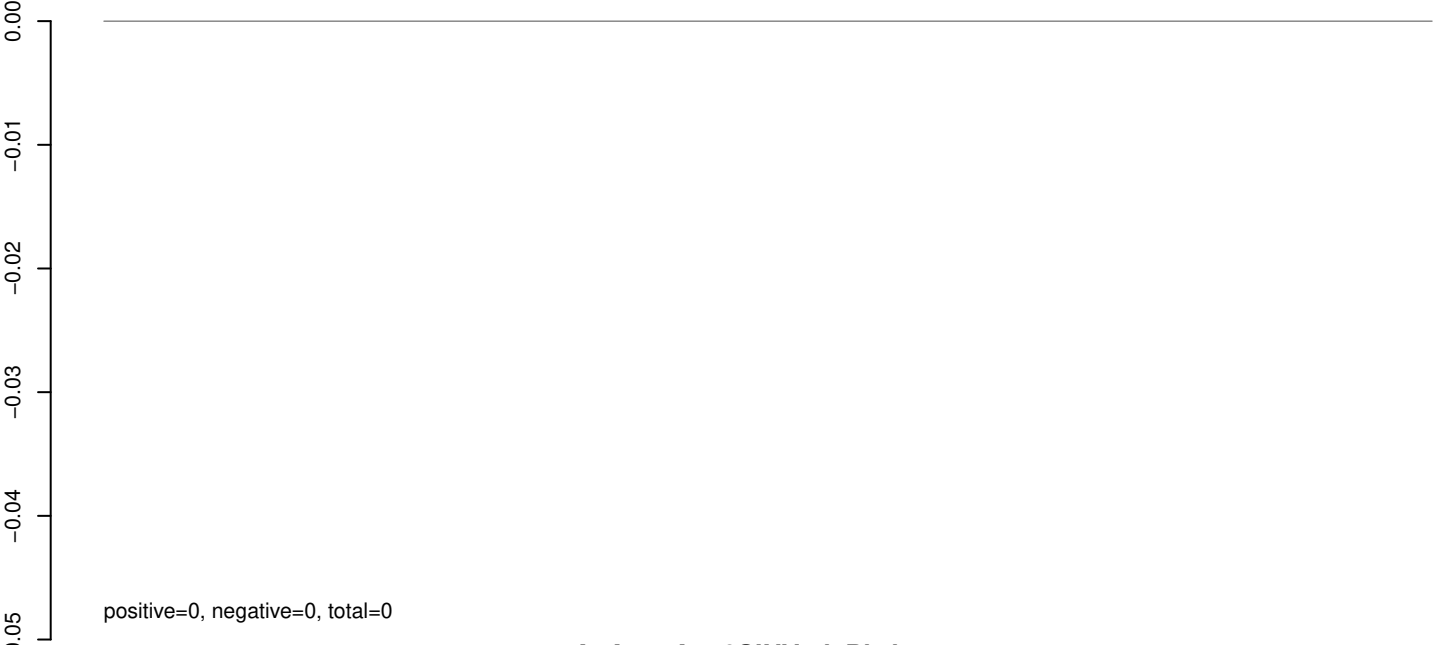
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



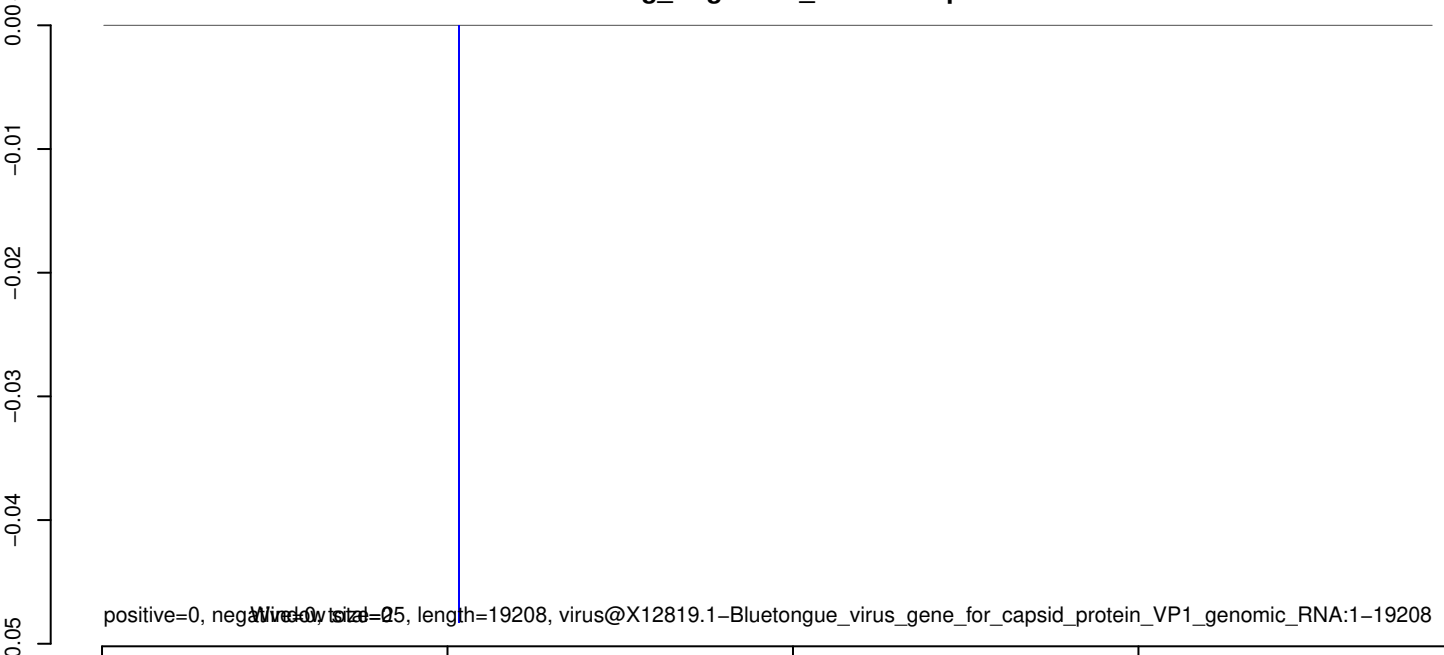
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



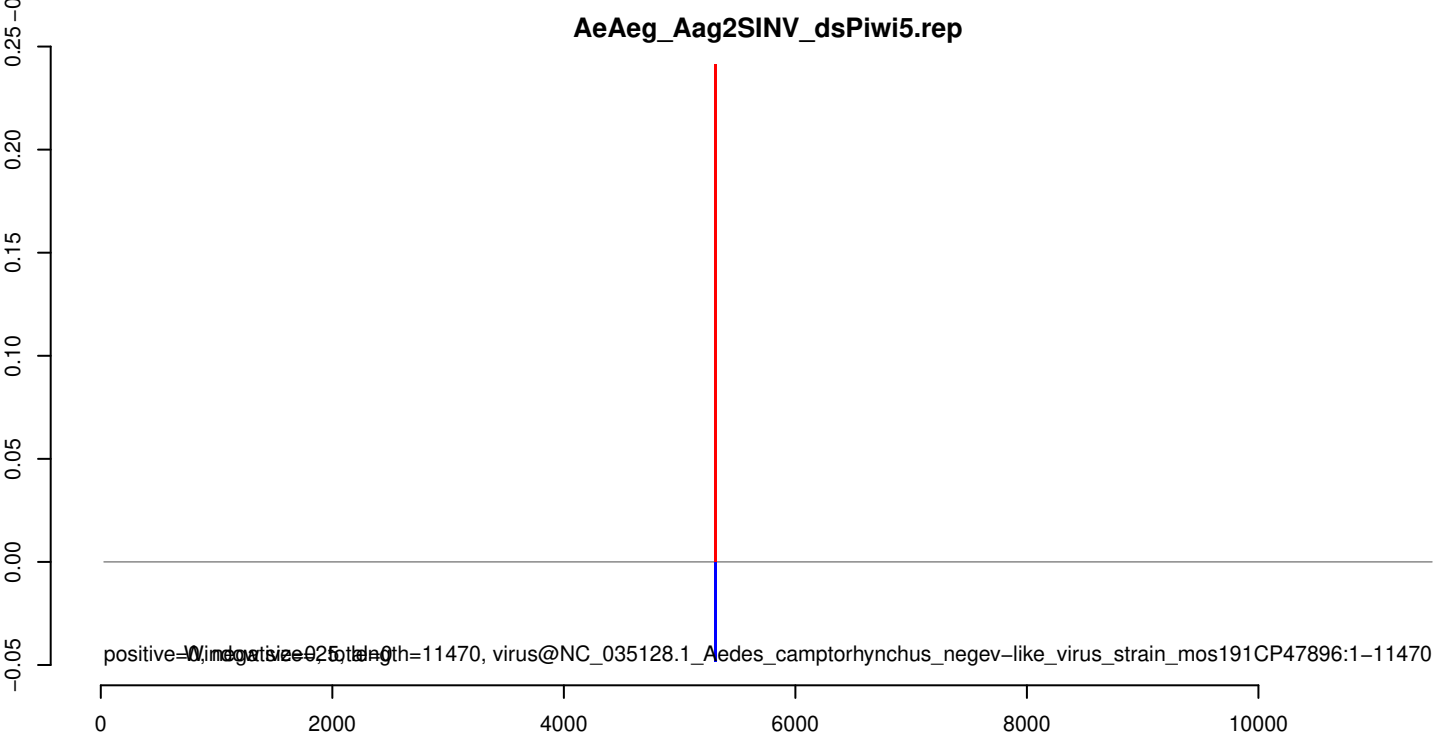
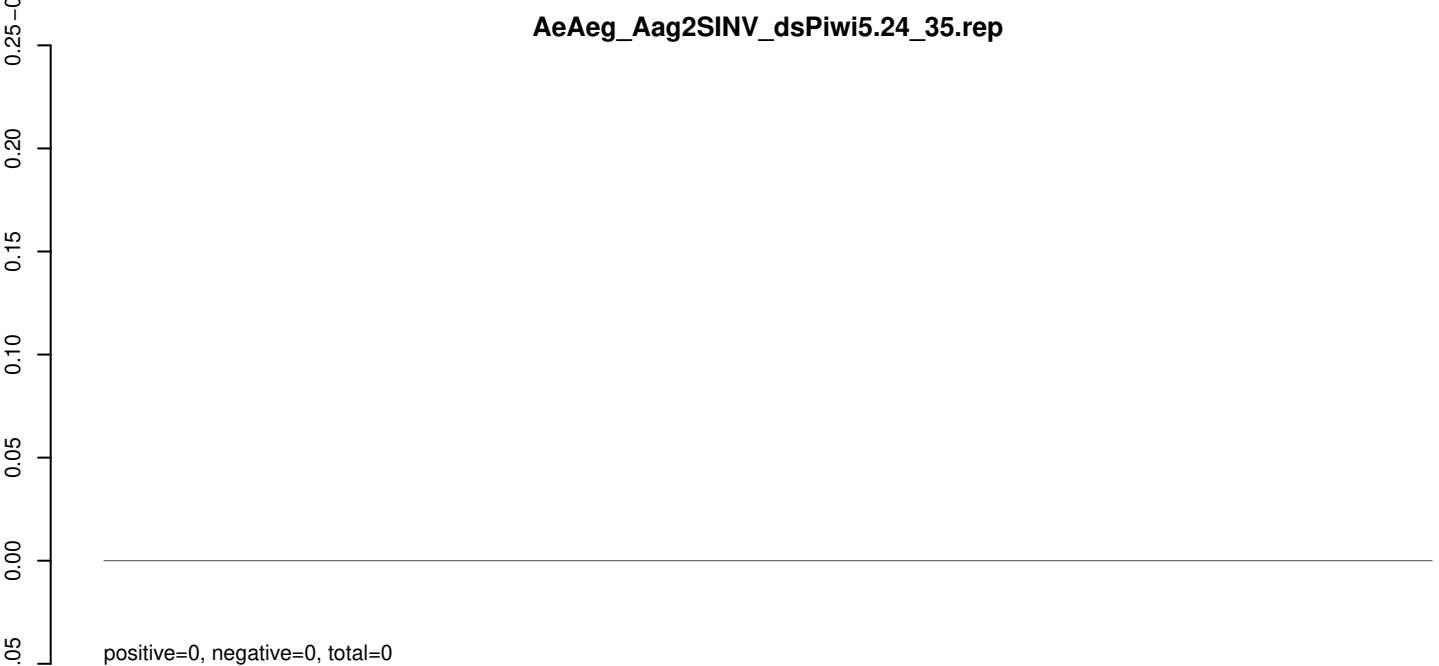
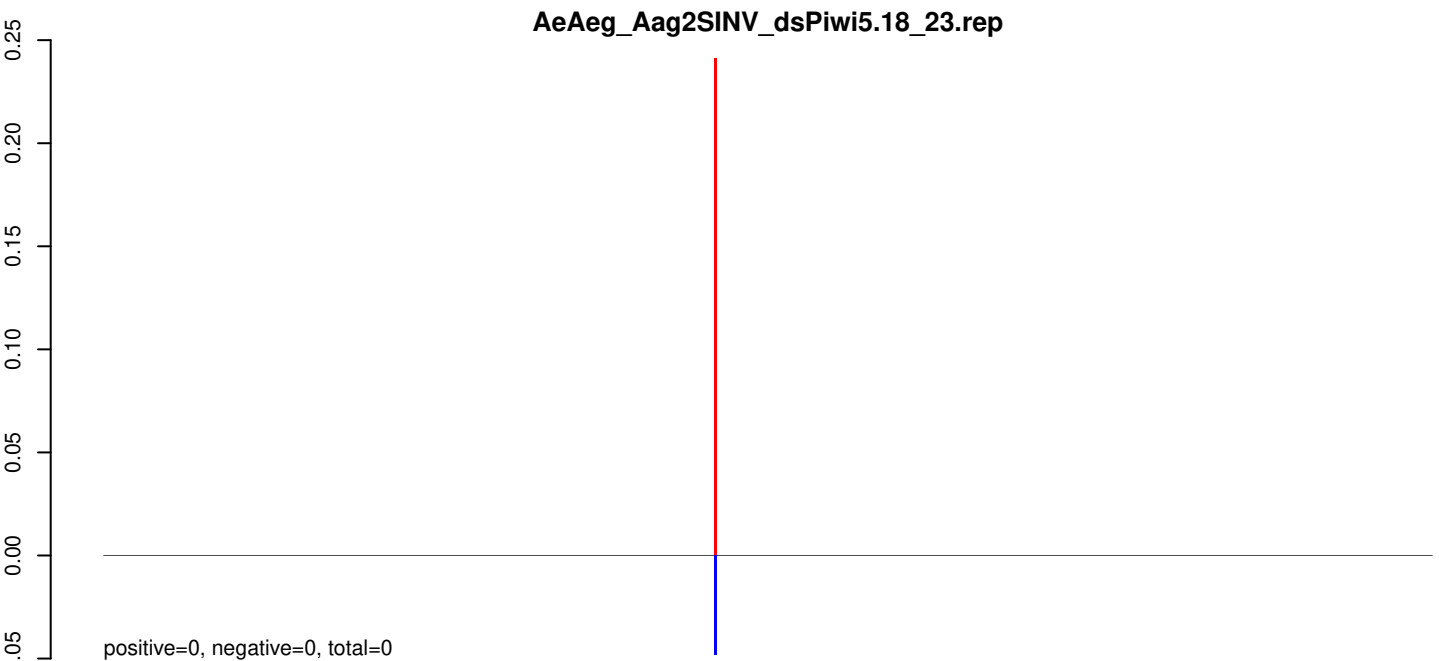
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



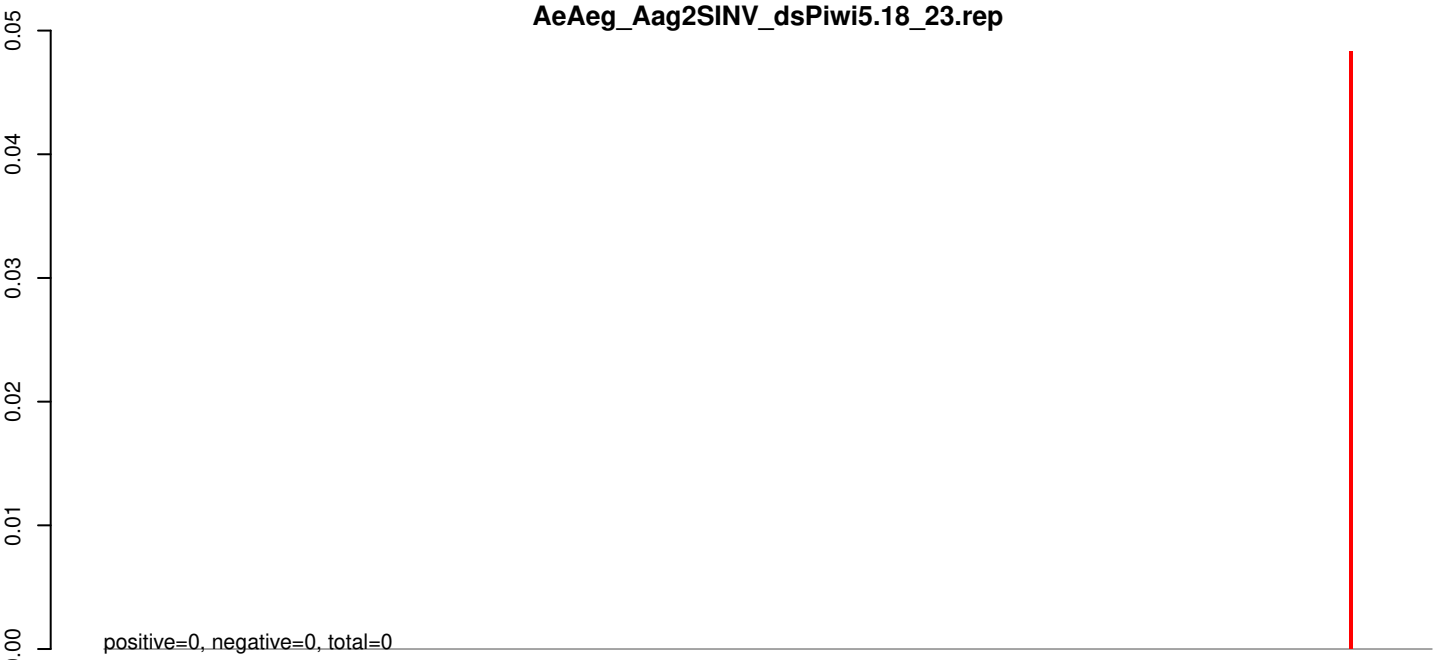
Window size=25, length=19208, virus@X12819.1-Bluetongue\_virus\_gene\_for\_capsid\_protein\_VP1\_genomic\_RNA:1-19208

0 5000 10000 15000 20000

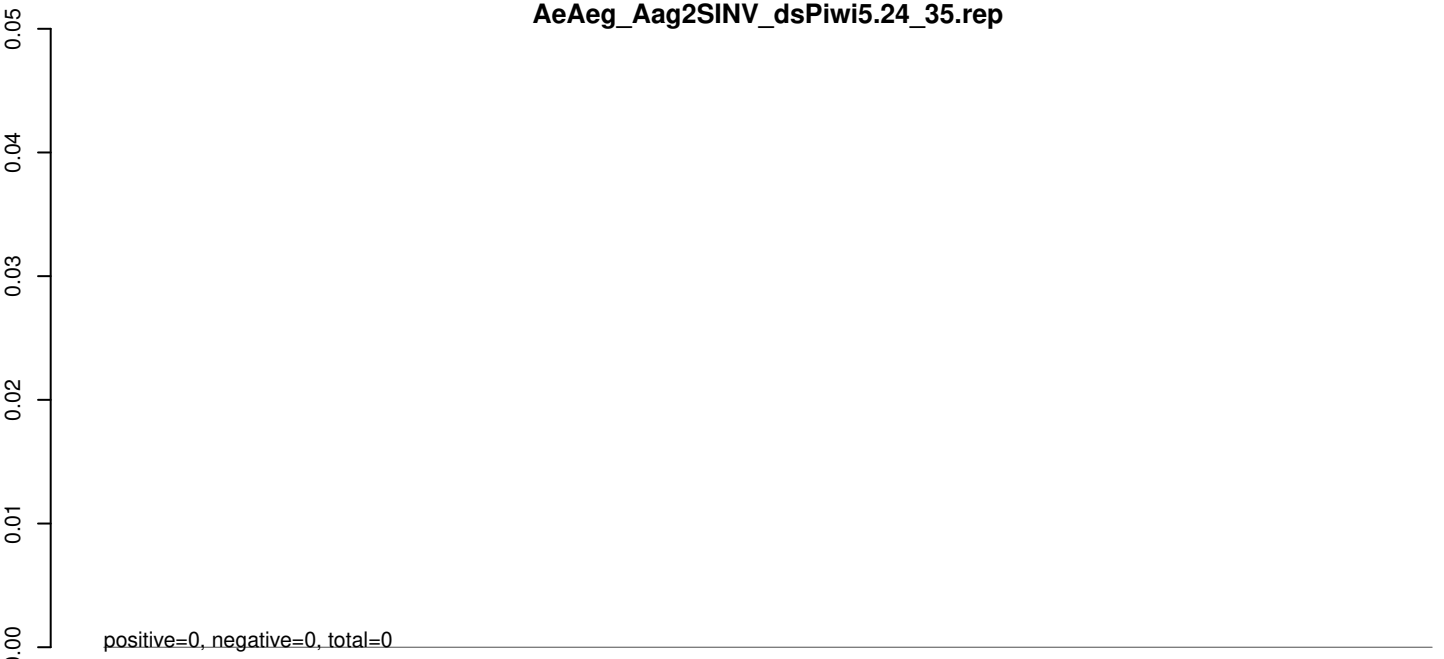




**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



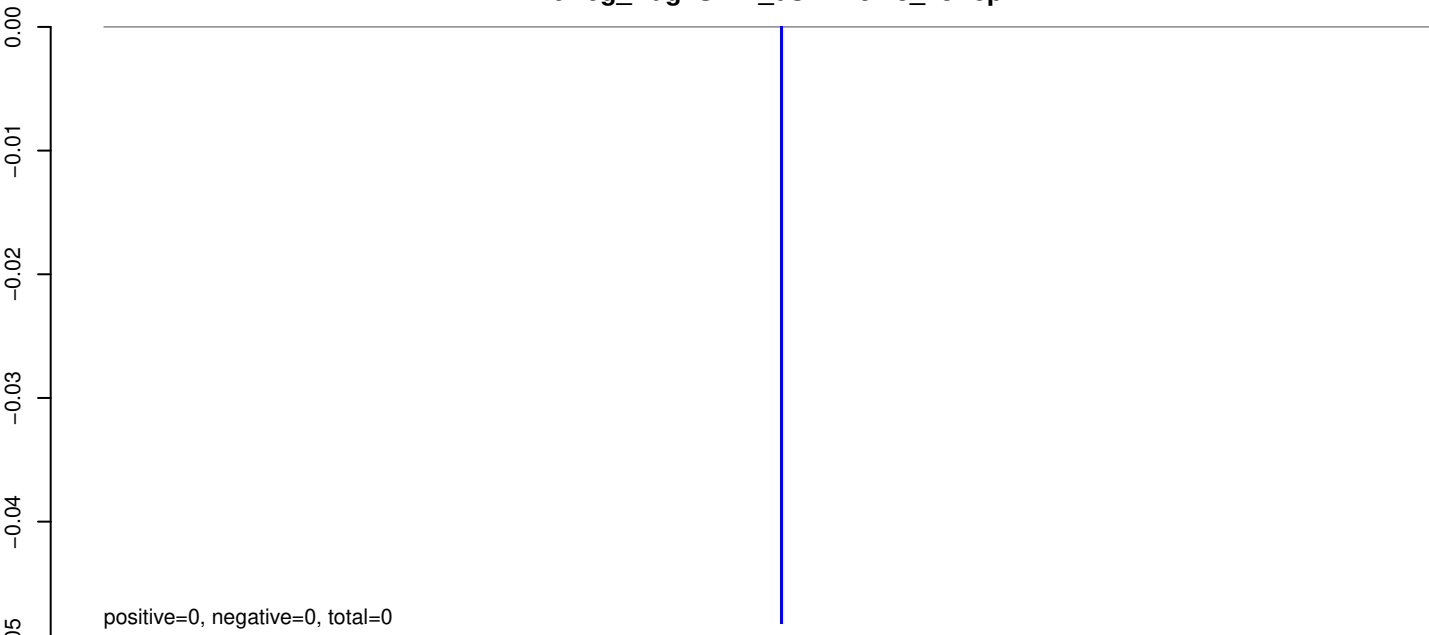
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



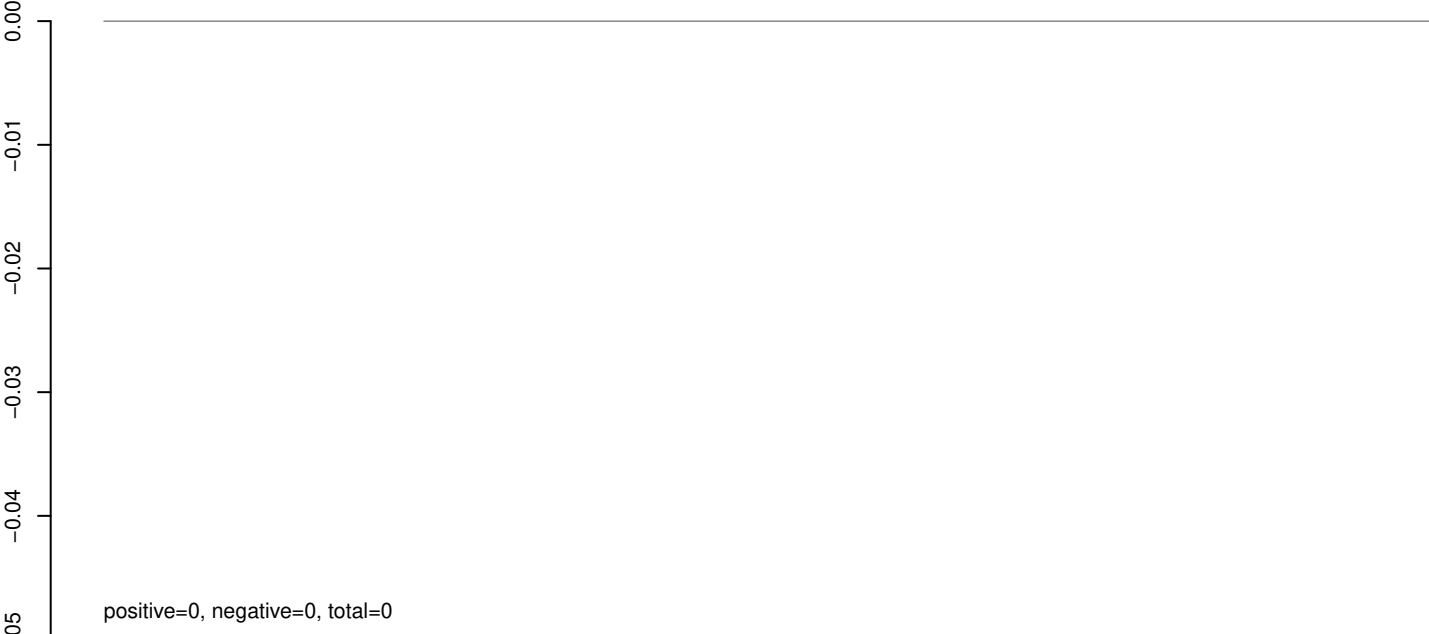
Window size=25, length=10867, virus@NC\_035124.1\_Culex\_negev-like\_virus\_1\_strain\_mosWSX37710.1-10867

0 2000 4000 6000 8000 10000

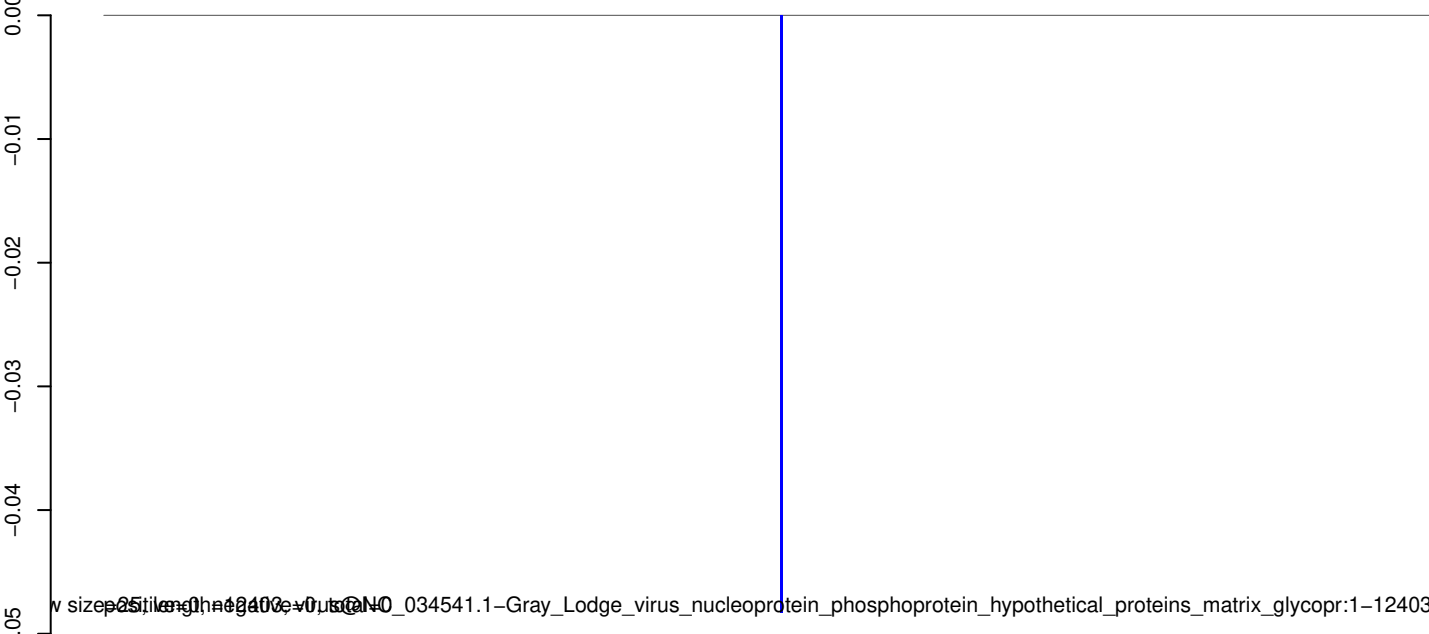
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



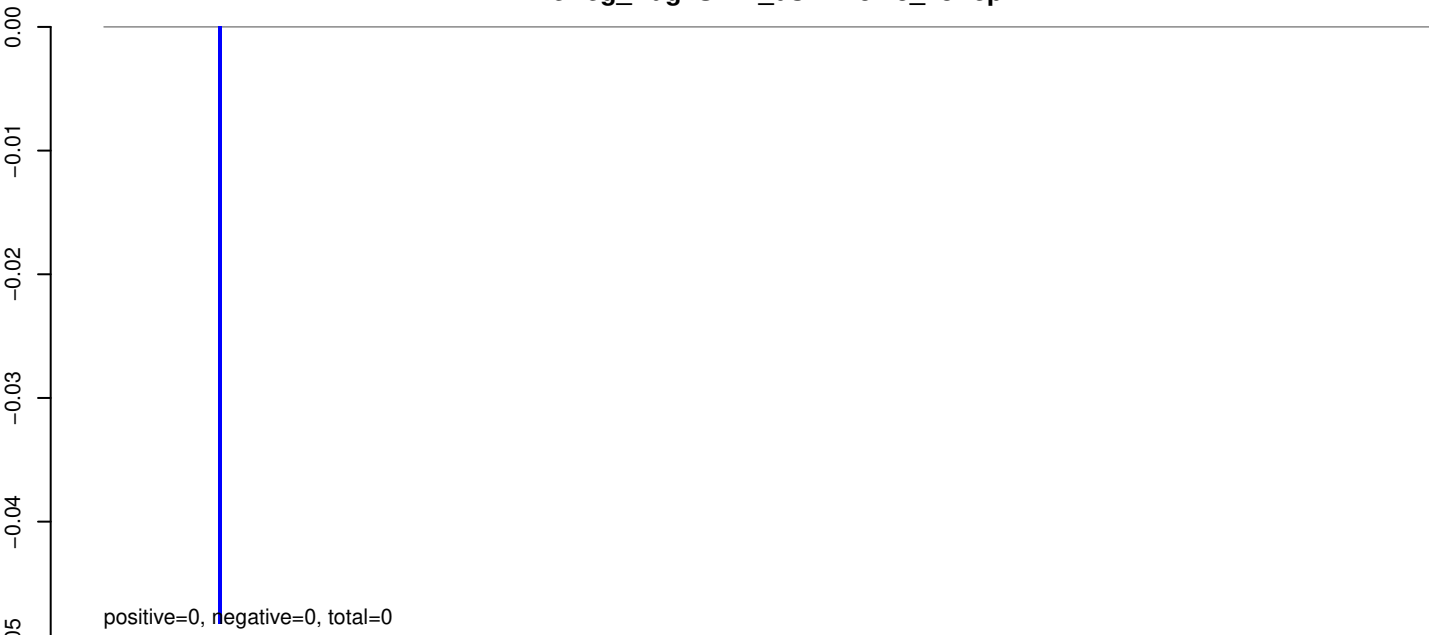
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



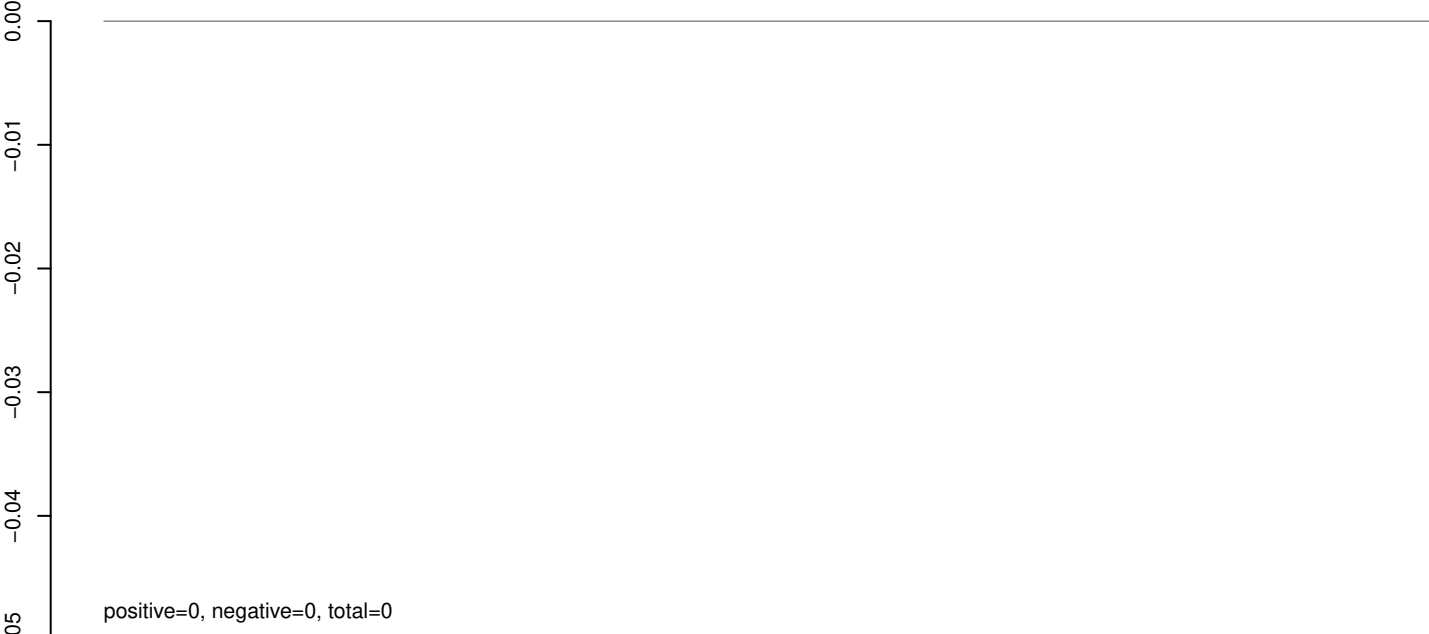
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



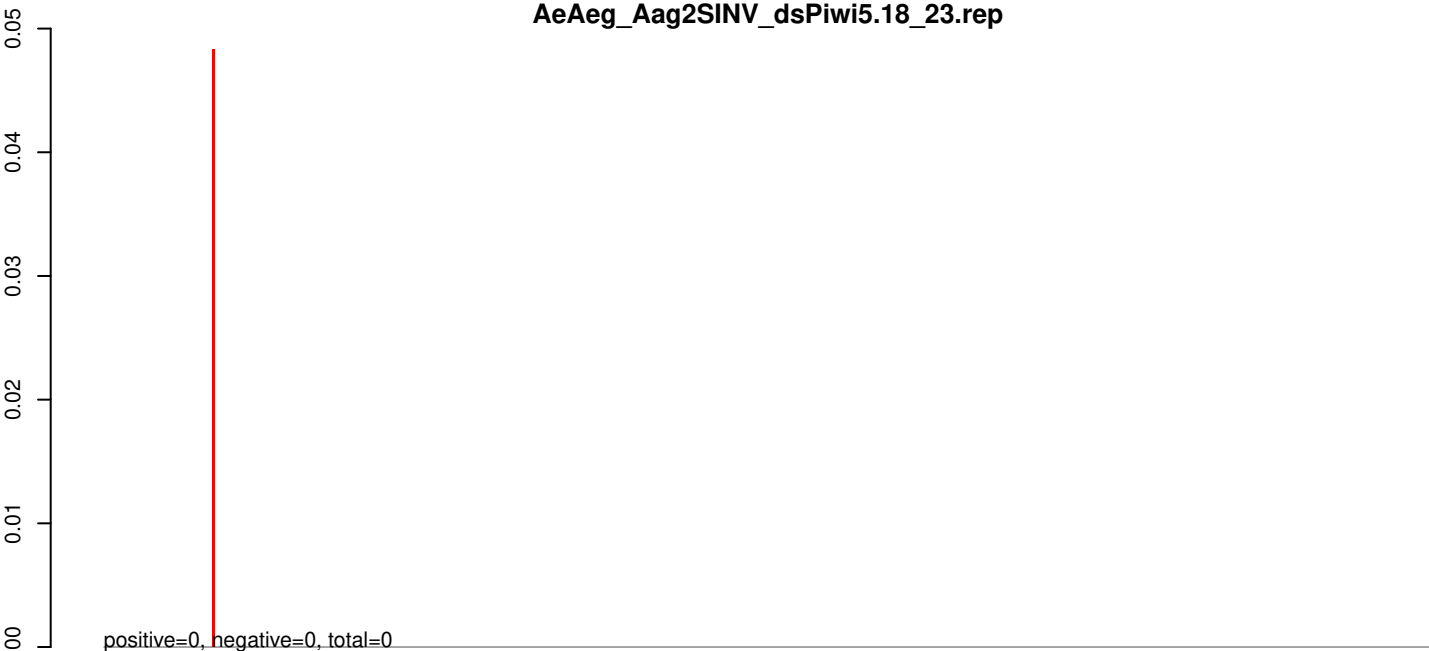
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



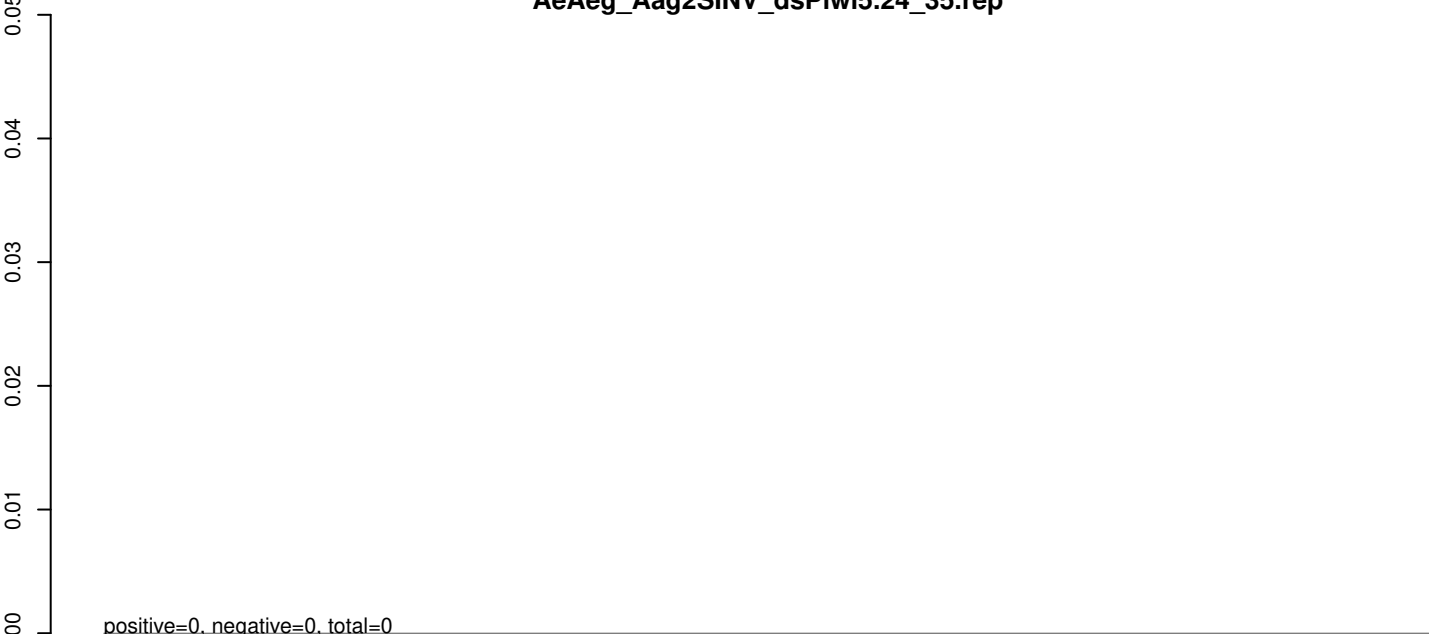
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



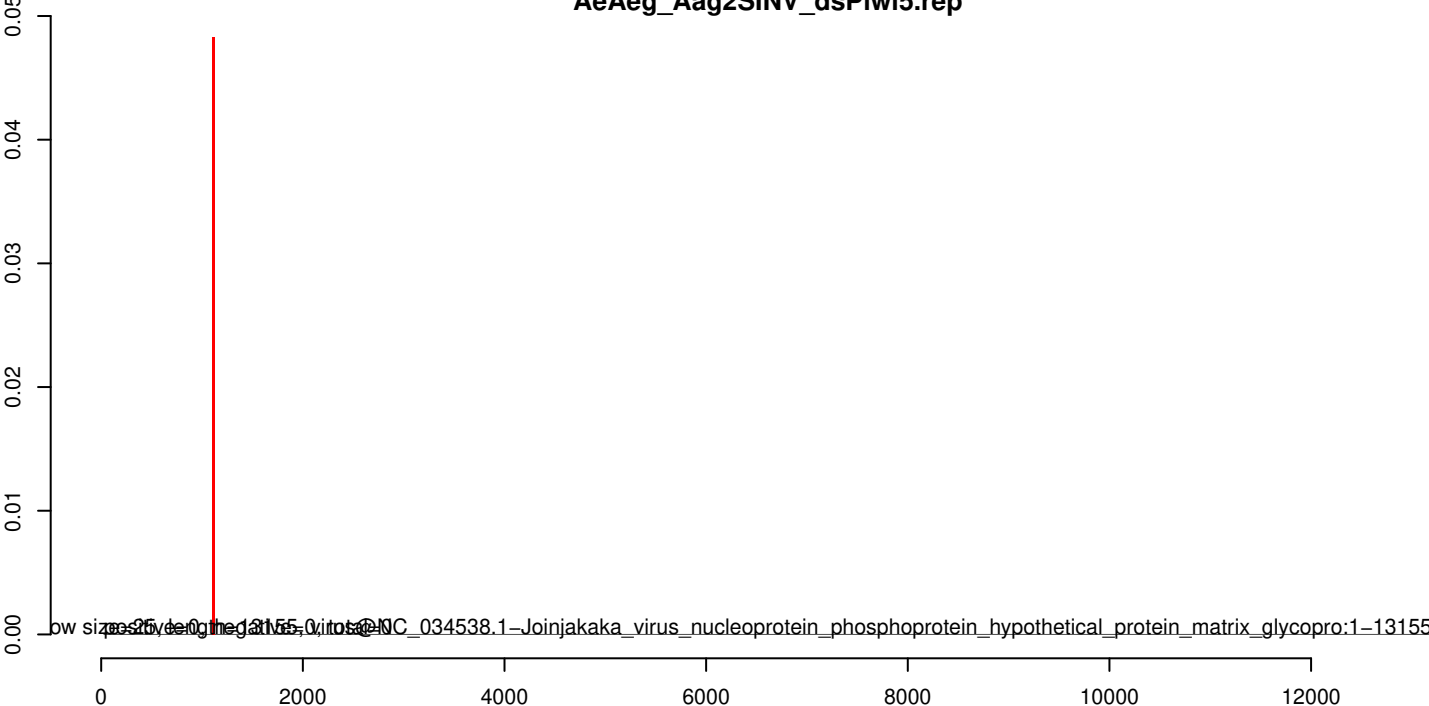
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



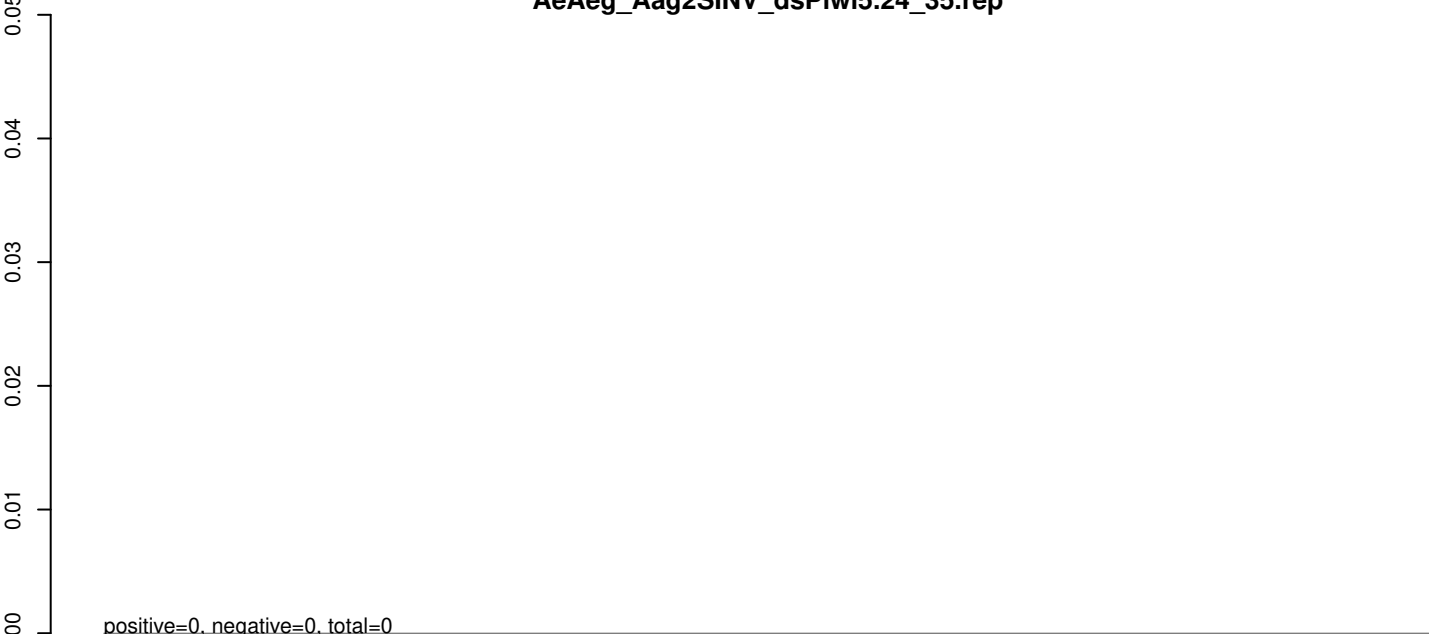
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



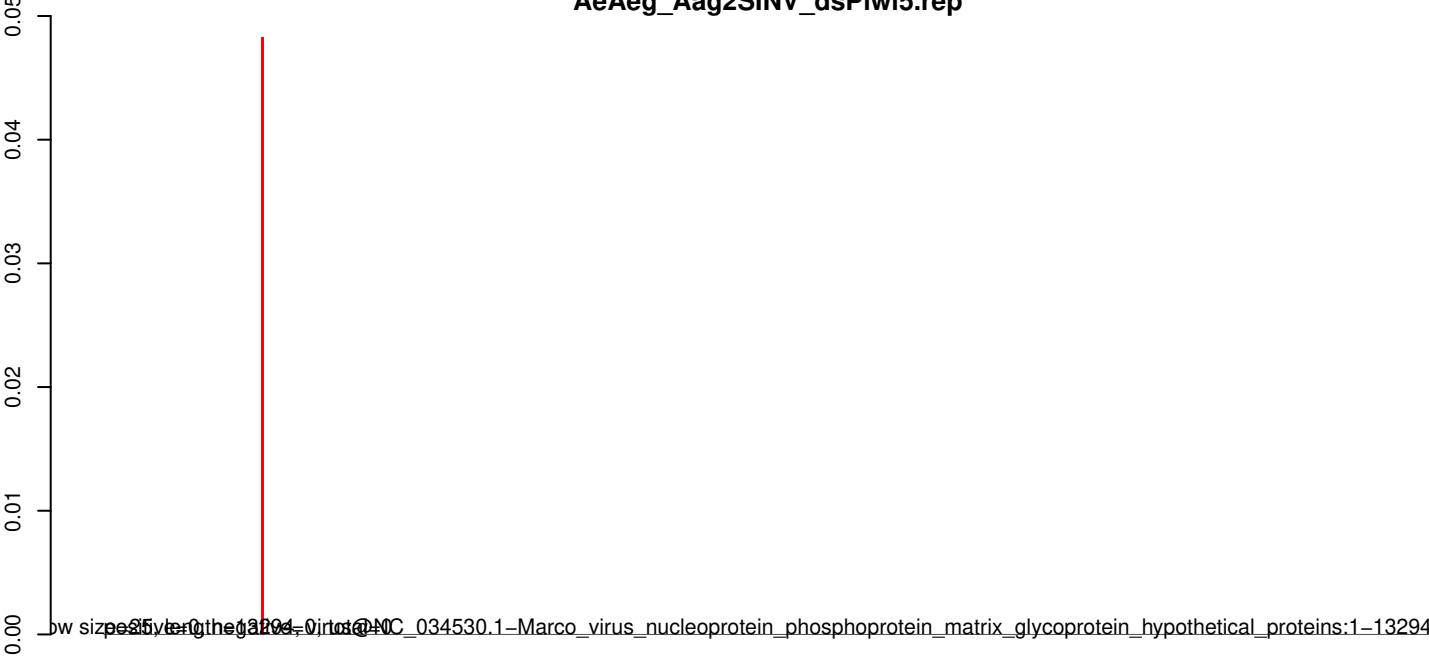
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

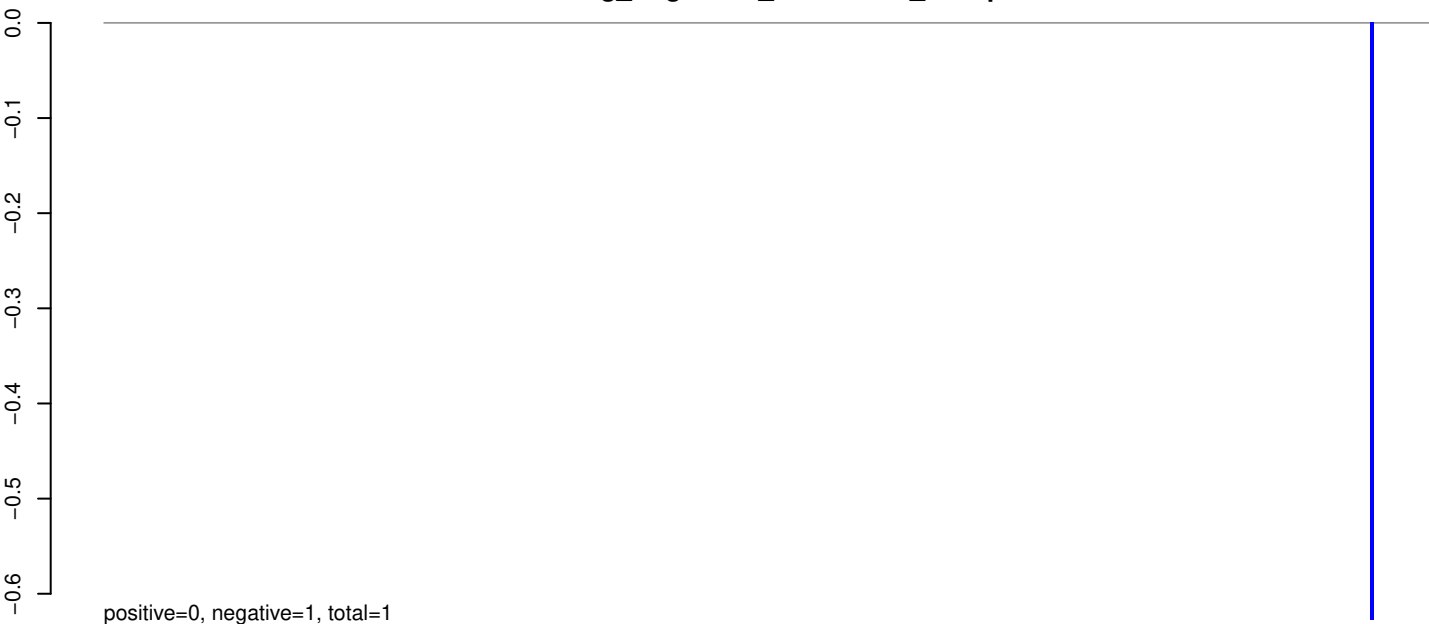


**AeAeg\_Aag2SINV\_dsPiwi5.rep**



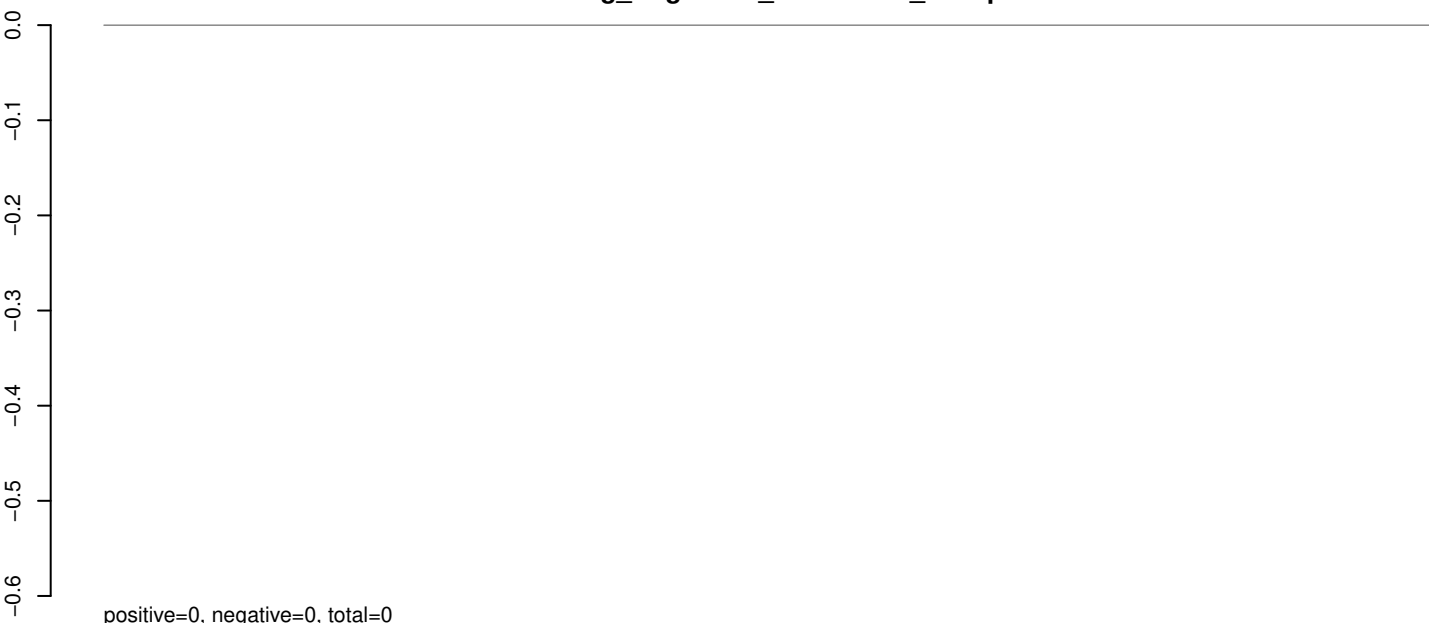
bow size 25, length 13294, virus @ NC\_034530.1-Marco\_virus\_nucleoprotein\_phosphoprotein\_matrix\_glycoprotein\_hypothetical\_proteins:1-13294

**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



positive=0, negative=1, total=1

**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



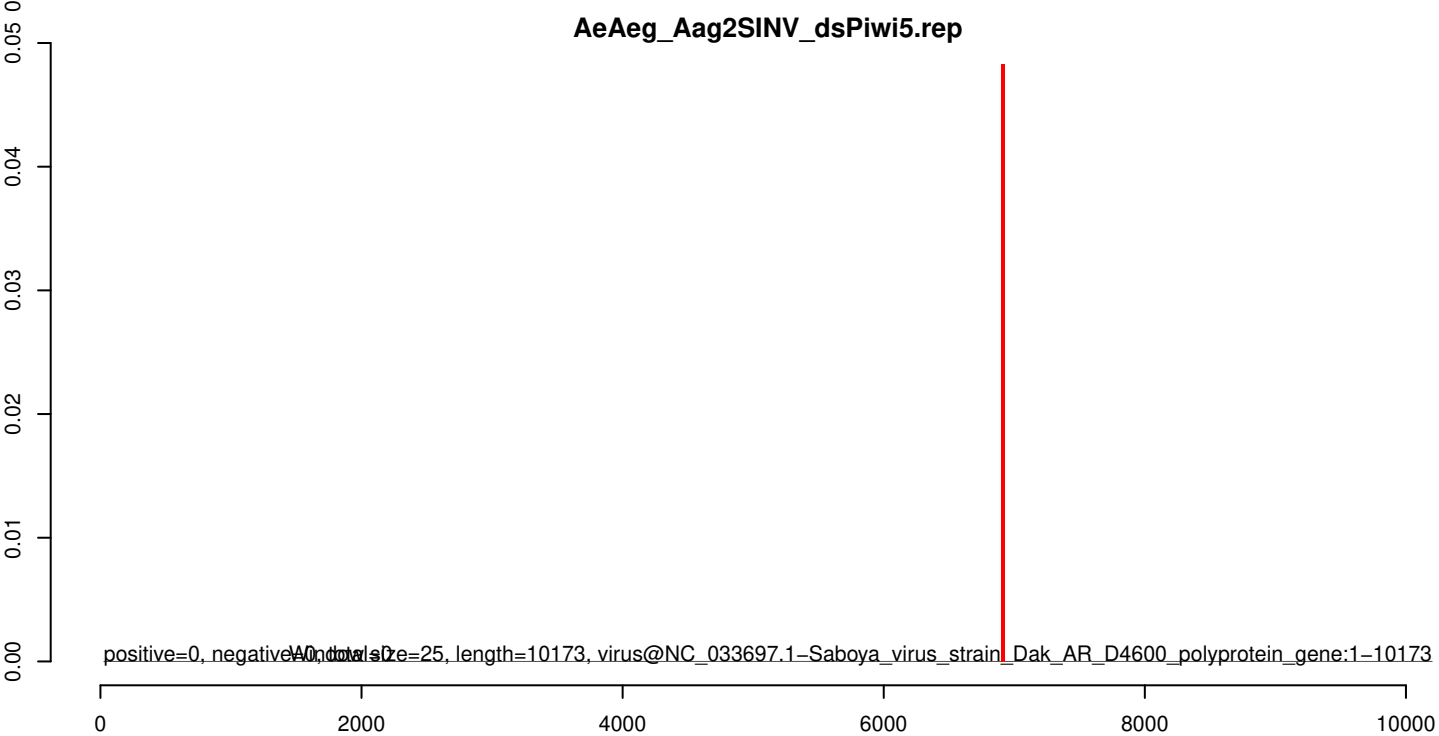
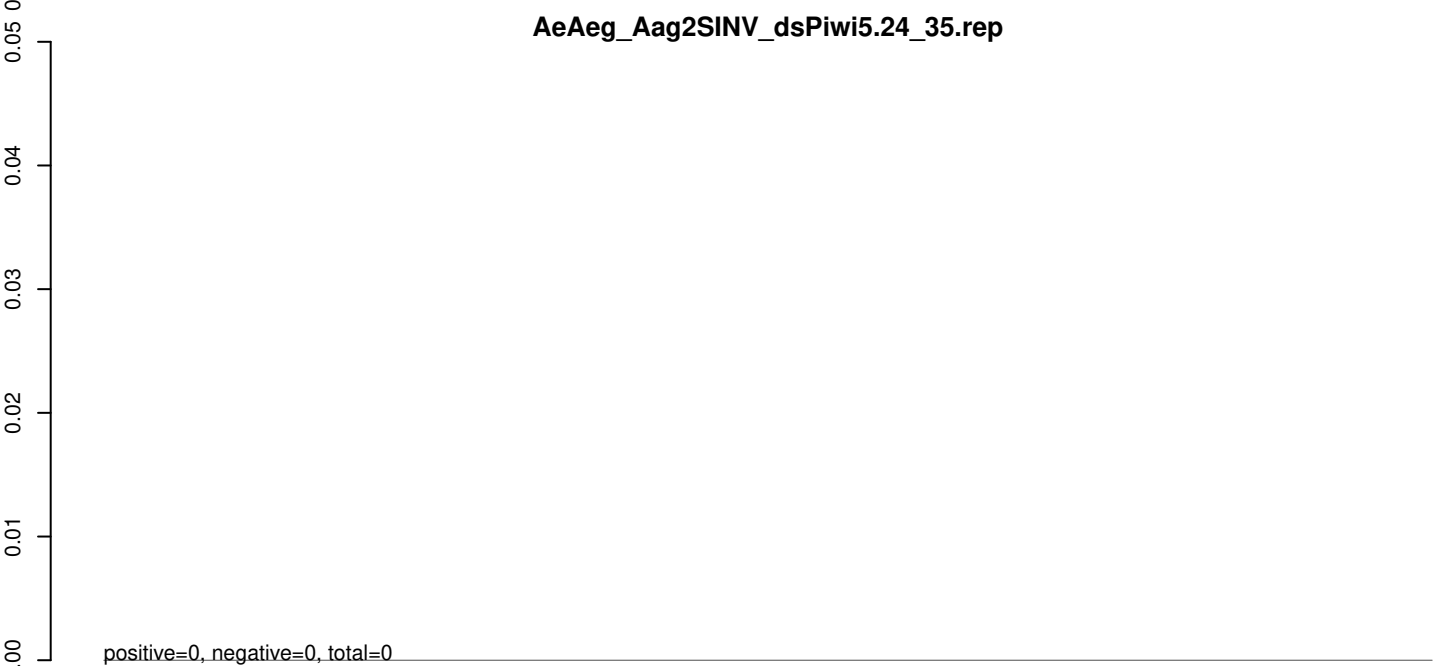
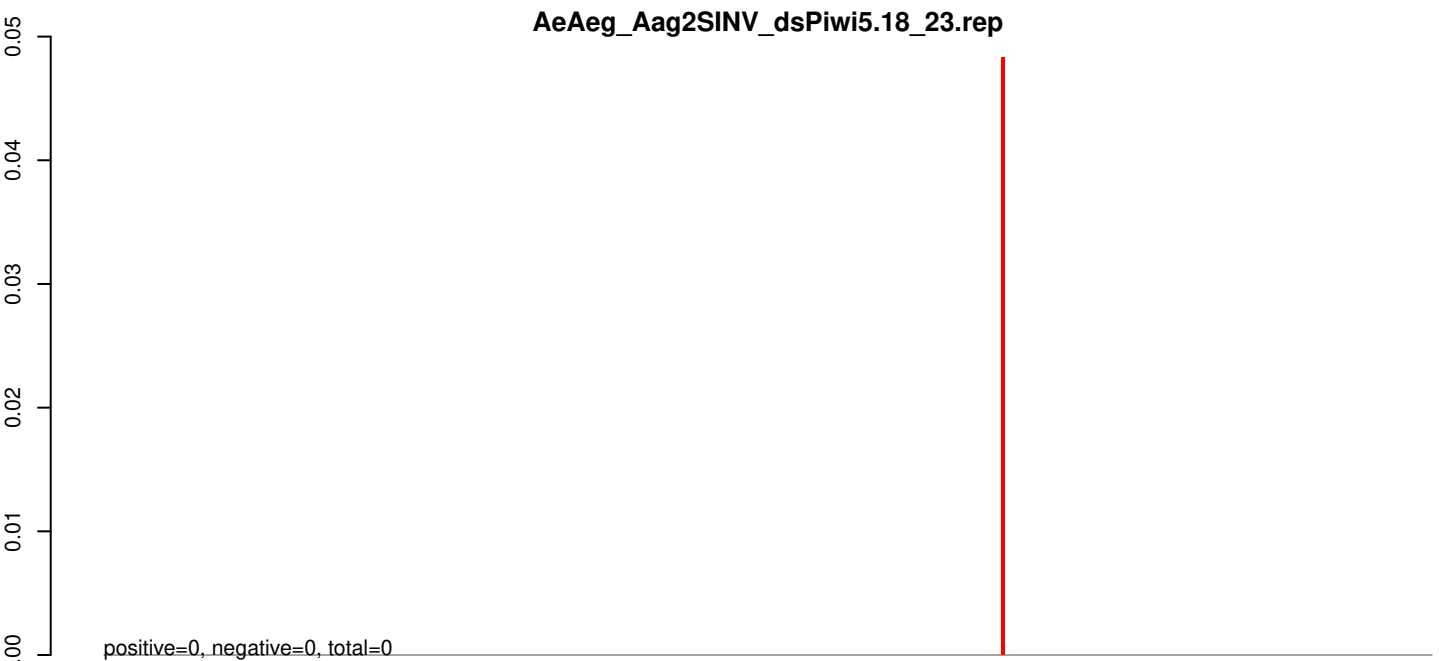
positive=0, negative=0, total=0

**AeAeg\_Aag2SINV\_dsPiwi5.rep**

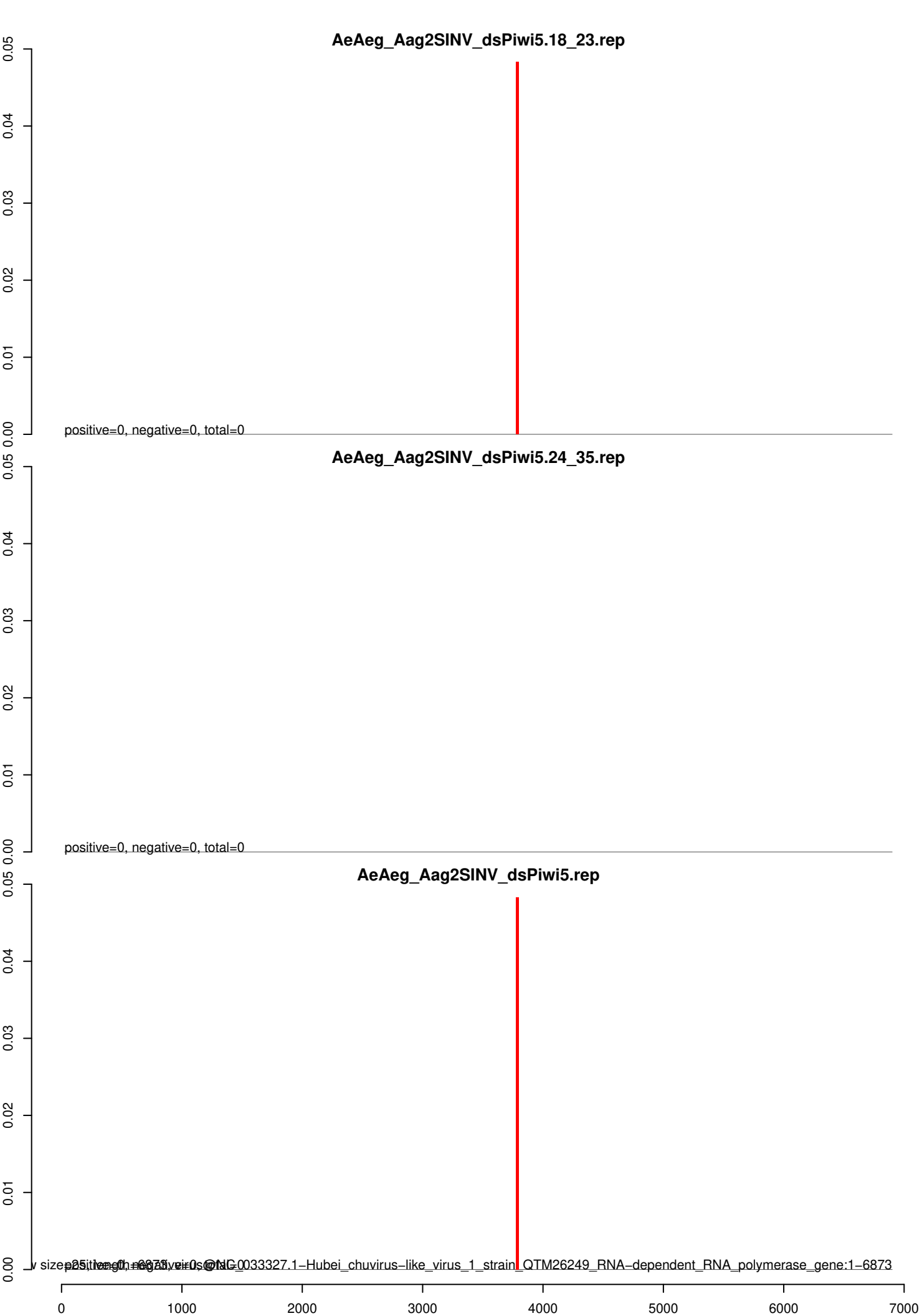


positive=0, negative=1, total=1  
Window size=25, length=10251, virus@NC\_033723.1-Gadgets\_Gully\_virus\_from\_Australia\_polyprotein\_gene:1-10251

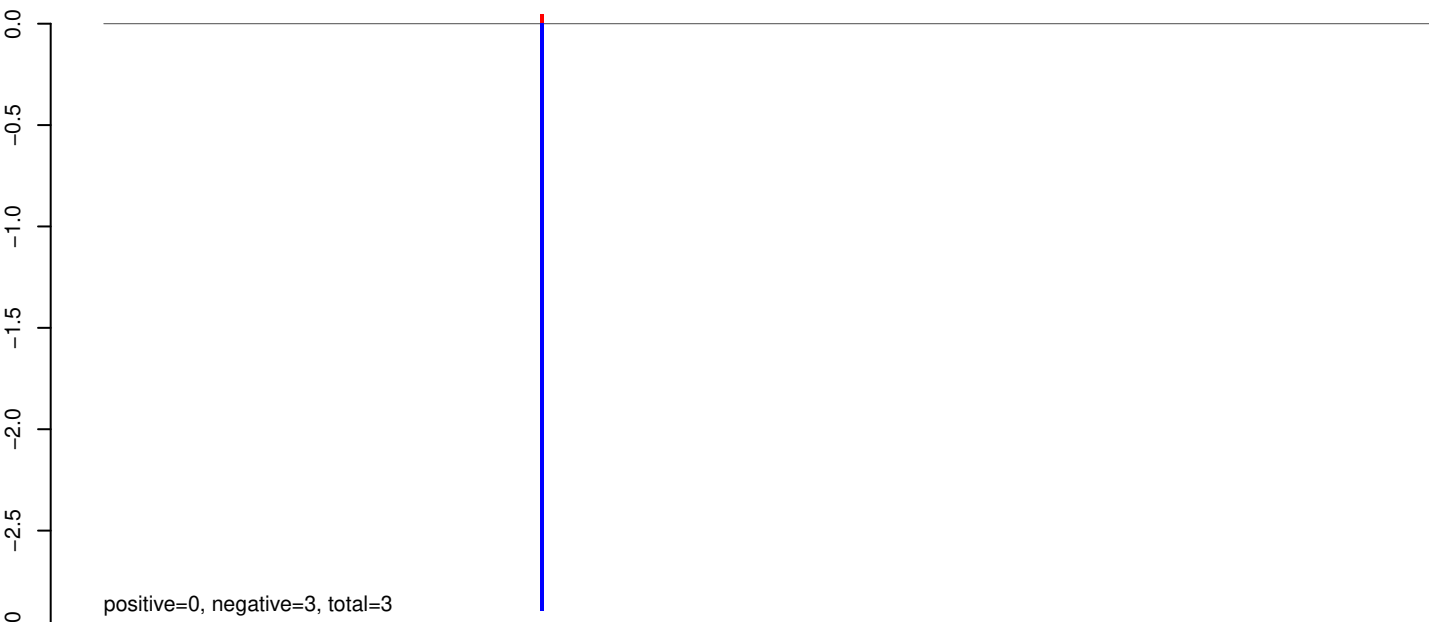
0 2000 4000 6000 8000 10000



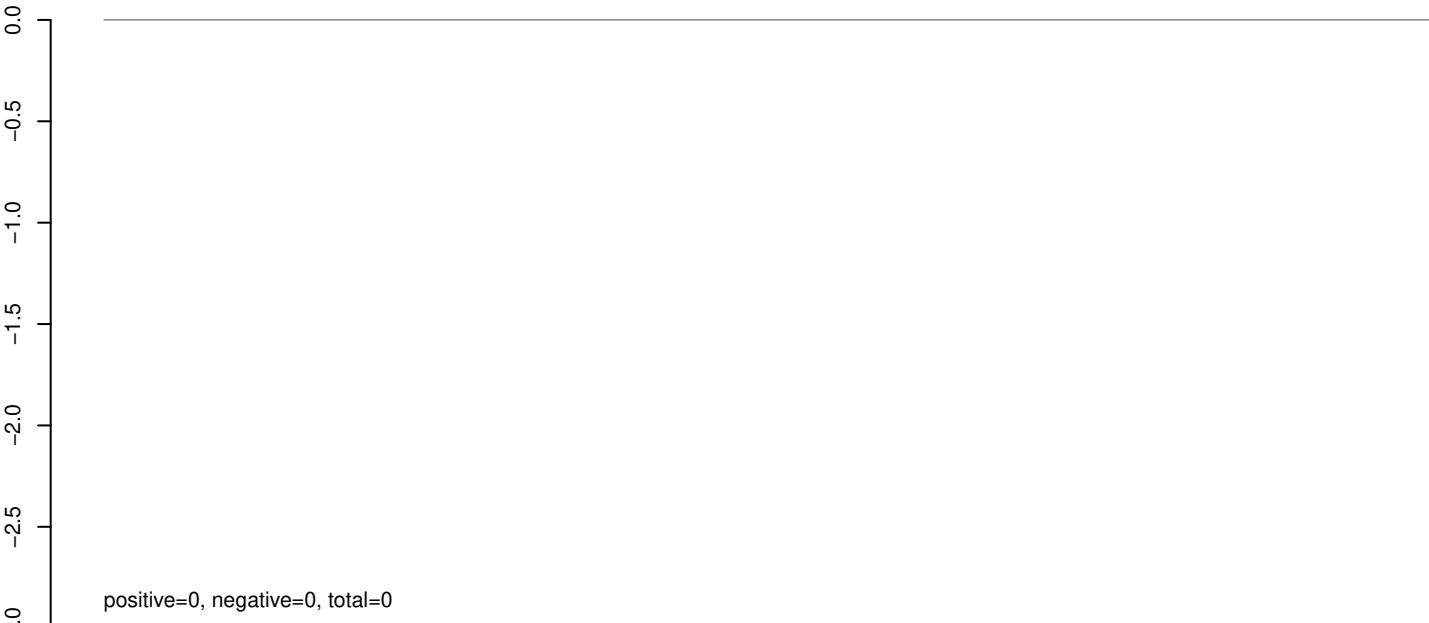




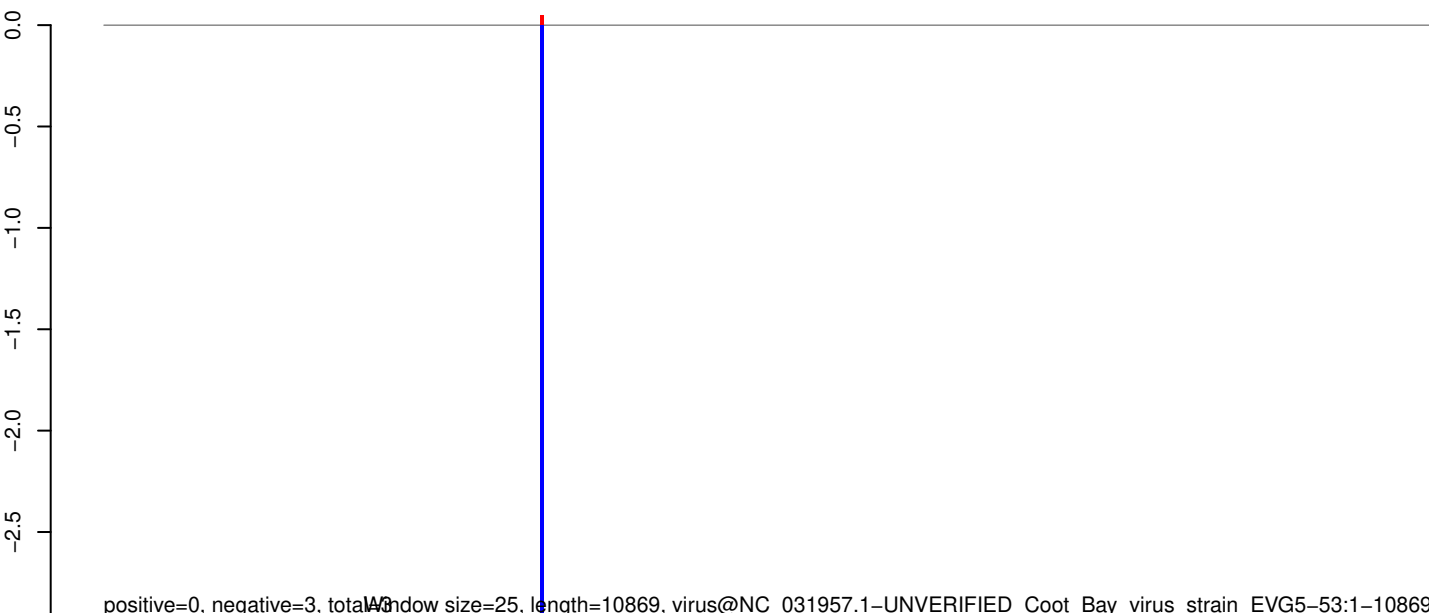
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



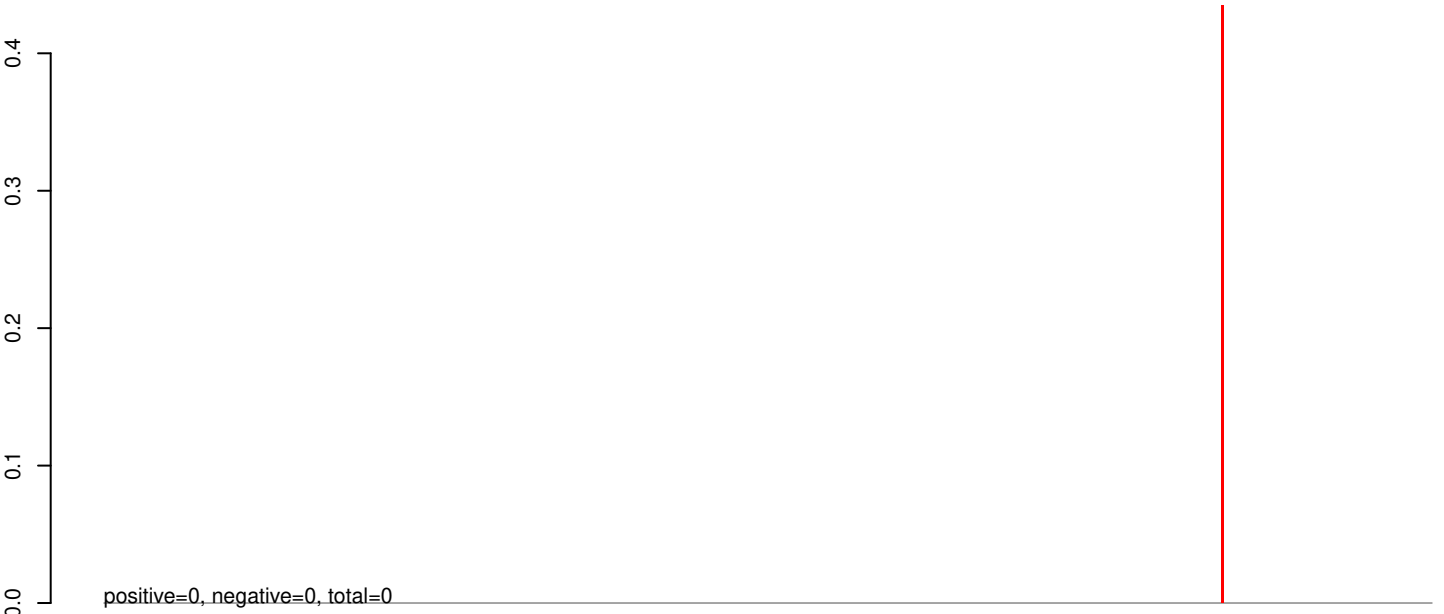
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



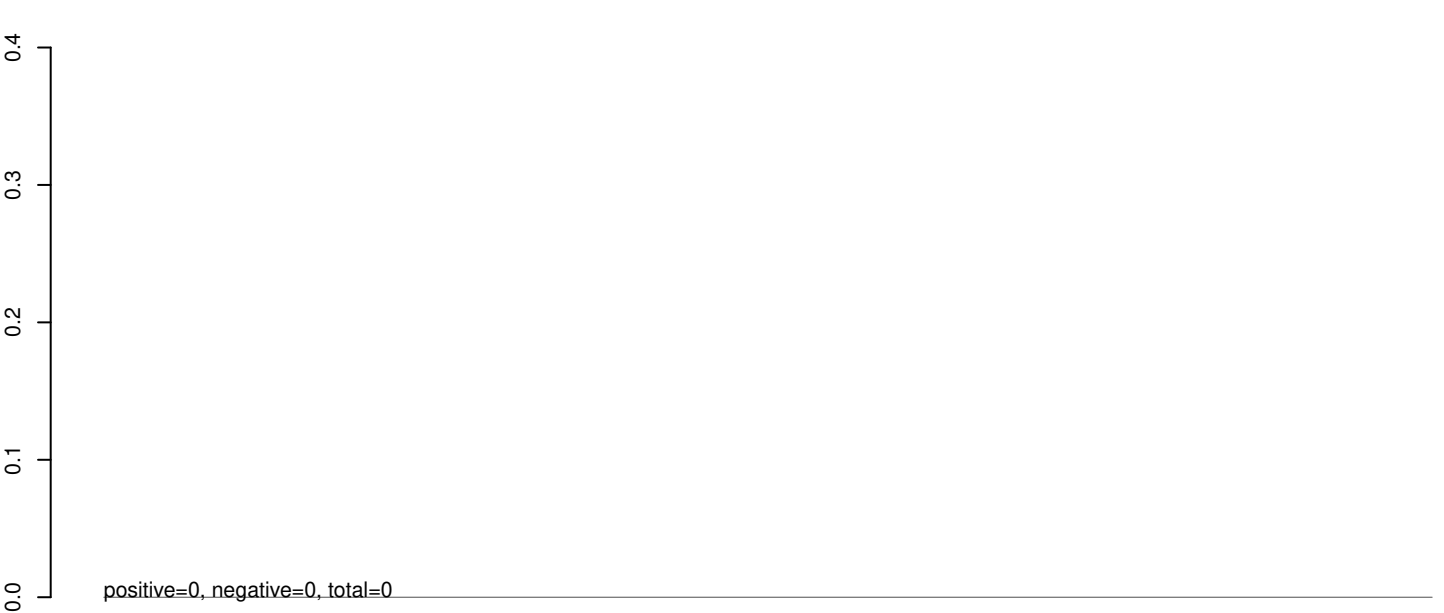
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



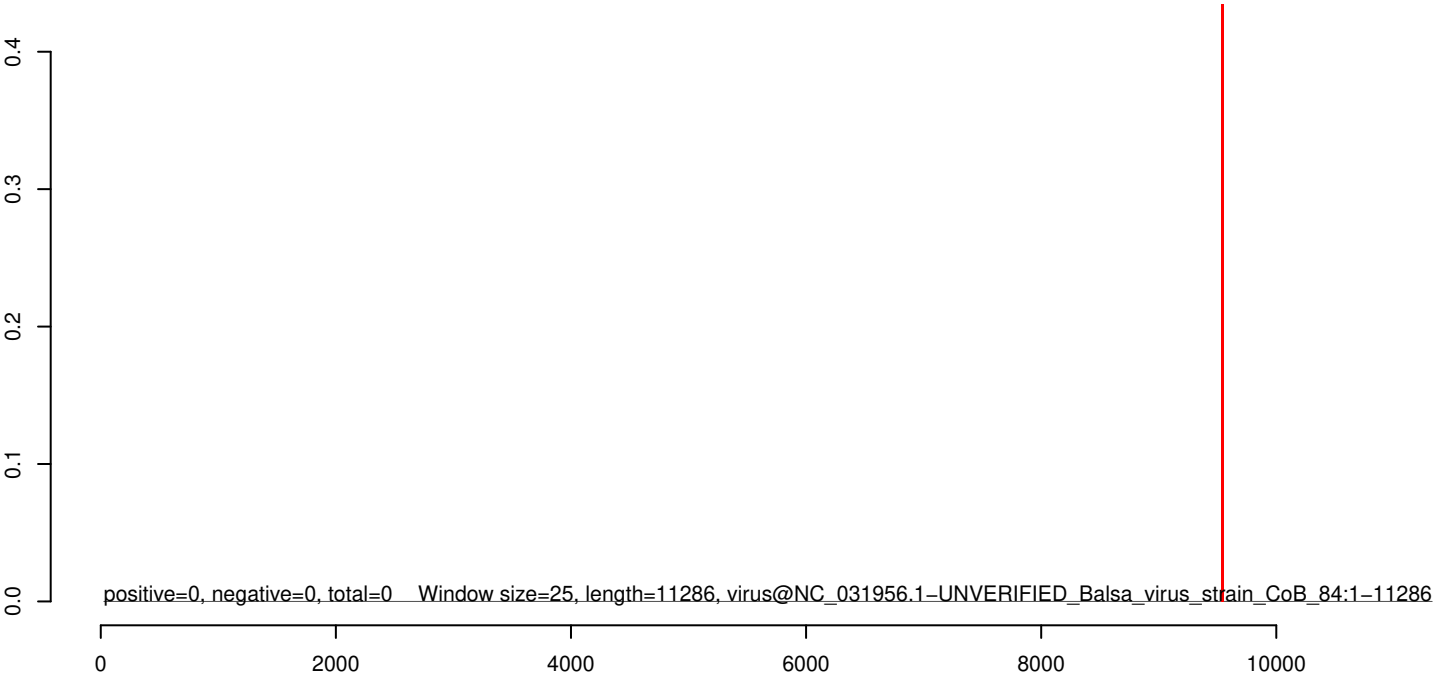
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



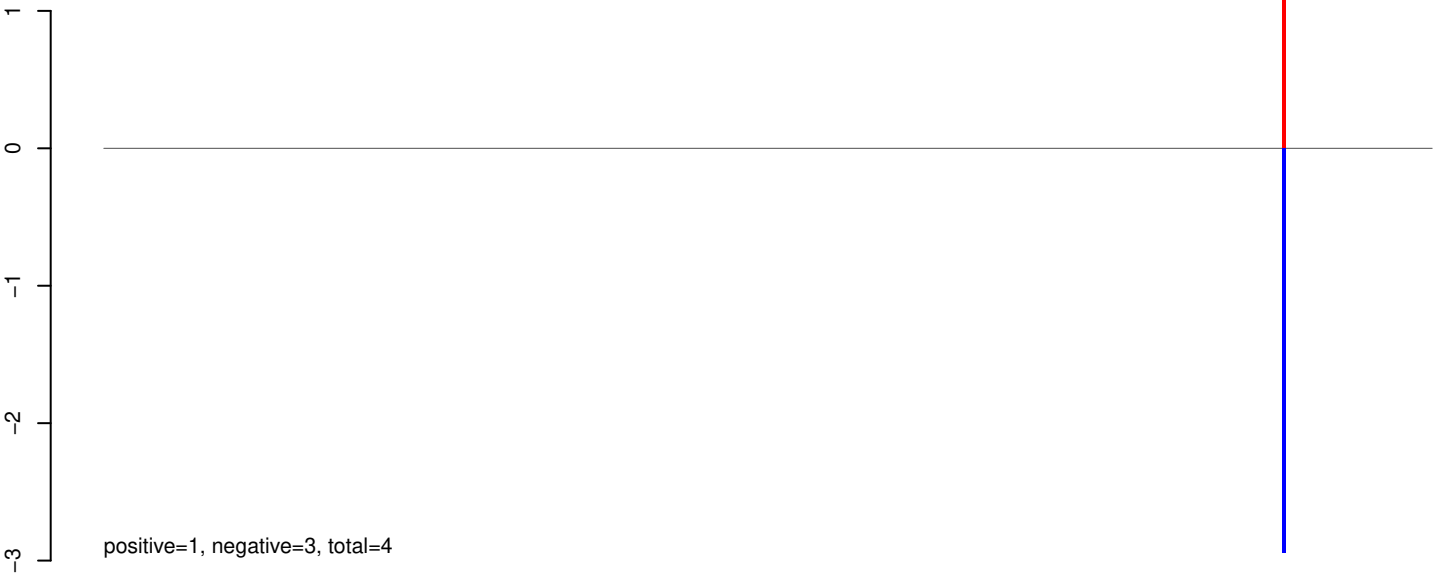
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



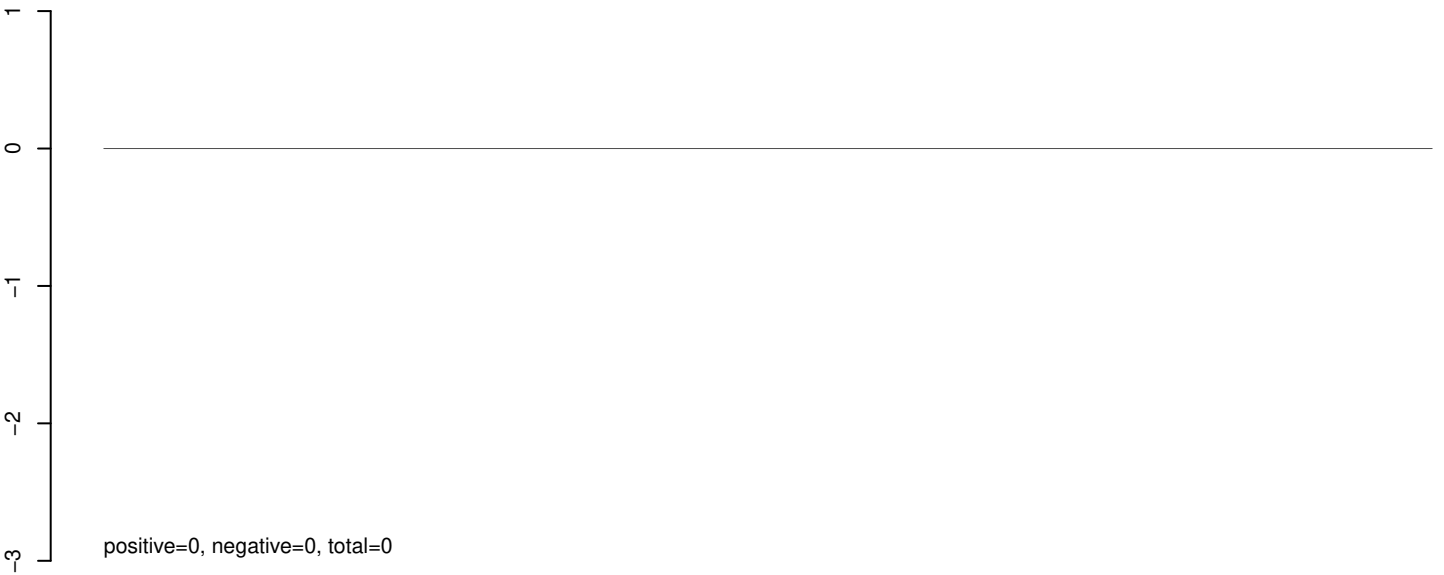
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



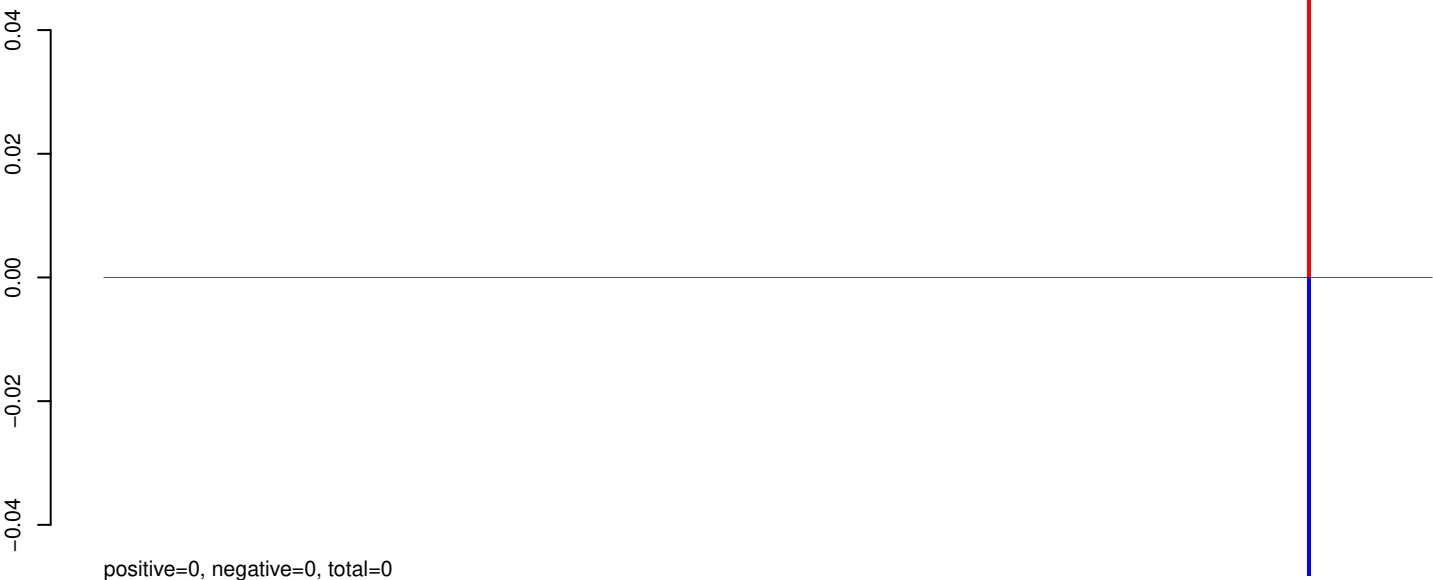
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



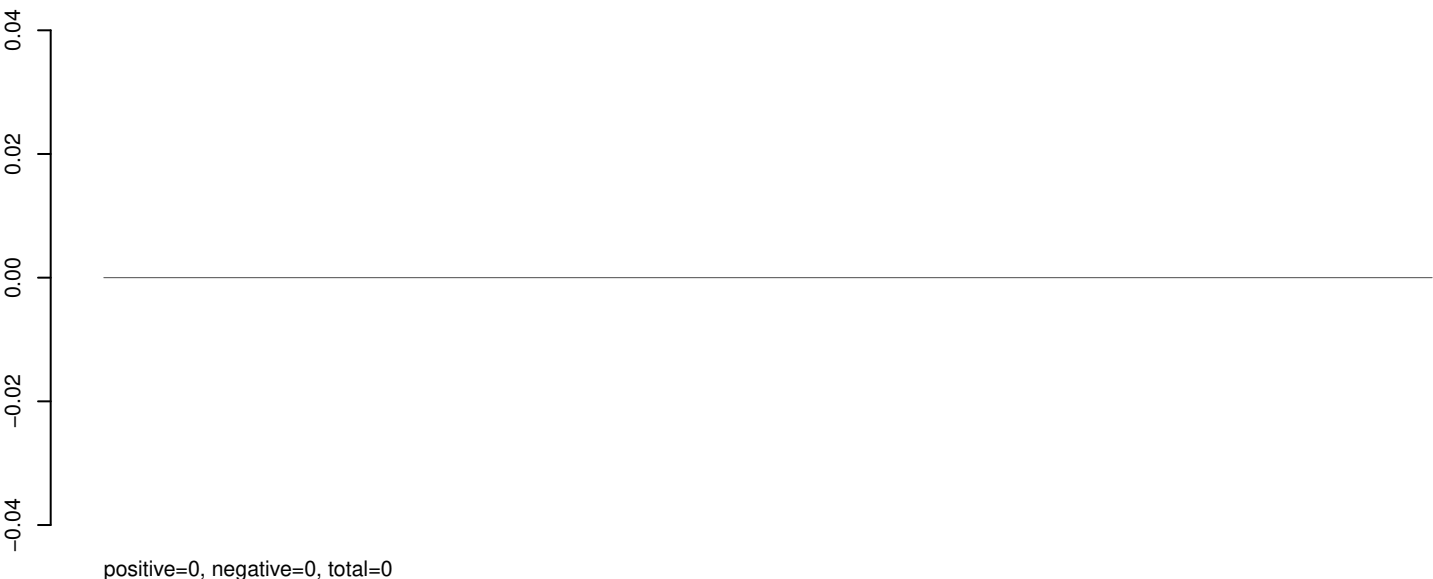
Window size=25, length=10158, virus@NC\_030401.1-Hanko\_virus\_polyprotein\_gene:1-10158

0 2000 4000 6000 8000 10000

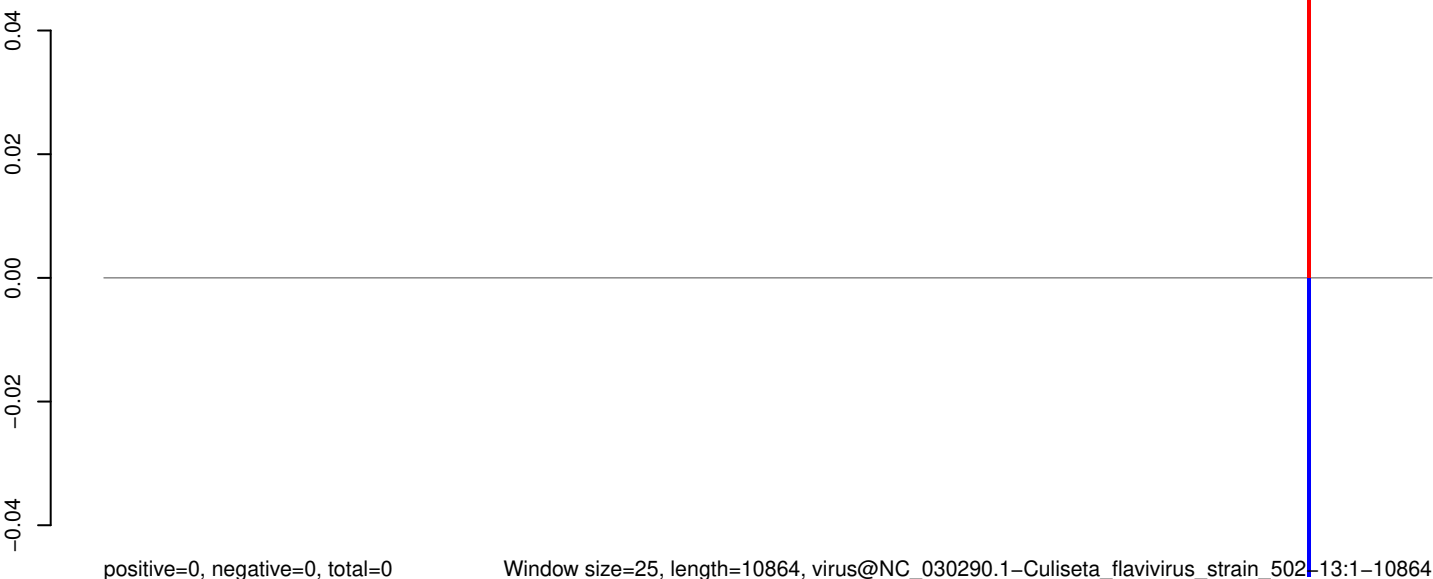
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



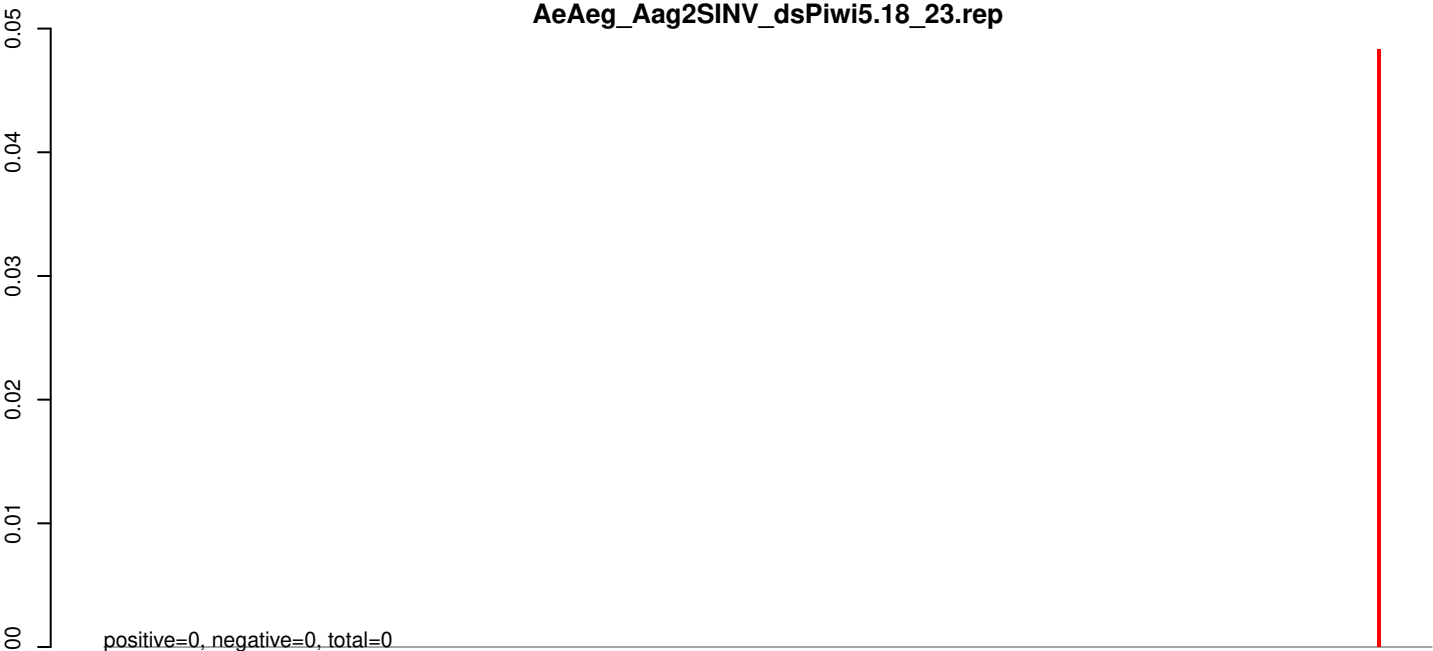
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



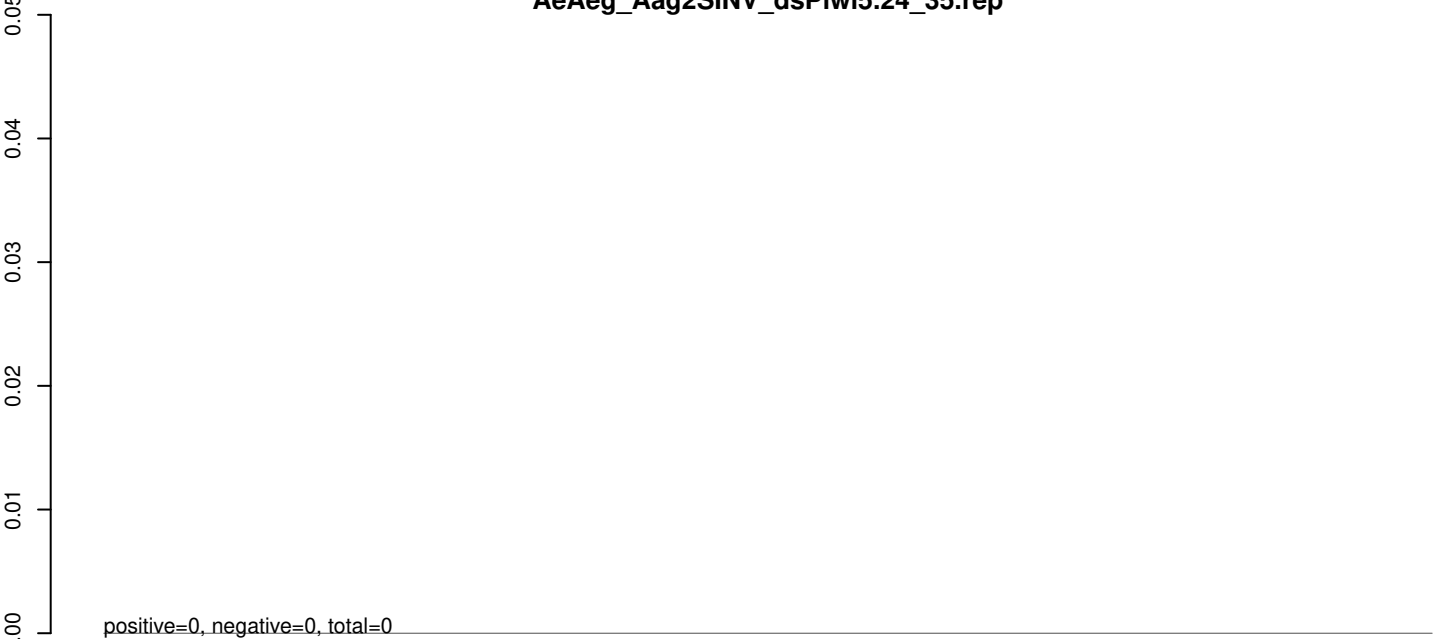
Window size=25, length=10864, virus@NC\_030290.1-Culiseta\_flavivirus\_strain\_502-13:1-10864

0 2000 4000 6000 8000 10000

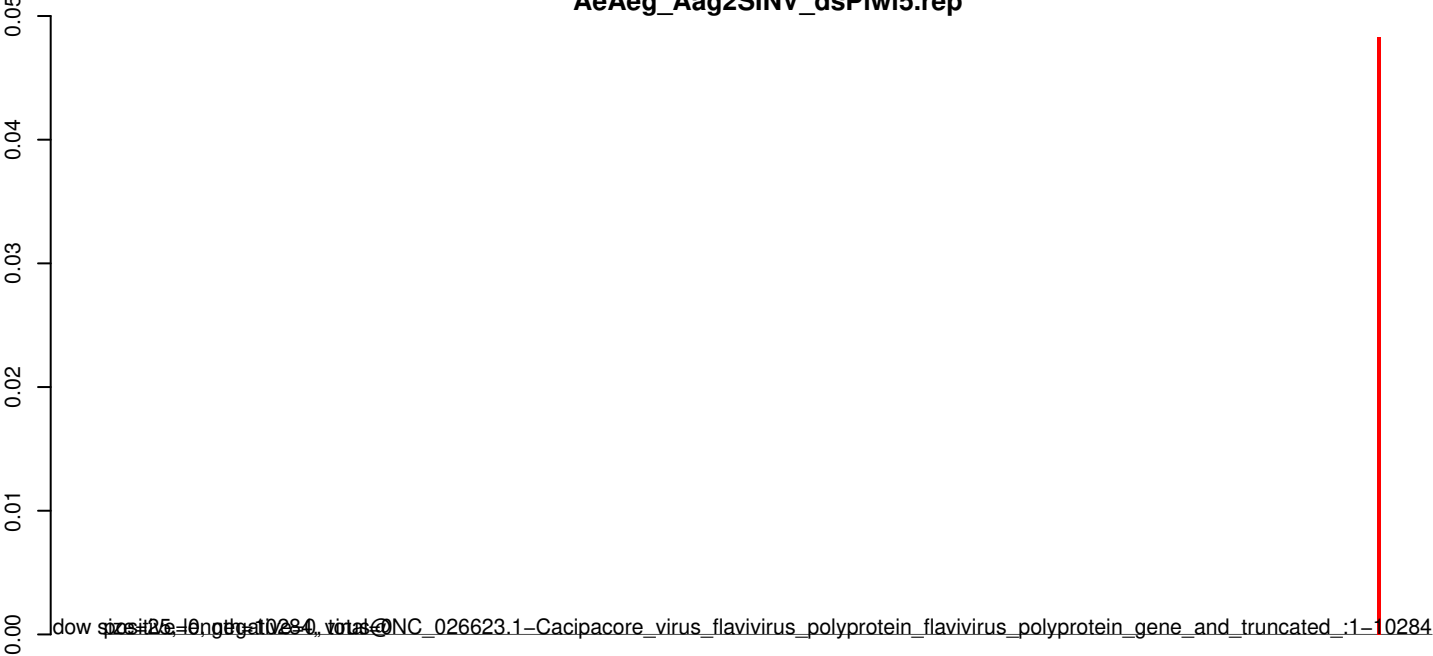
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



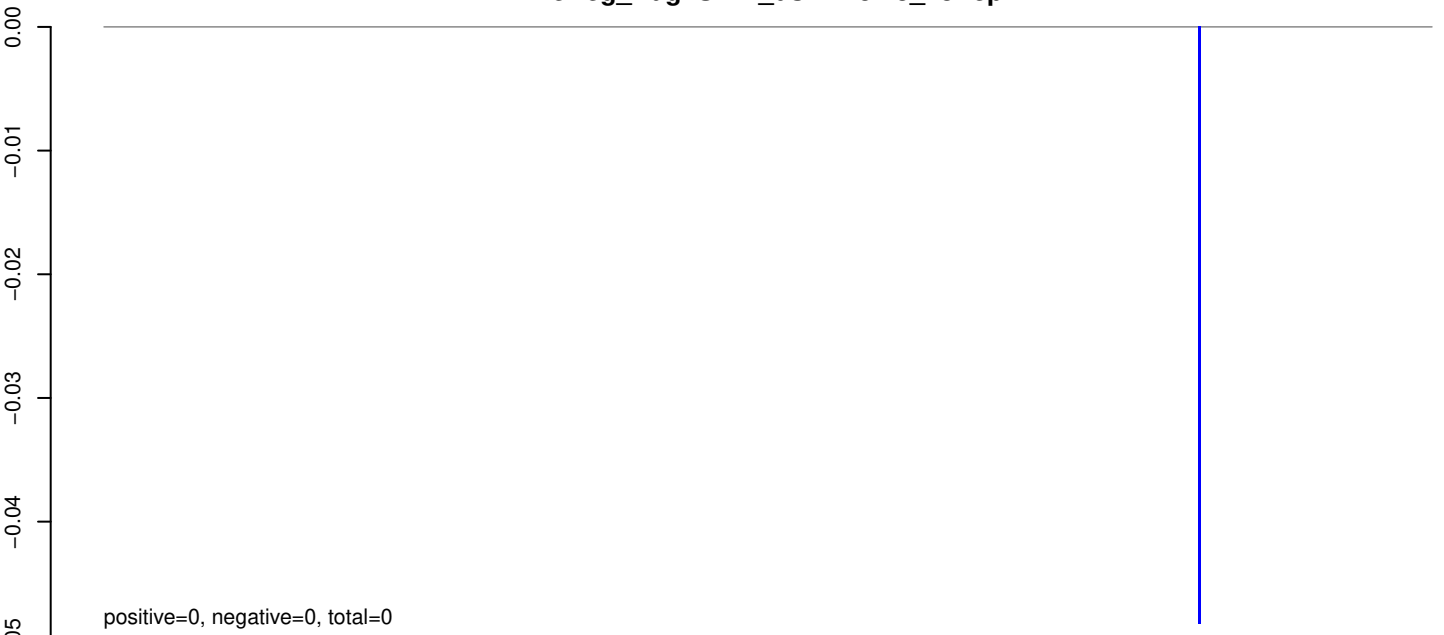
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



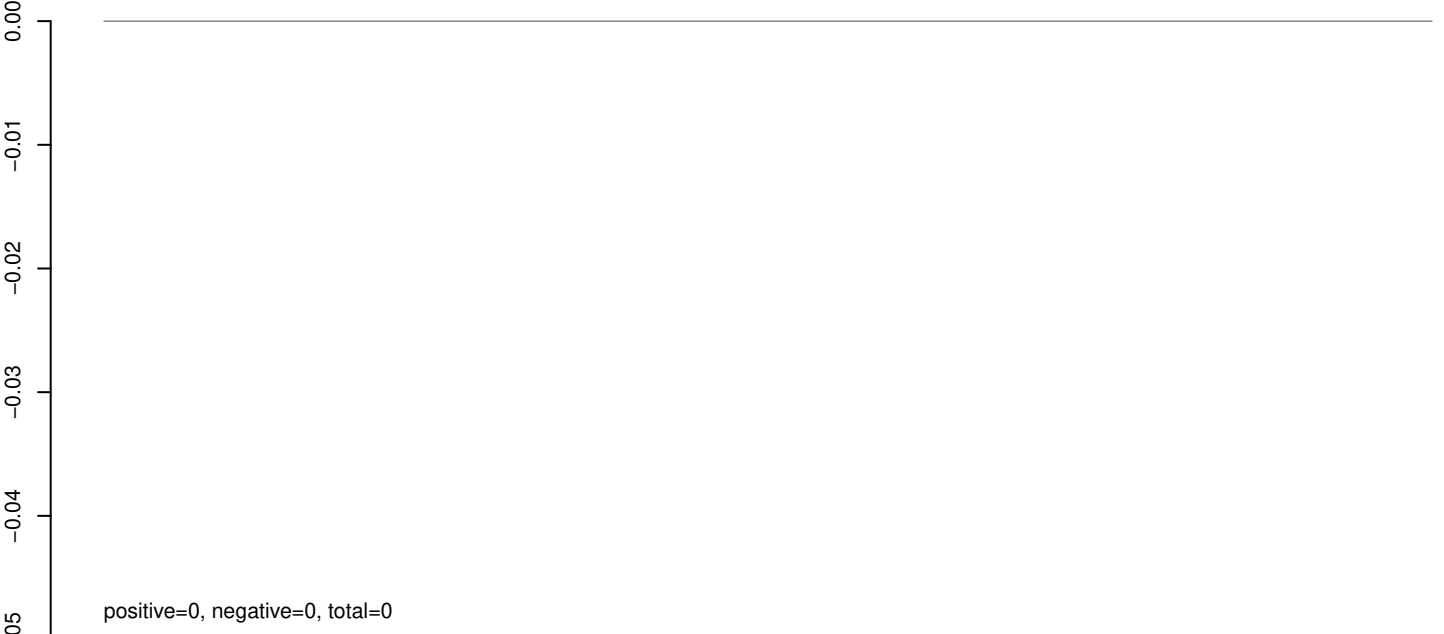
downloaded from <https://www.ncbi.nlm.nih.gov/nuccore/102623.1> on 2024-10-24, virus NC\_026623.1-Cacipacore\_virus\_flavivirus\_polyprotein\_flavivirus\_polyprotein\_gene\_and\_truncated\_:1-10284

0 2000 4000 6000 8000 10000

**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



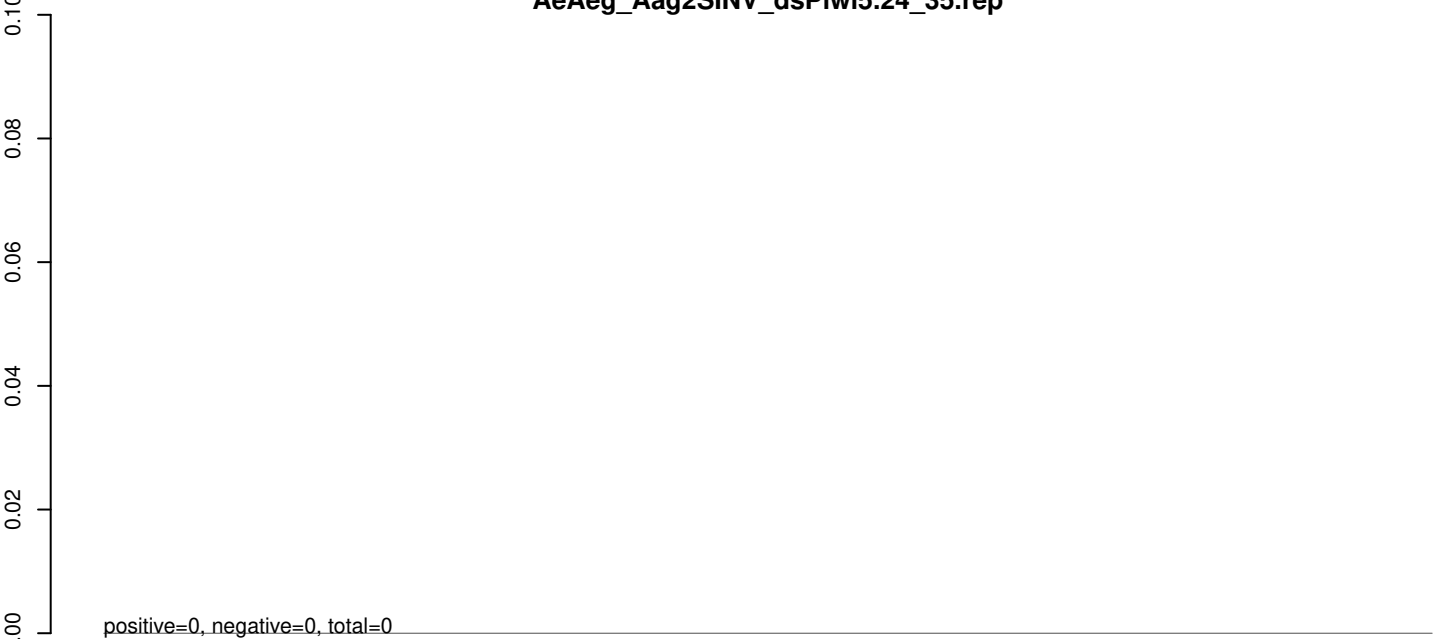
Window size=25, length=11220, virus@NC\_025399.1-Oak-Vale\_virus\_strain\_CSIRO\_1342:1-11220

0 2000 4000 6000 8000 10000

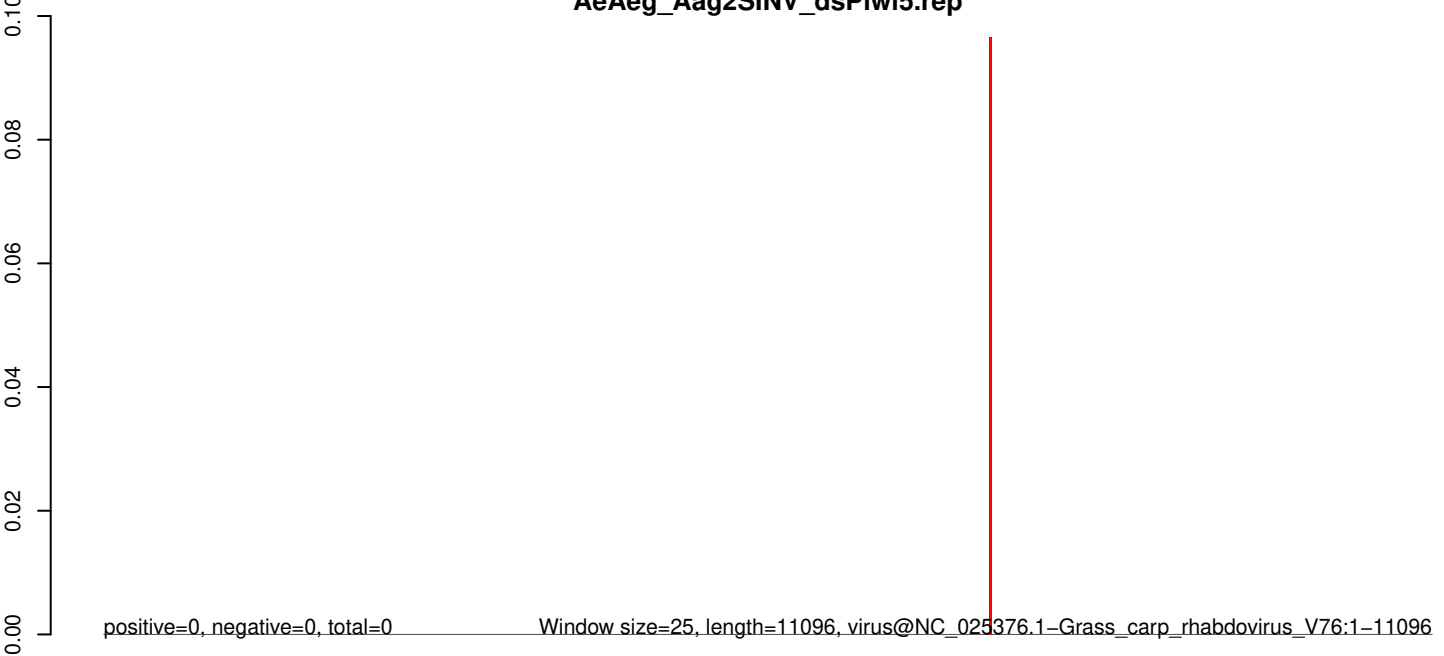
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



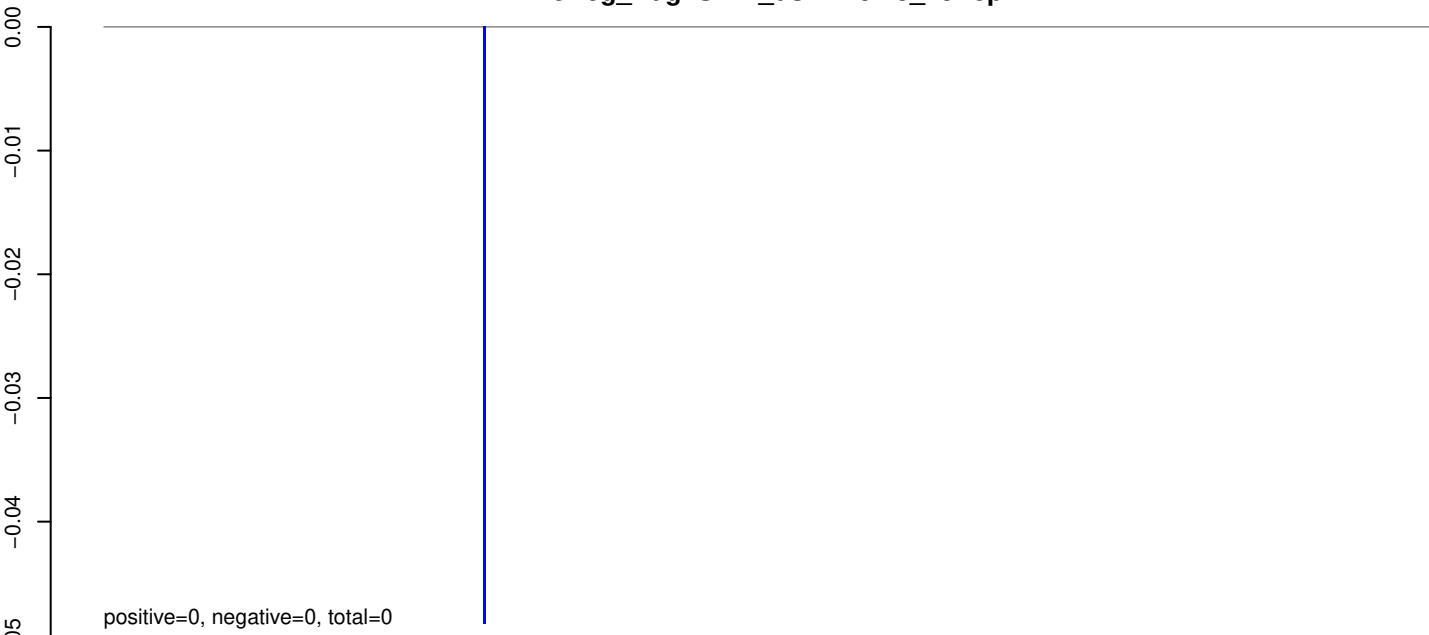
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



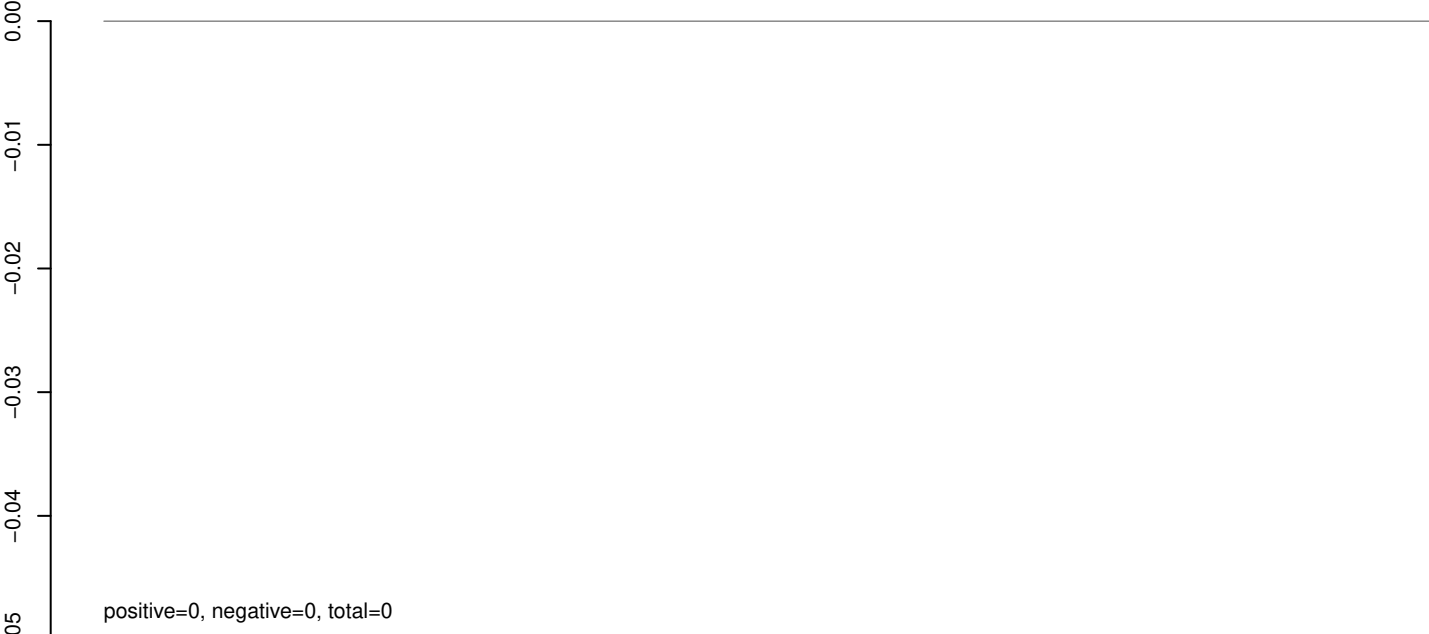
0 2000 4000 6000 8000 10000



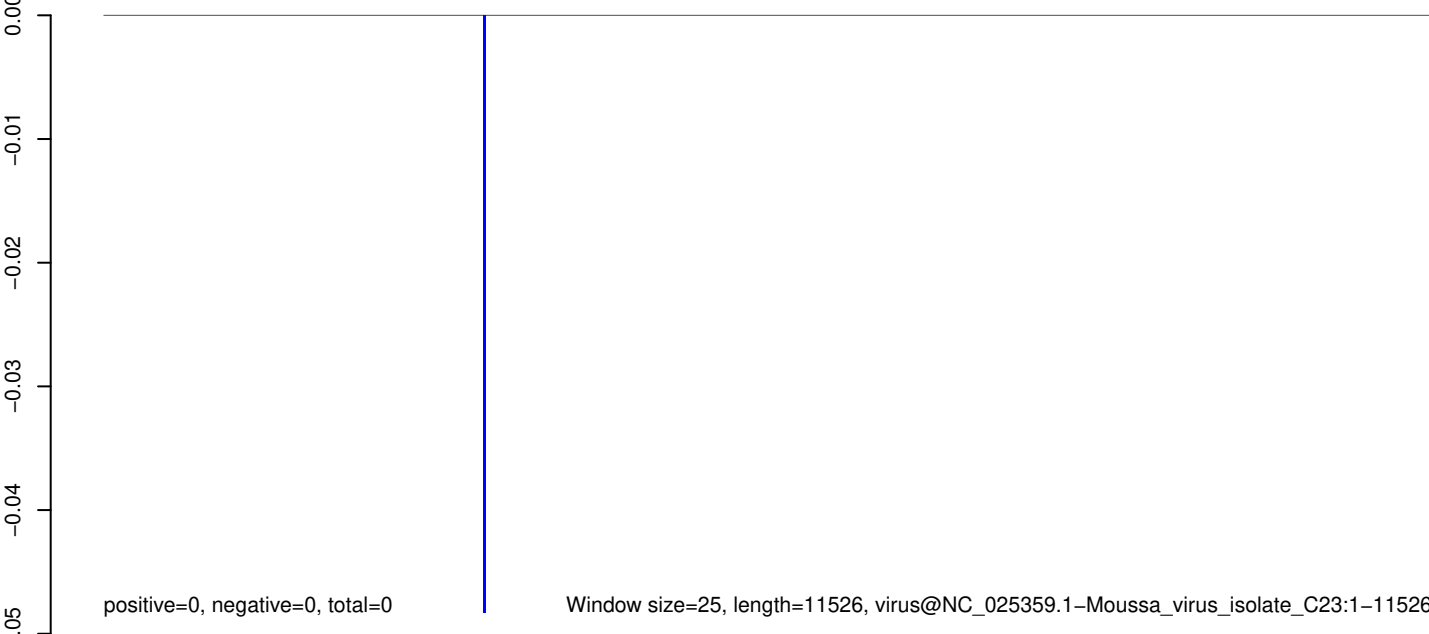
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

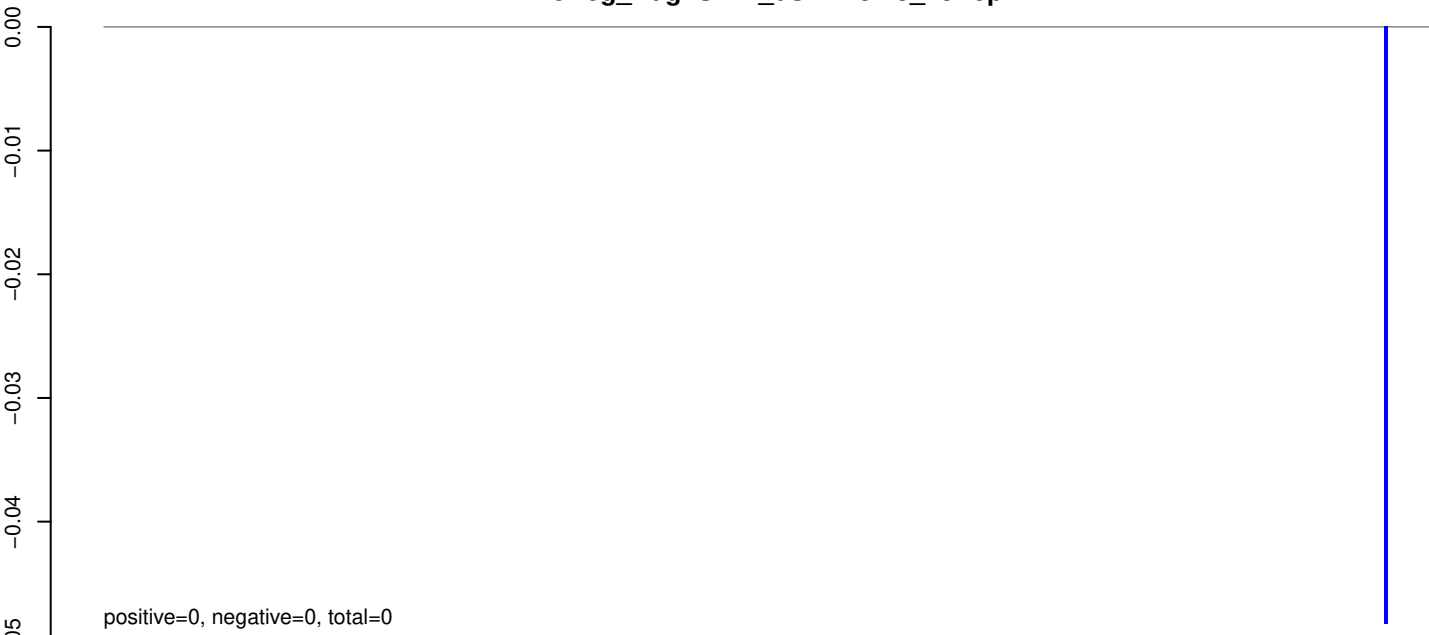


**AeAeg\_Aag2SINV\_dsPiwi5.rep**

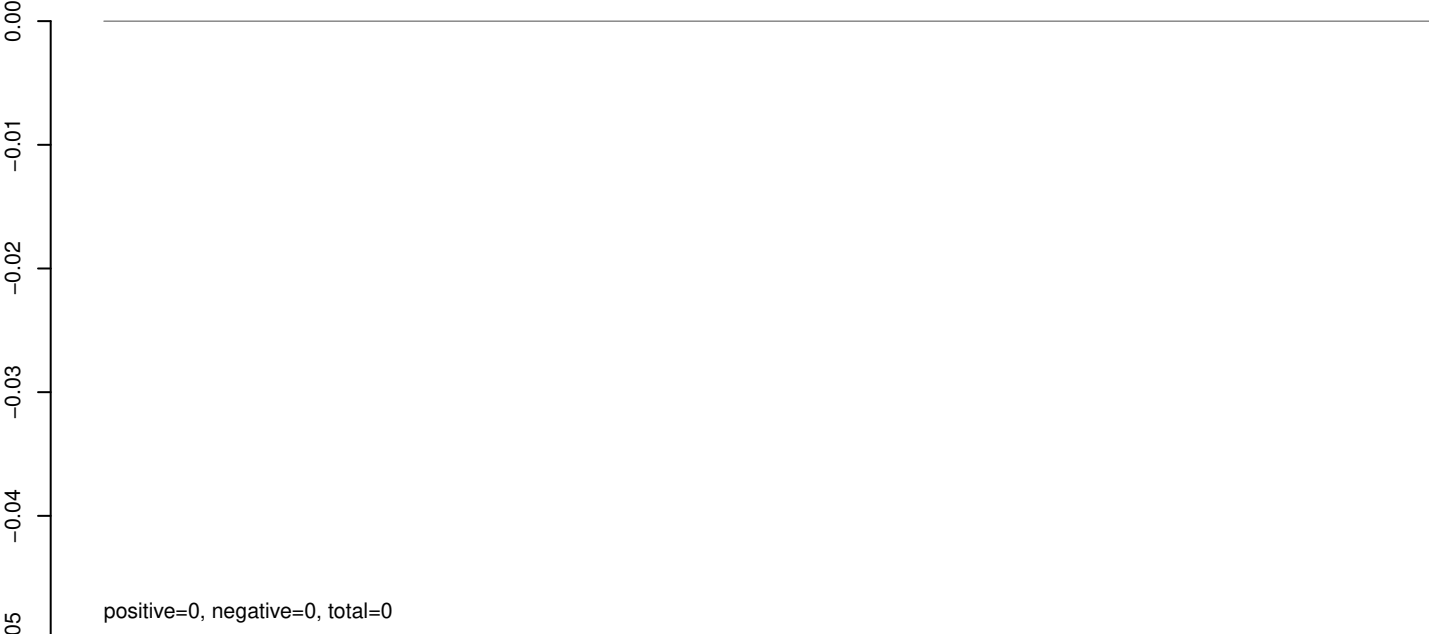


0 2000 4000 6000 8000 10000 12000

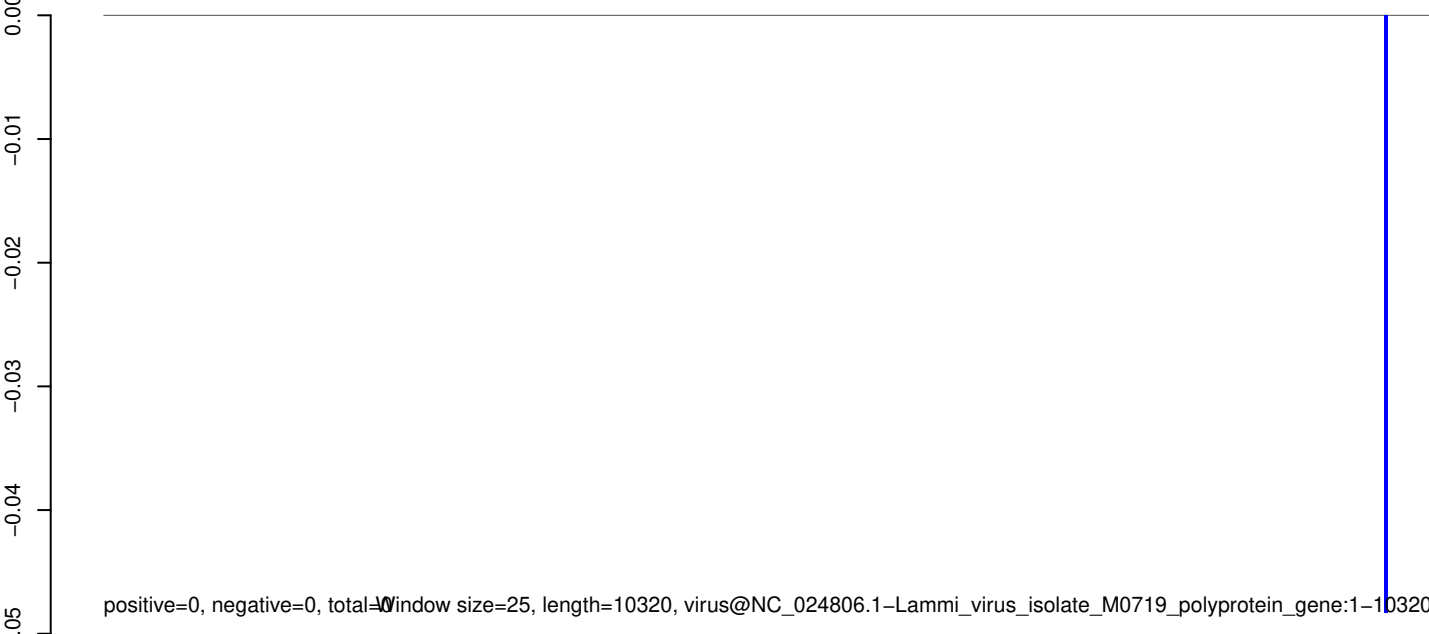
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



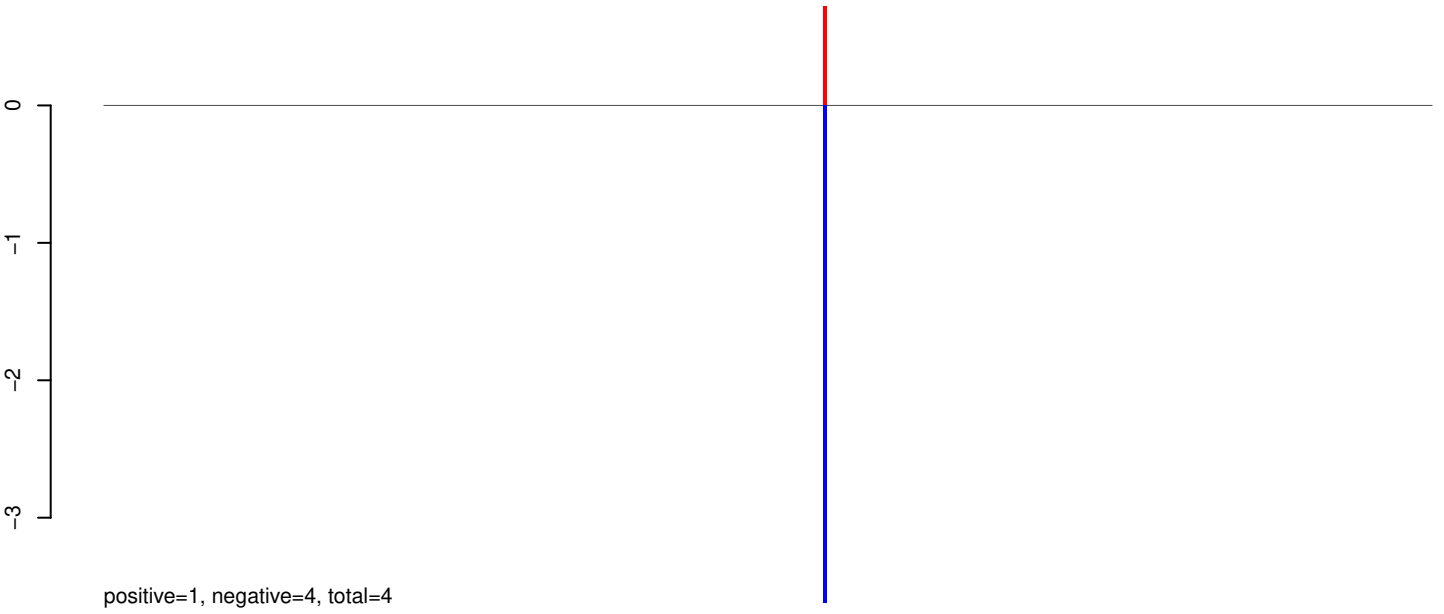
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



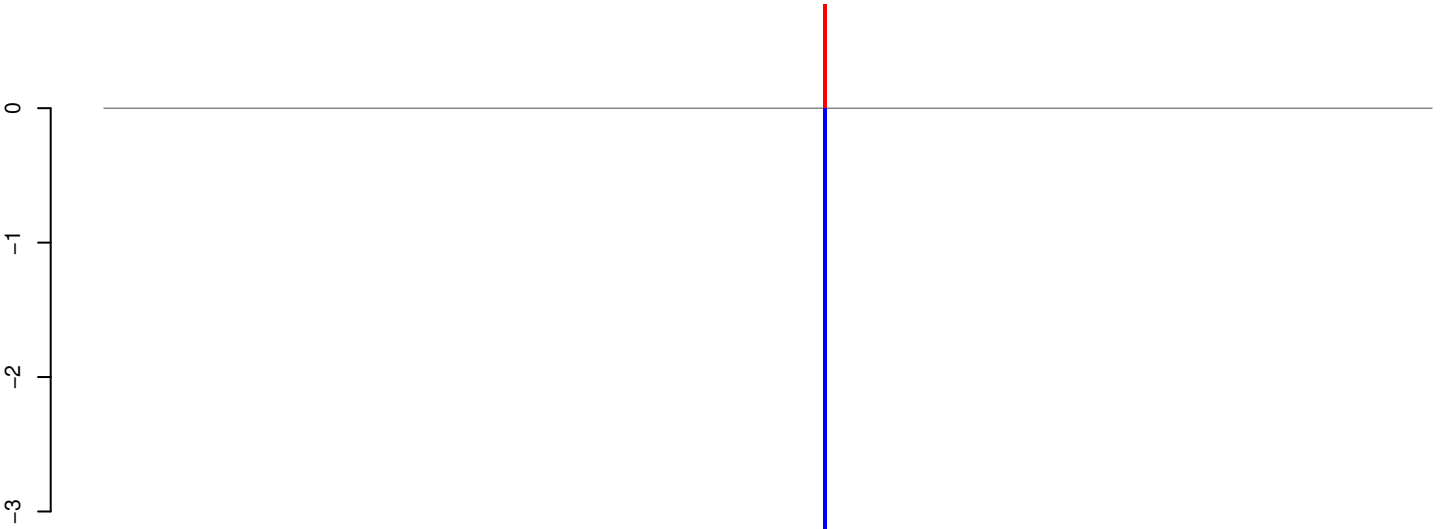
positive=1, negative=4, total=4

**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



positive=0, negative=0, total=0

**AeAeg\_Aag2SINV\_dsPiwi5.rep**

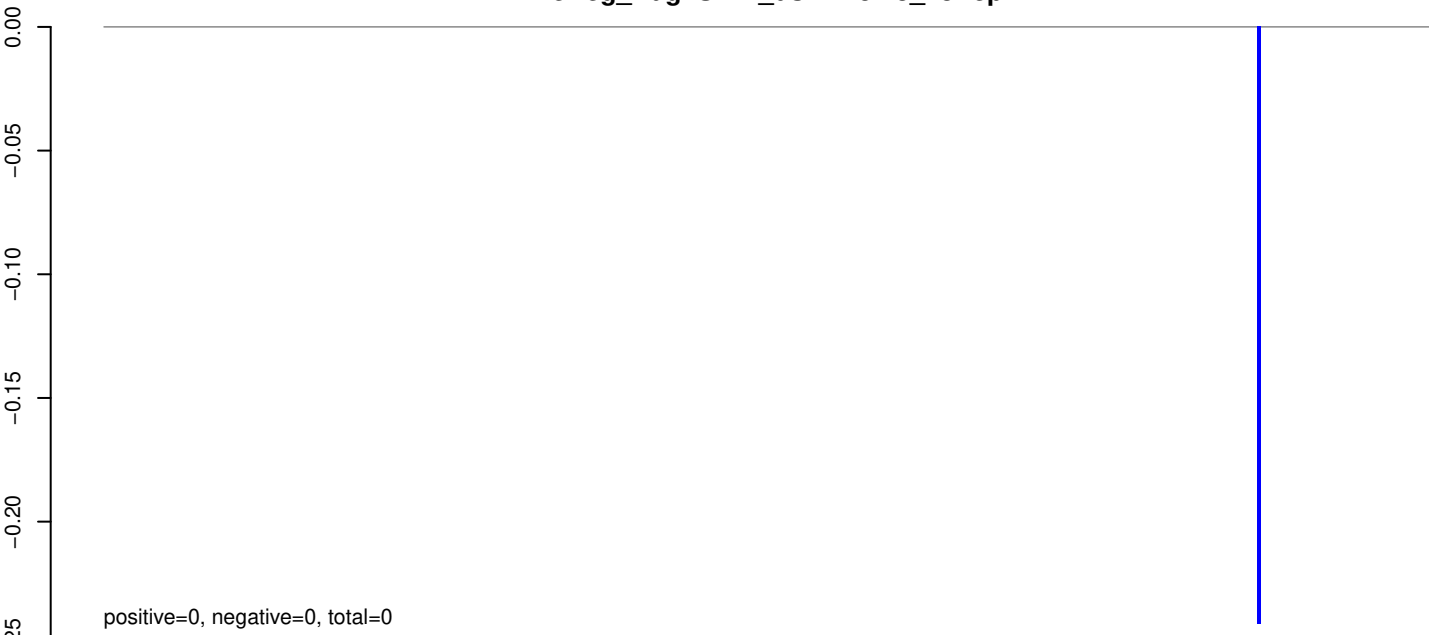


positive=1, negative=4, total=4

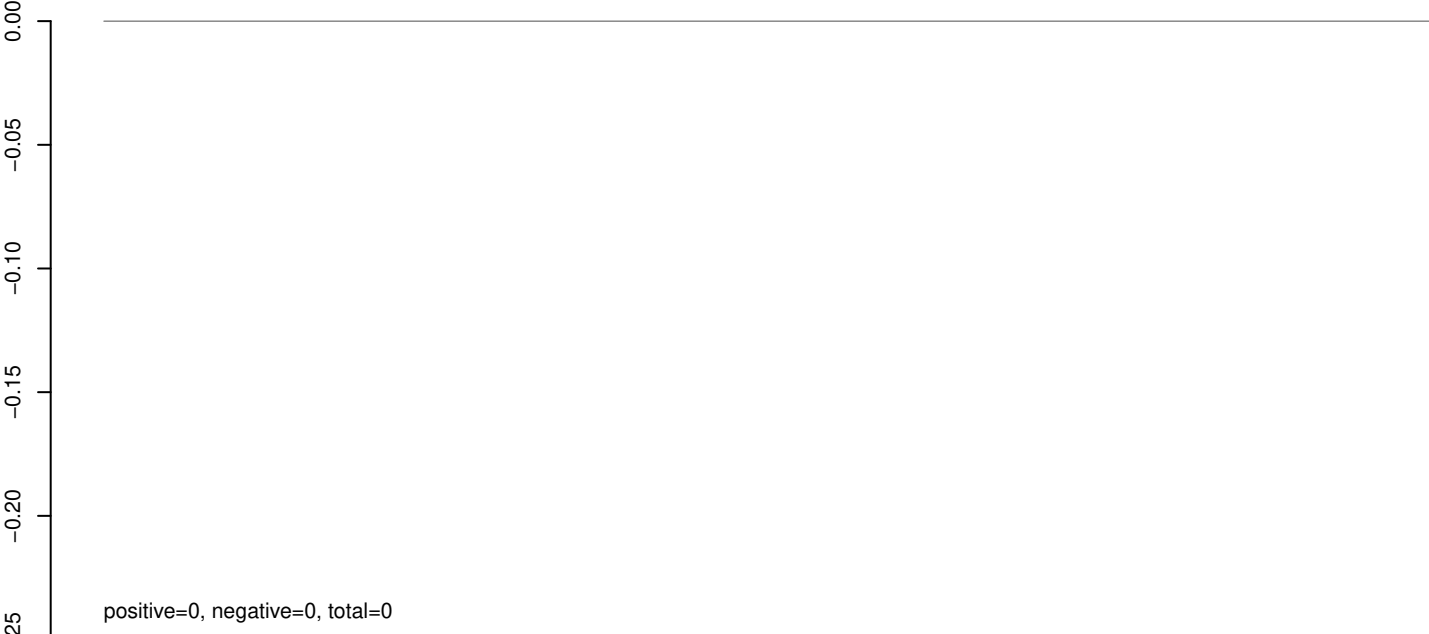
Window size=25, length=10791, virus@NC\_016997.1-Donggang\_virus:1-10791

0 2000 4000 6000 8000 10000

**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



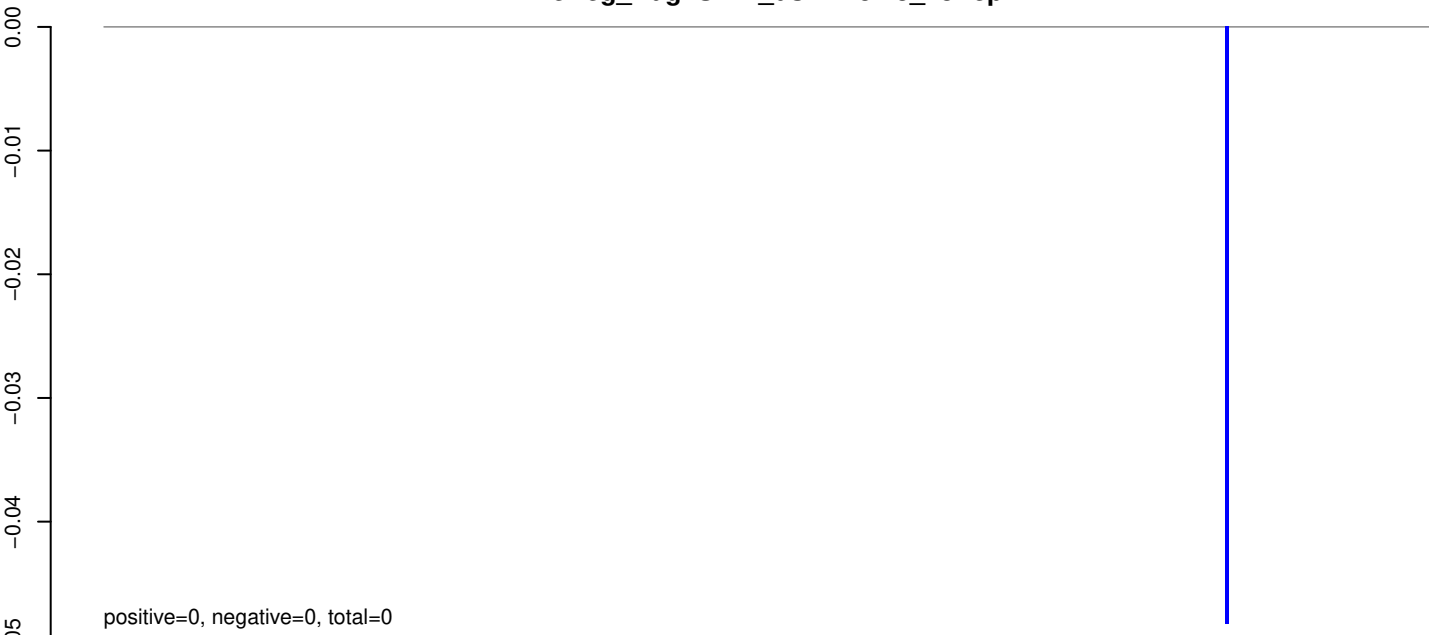
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



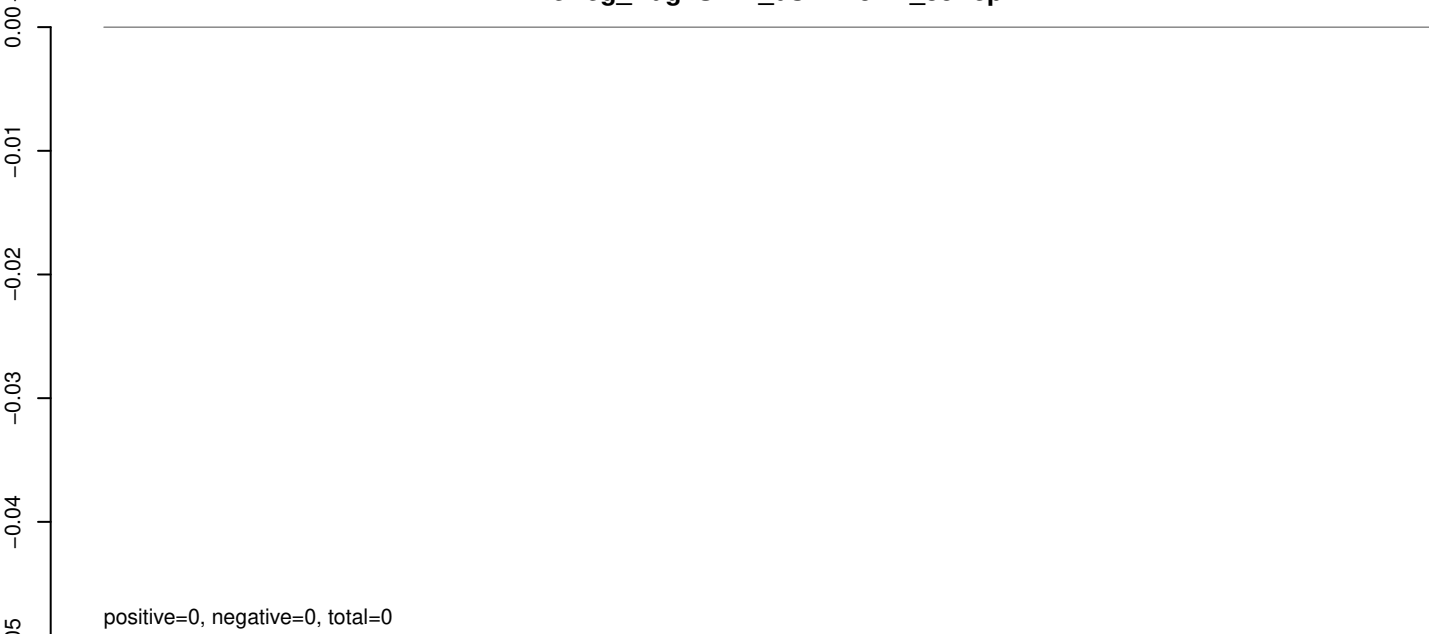
Window size=25, length=10814, virus@NC\_012735.1-Wesselsbron\_virus:1-10814

0 2000 4000 6000 8000 10000

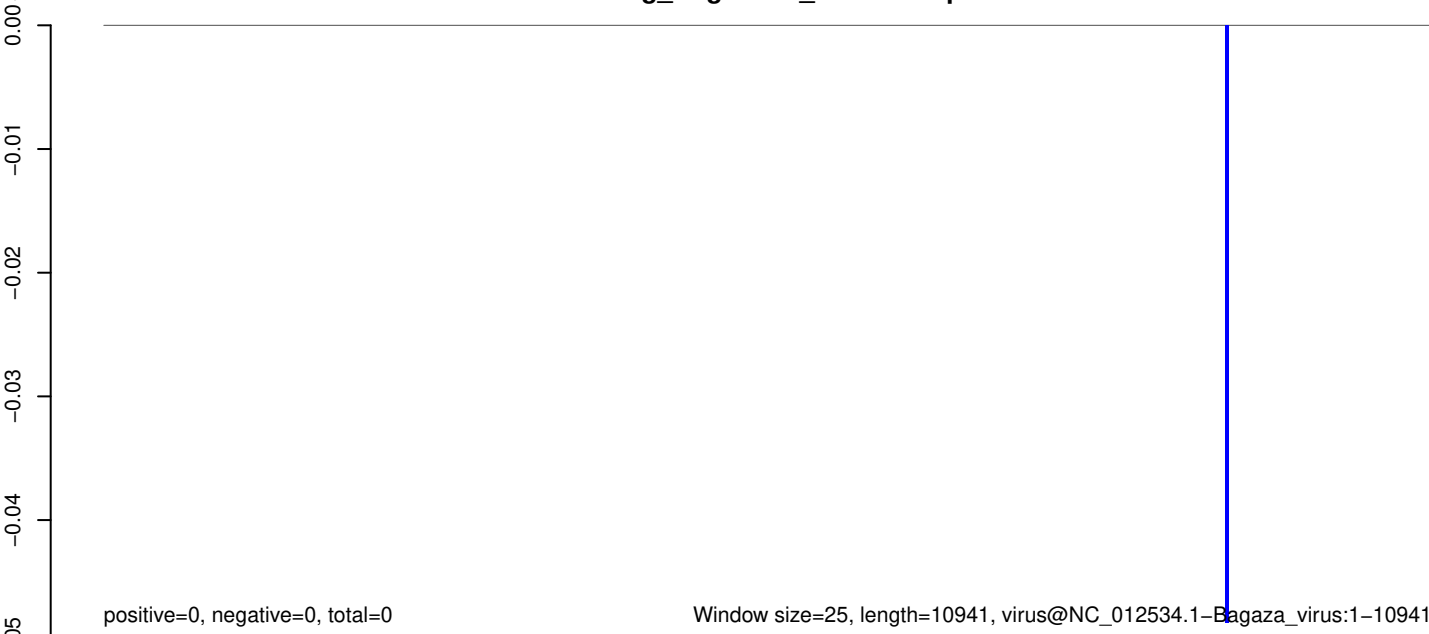
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



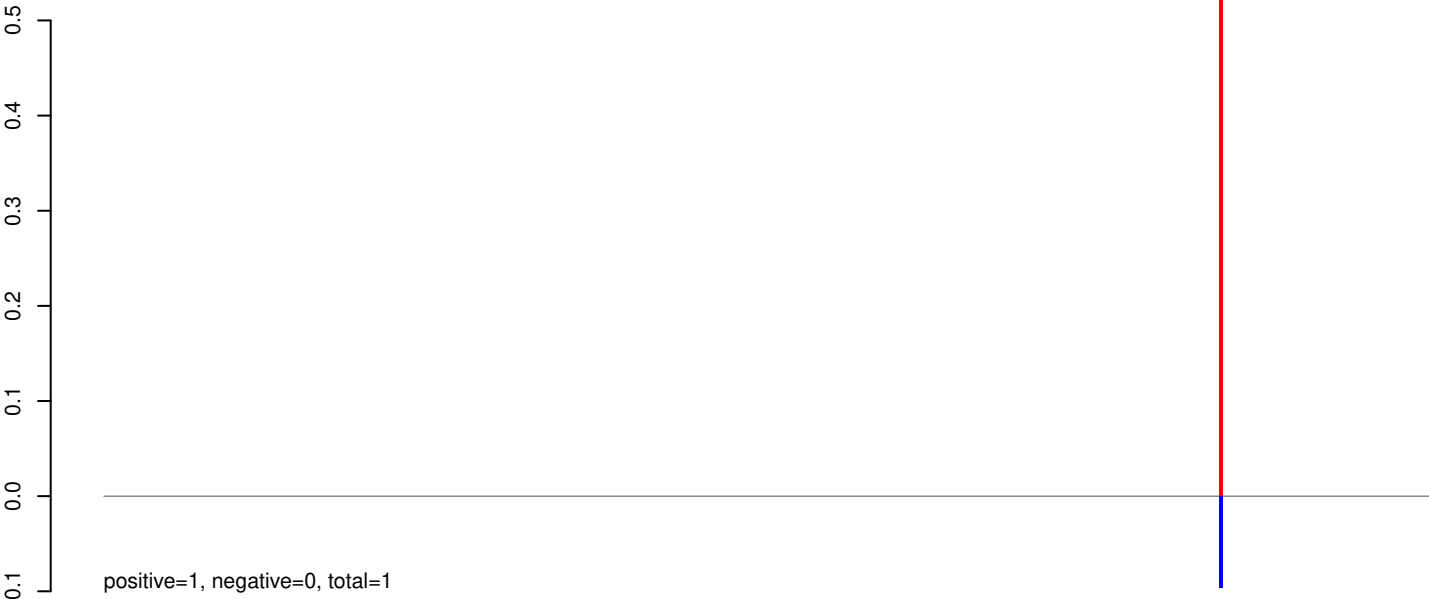
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



Window size=25, length=10941, virus@NC\_012534.1-Bagaza\_virus:1-10941

0 2000 4000 6000 8000 10000

**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



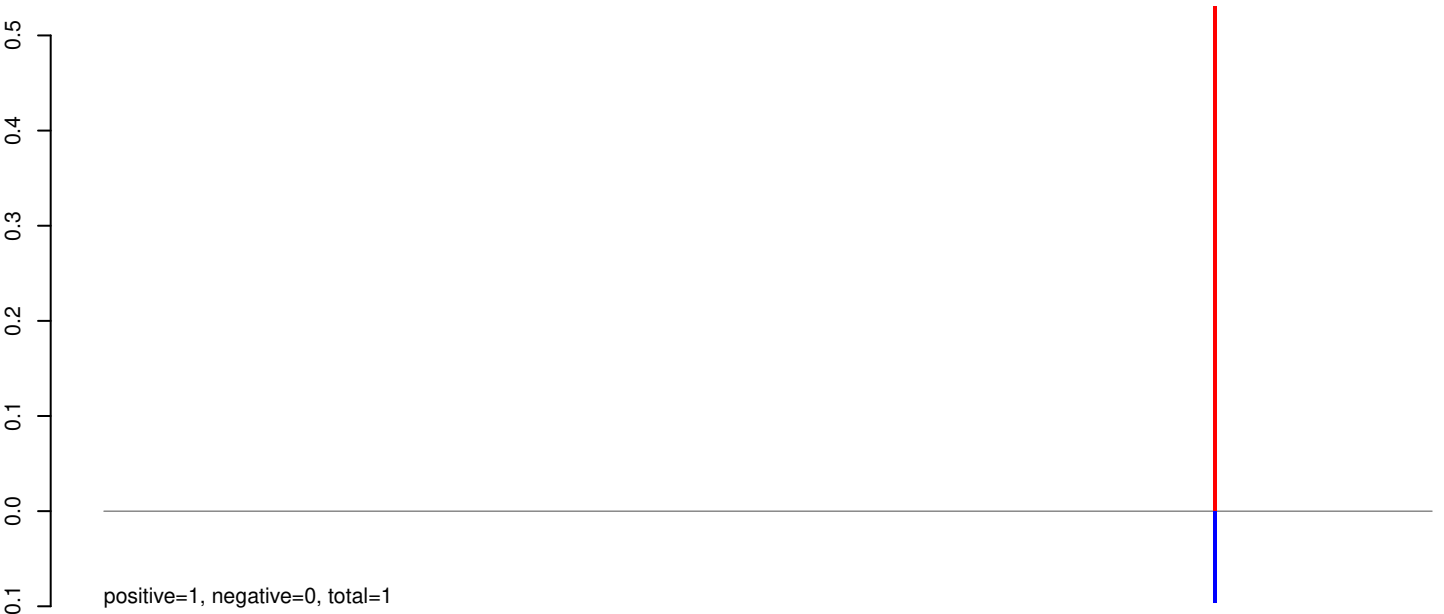
**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



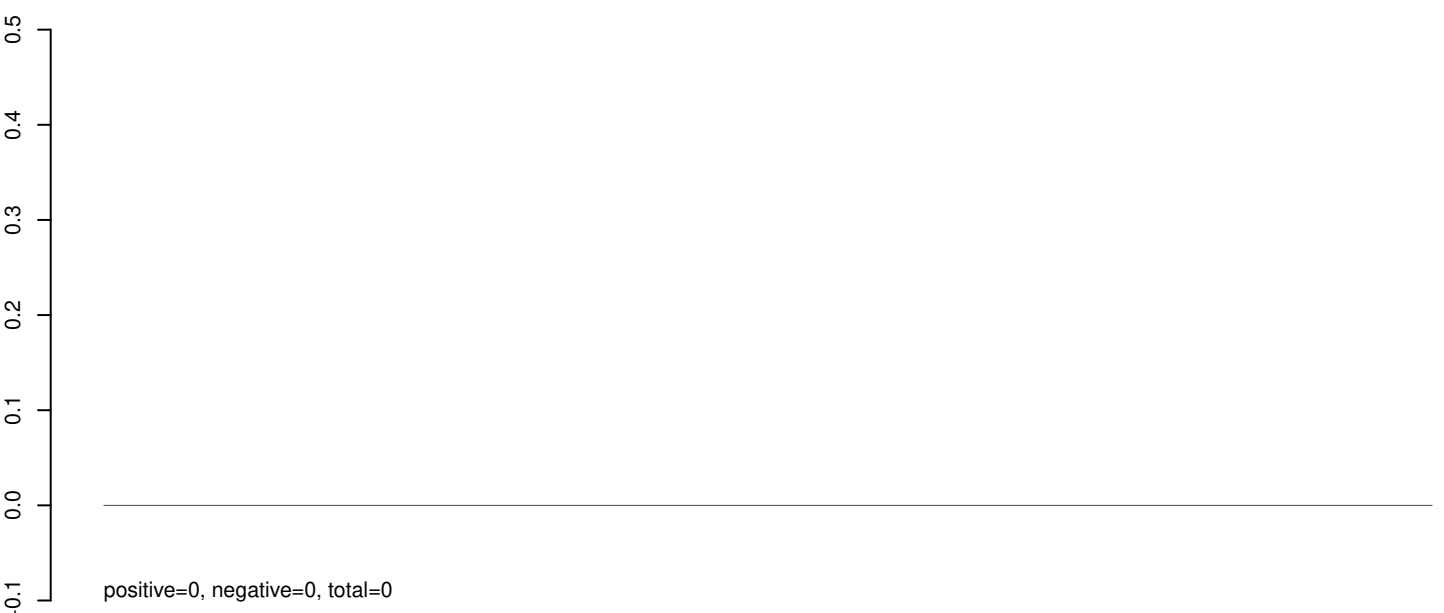
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



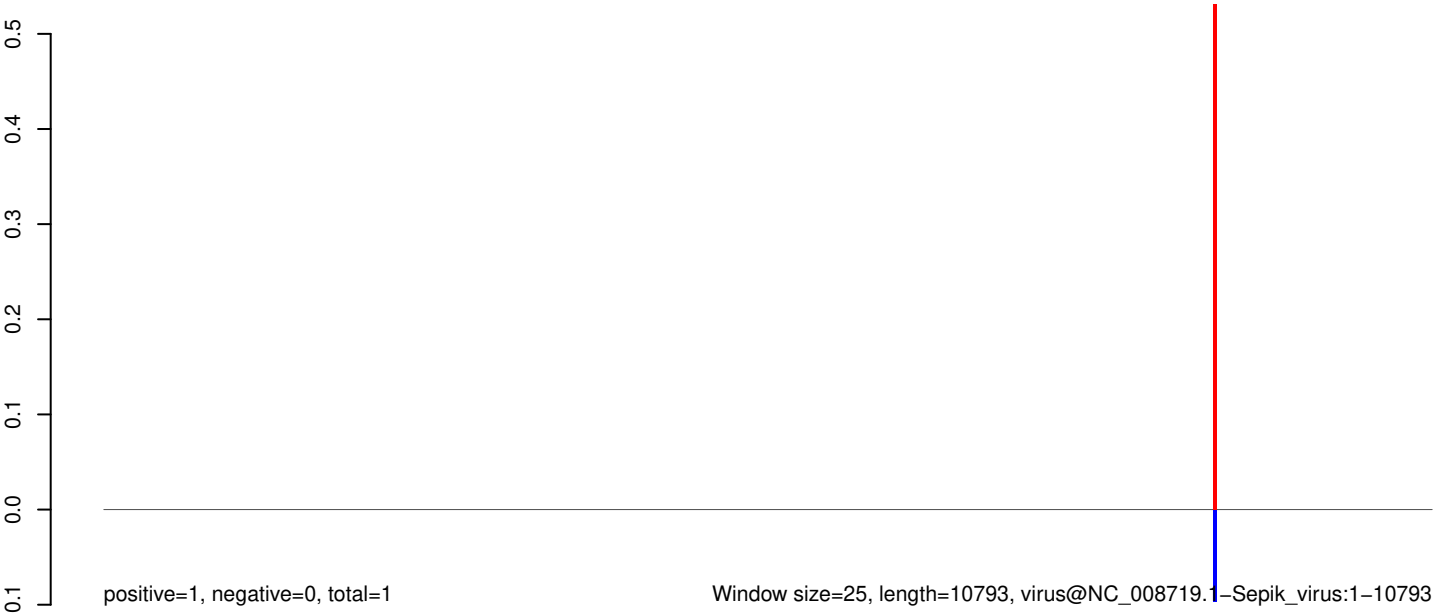
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



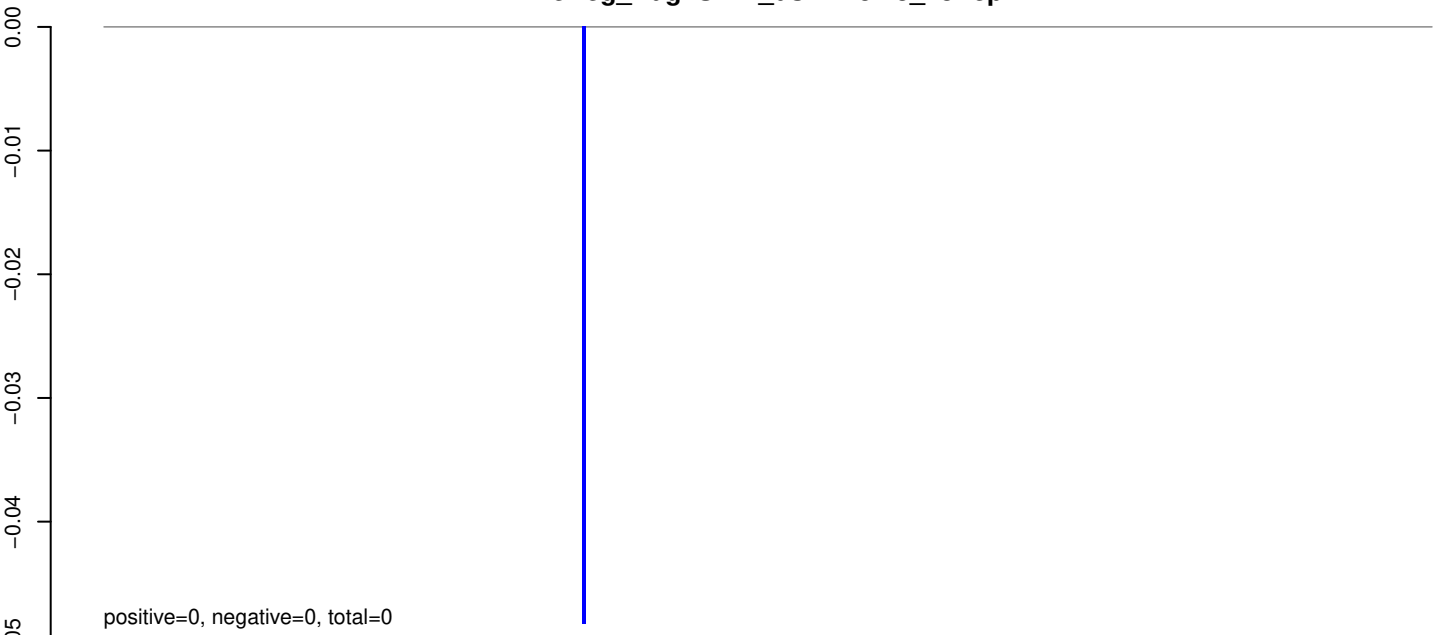
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



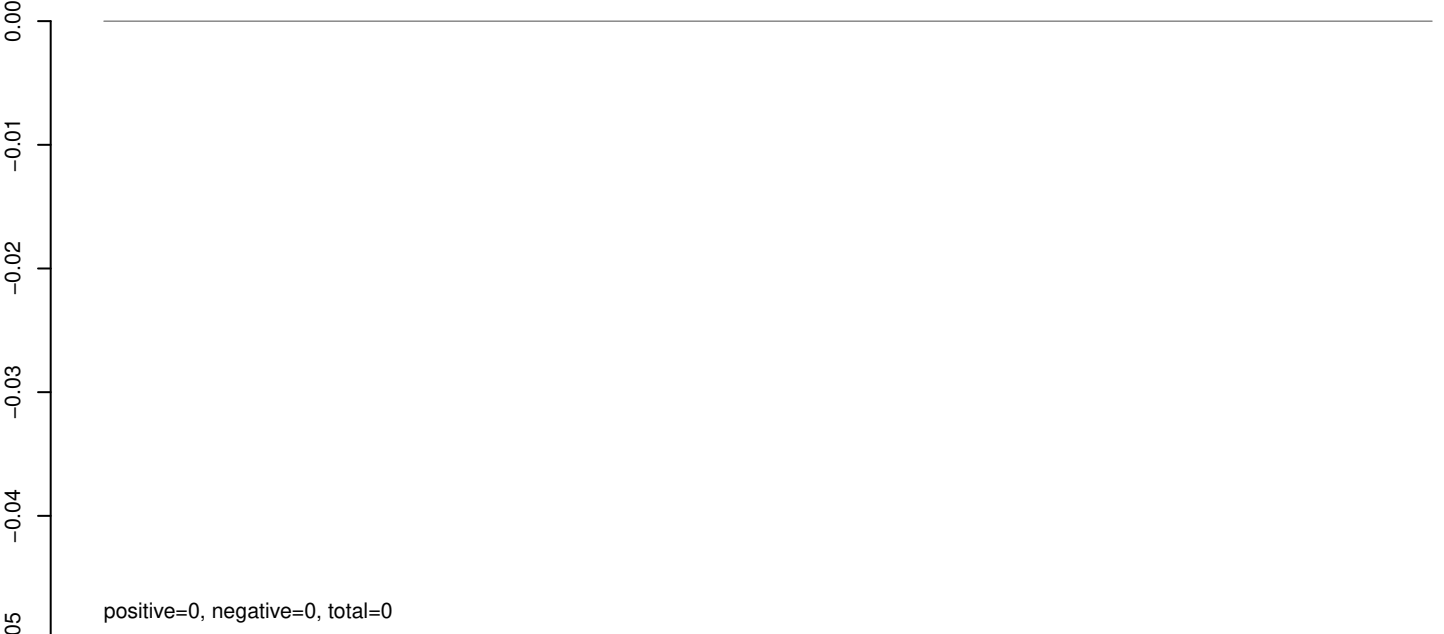
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0 2000 4000 6000 8000 10000

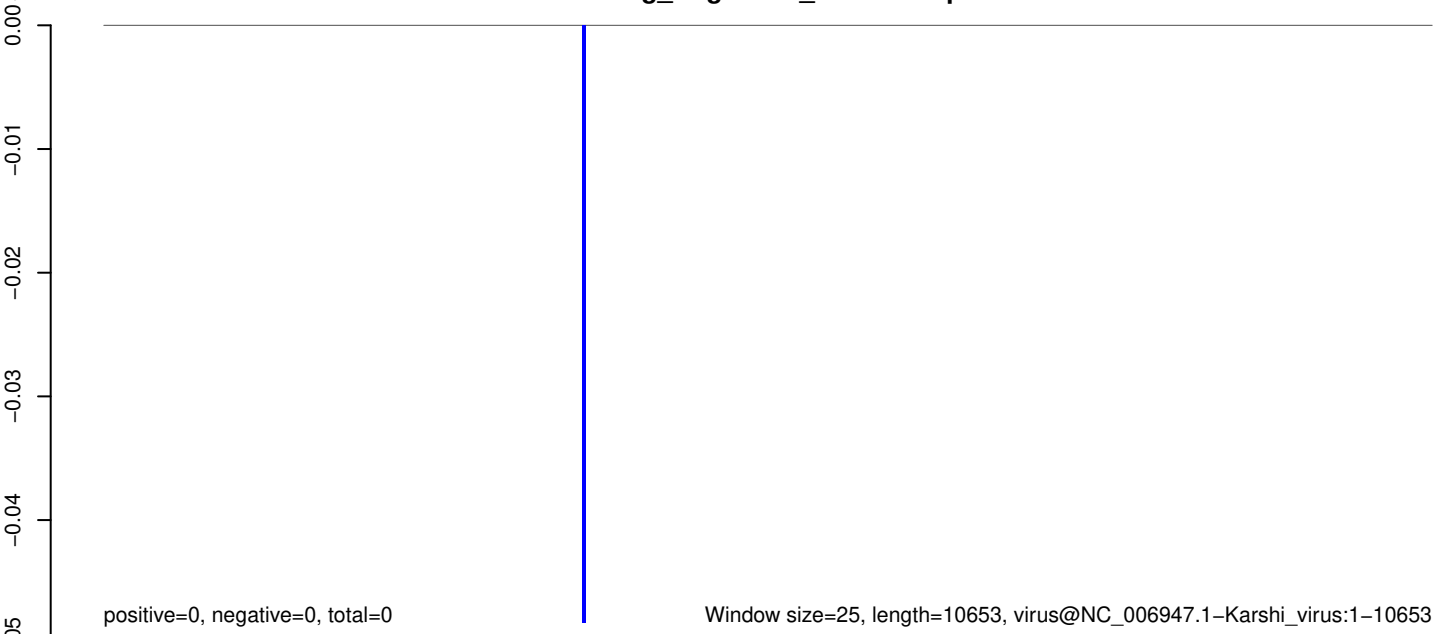
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

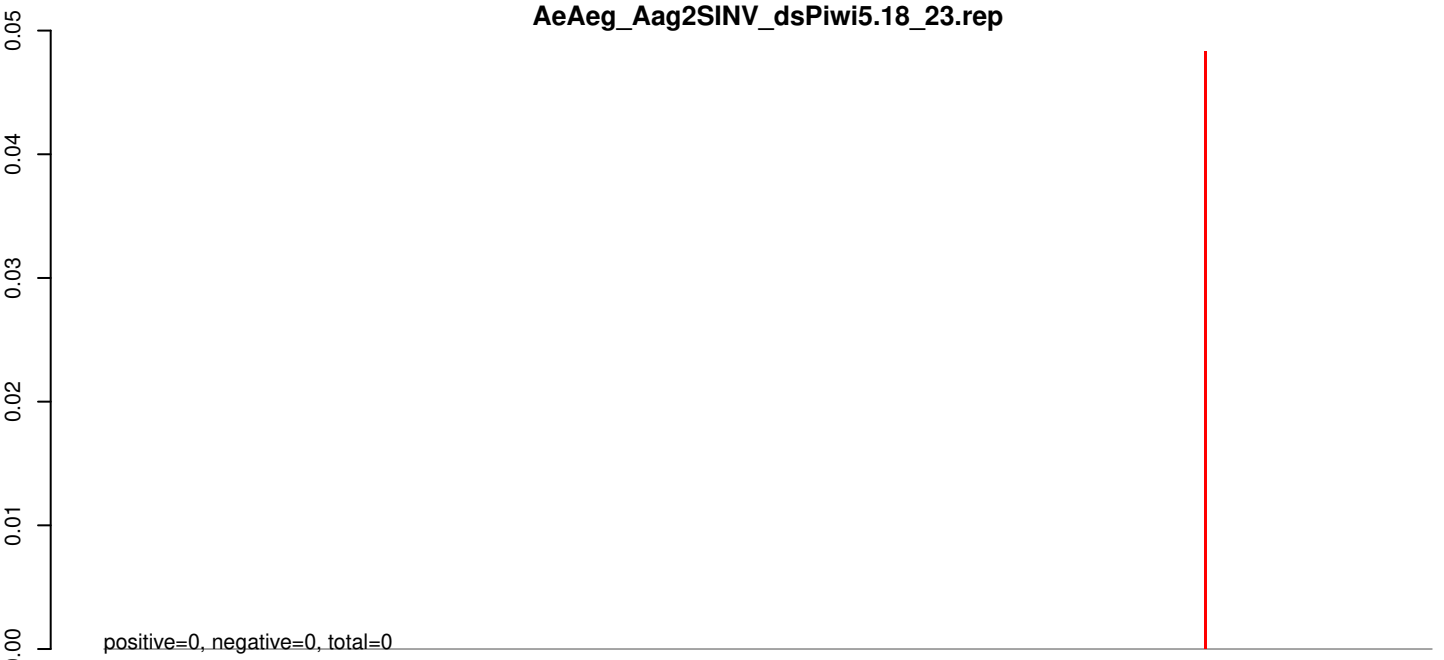


**AeAeg\_Aag2SINV\_dsPiwi5.rep**

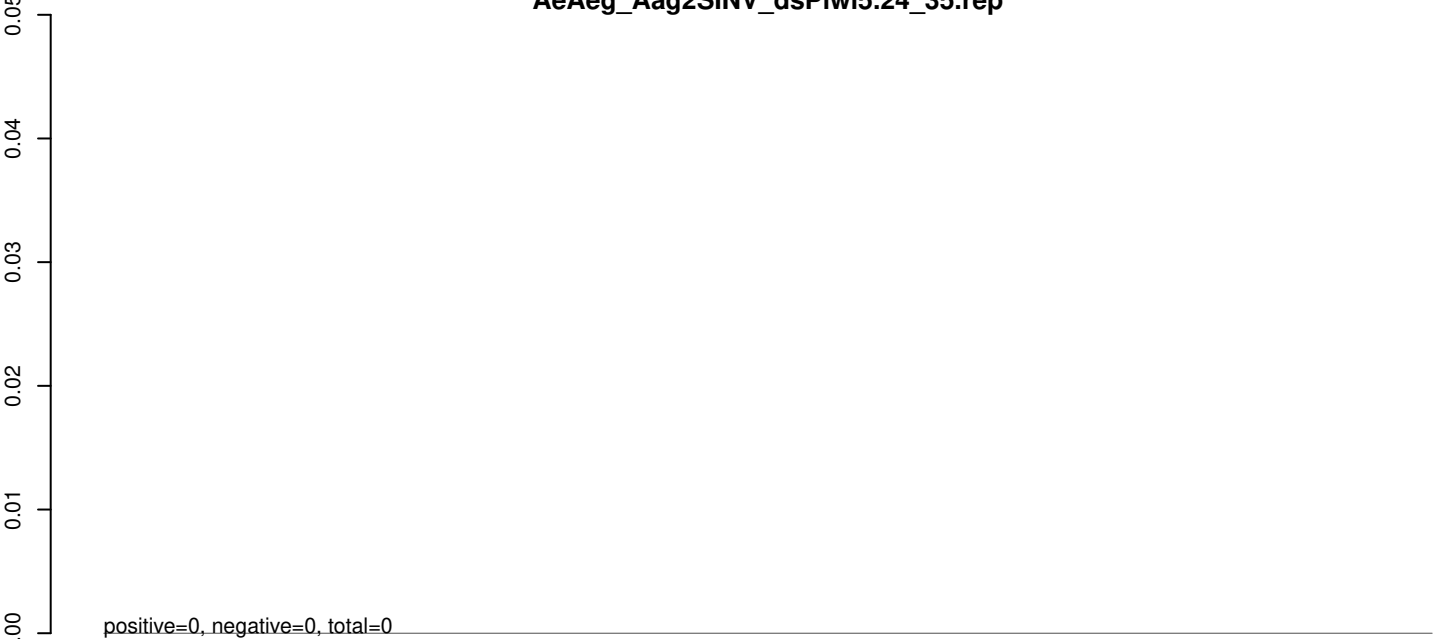




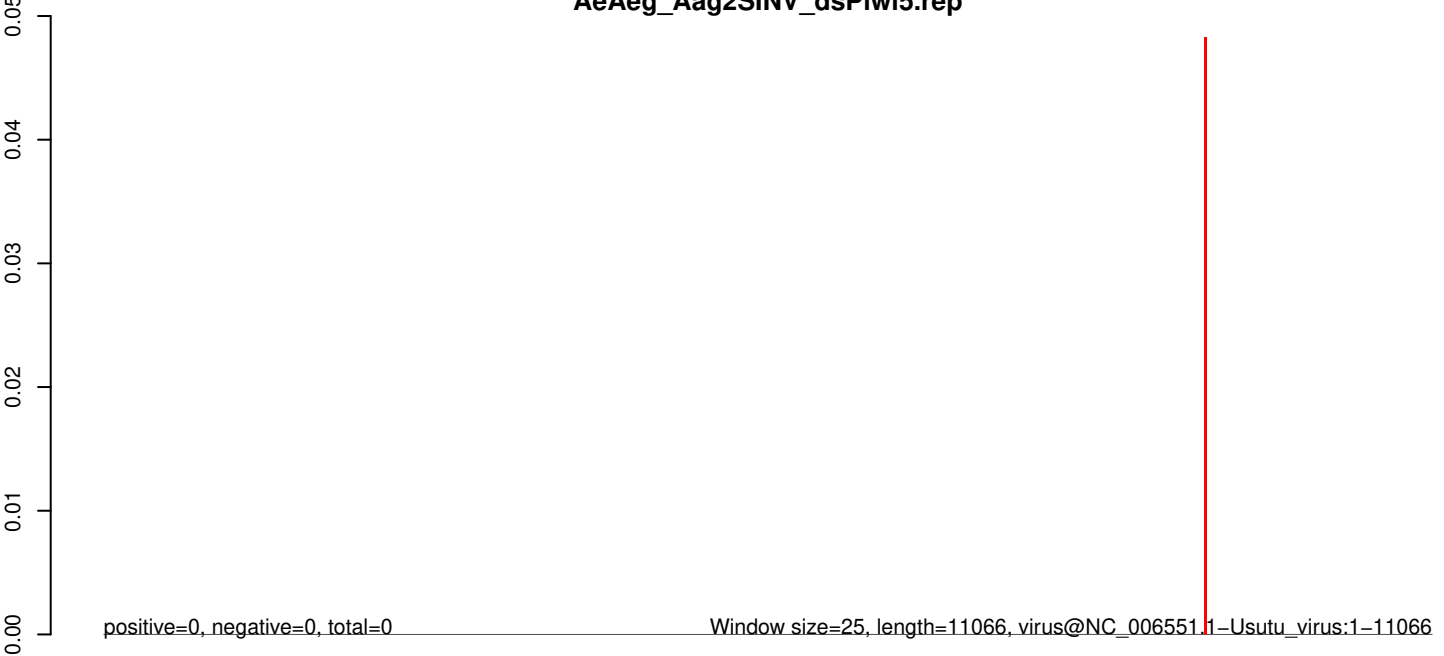
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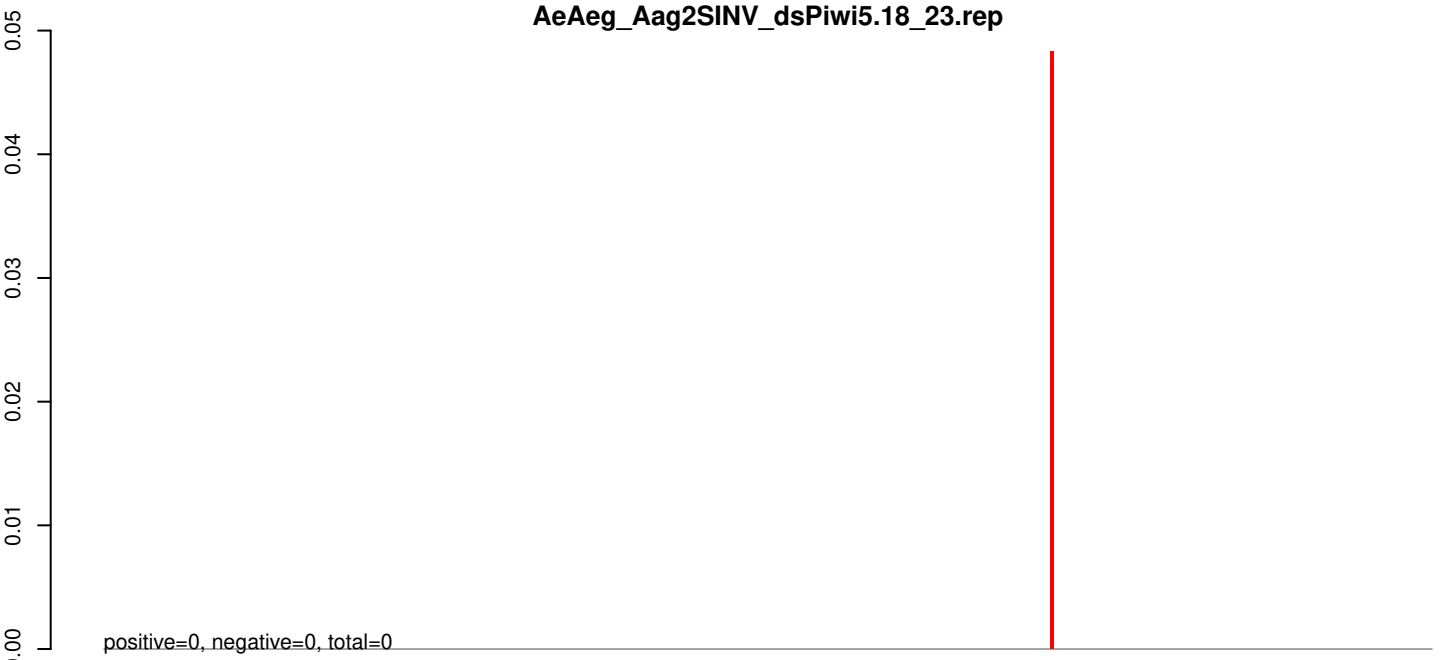
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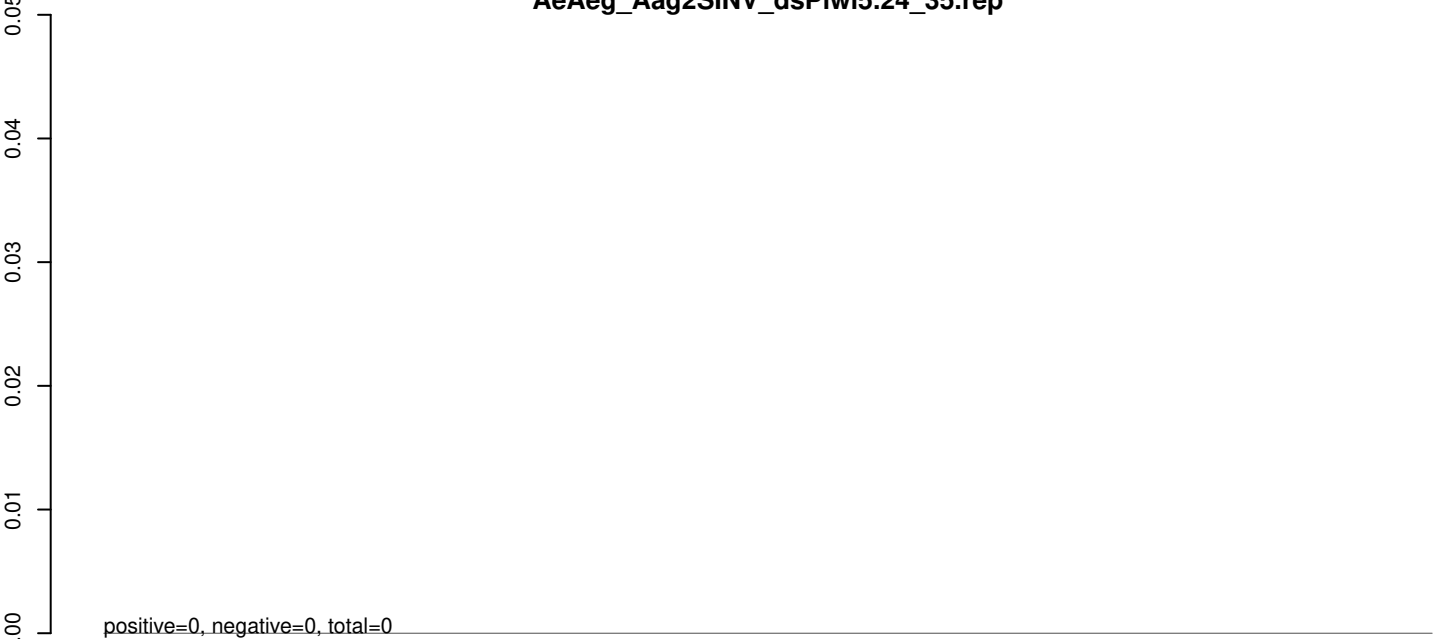
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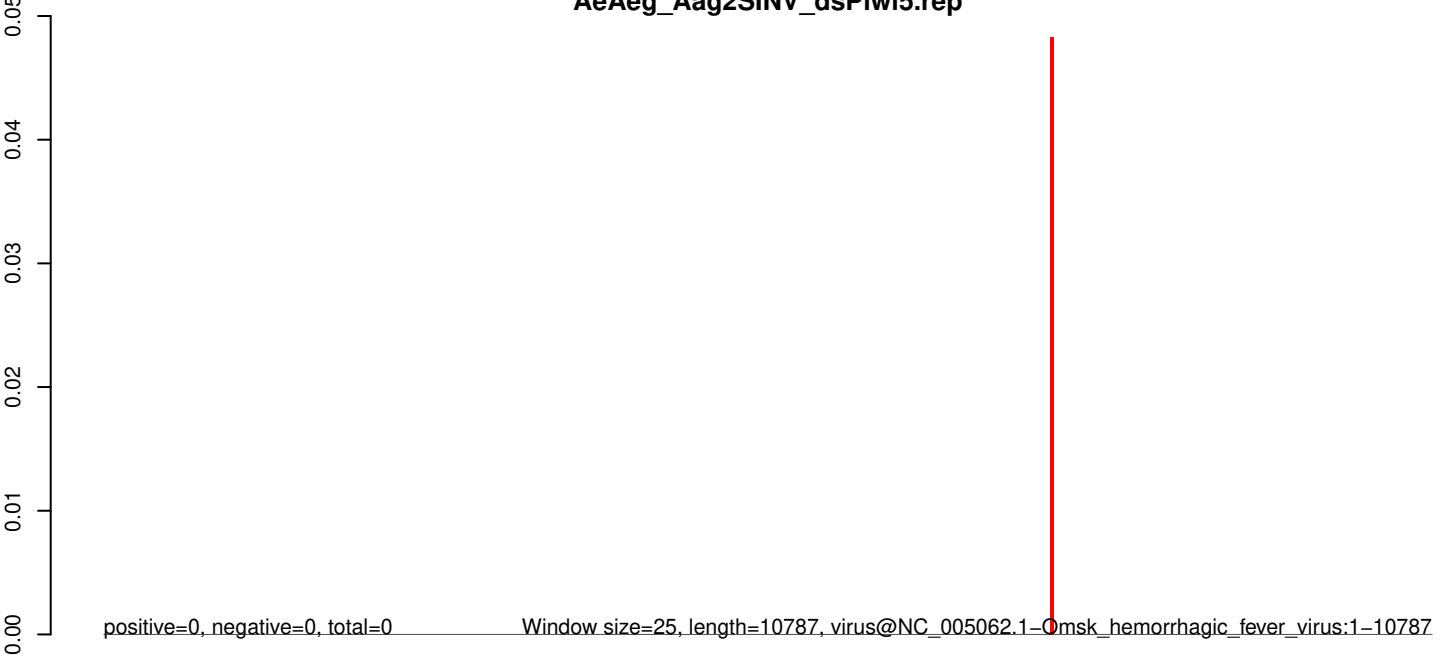
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**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

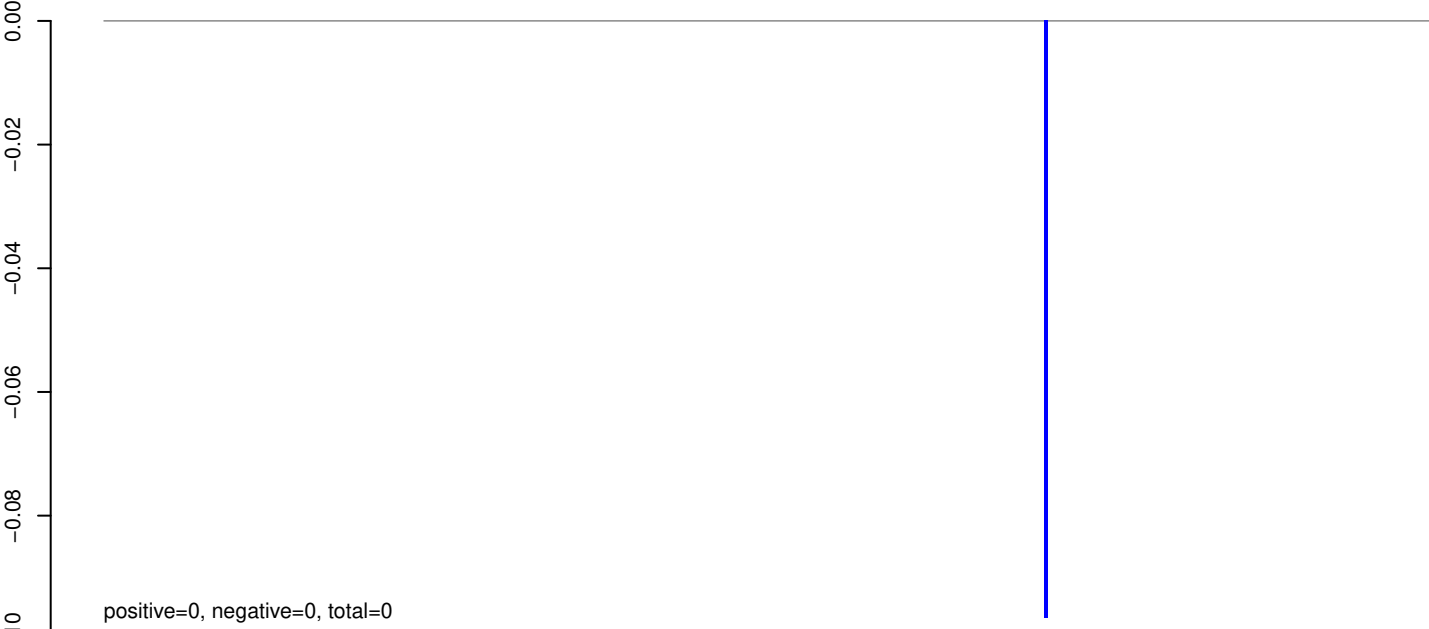


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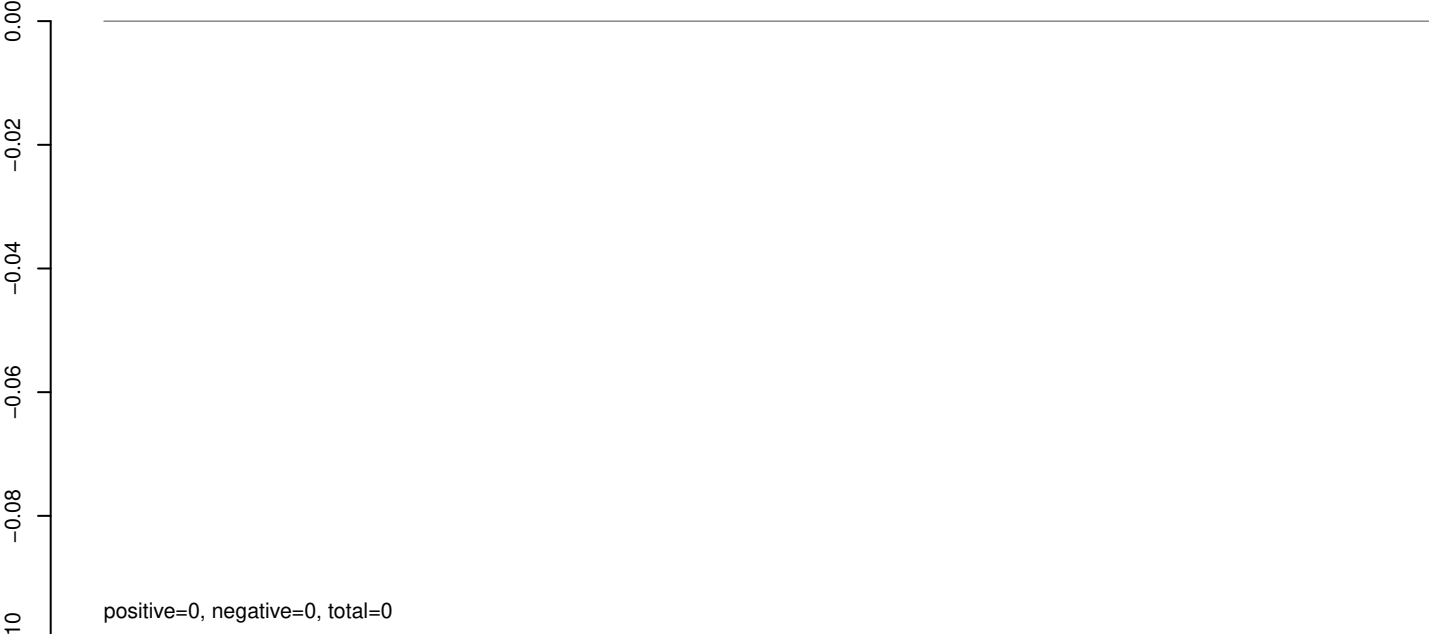


0 2000 4000 6000 8000 10000

**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



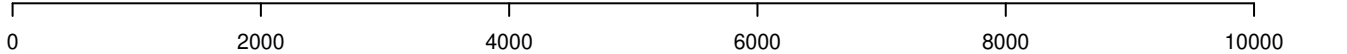
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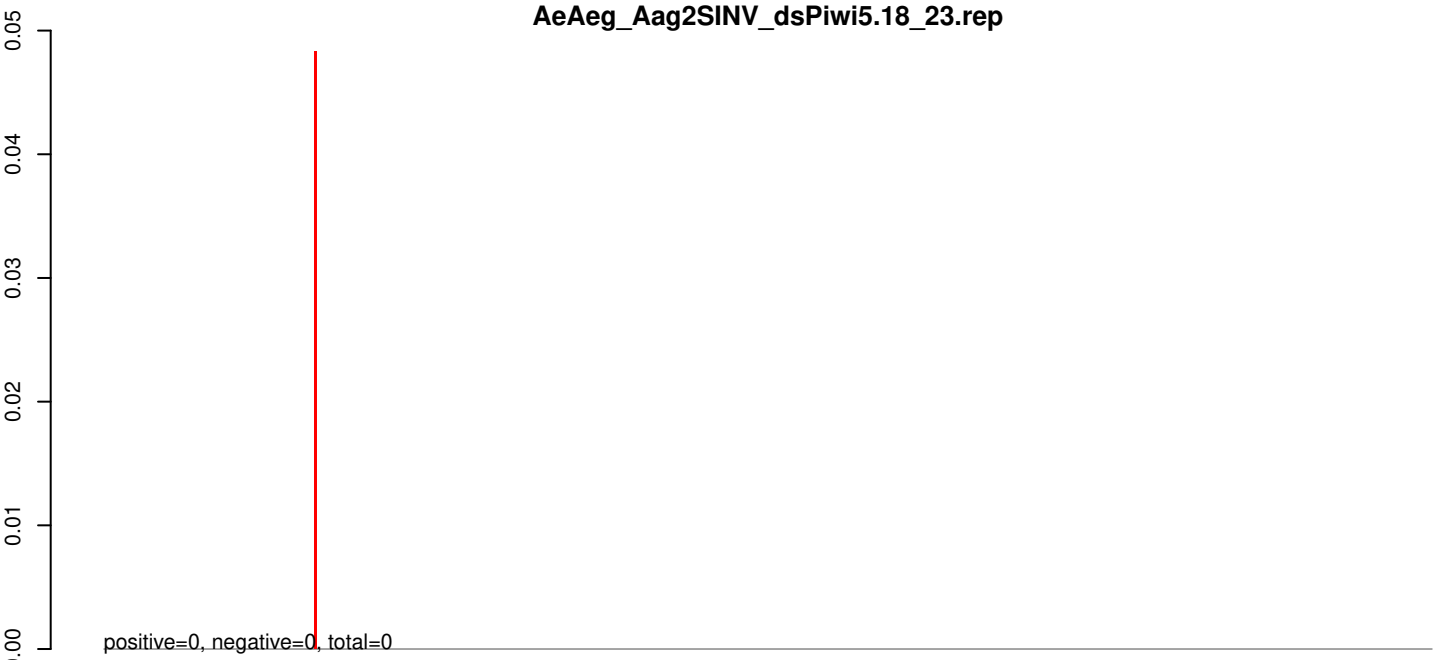
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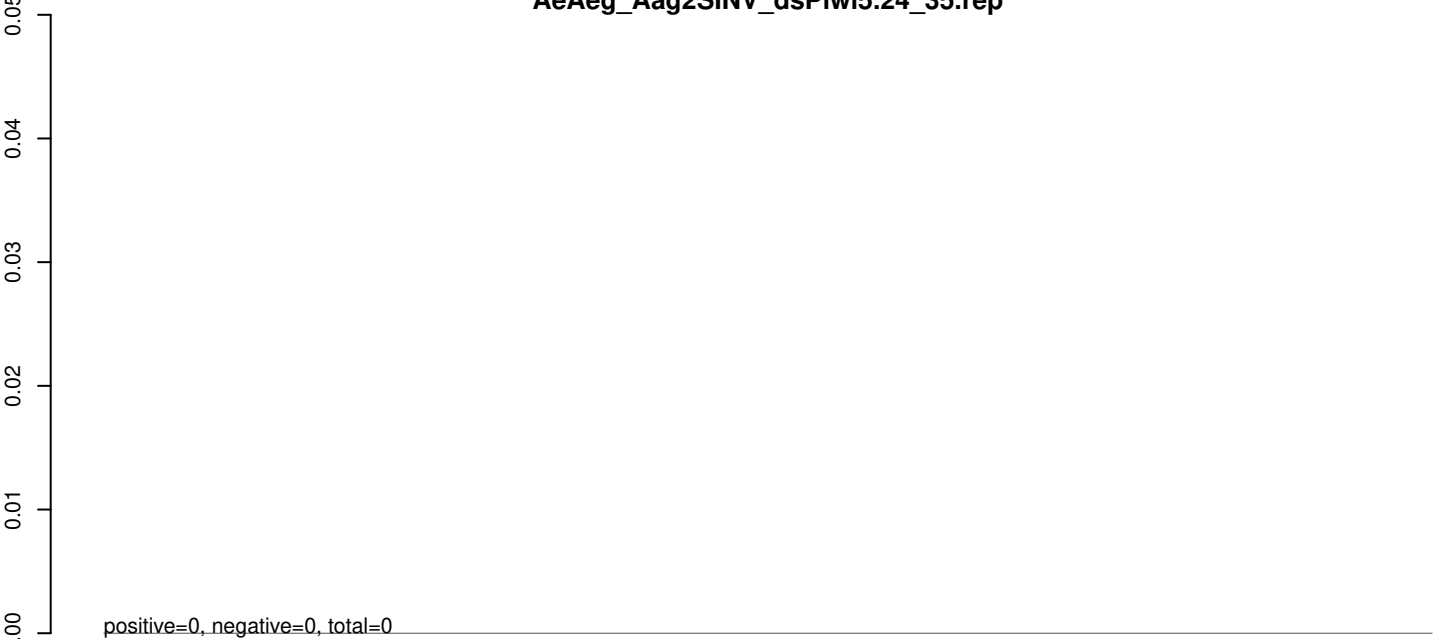
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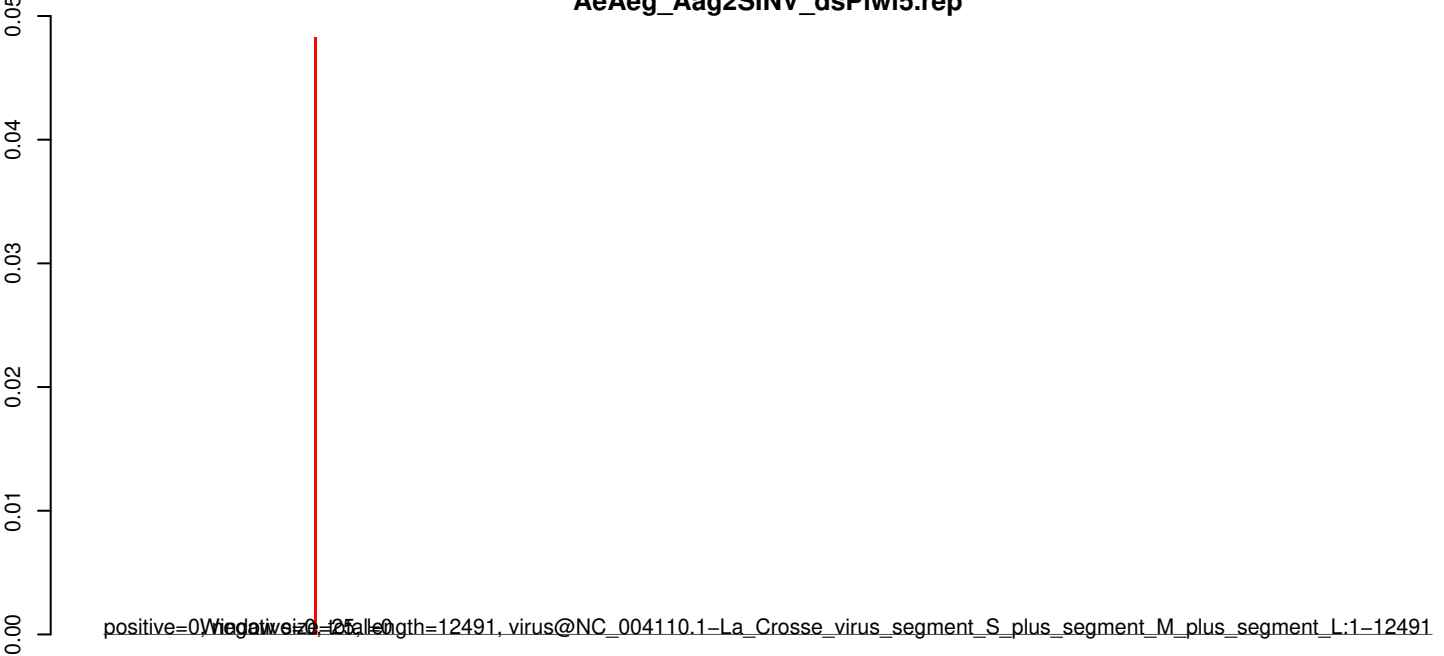
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

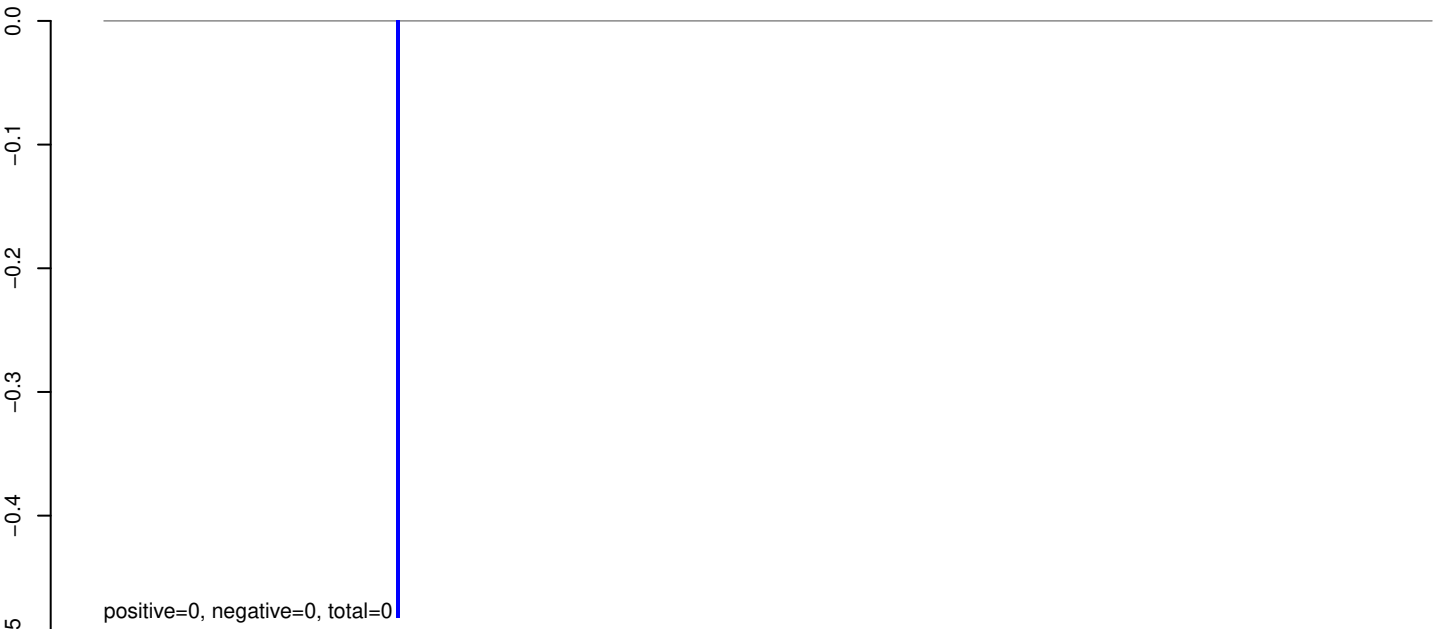


**AeAeg\_Aag2SINV\_dsPiwi5.rep**

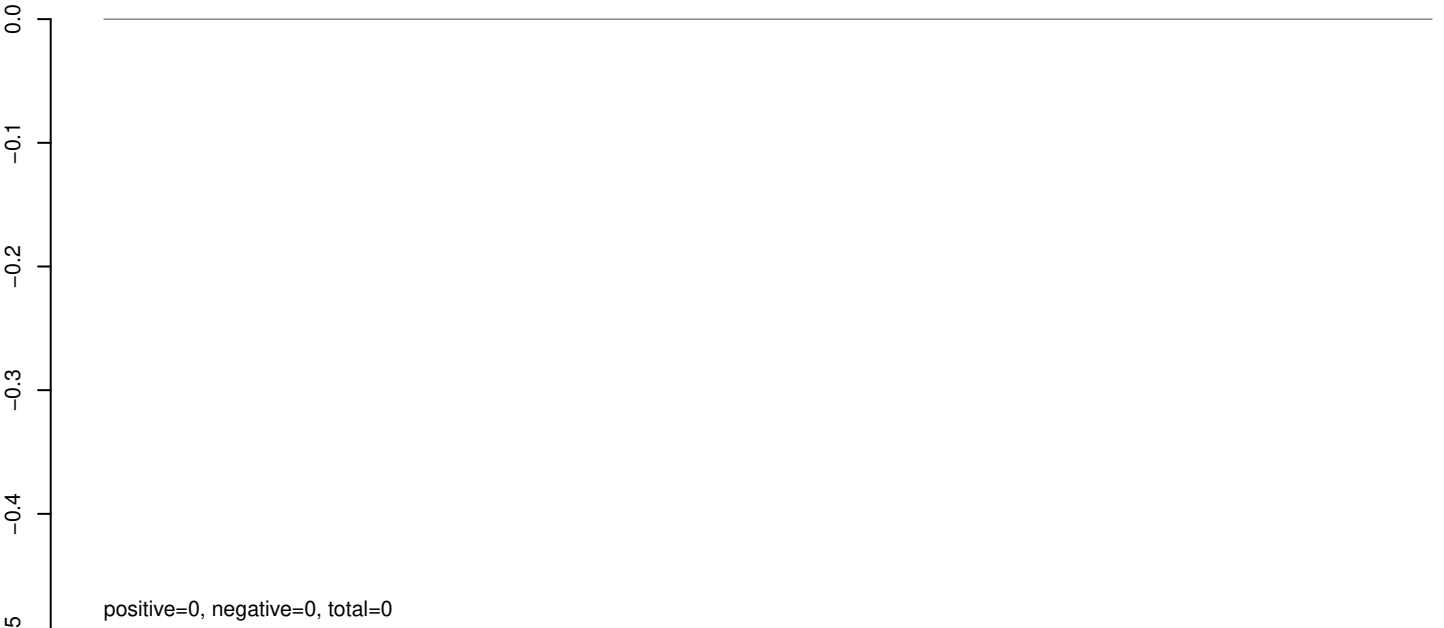


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negative=0, total=12491, virus@NC\_004110.1-La\_Crosse\_virus\_segment\_S\_plus\_segment\_M\_plus\_segment\_L:1-12491

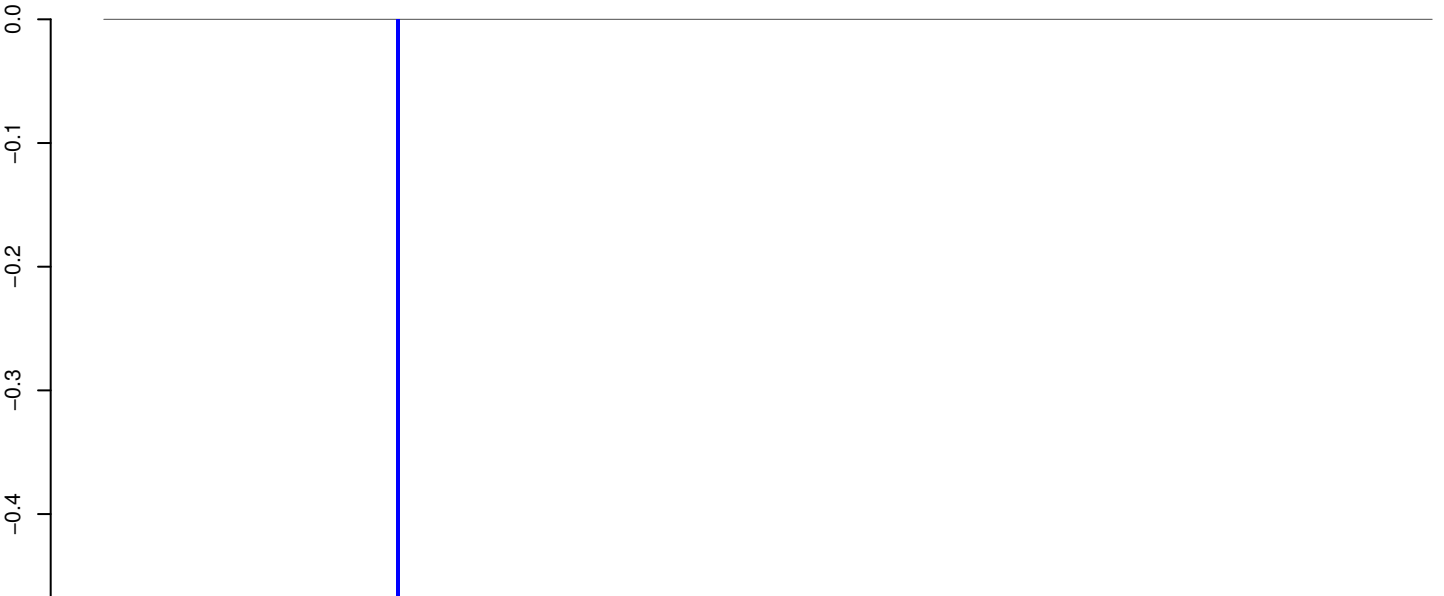
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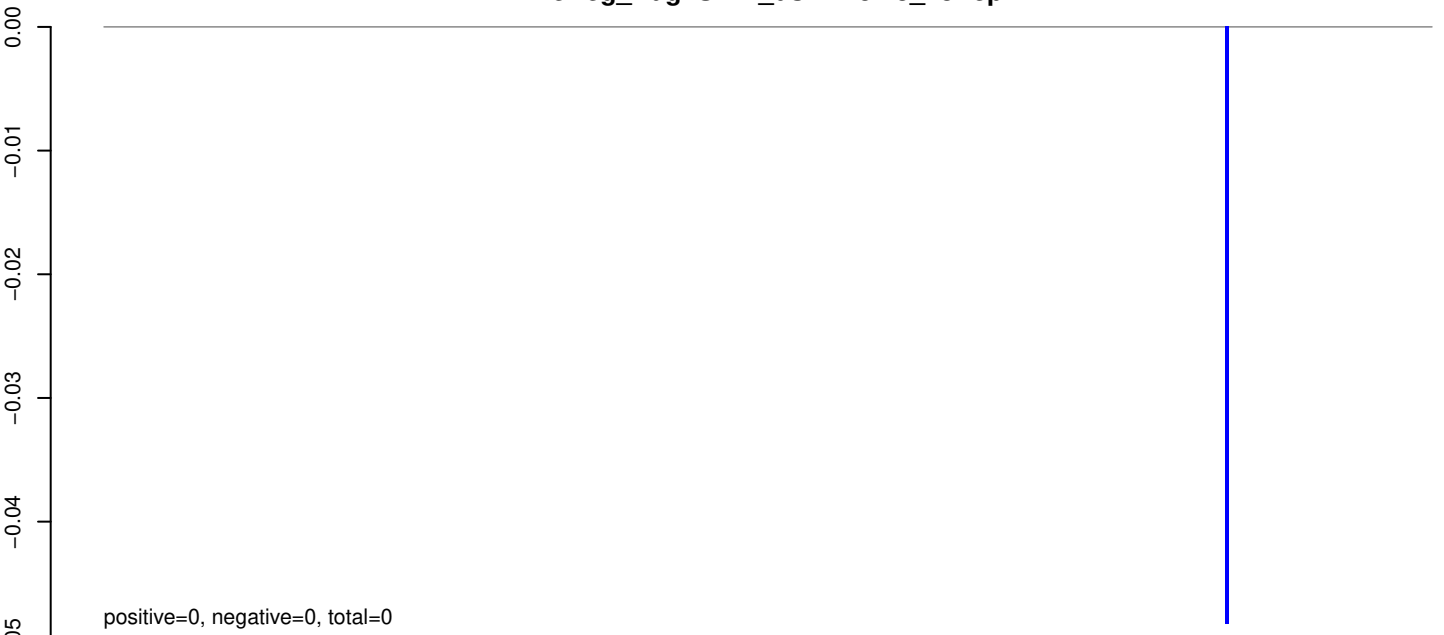
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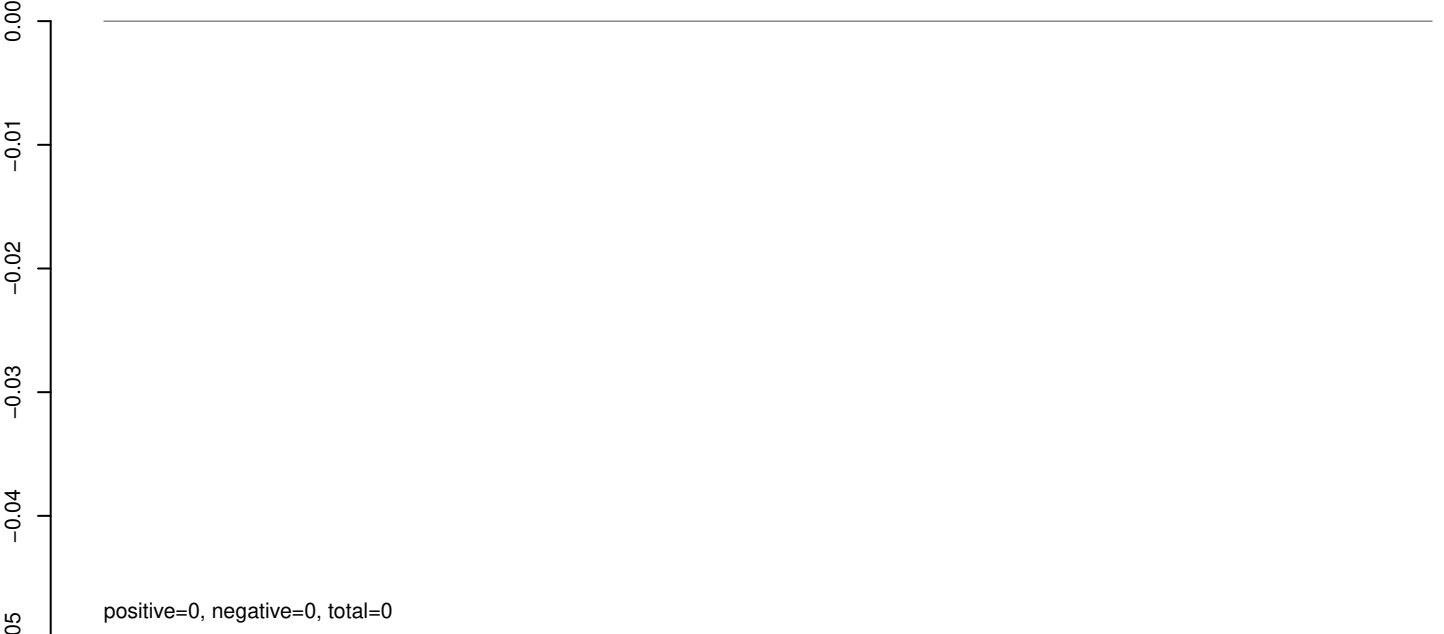
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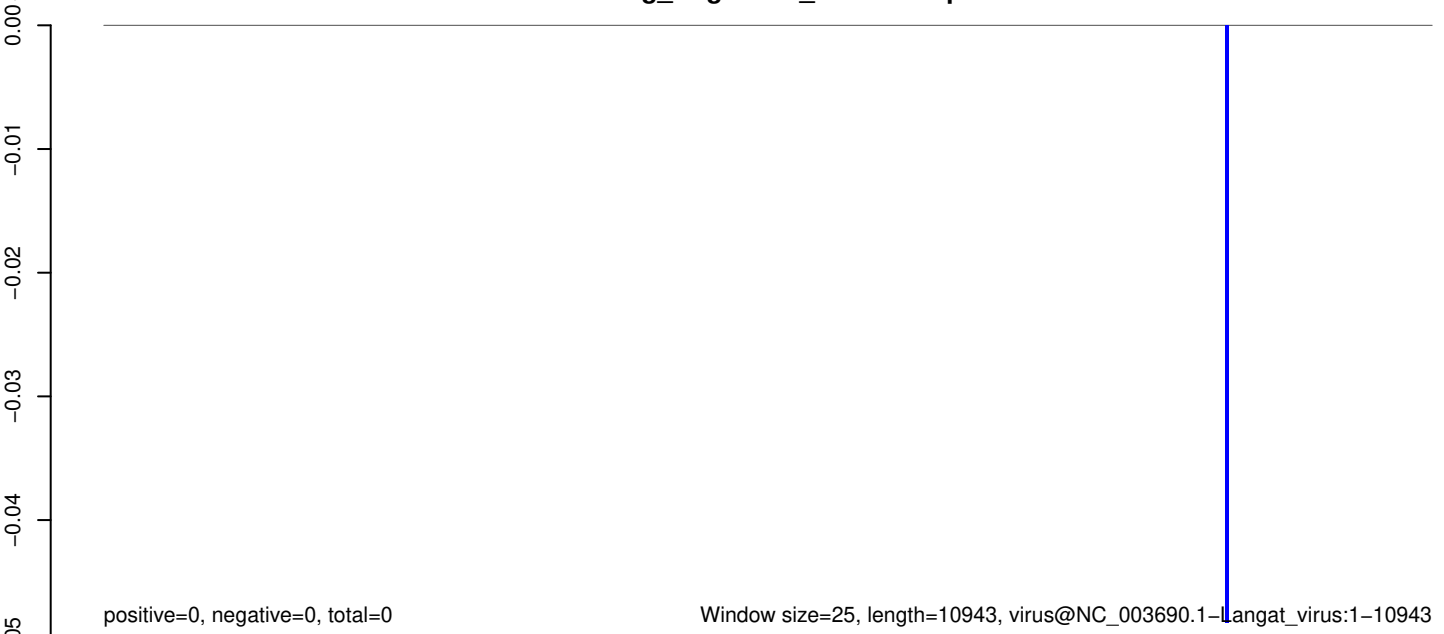
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**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



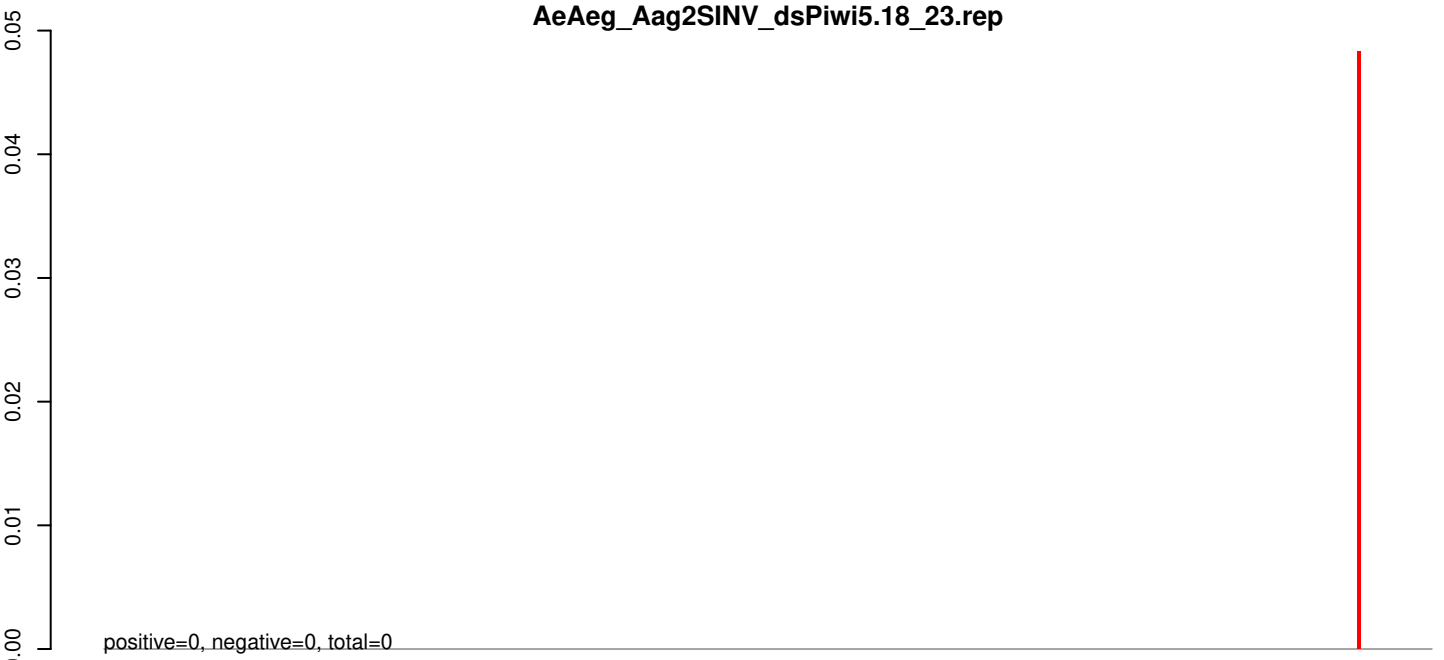
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



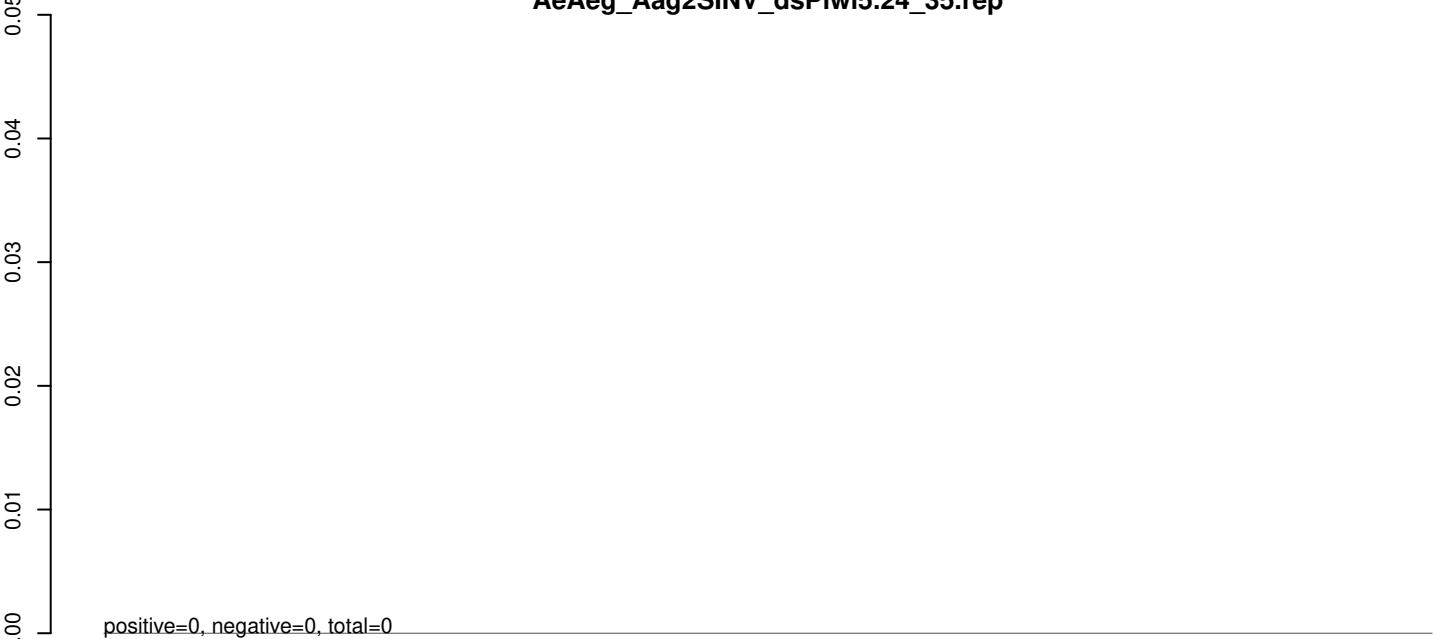
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0 2000 4000 6000 8000 10000

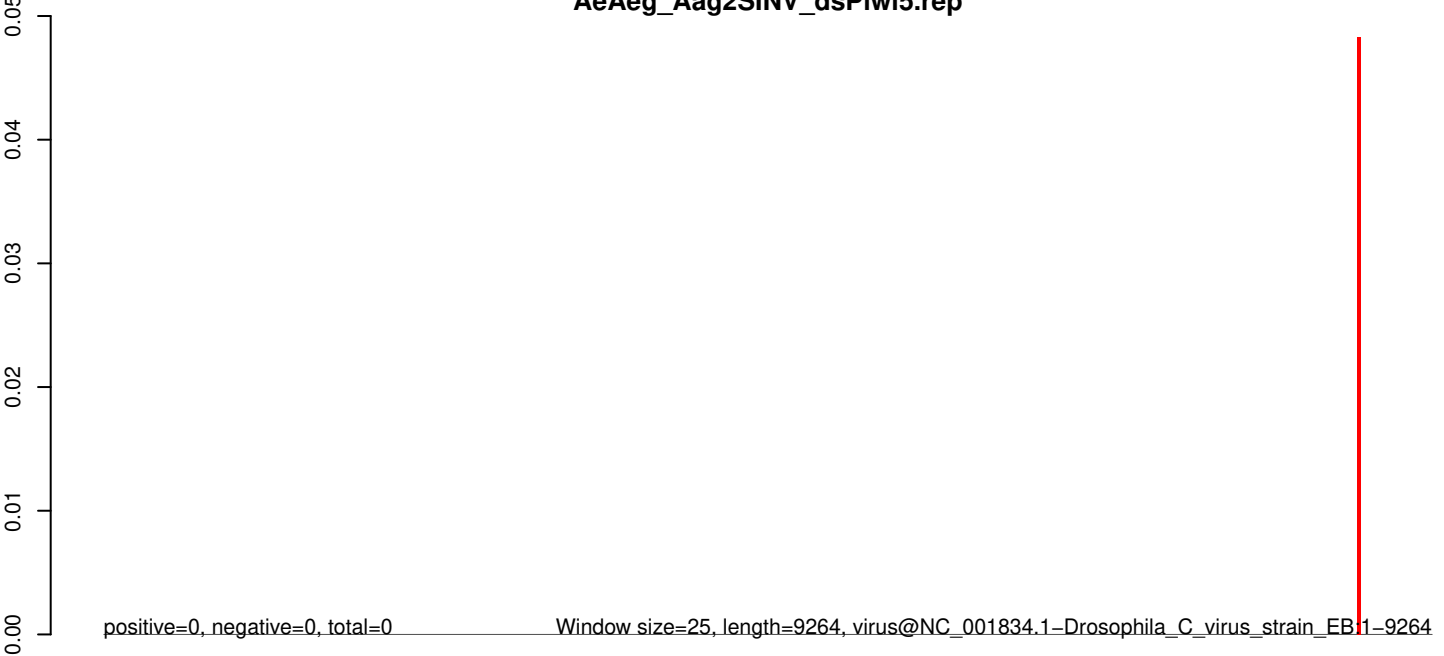
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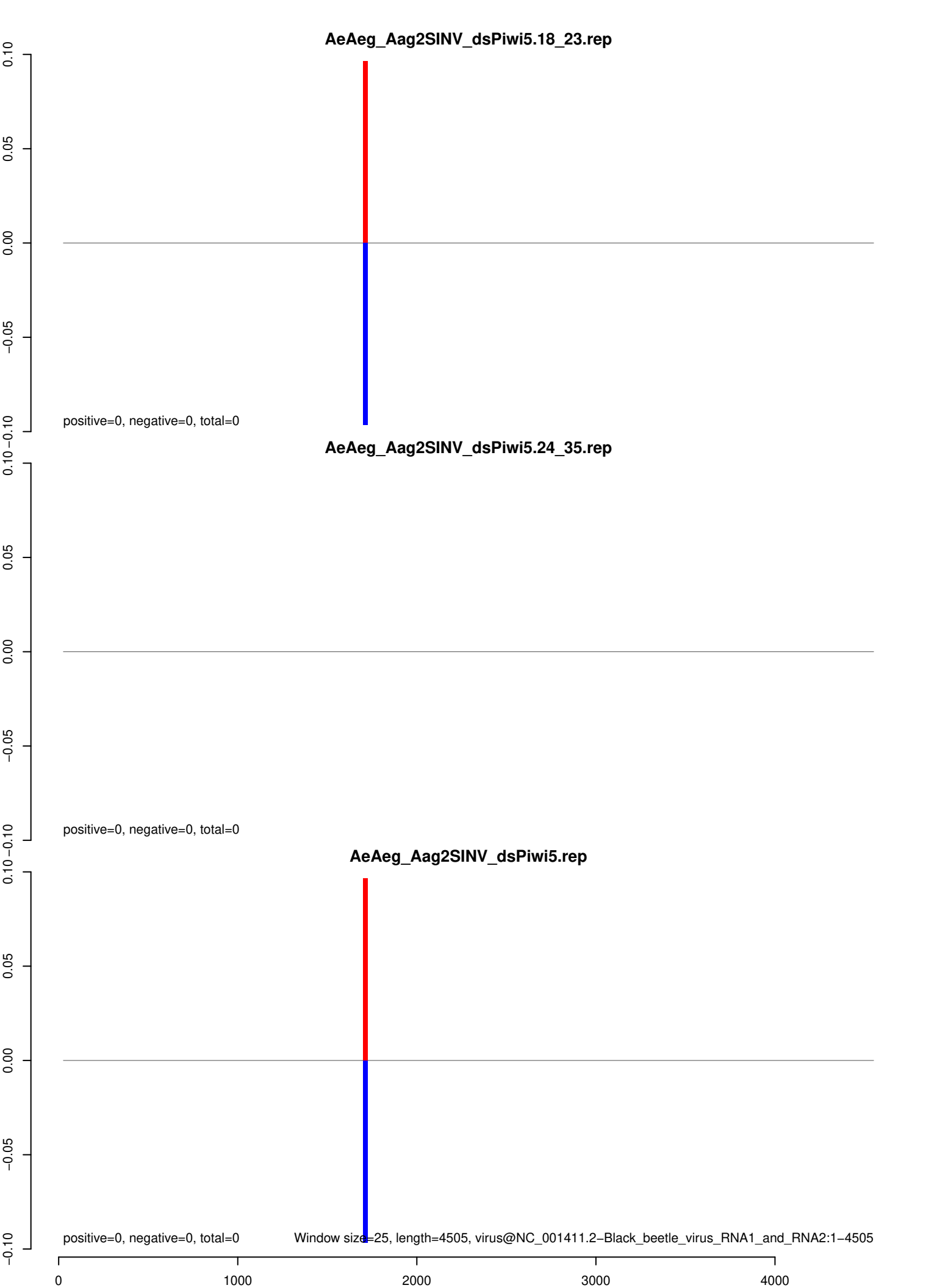
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**AeAeg\_Aag2SINV\_dsPiwi5.rep**

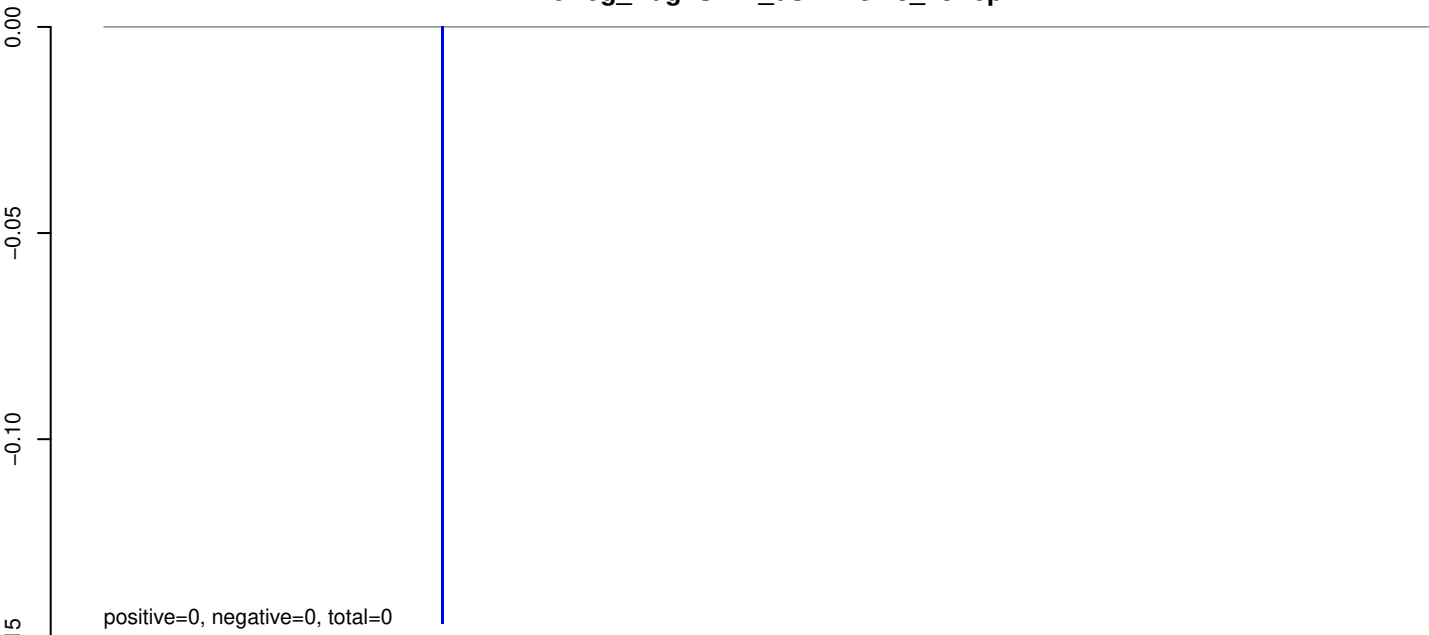


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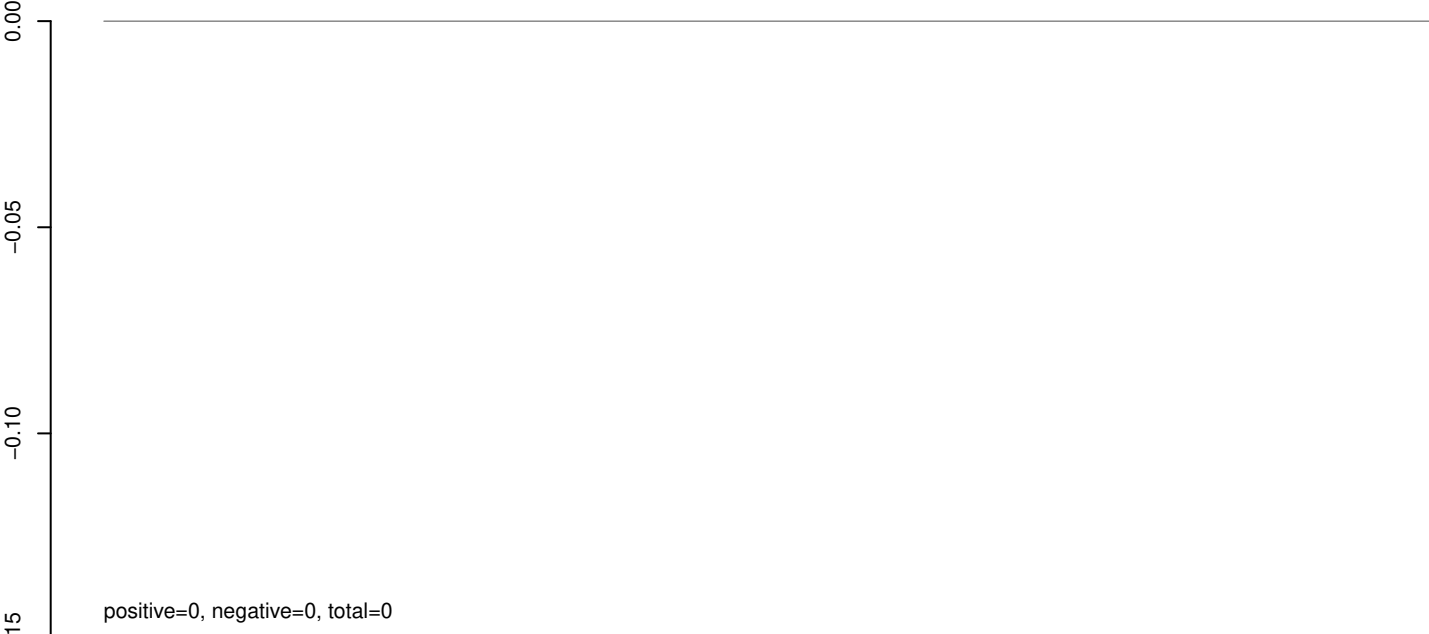




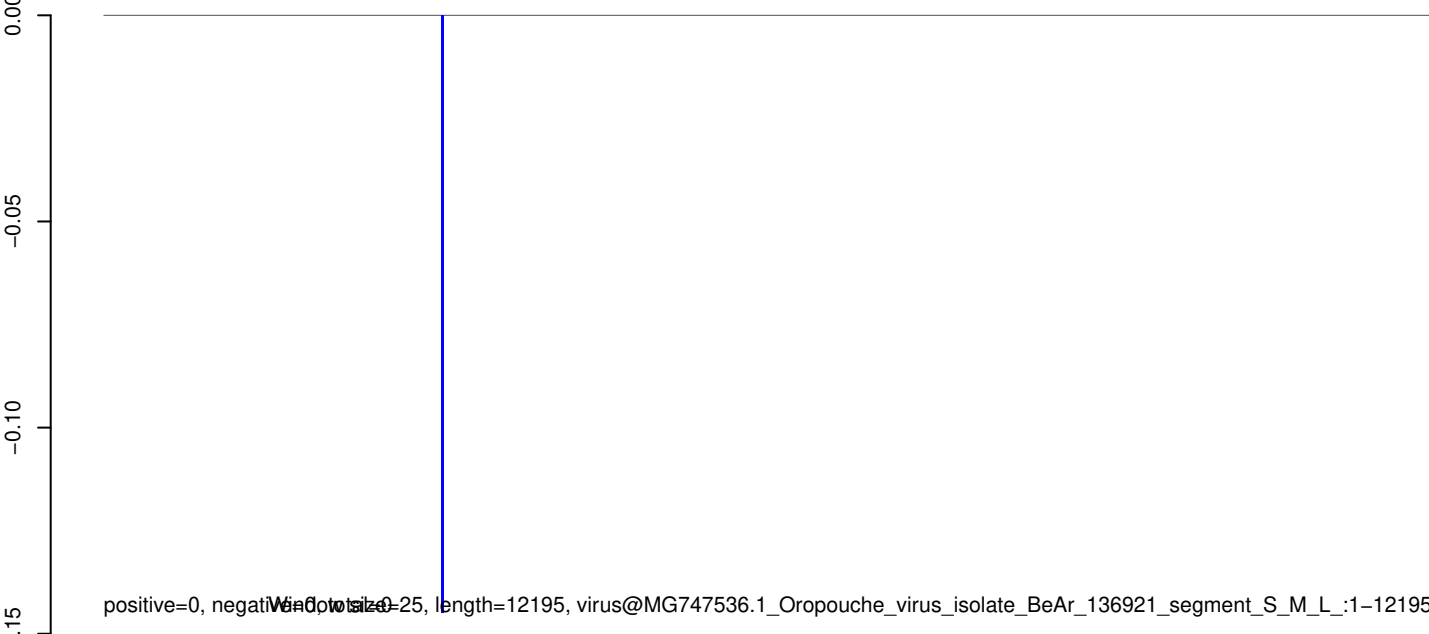
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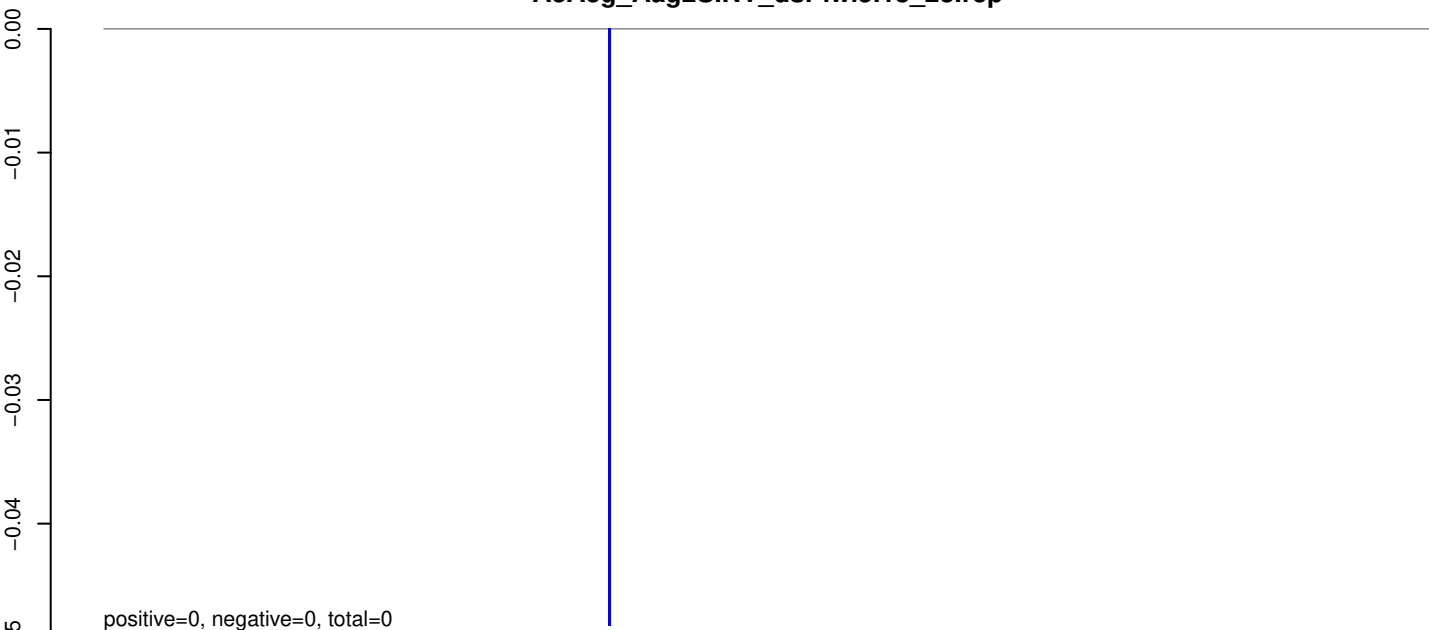
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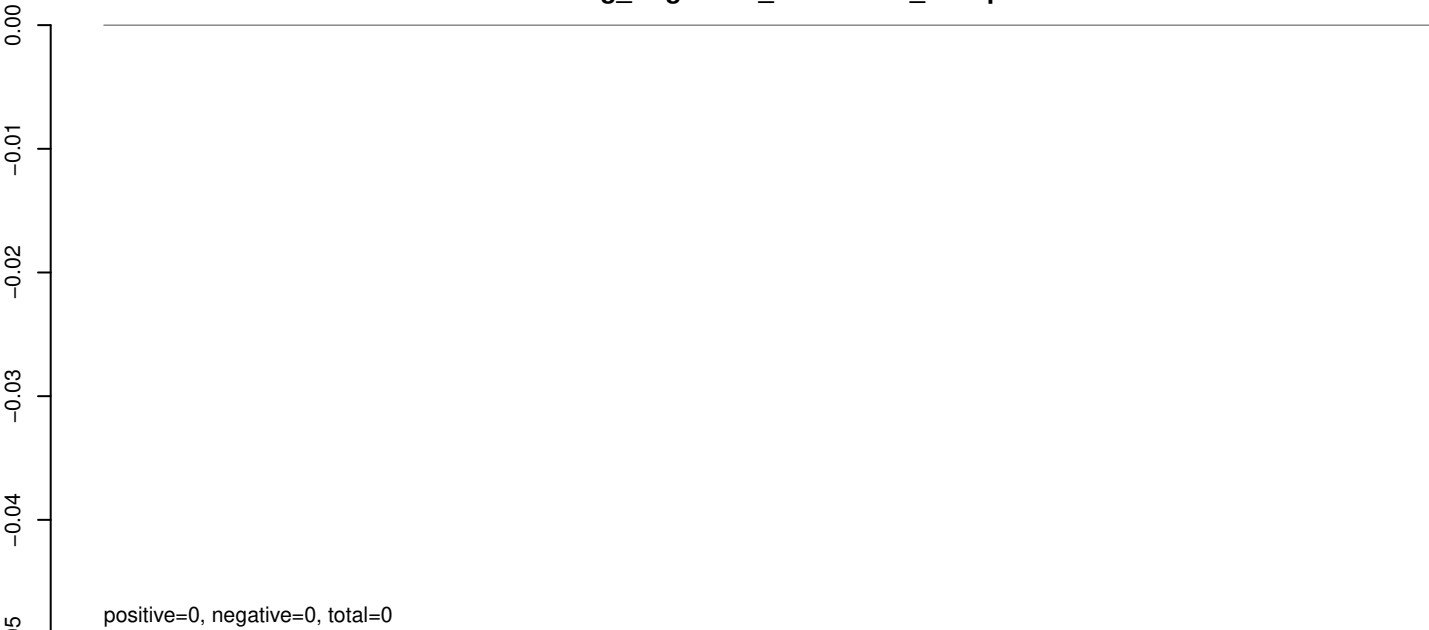
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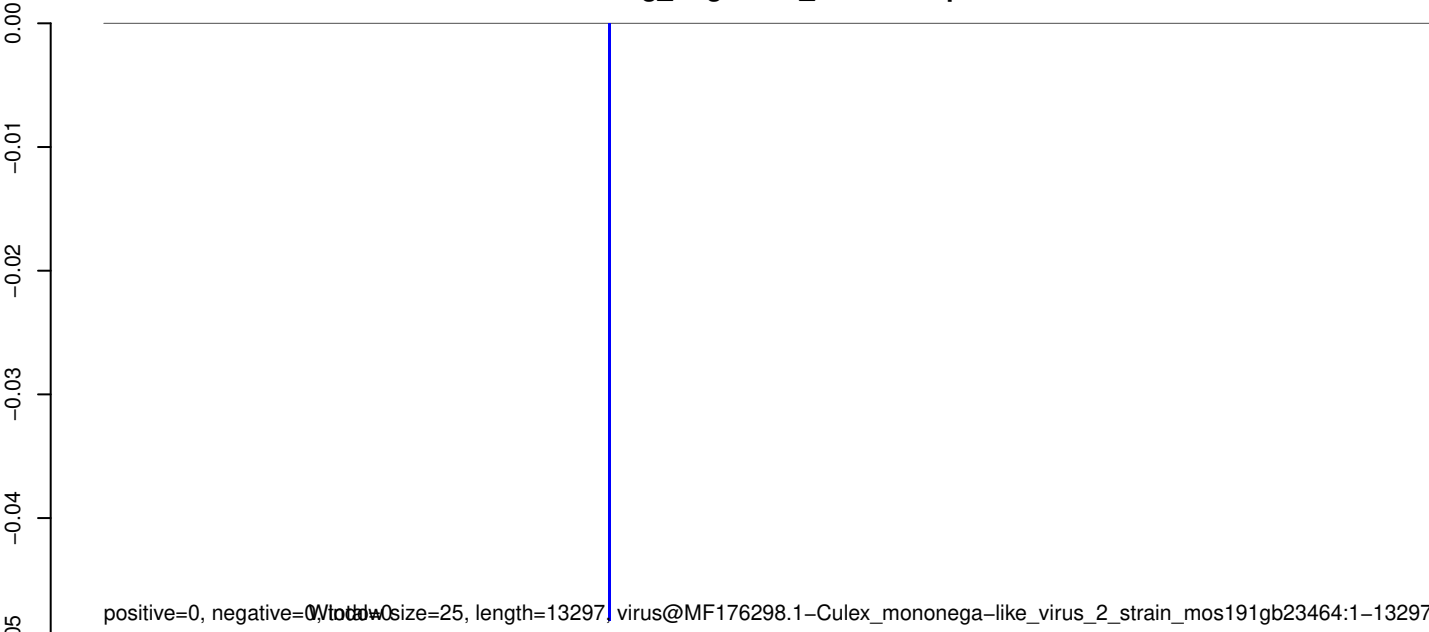
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



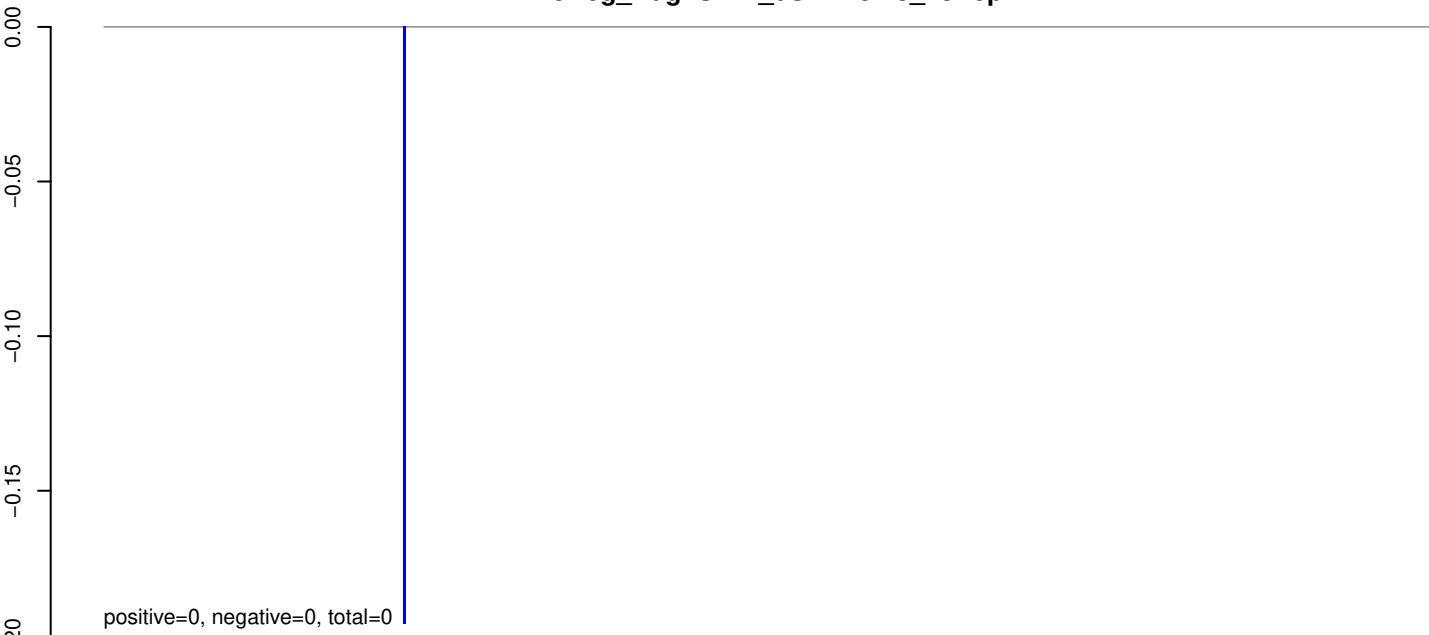
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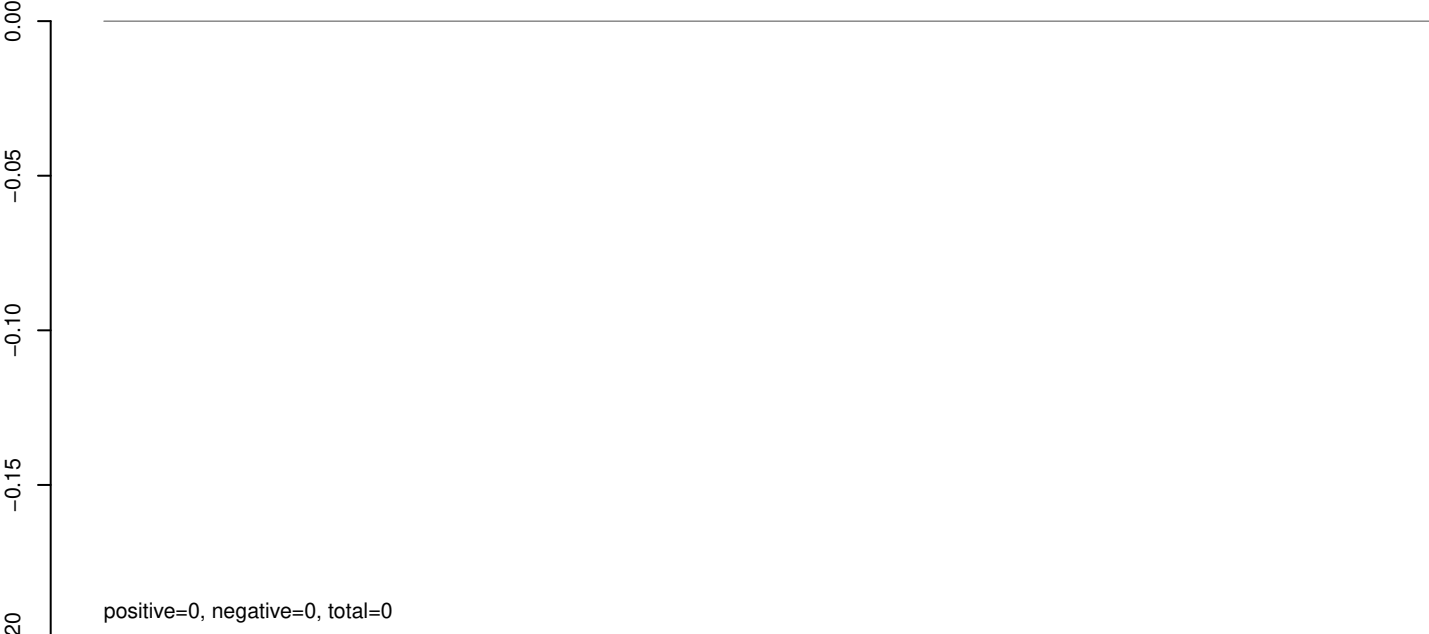
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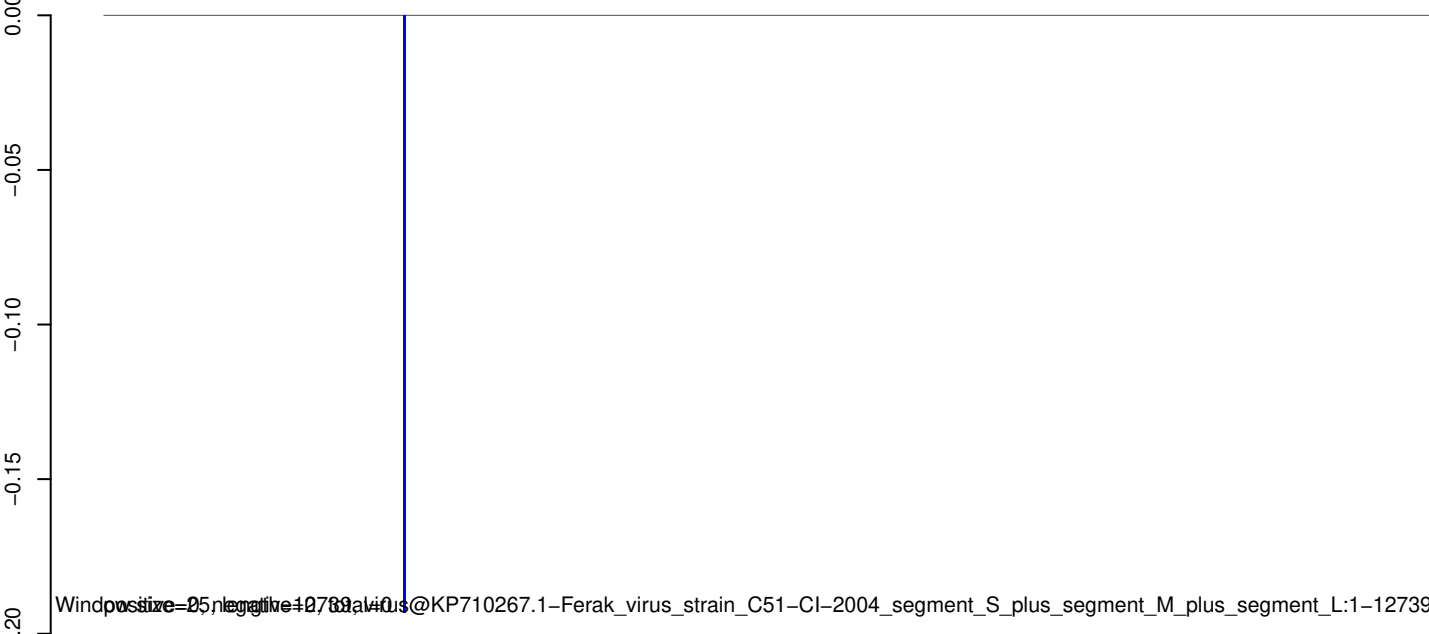
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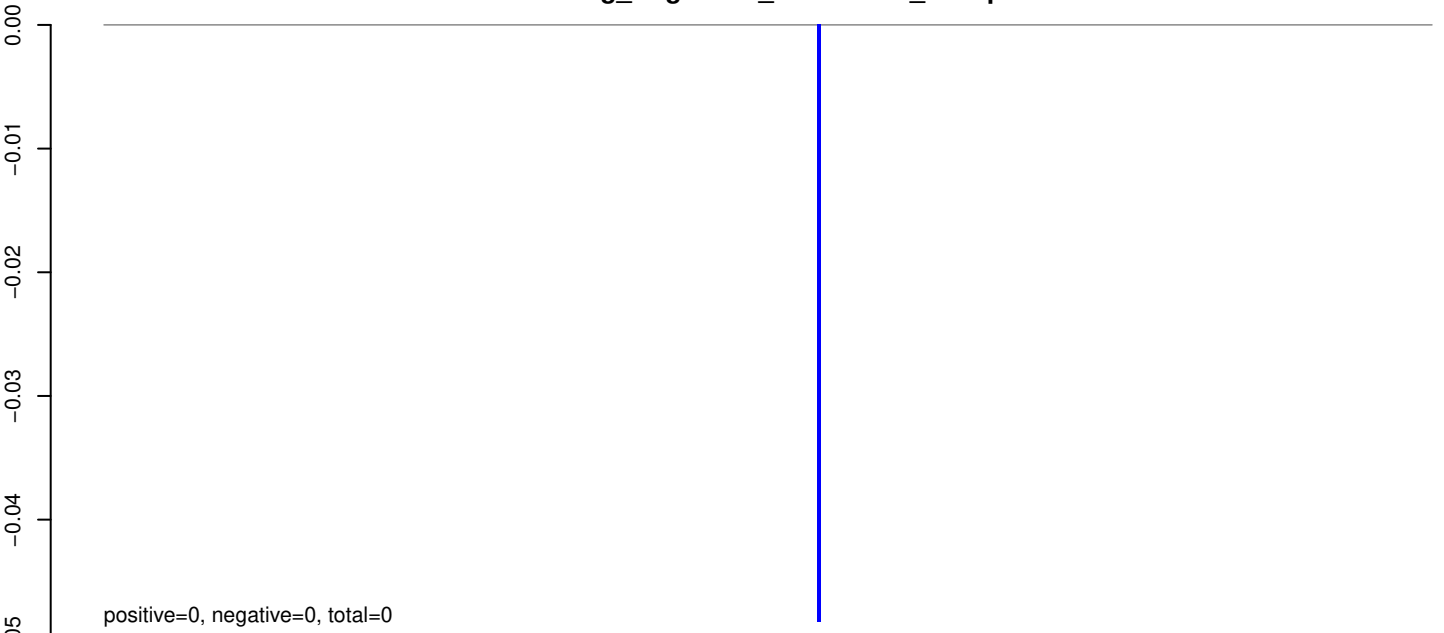
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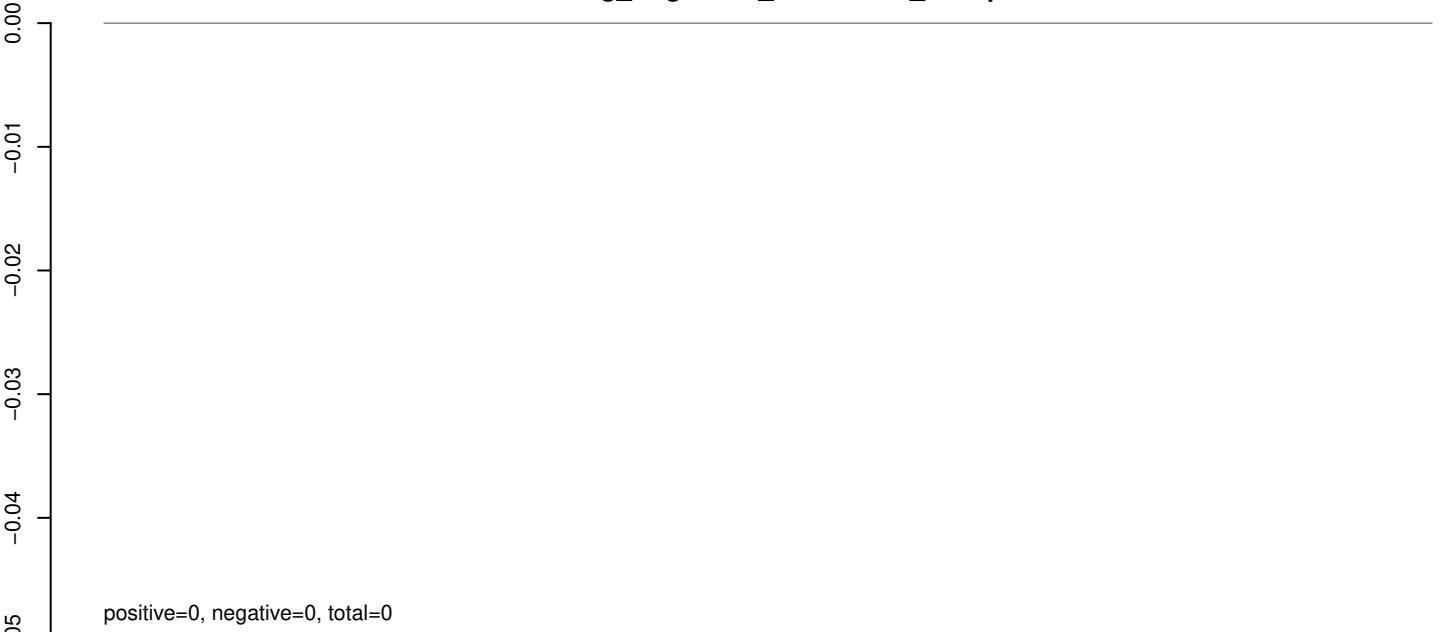
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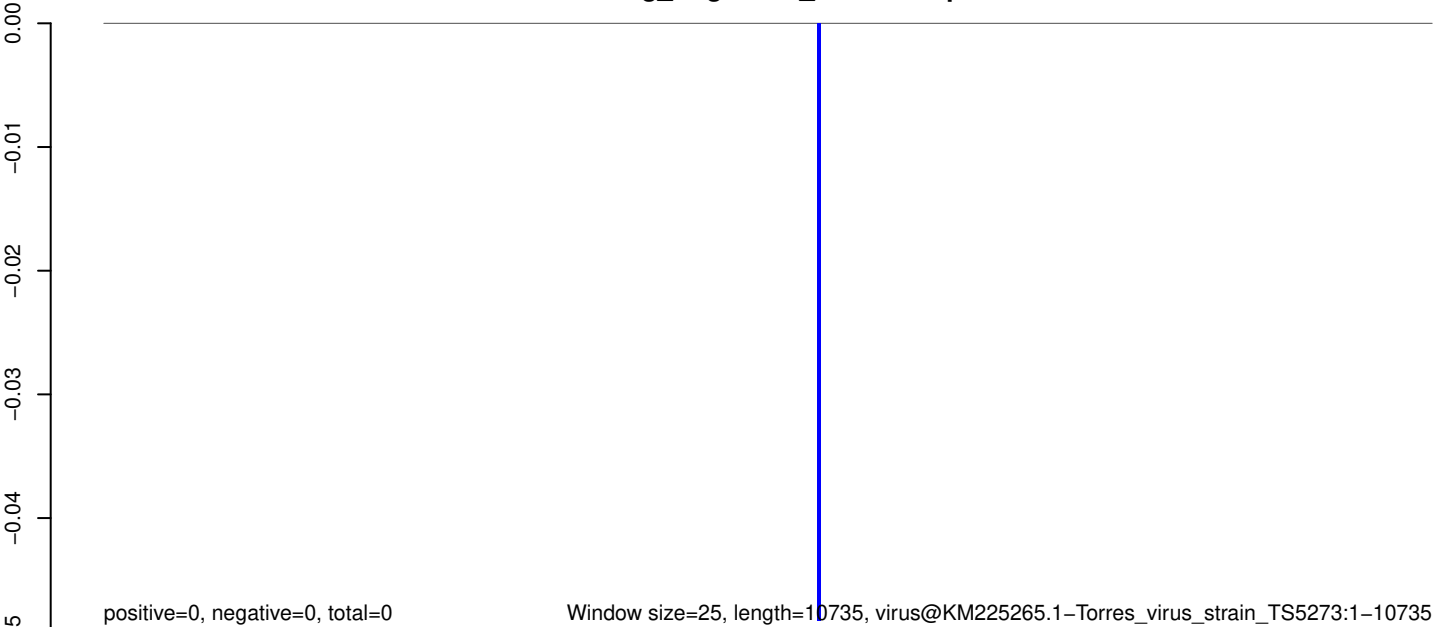
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**

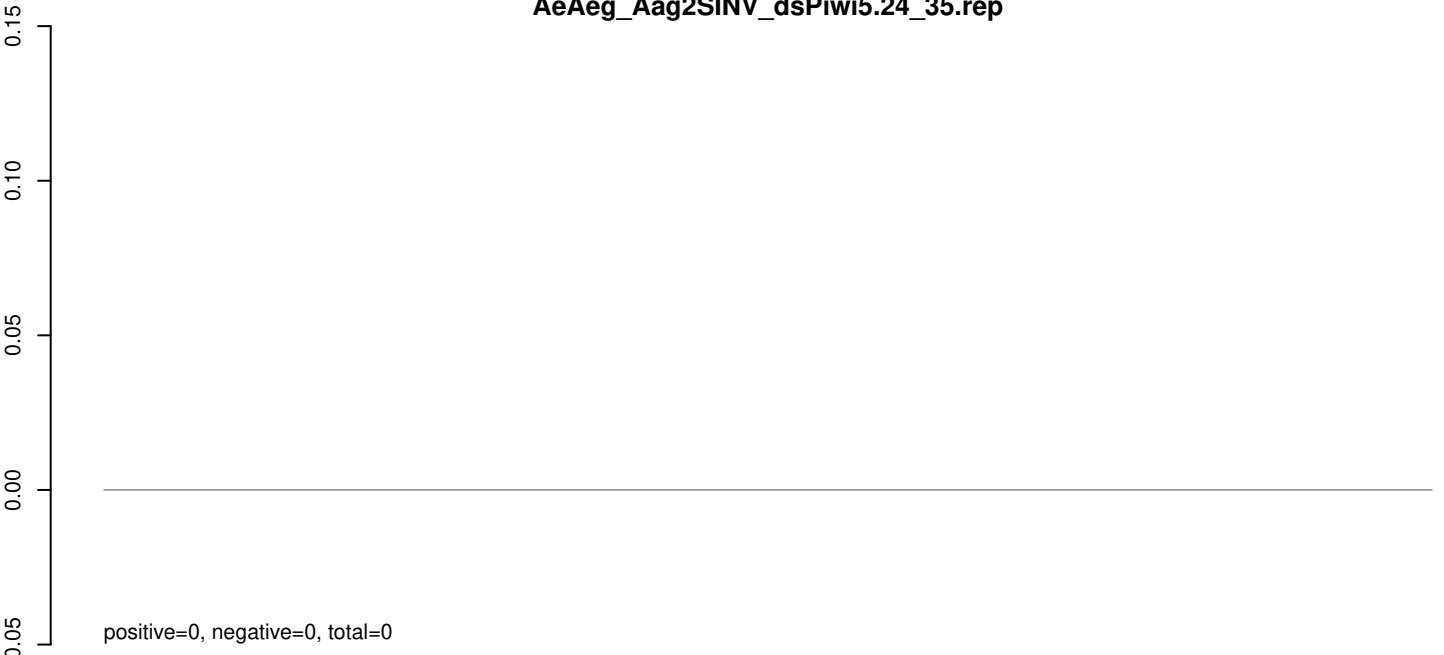


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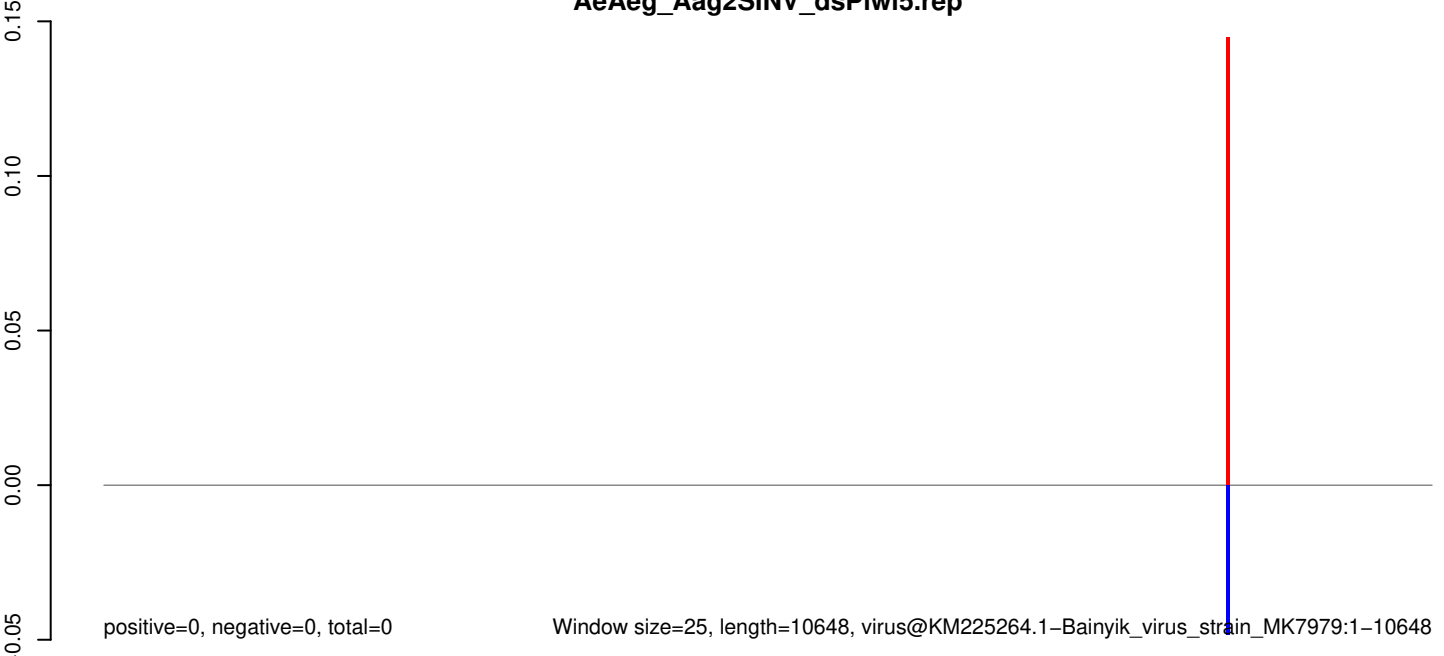
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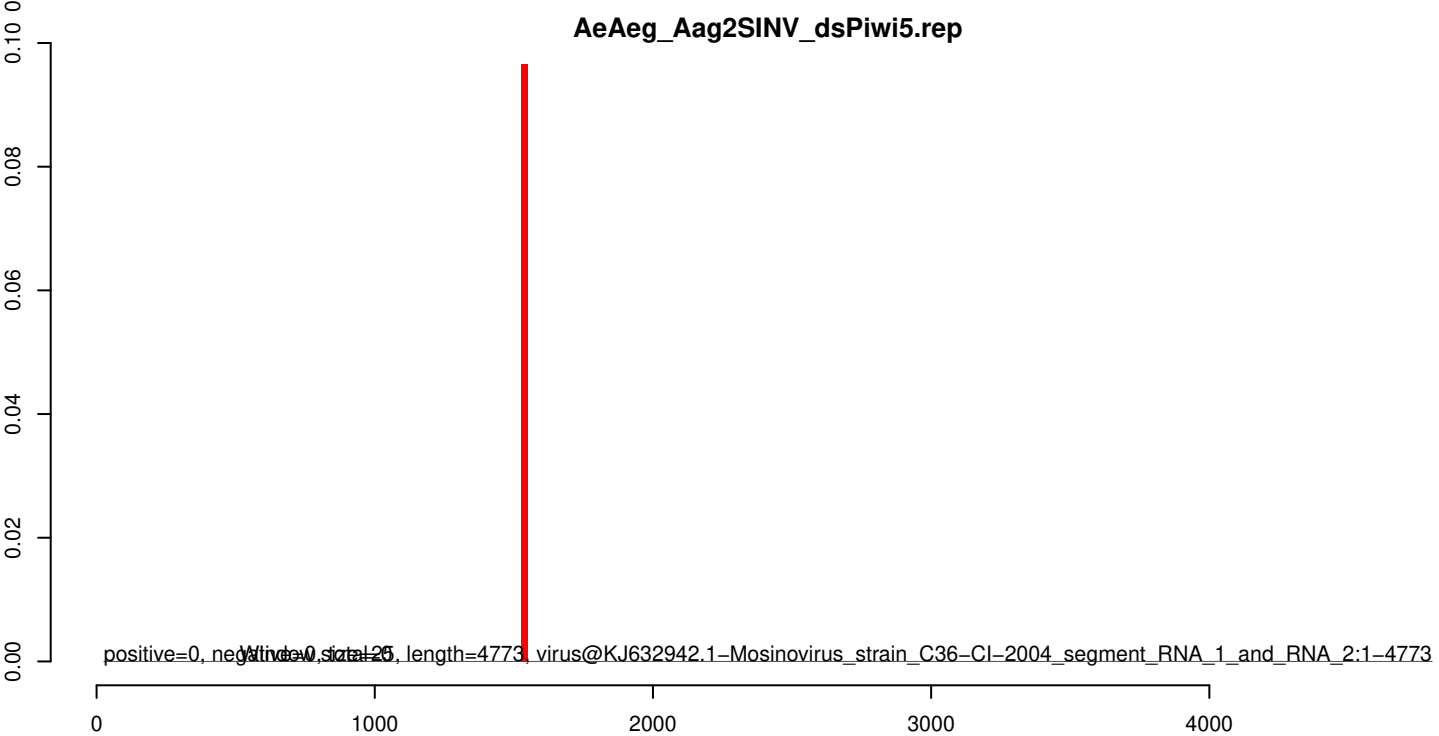
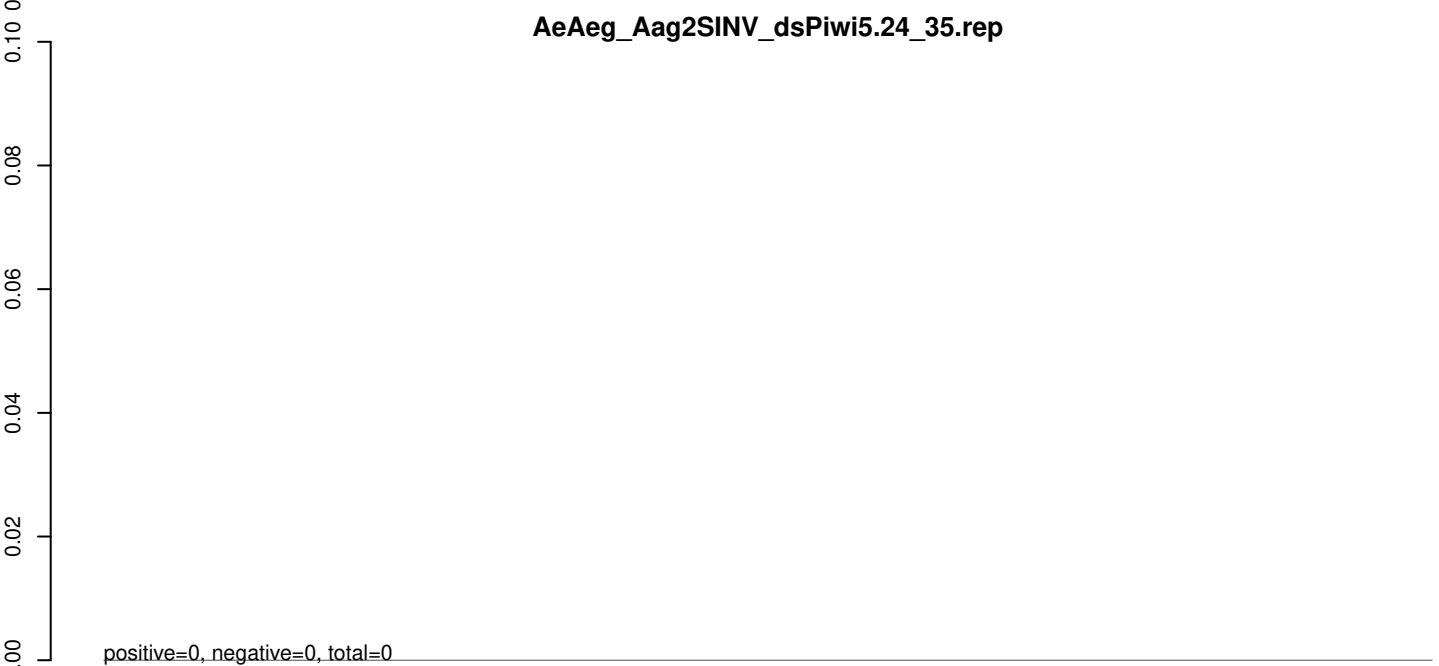
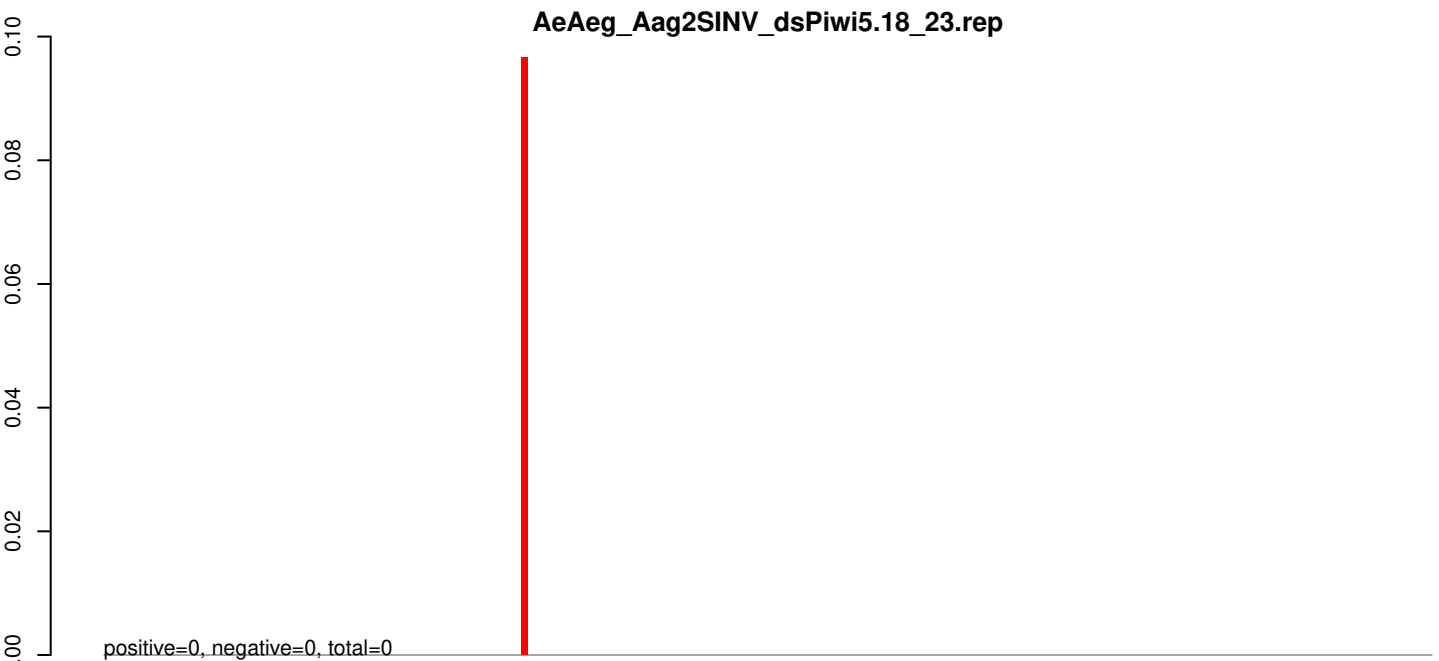


**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

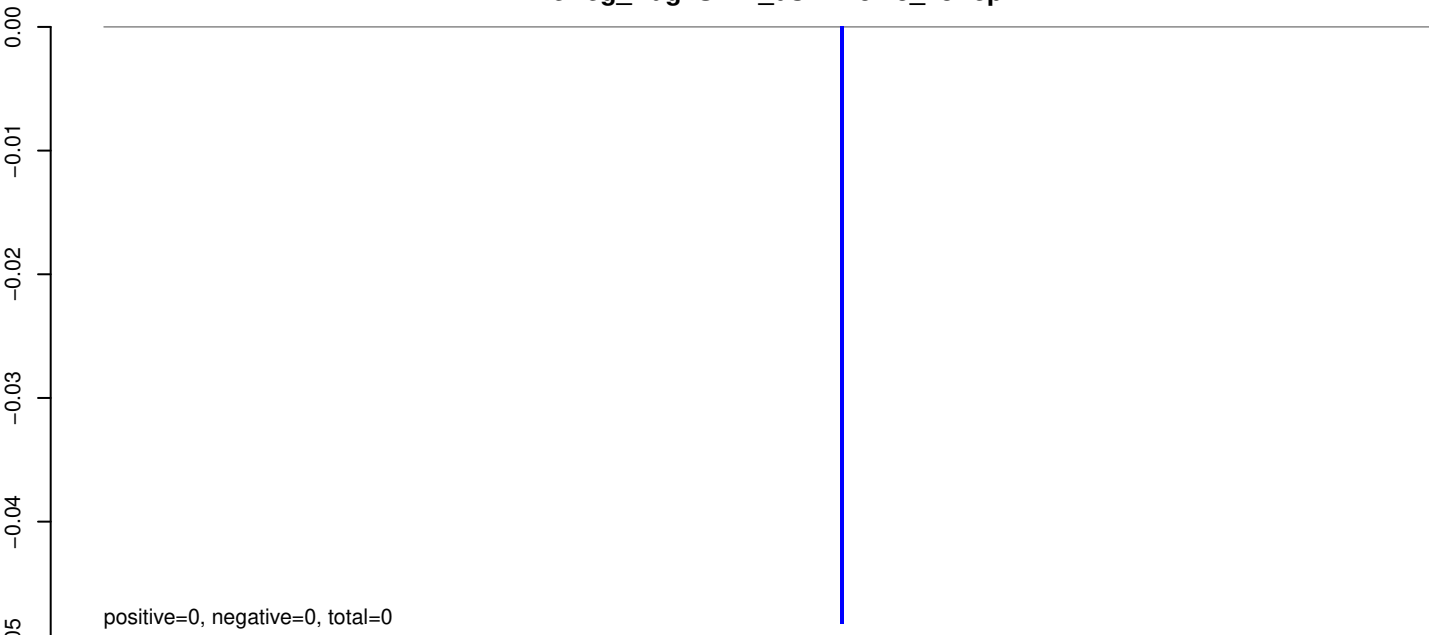


**AeAeg\_Aag2SINV\_dsPiwi5.rep**

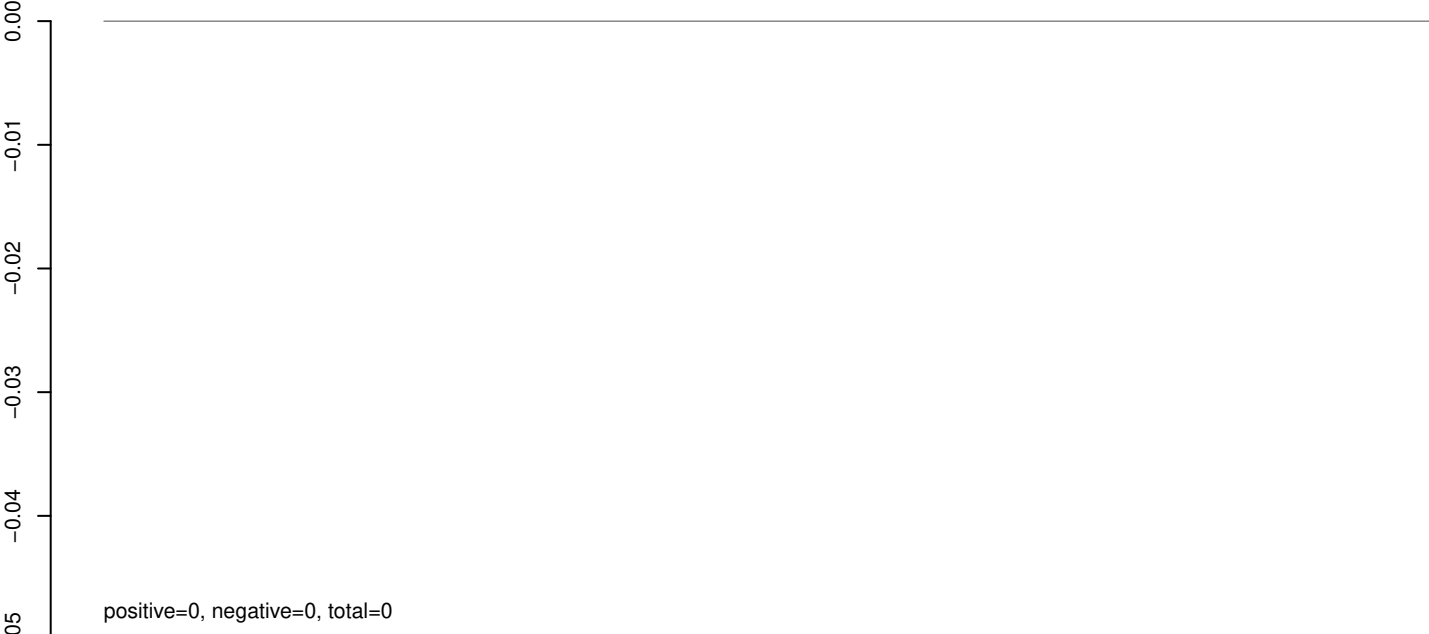




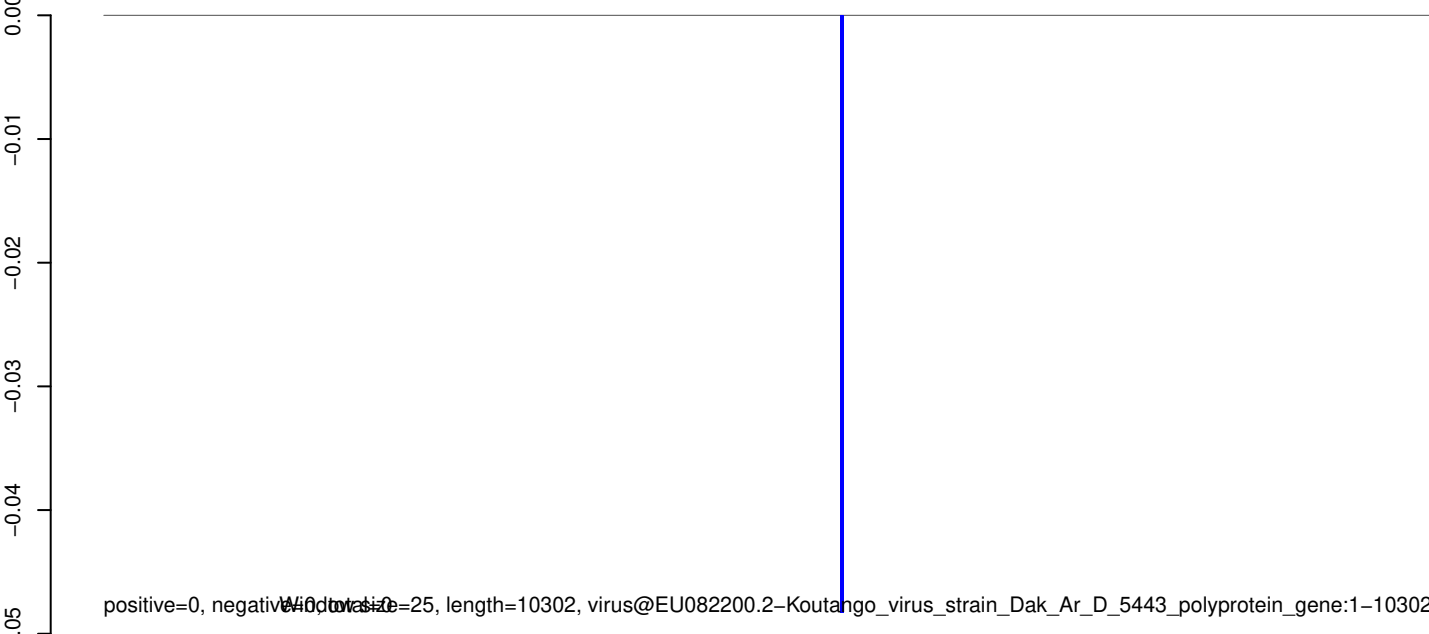
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**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

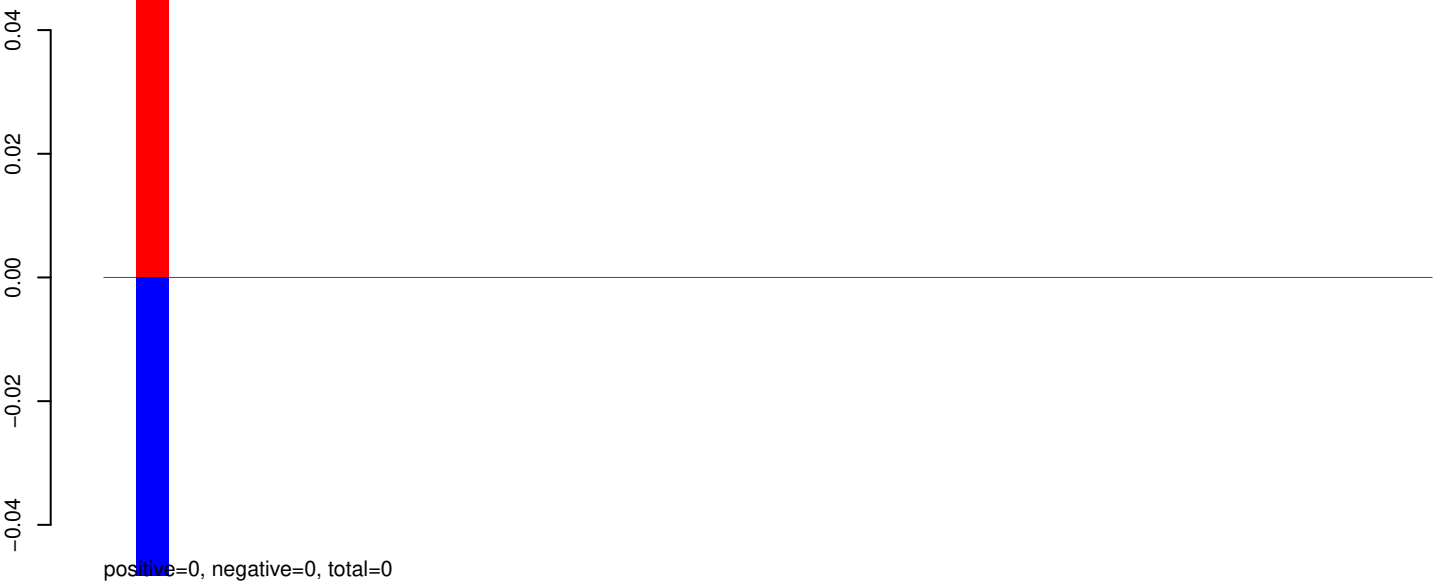


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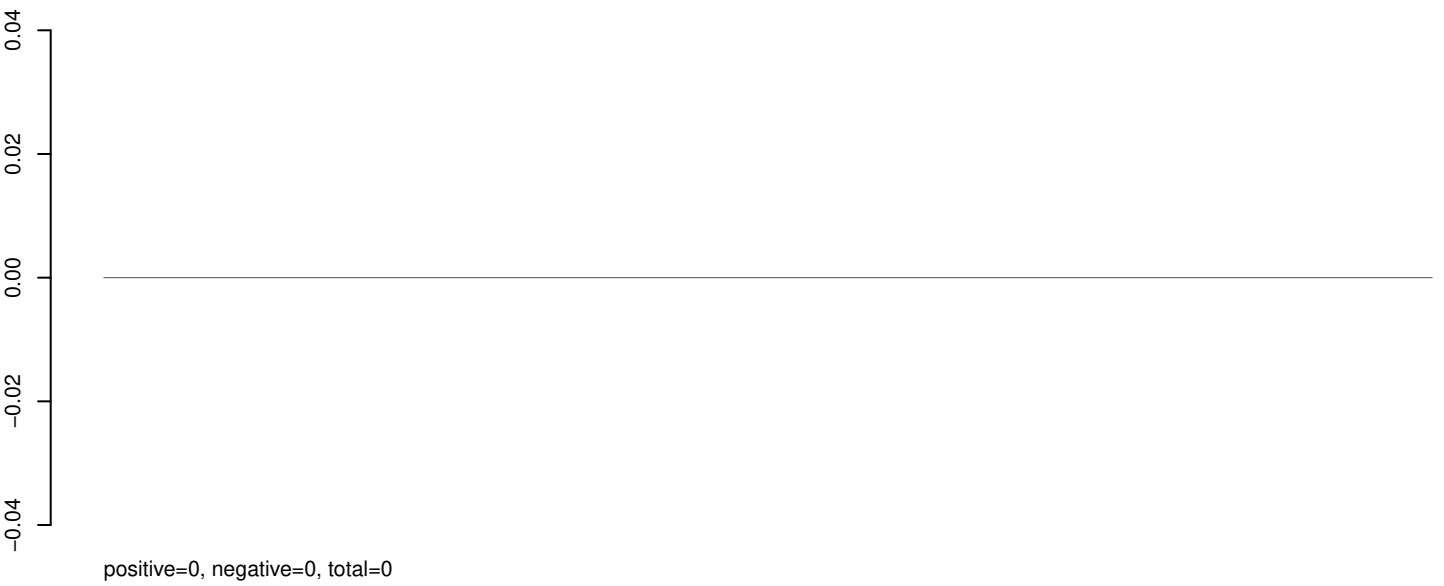


0 2000 4000 6000 8000 10000

**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**

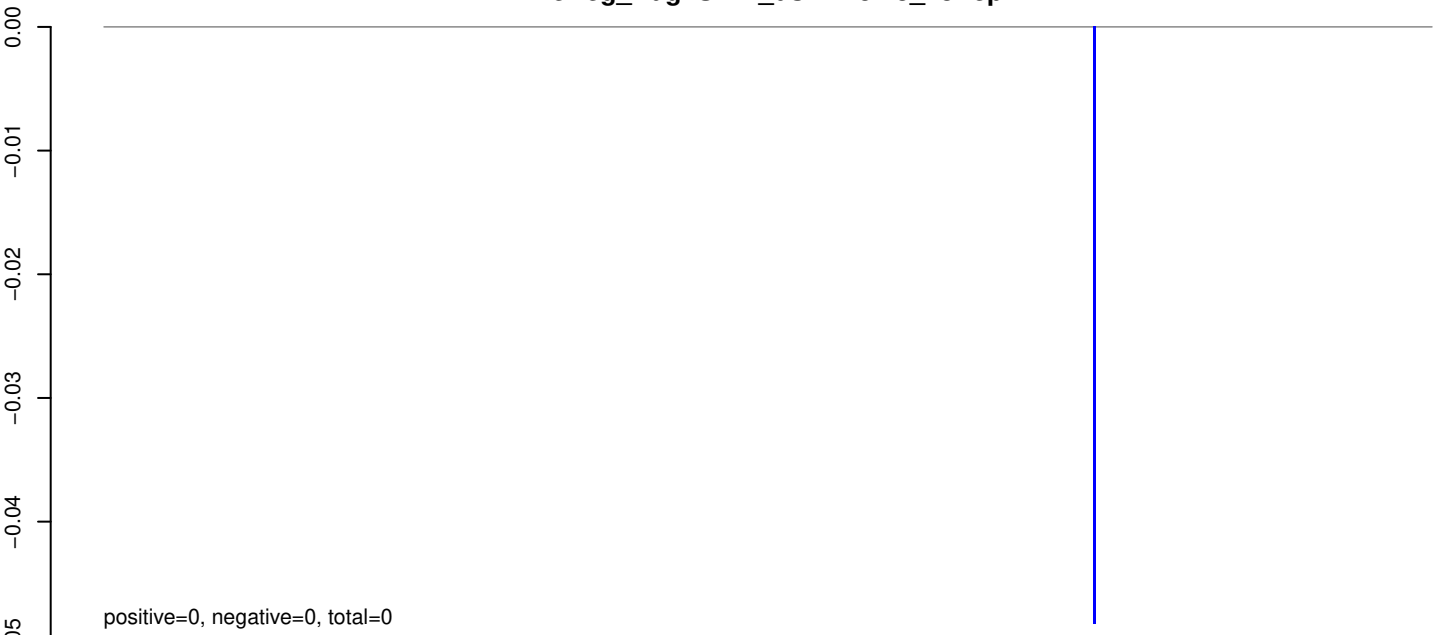


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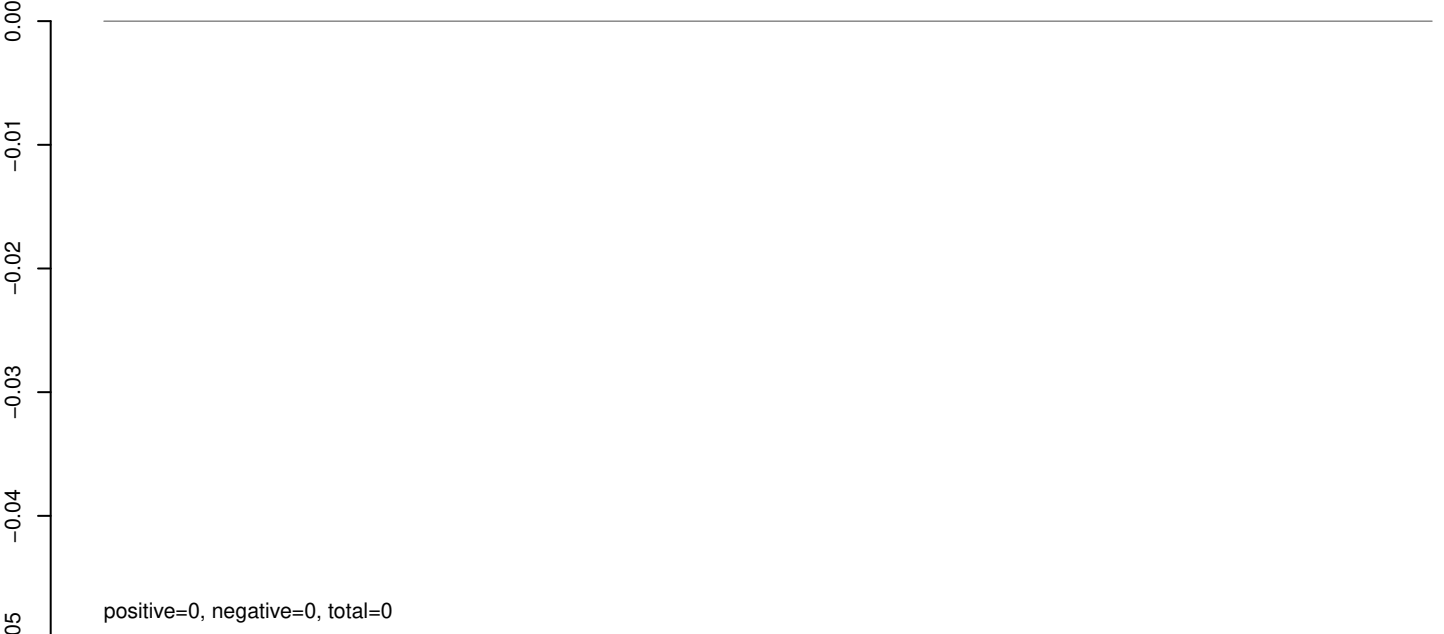




**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



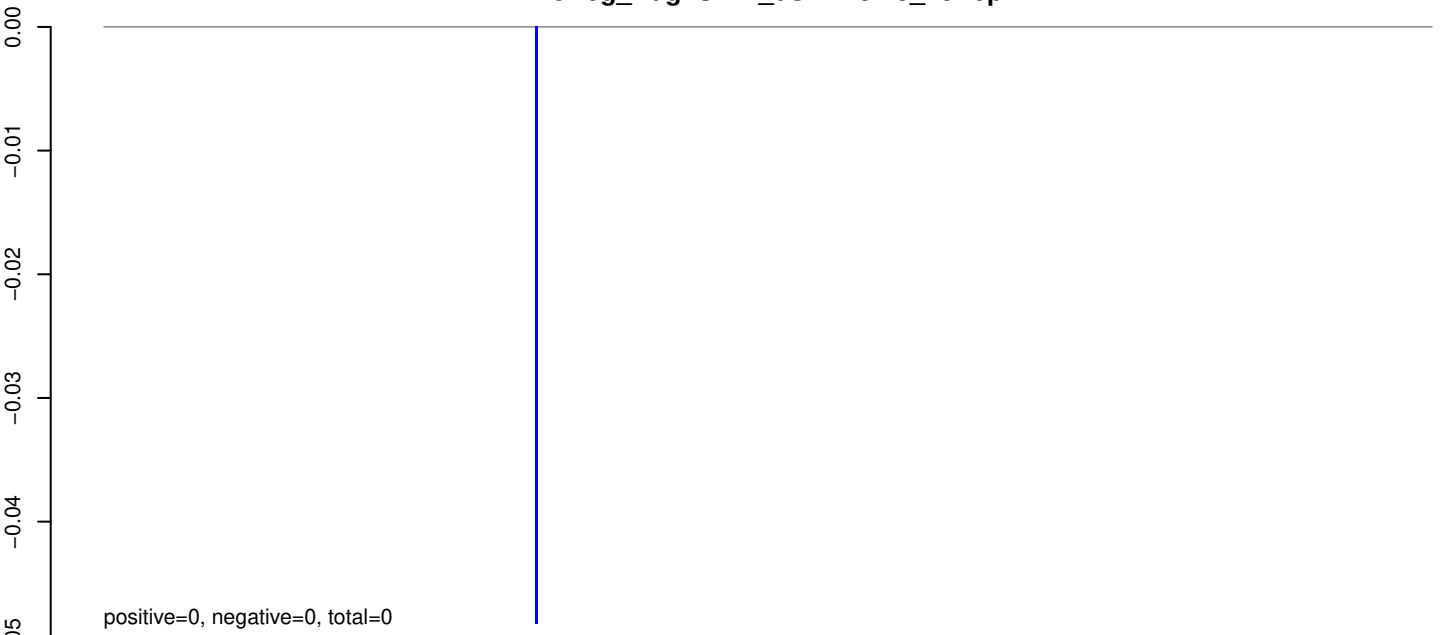
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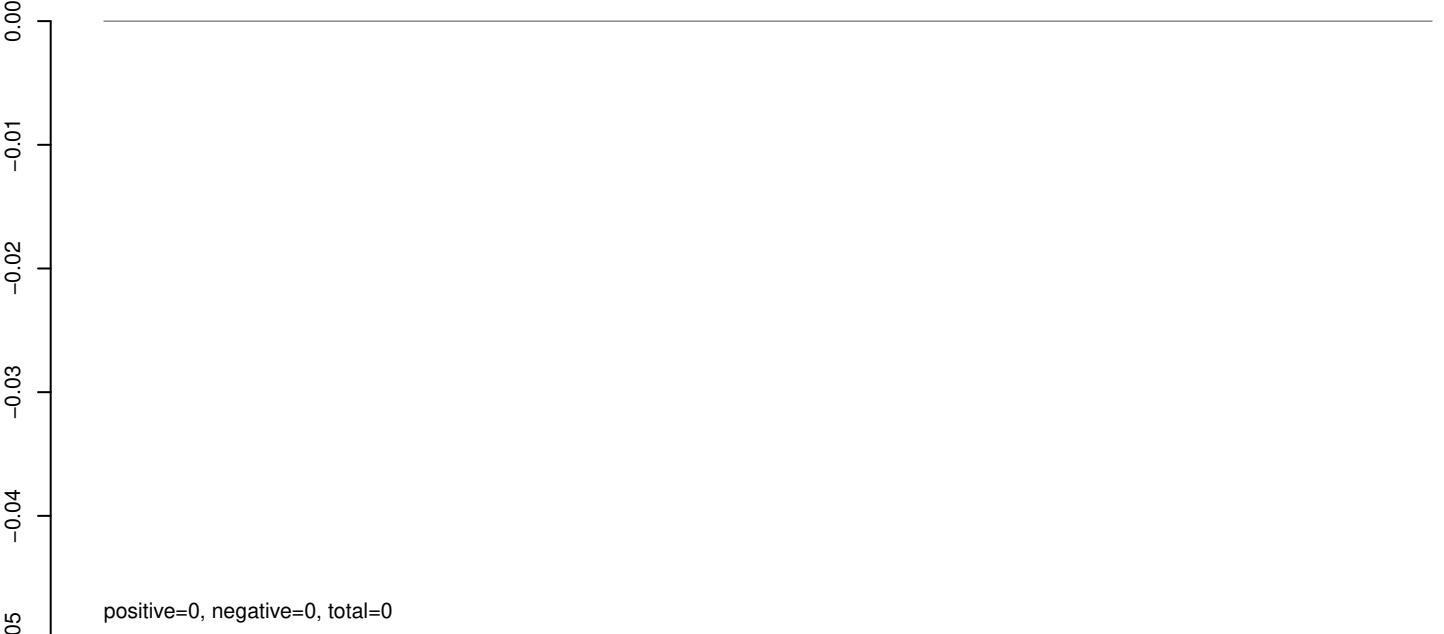
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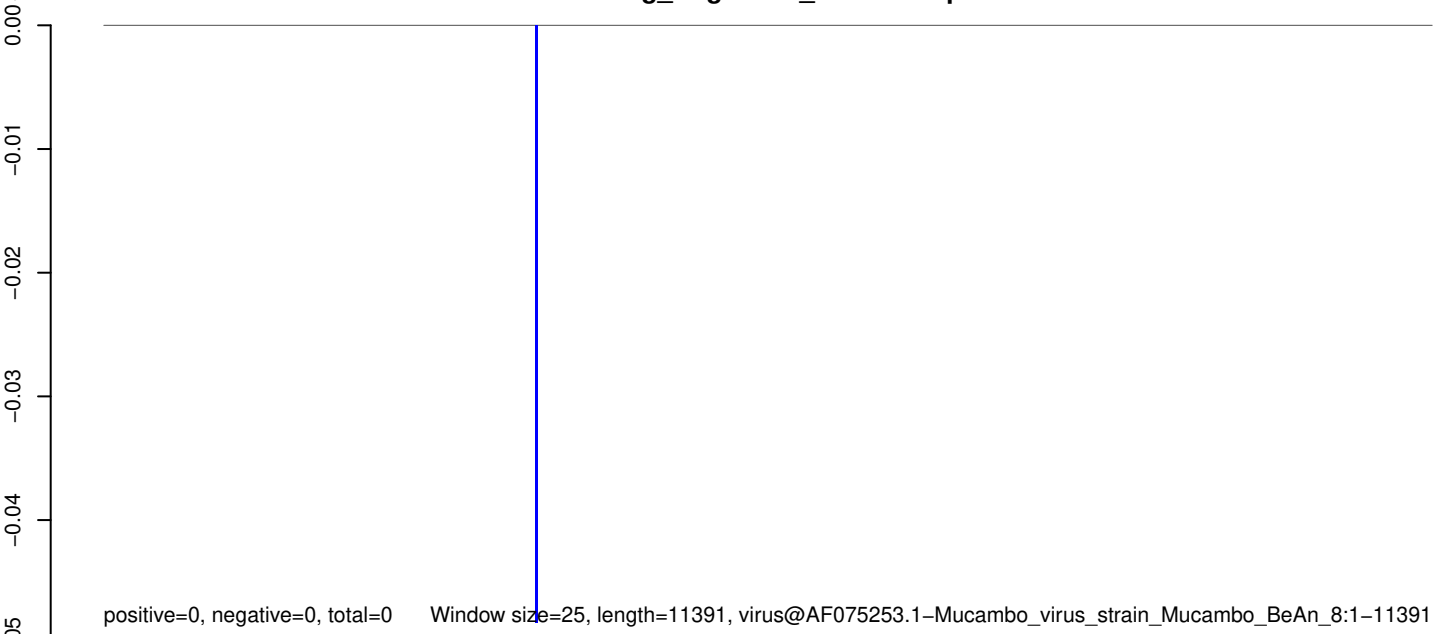
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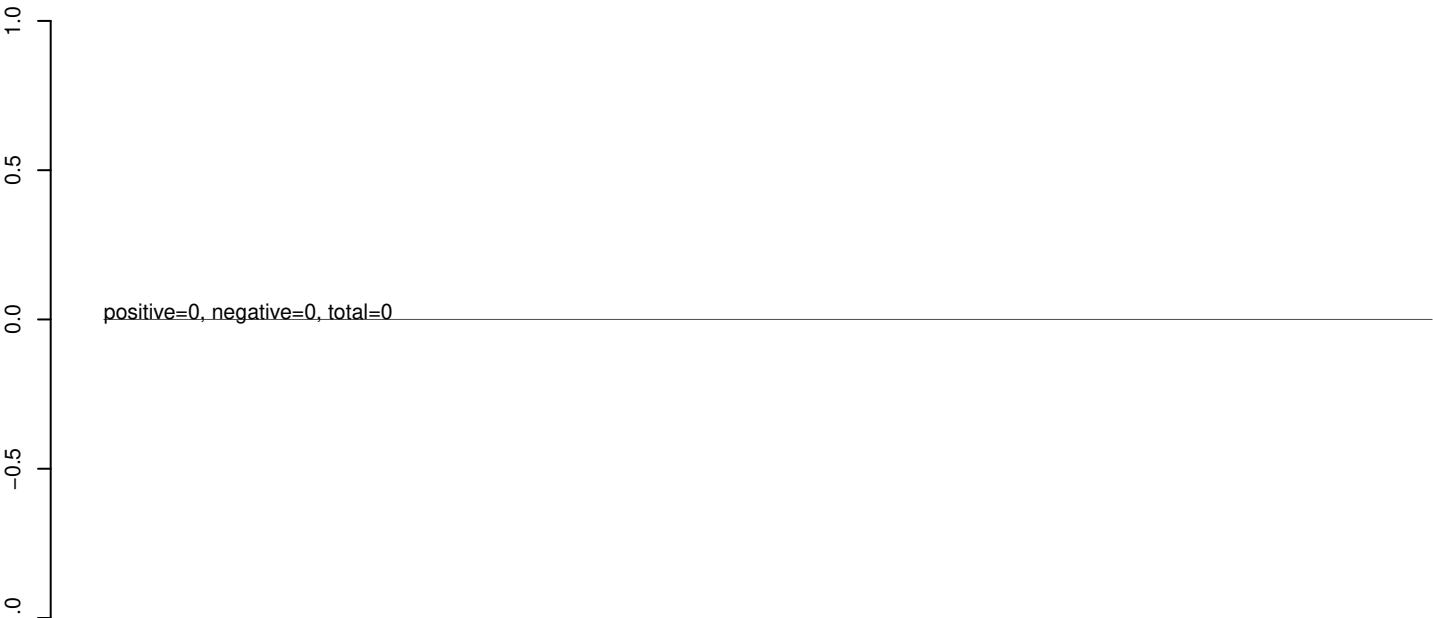
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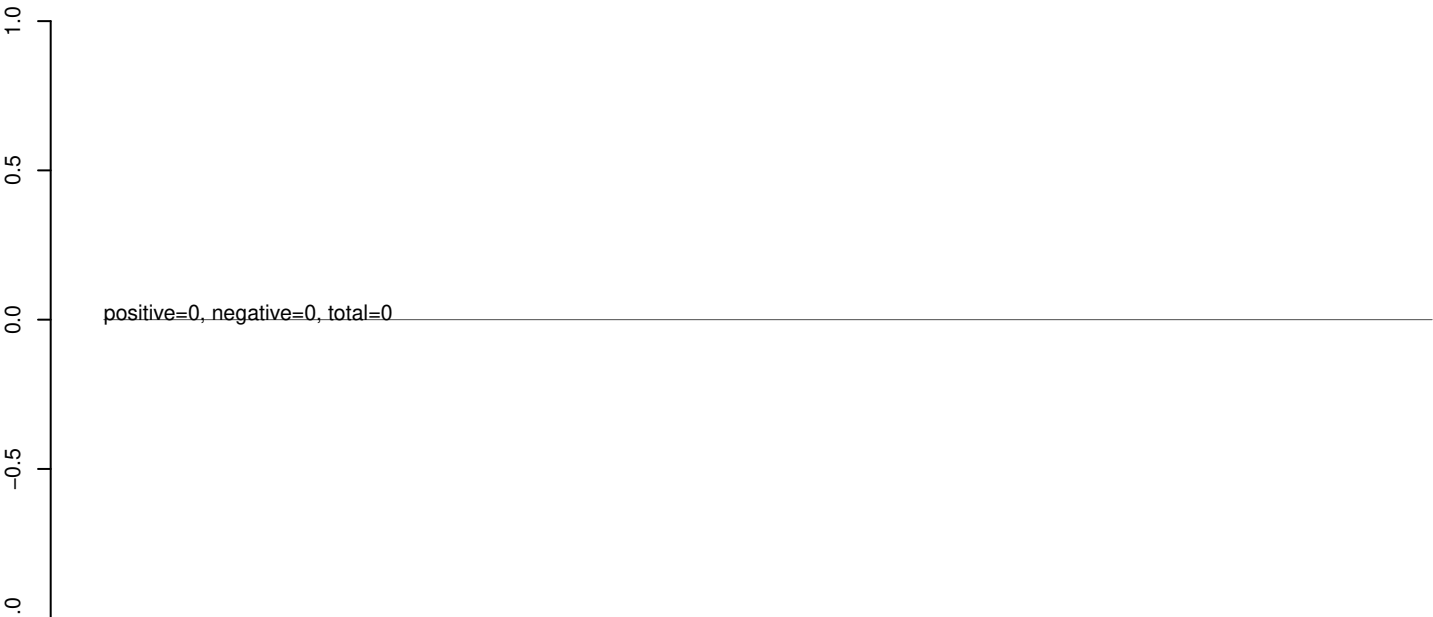
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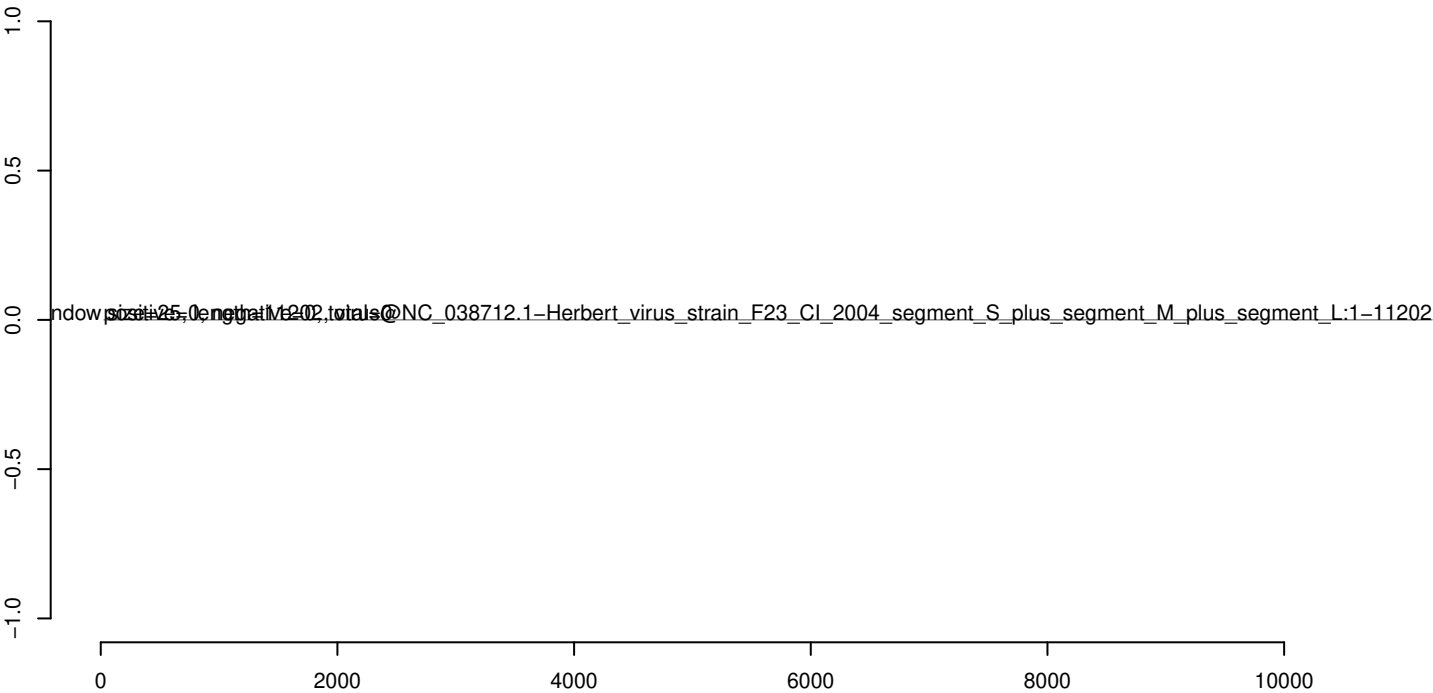
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**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



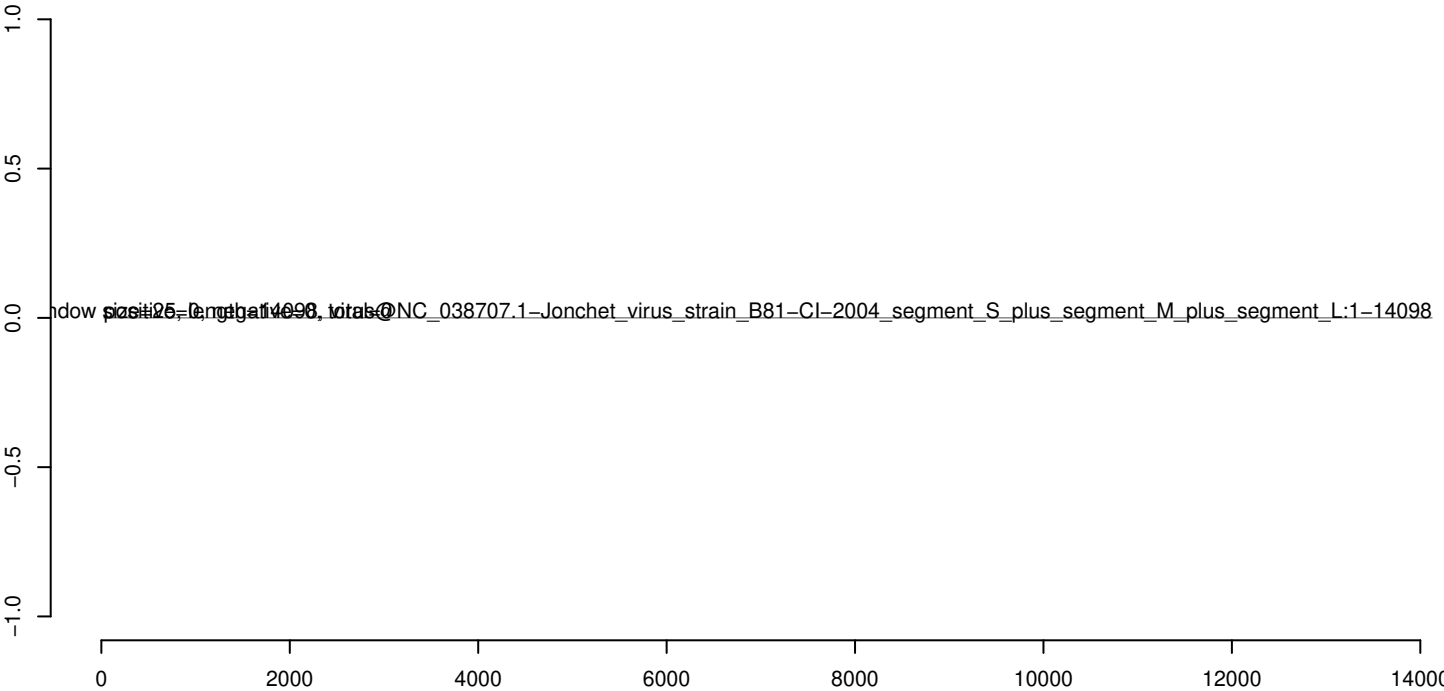
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**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



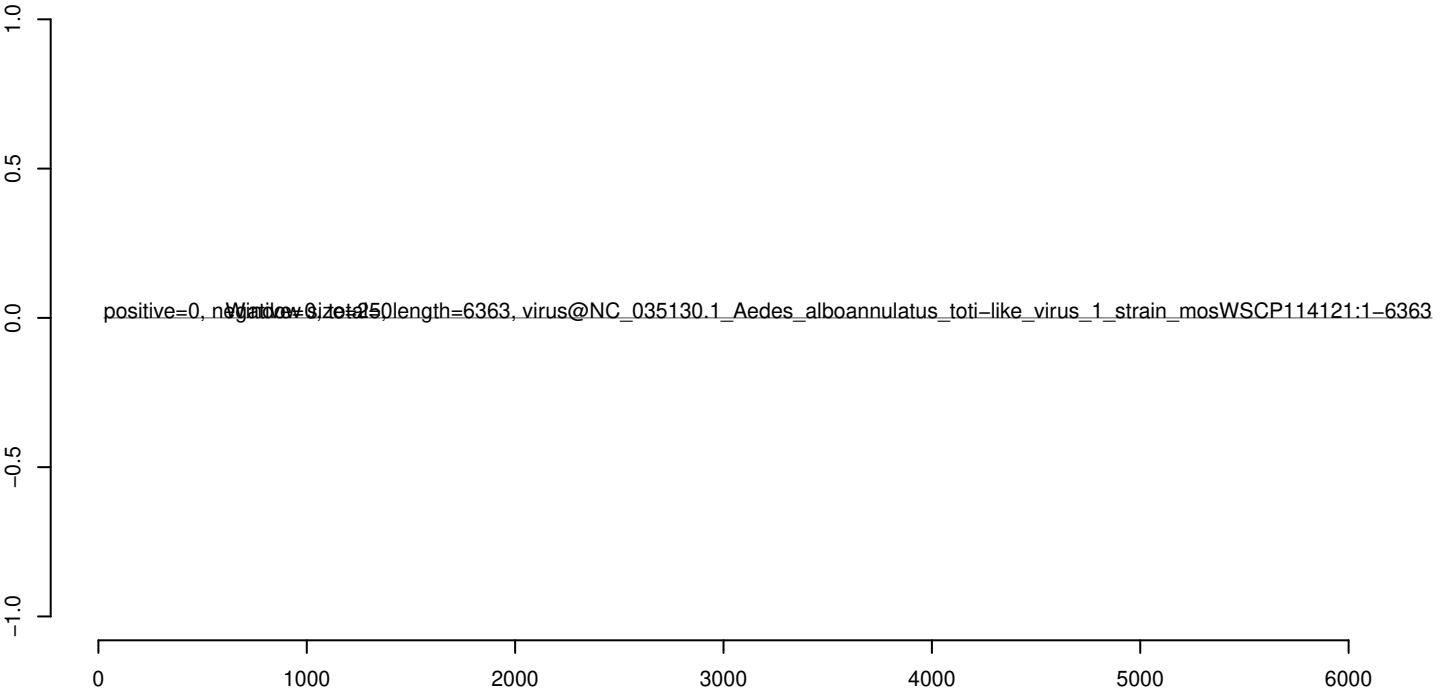
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**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



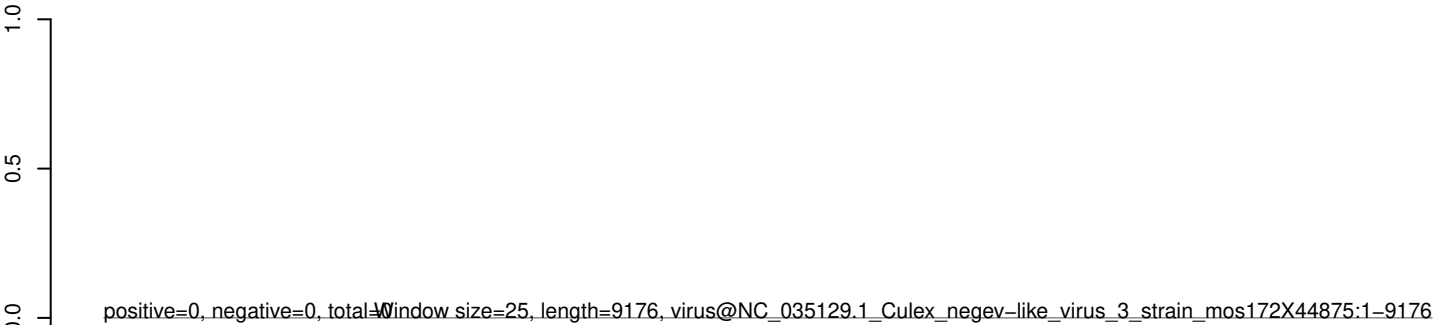
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**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



0 2000 4000 6000 8000

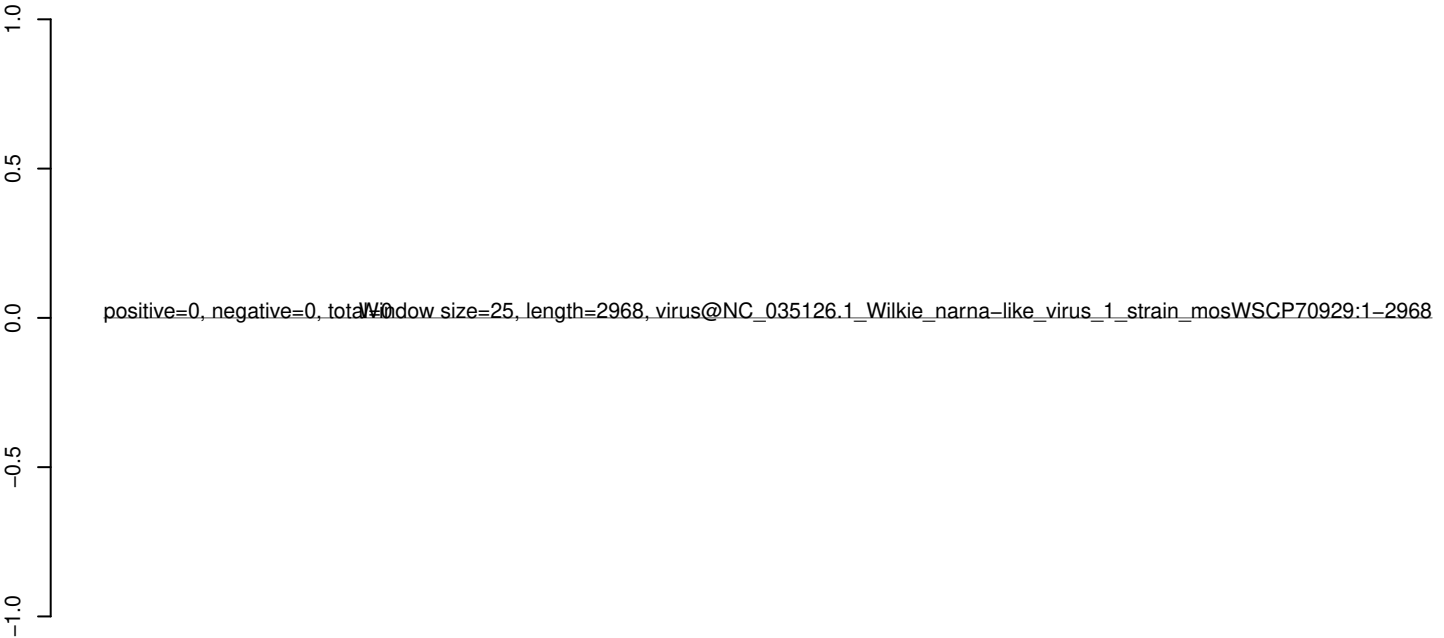
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**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



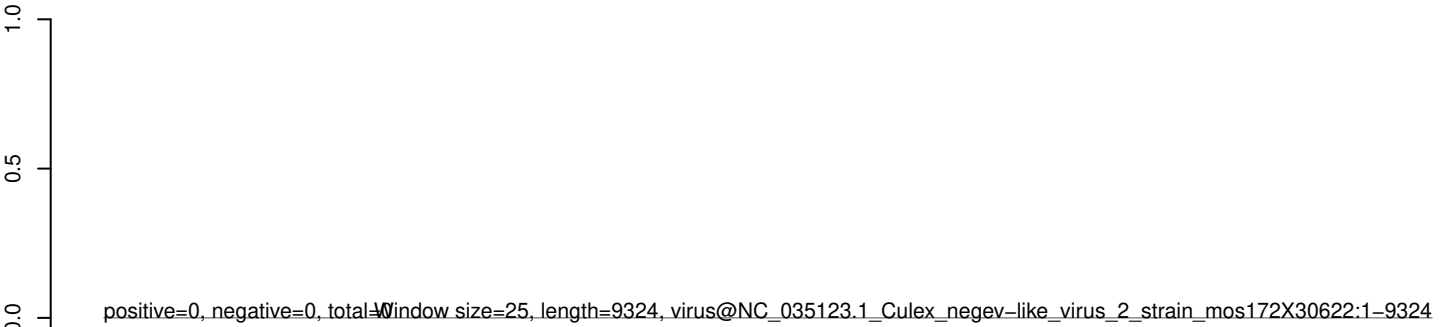
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**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



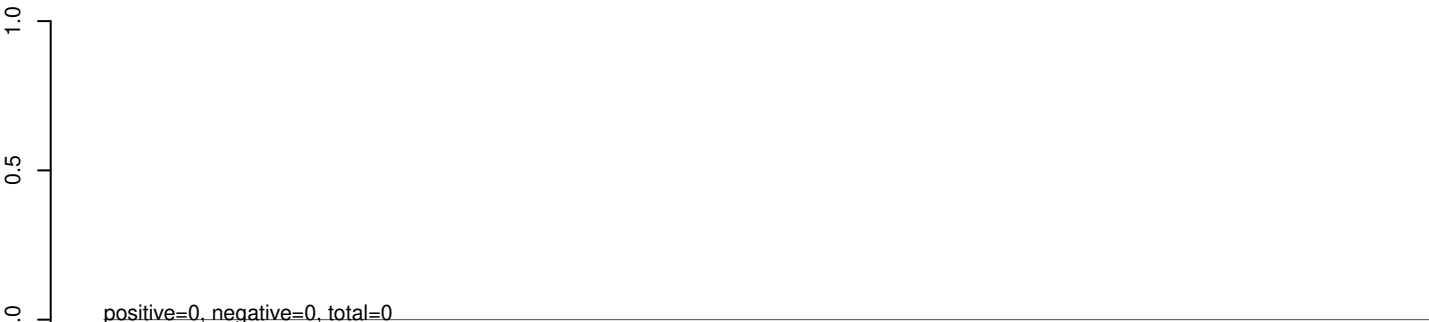
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**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



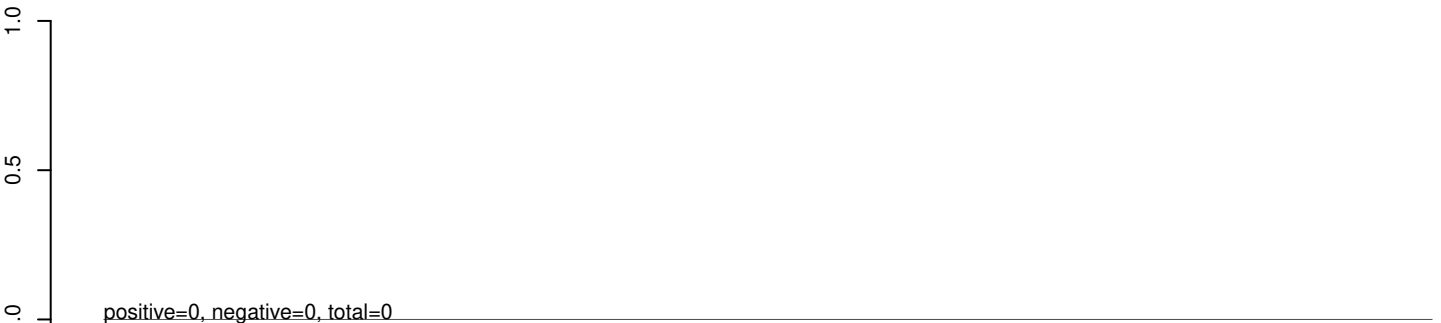
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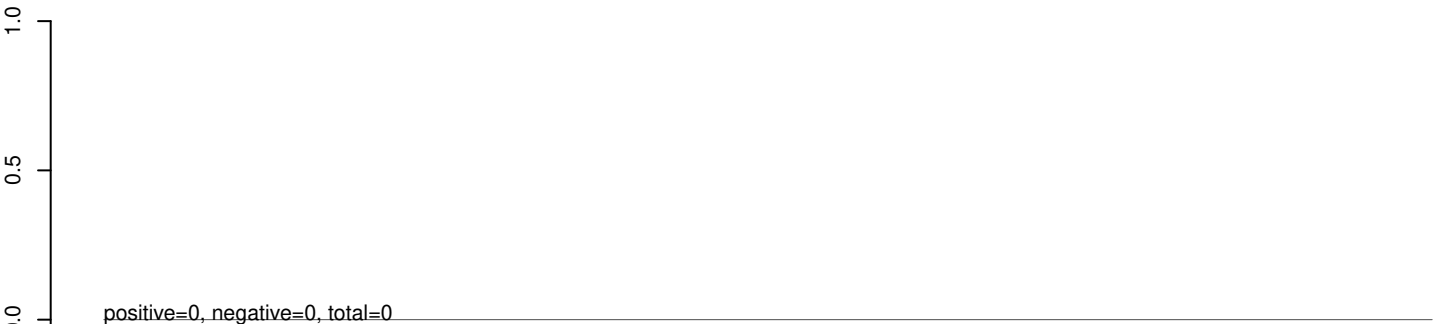
**AeAeg\_Aag2SINV\_dsPiwi5.rep**



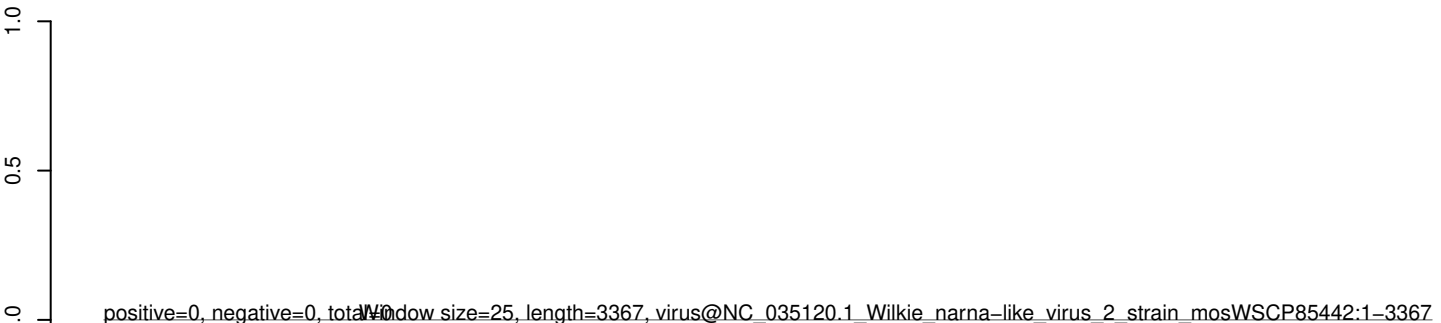
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



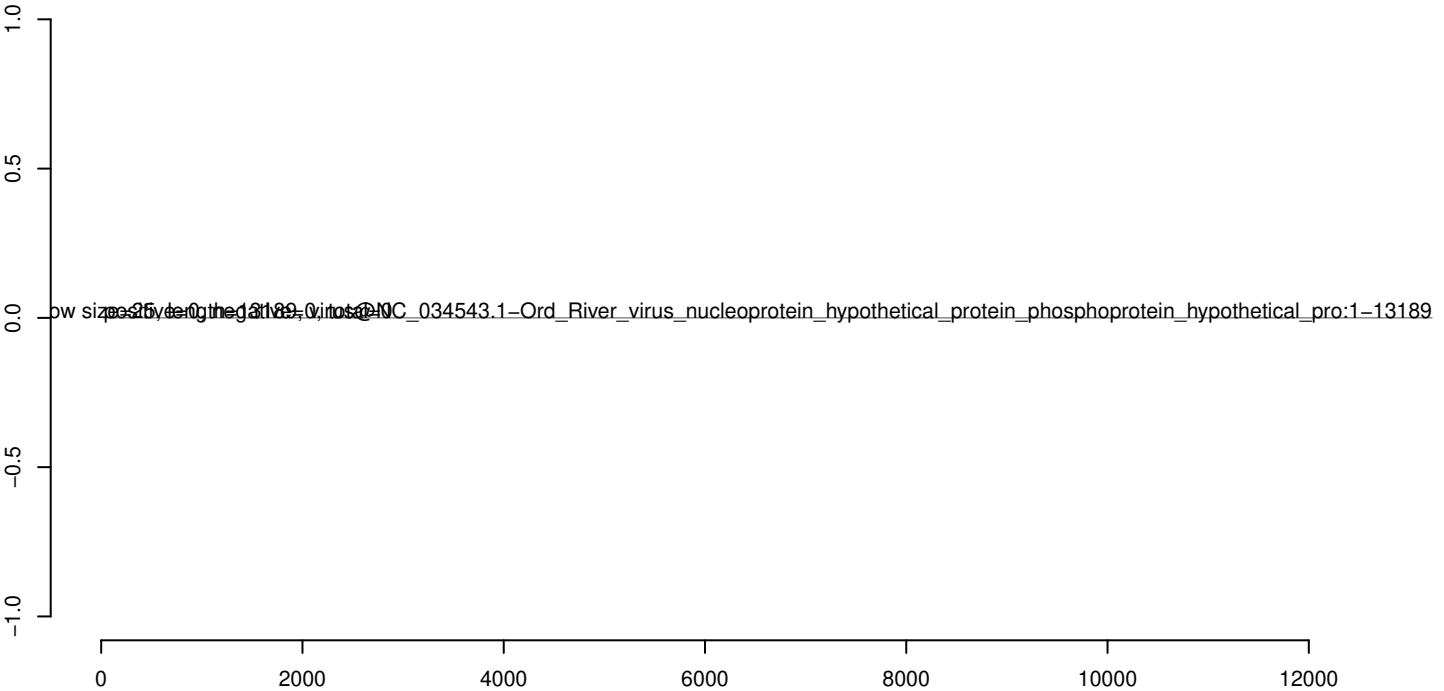
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**





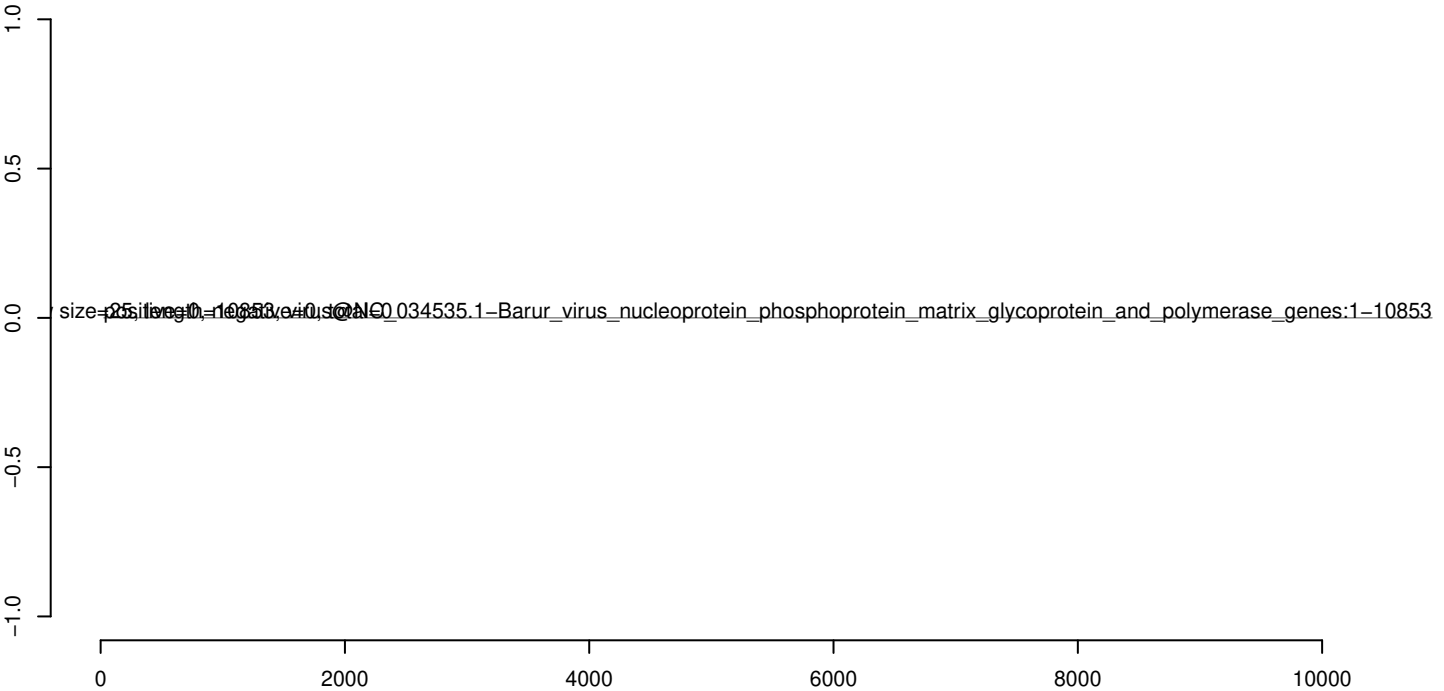
**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.24\_35.rep**



**AeAeg\_Aag2SINV\_dsPiwi5.rep**



0 2000 4000 6000 8000 10000 12000 14000

**AeAeg\_Aag2SINV\_dsPiwi5.18\_23.rep**



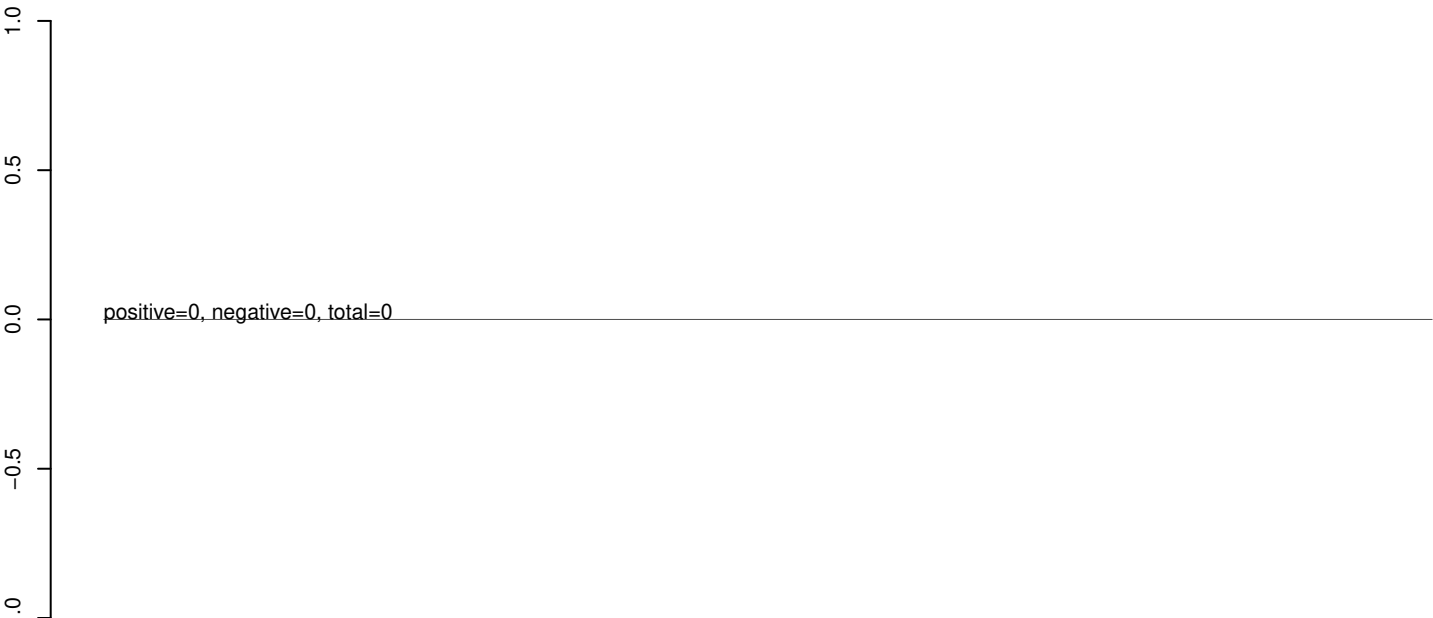
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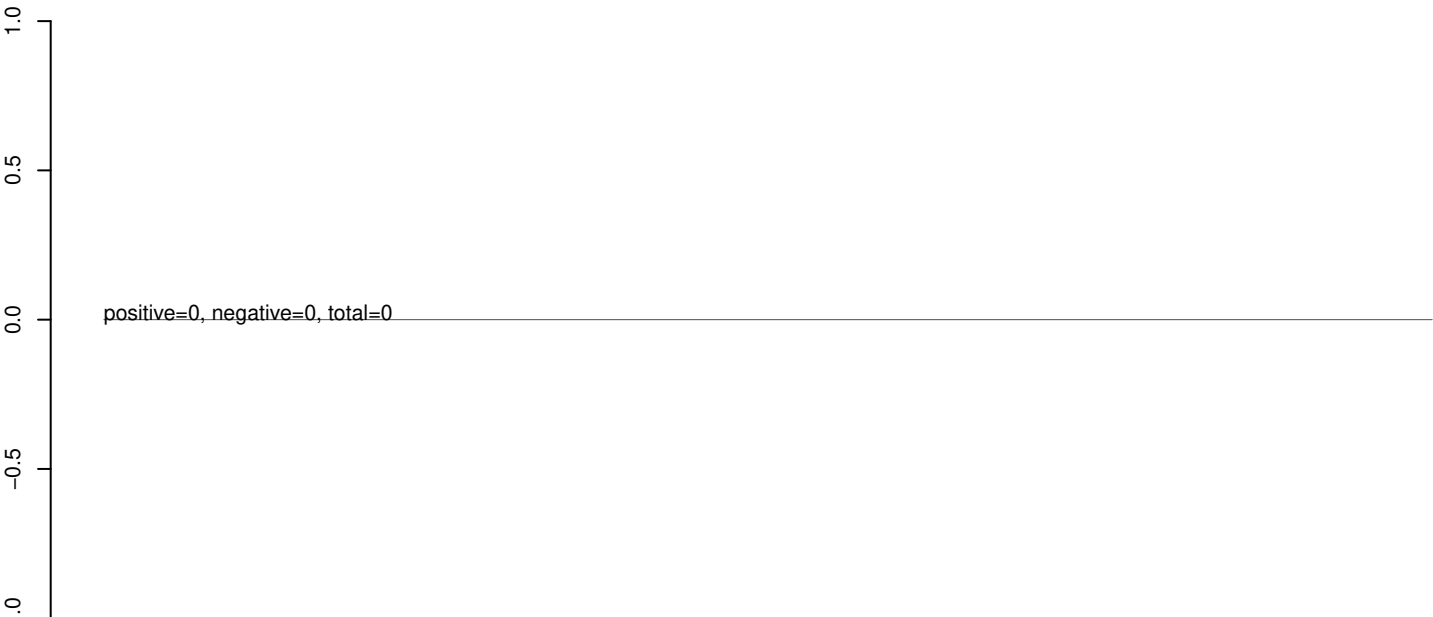
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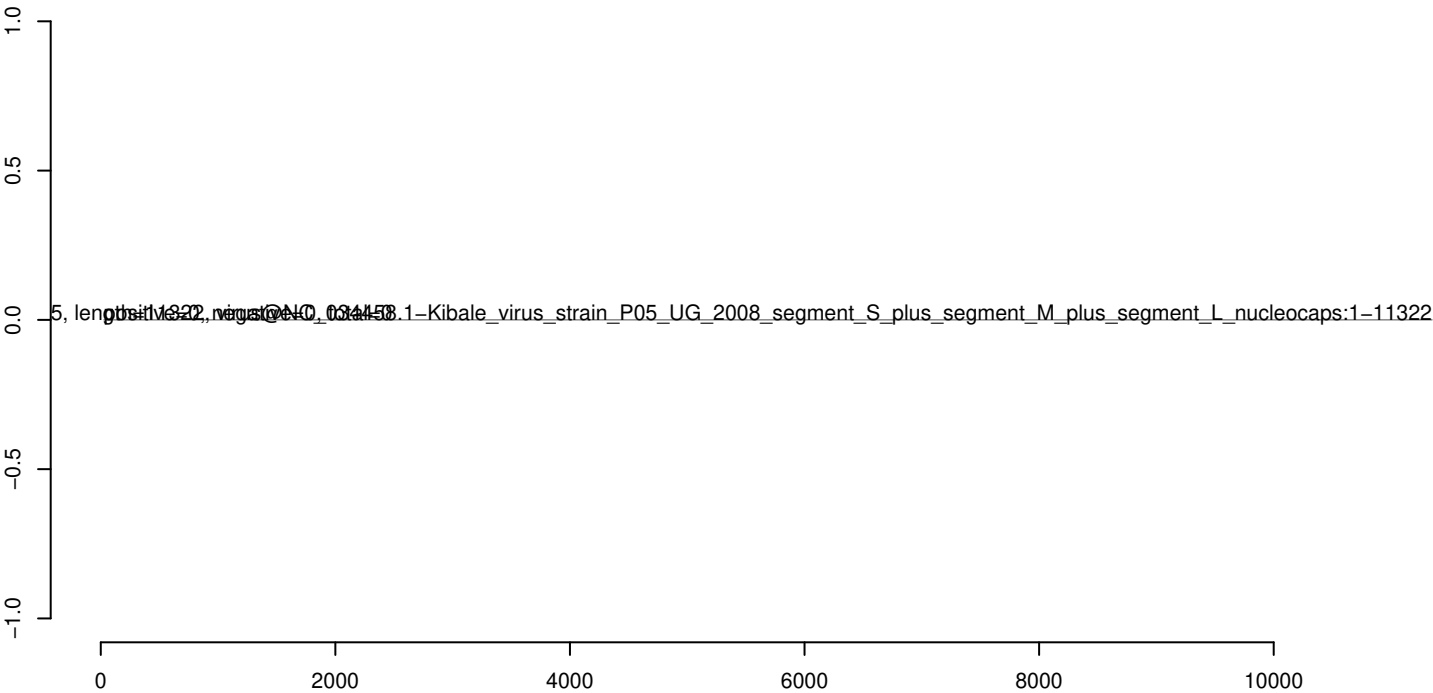
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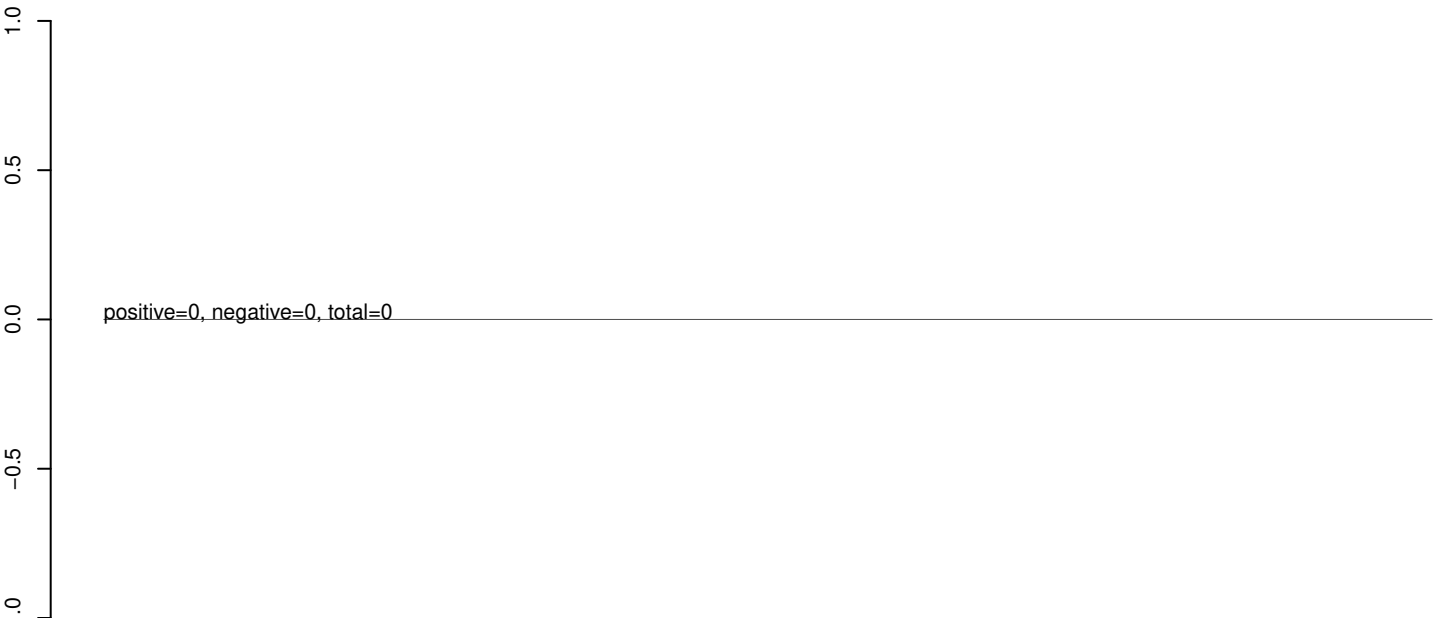


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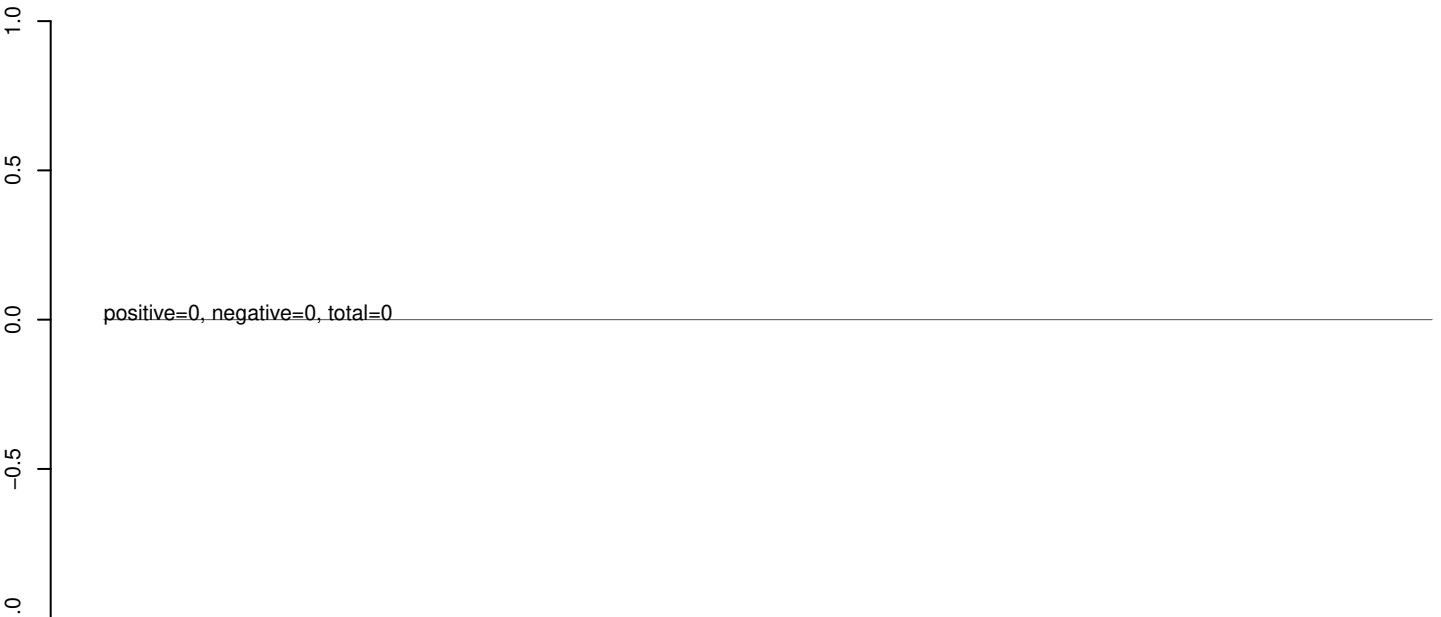




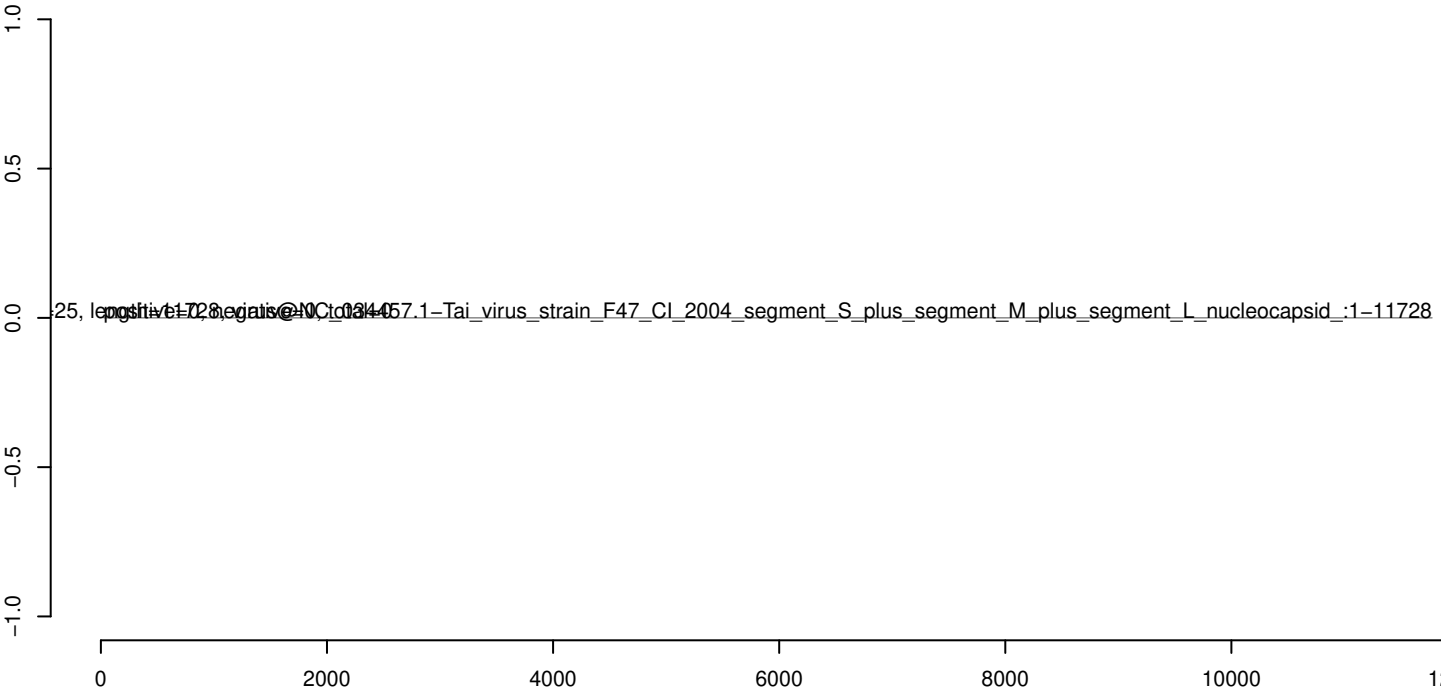
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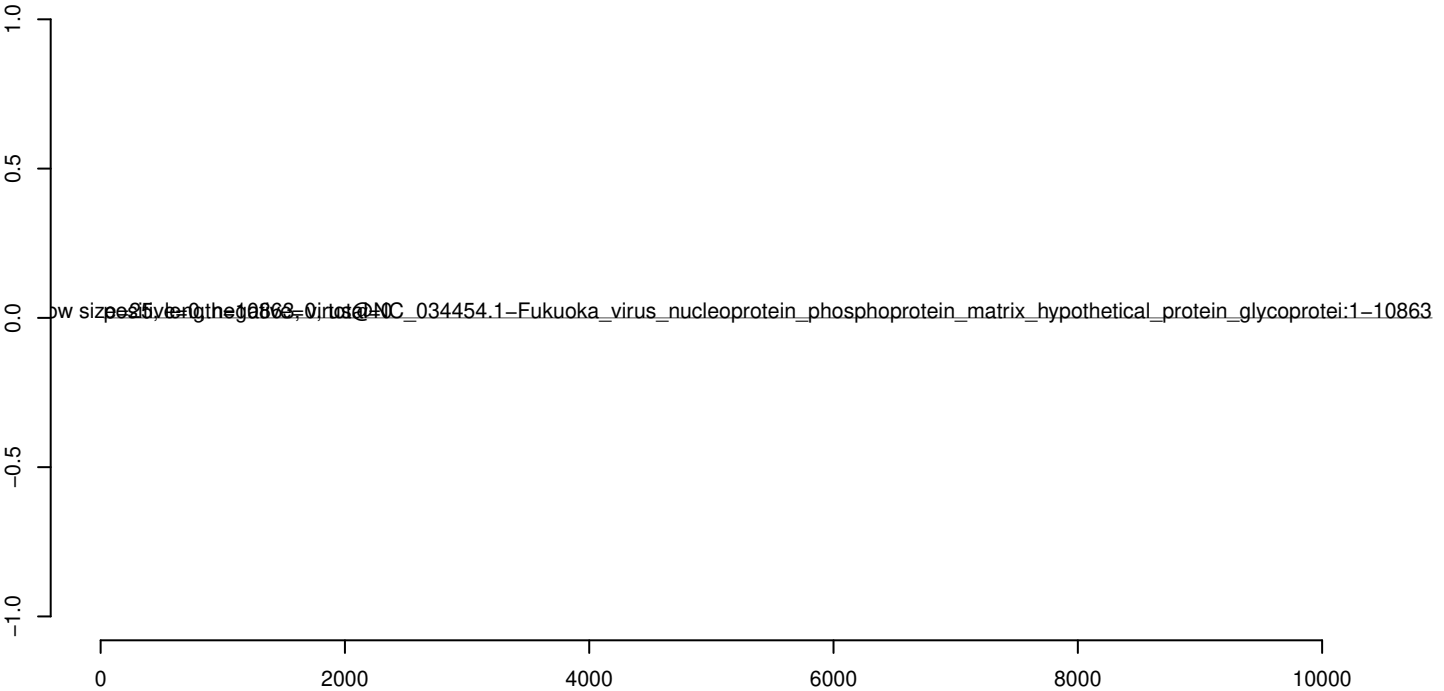
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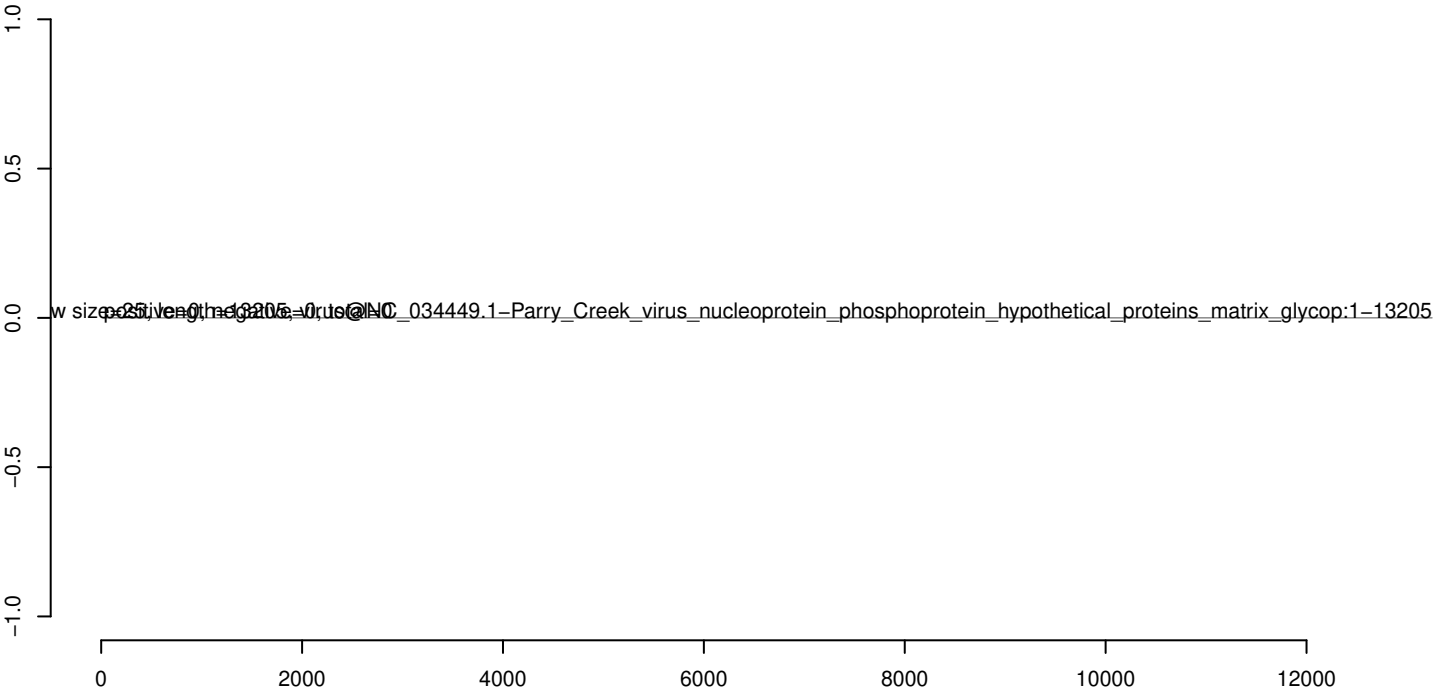
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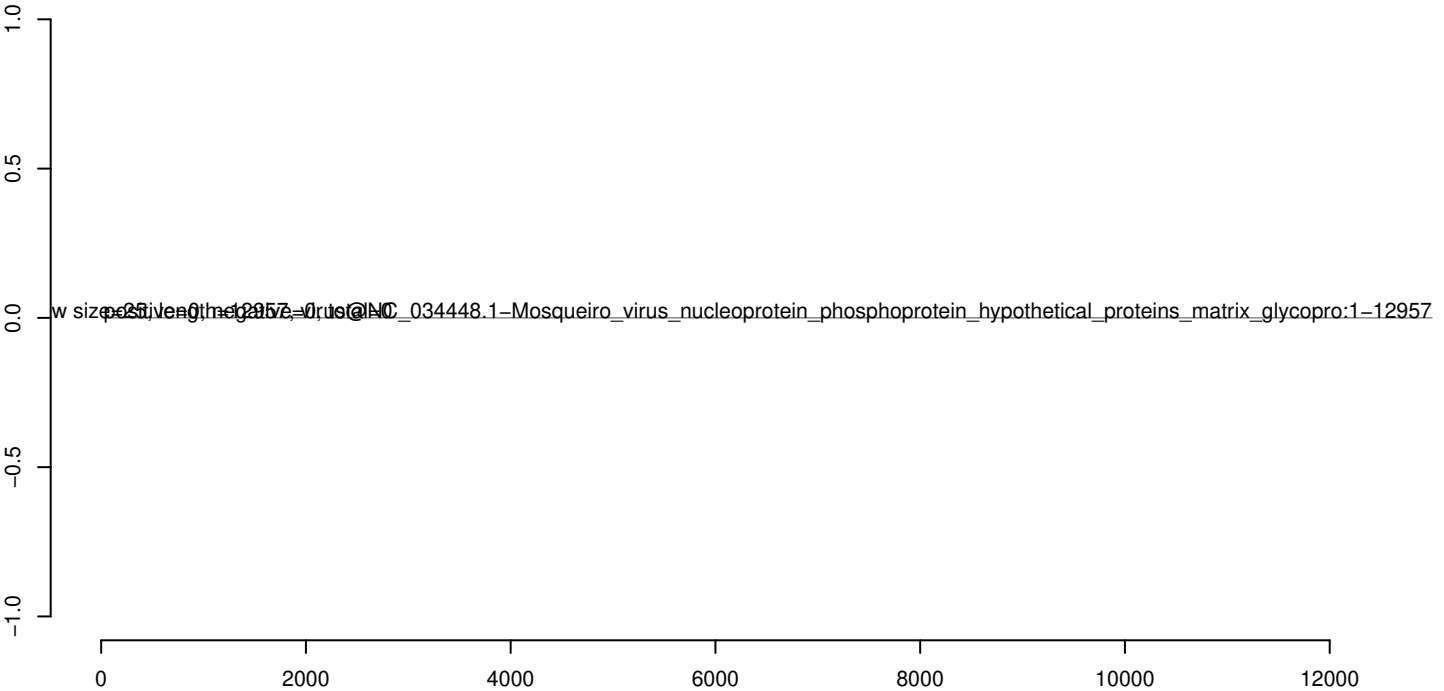
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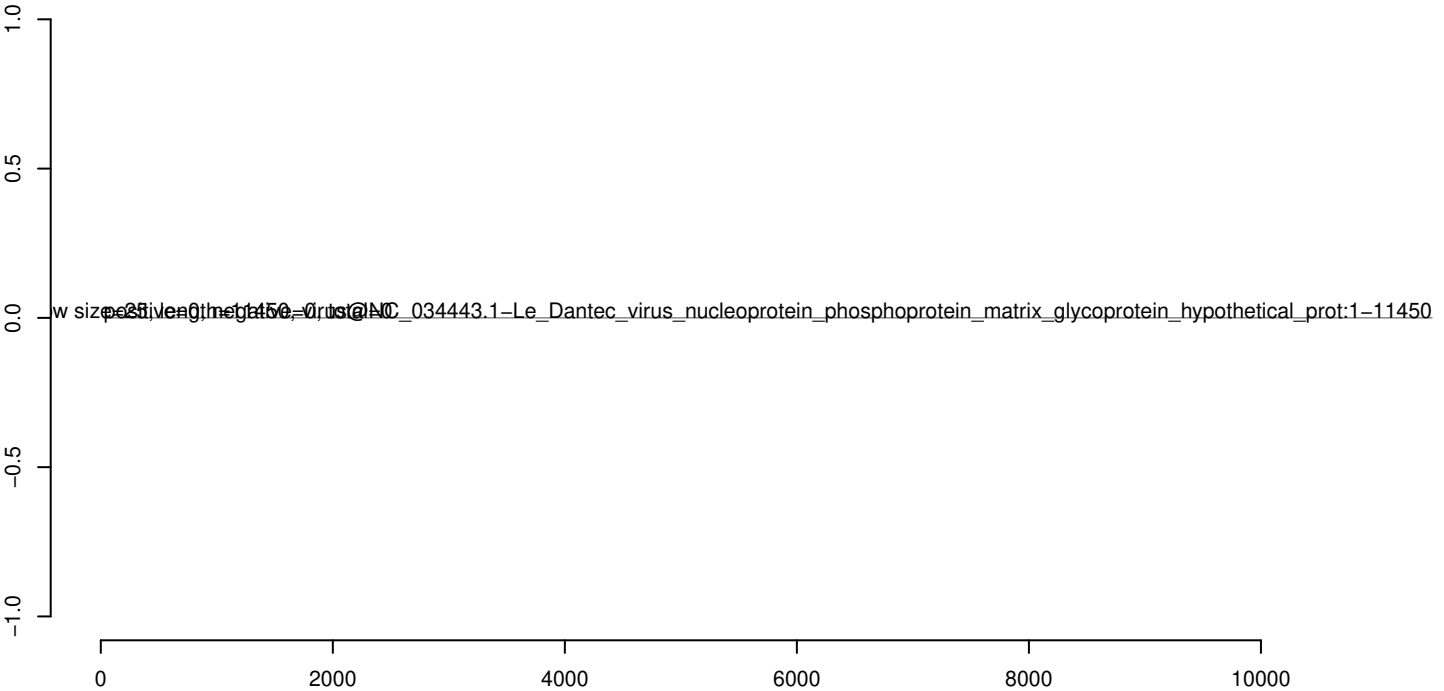
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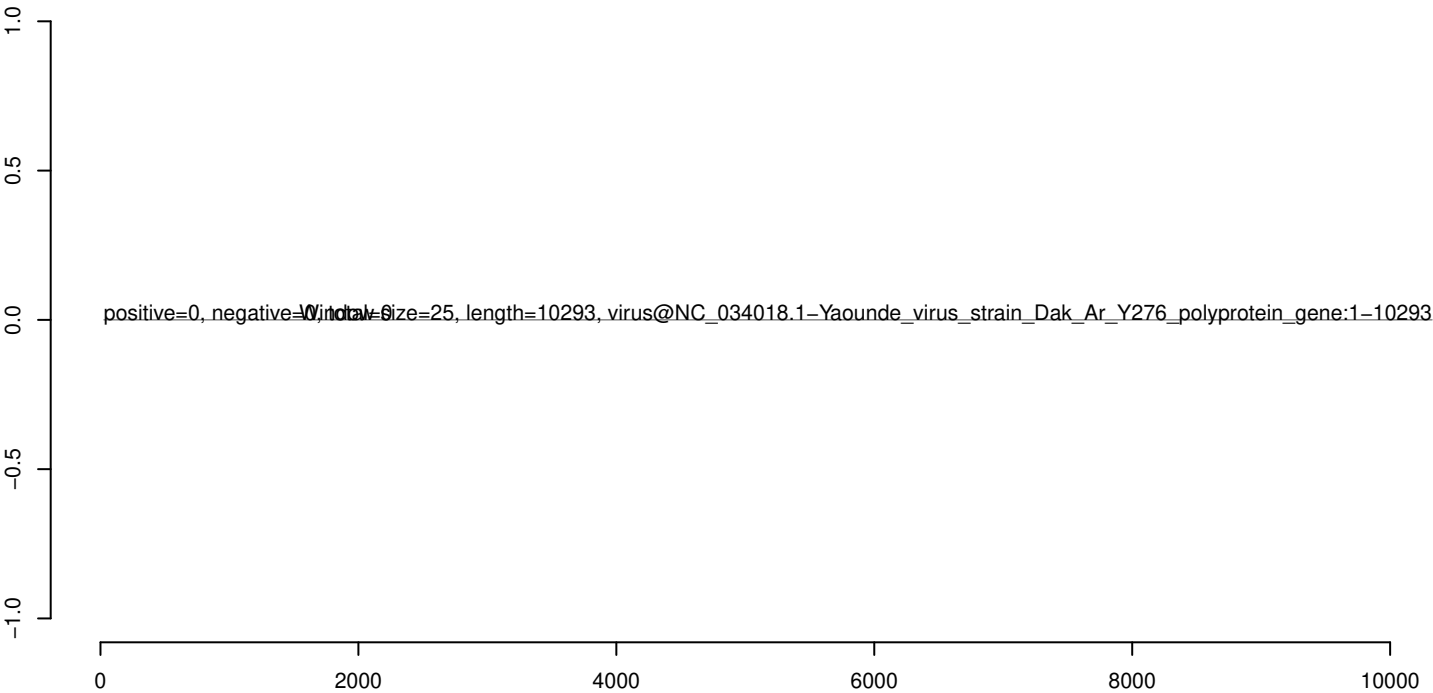
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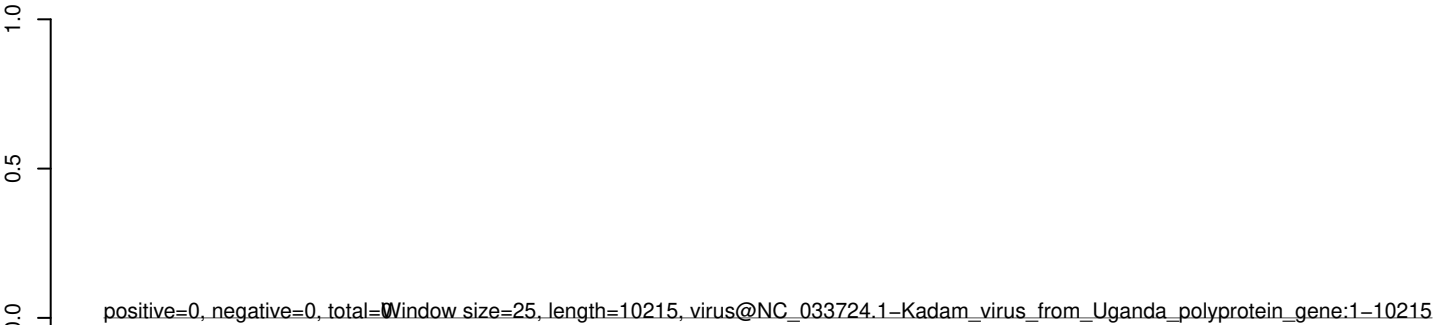
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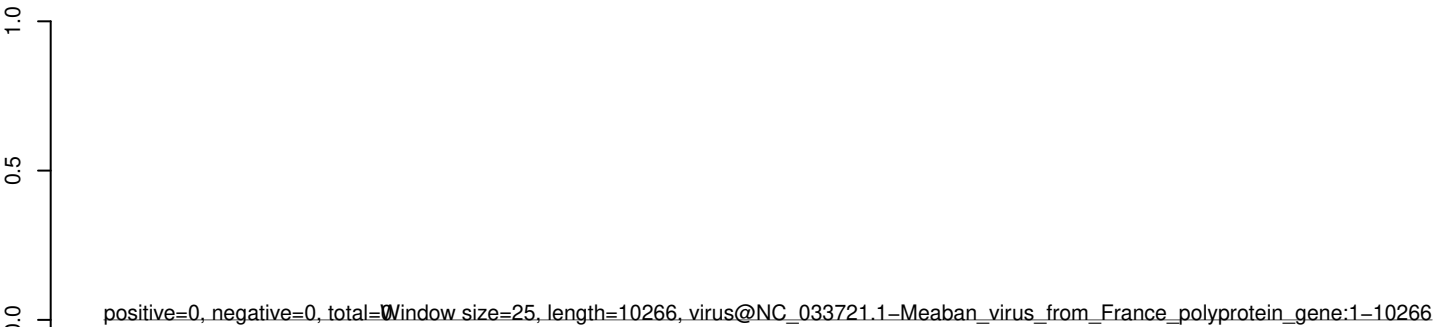
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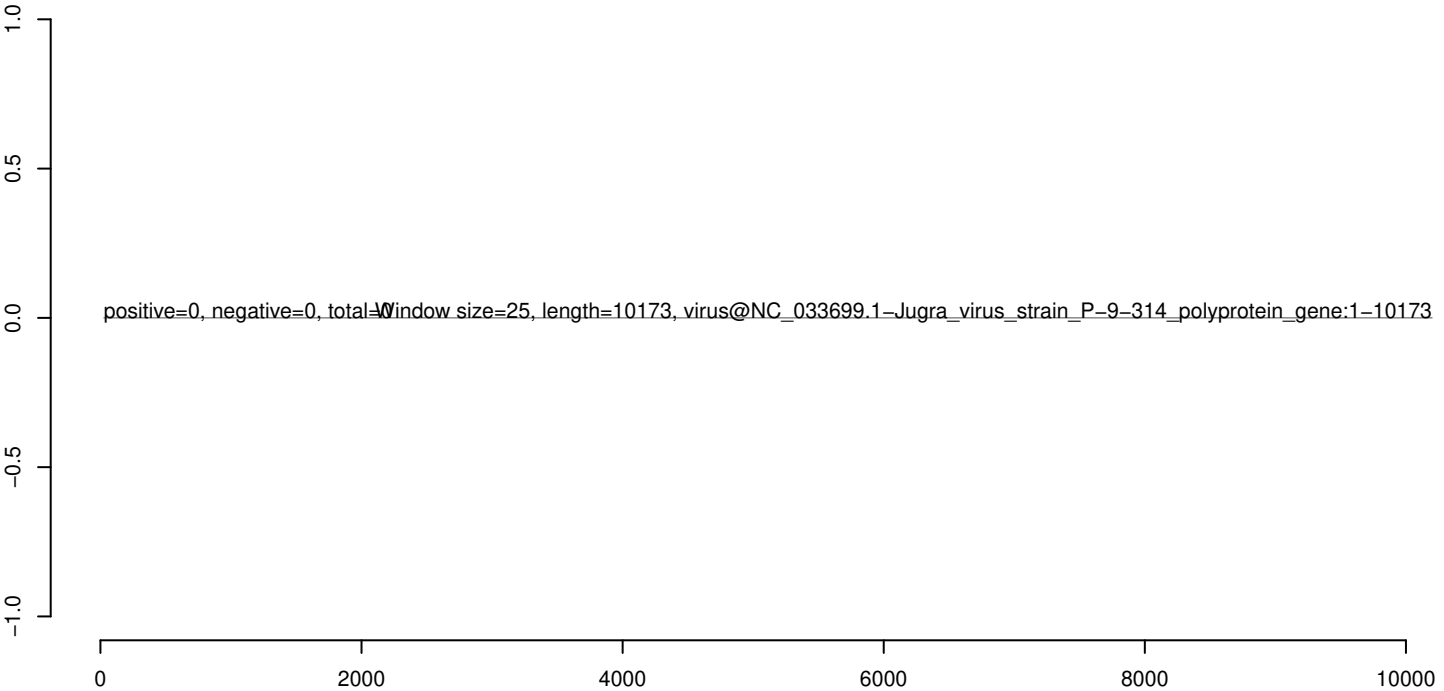
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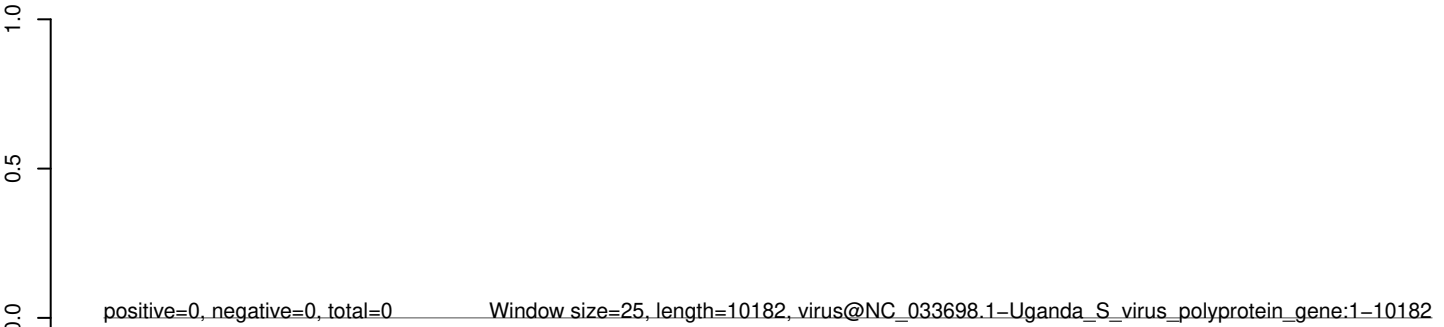
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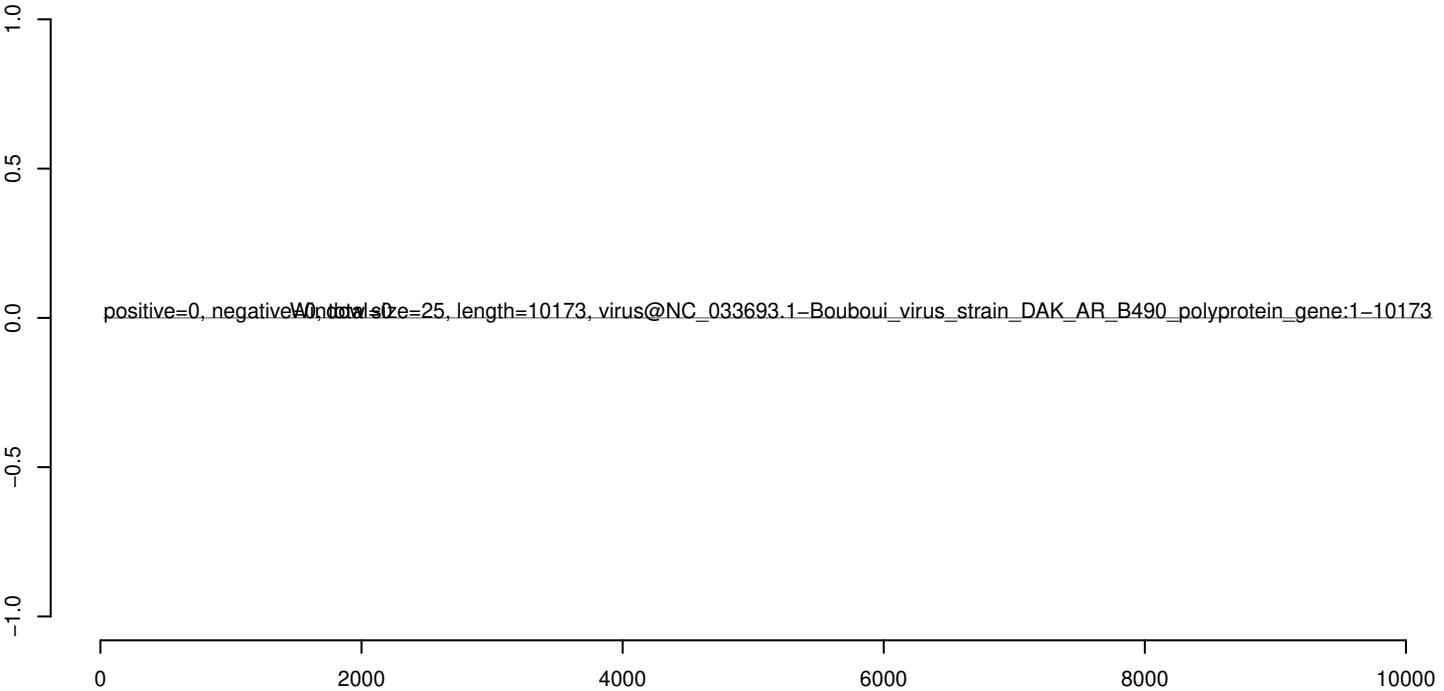
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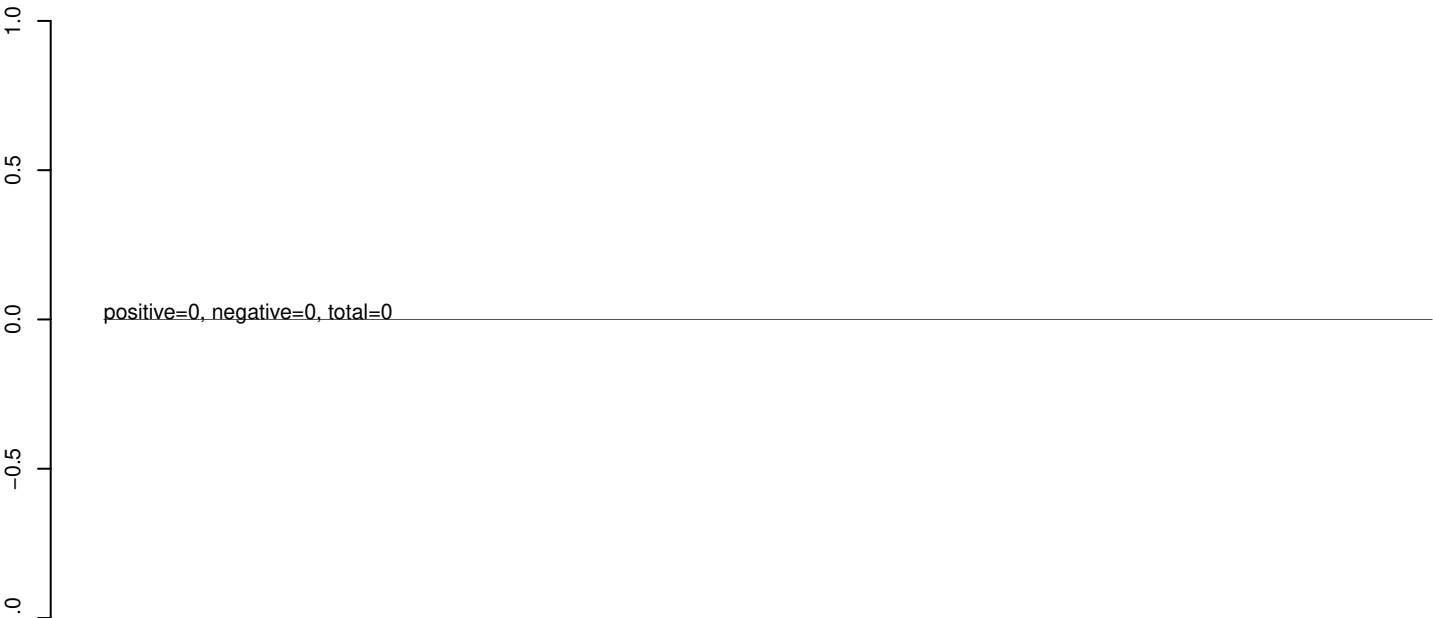
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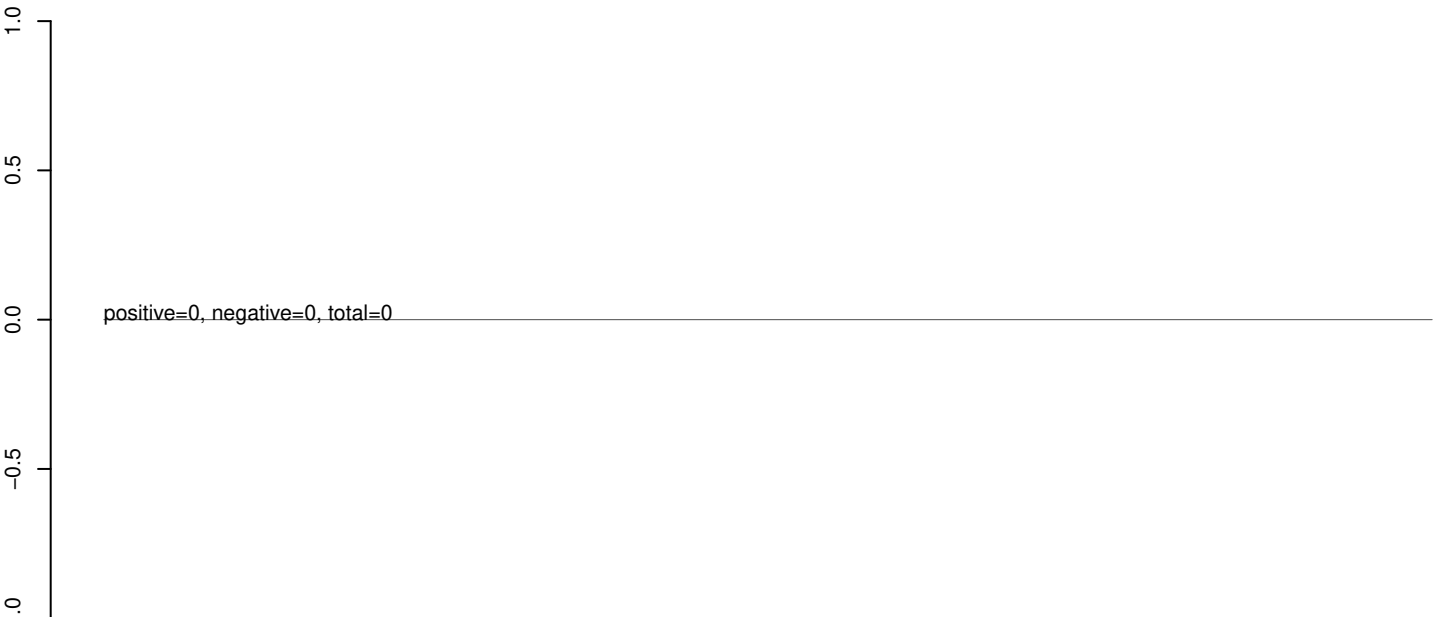
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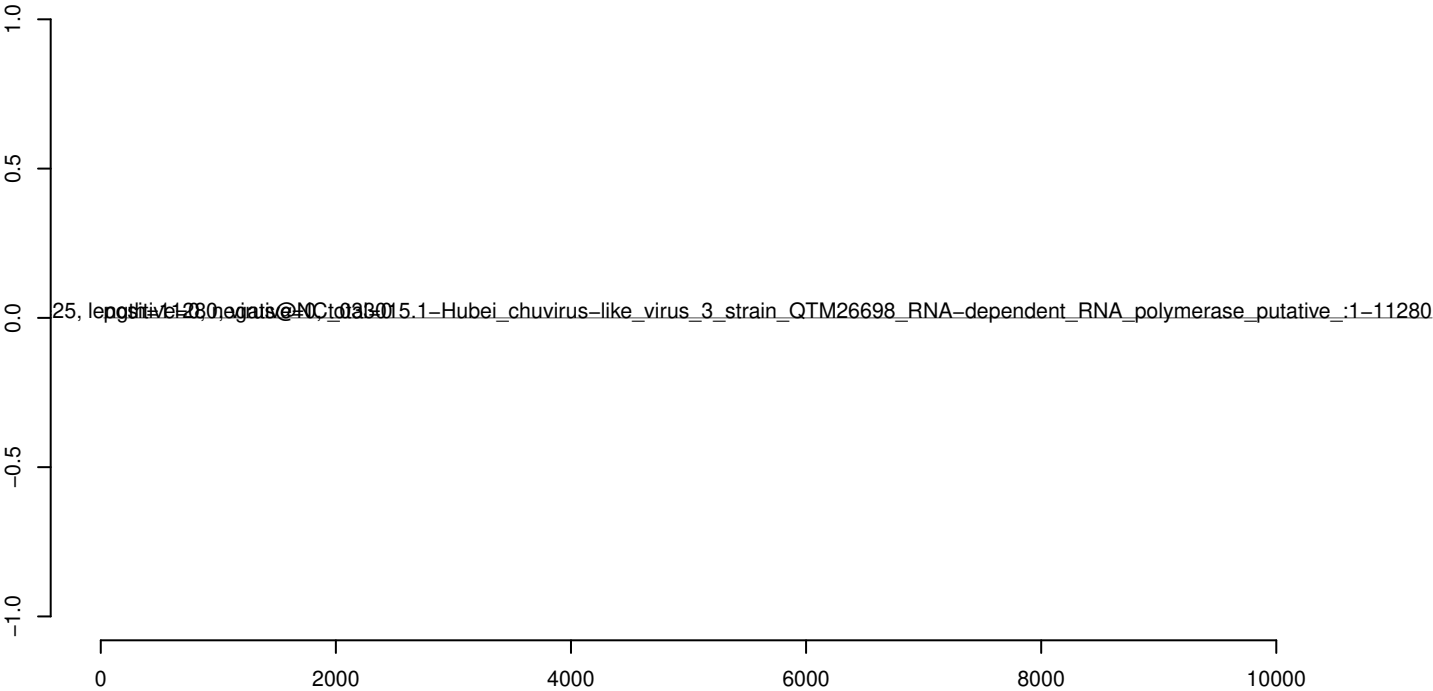
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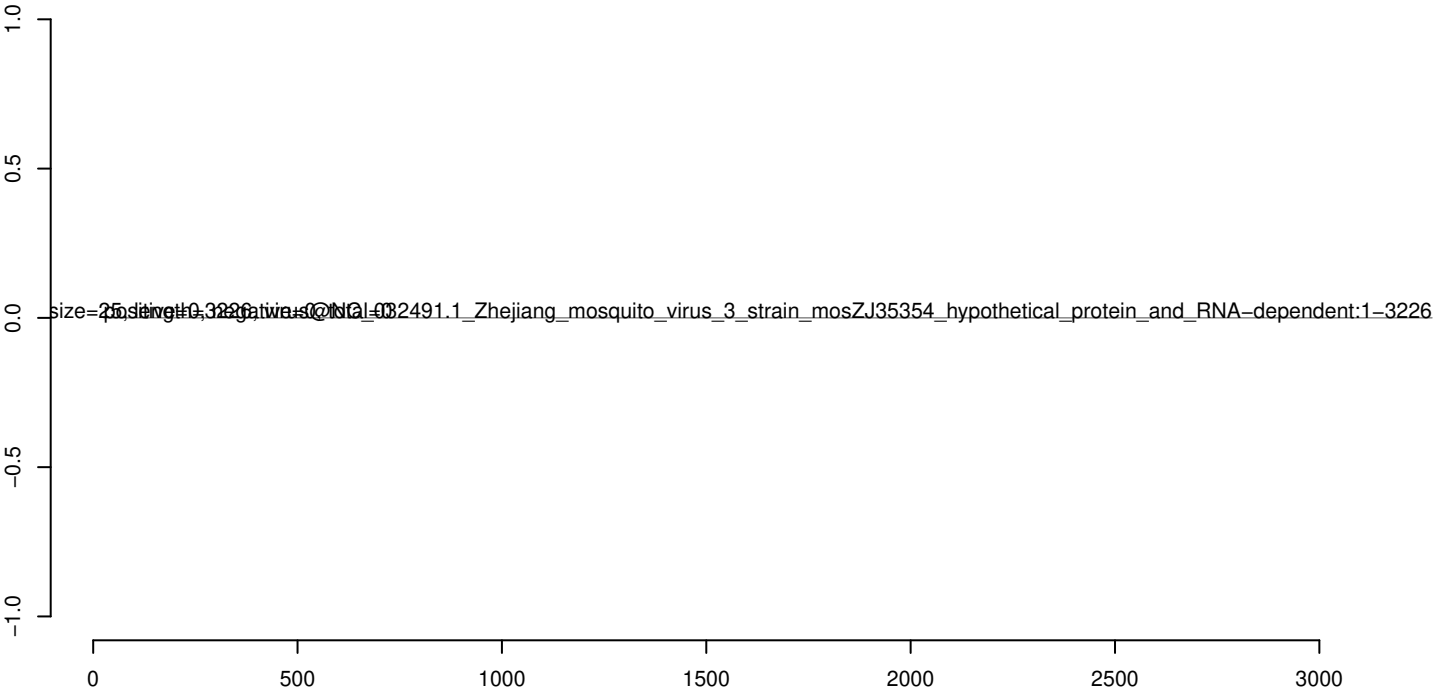
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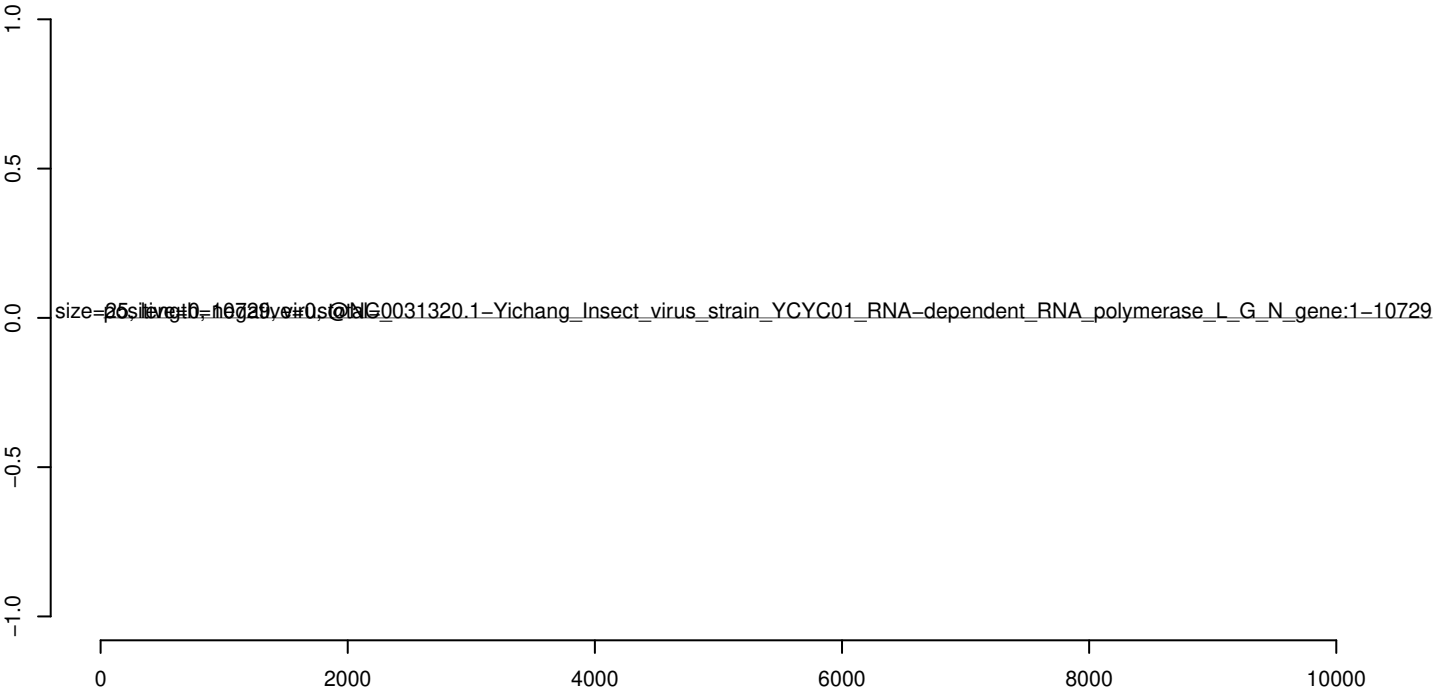
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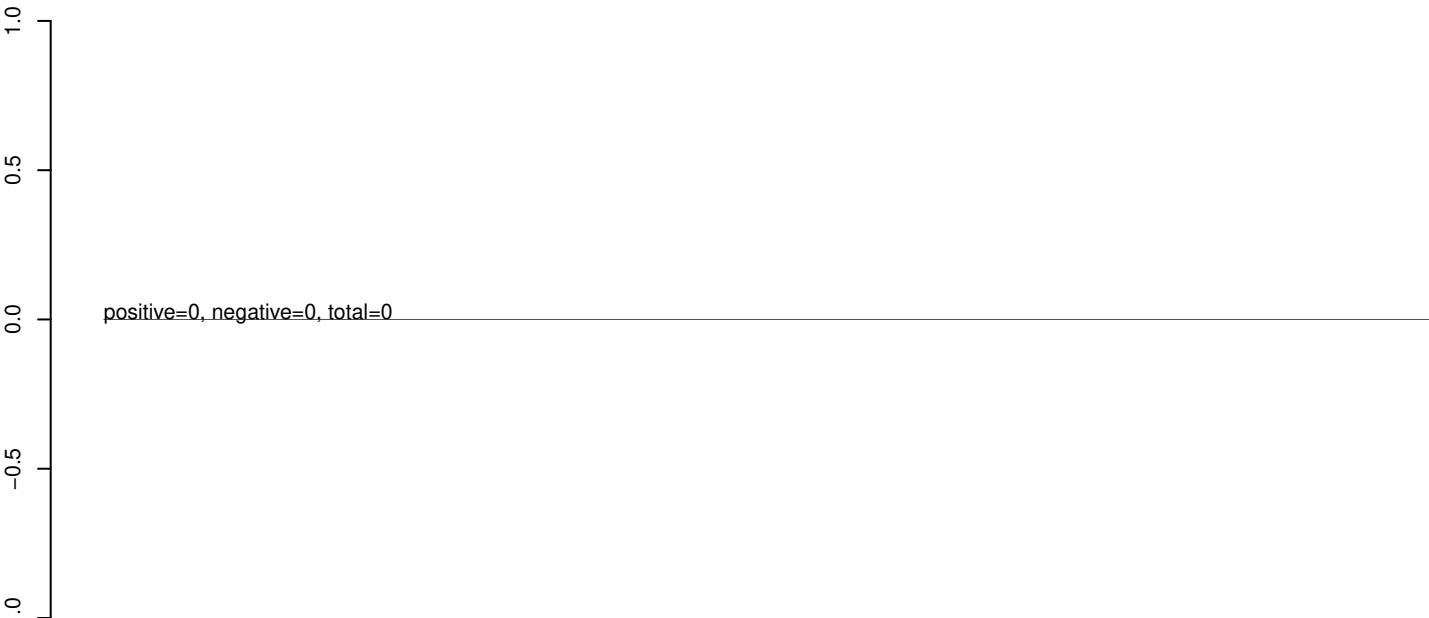


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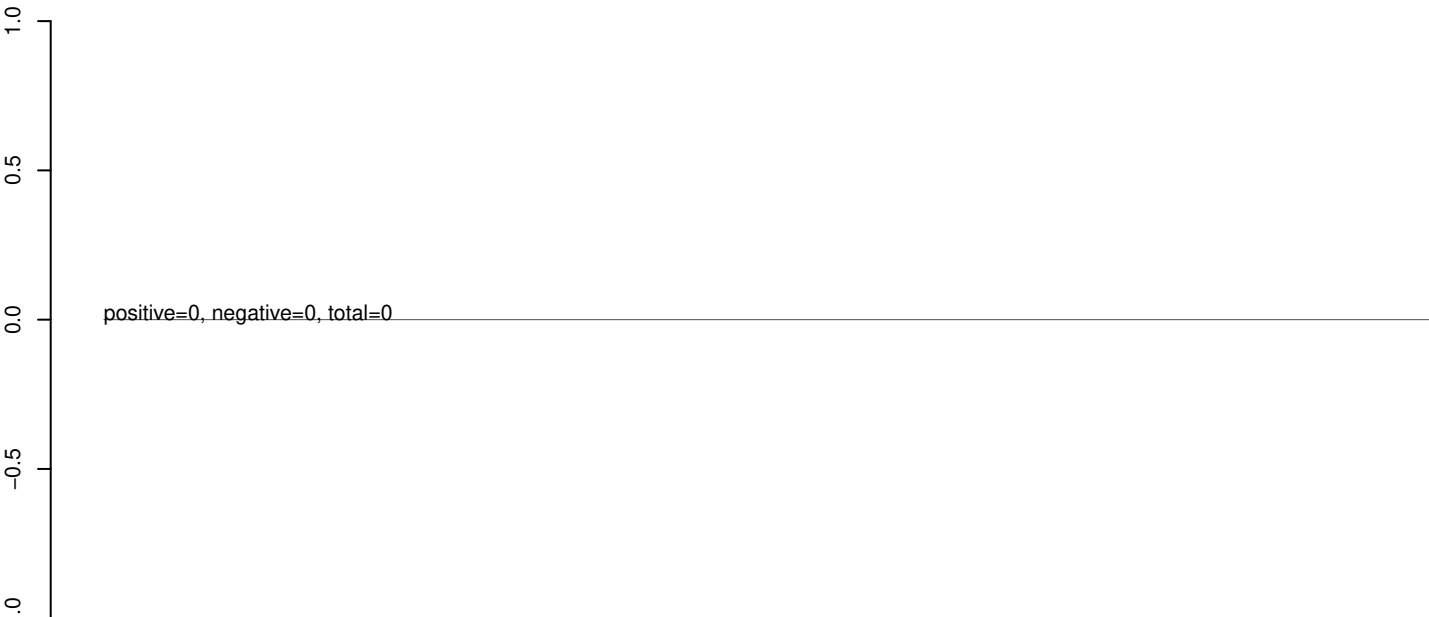




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**AeAeg\_Aag2SINV\_dsPiwi5.rep**



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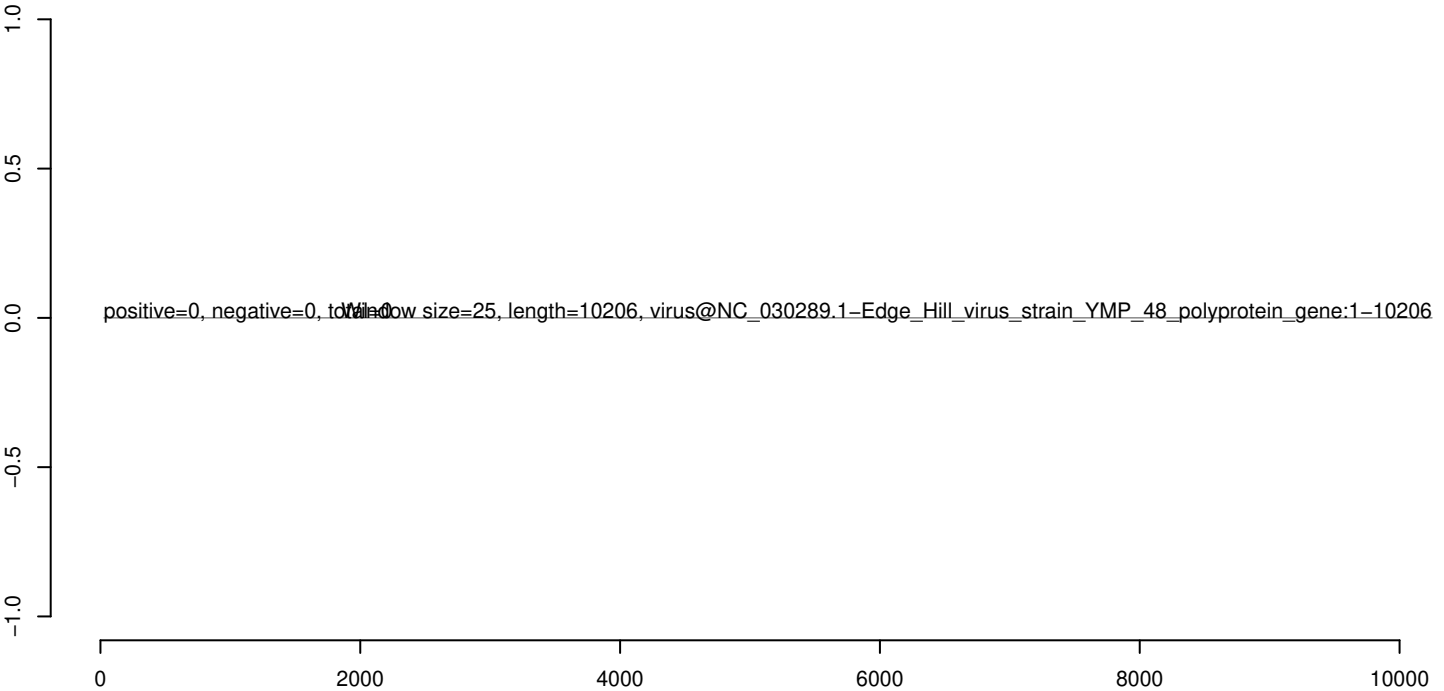
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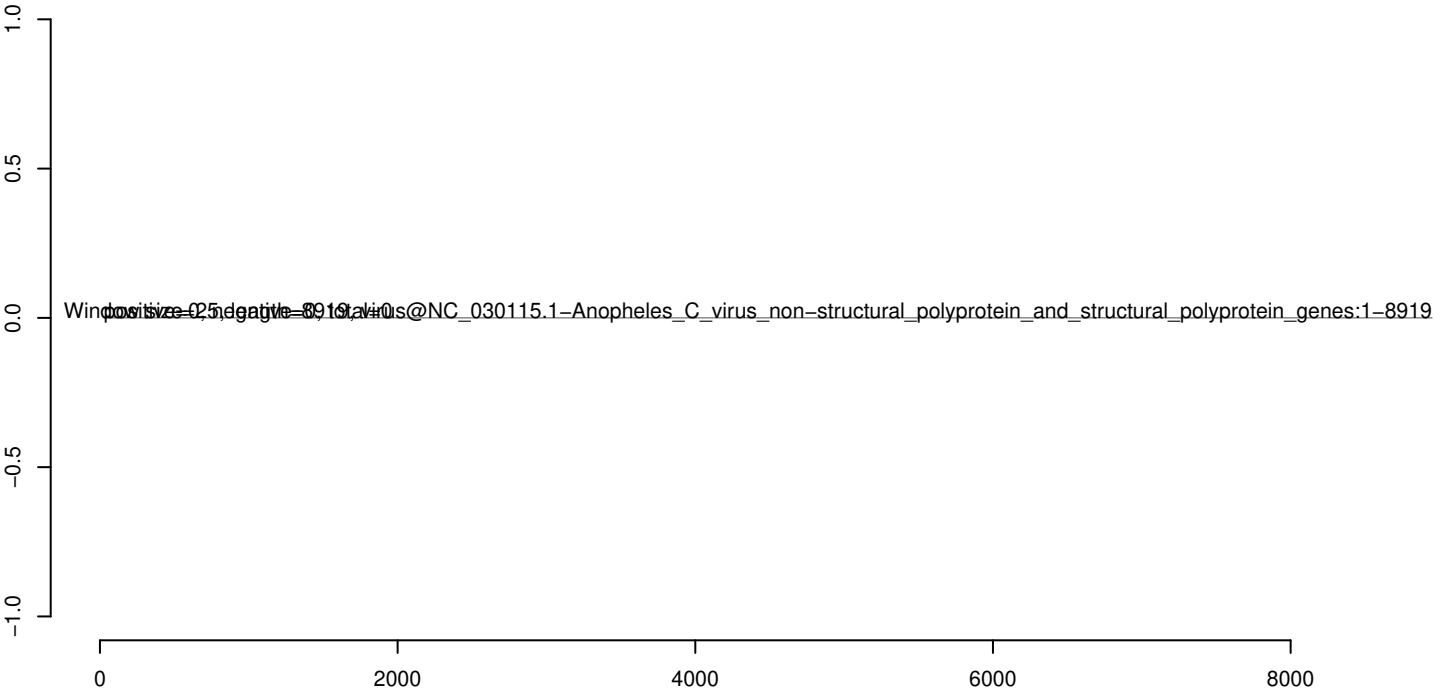
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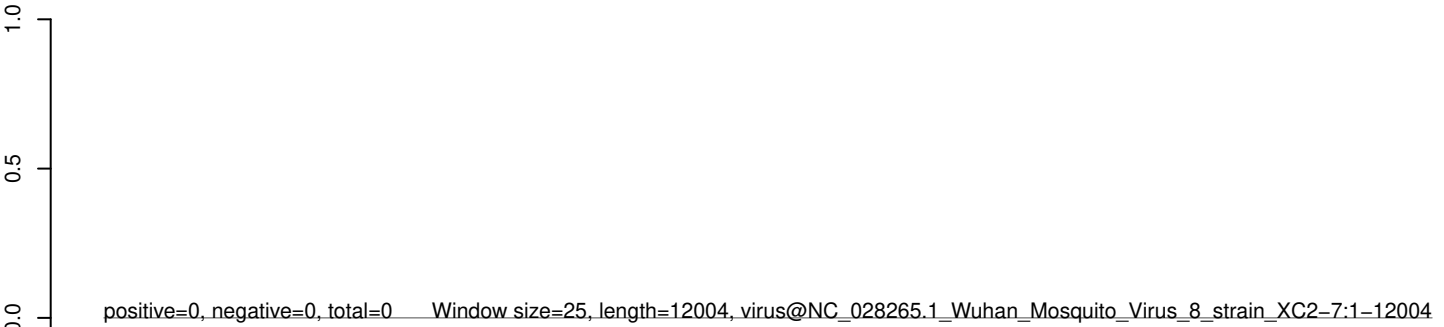
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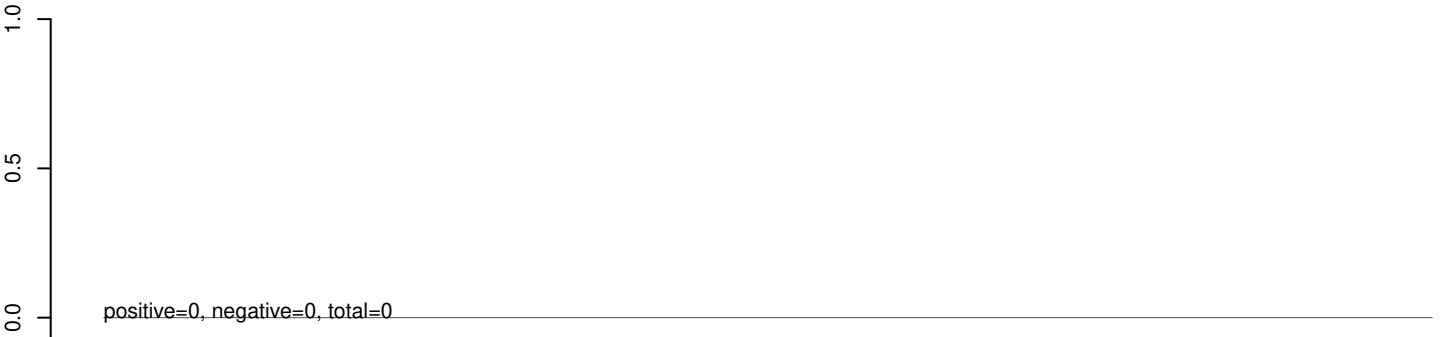
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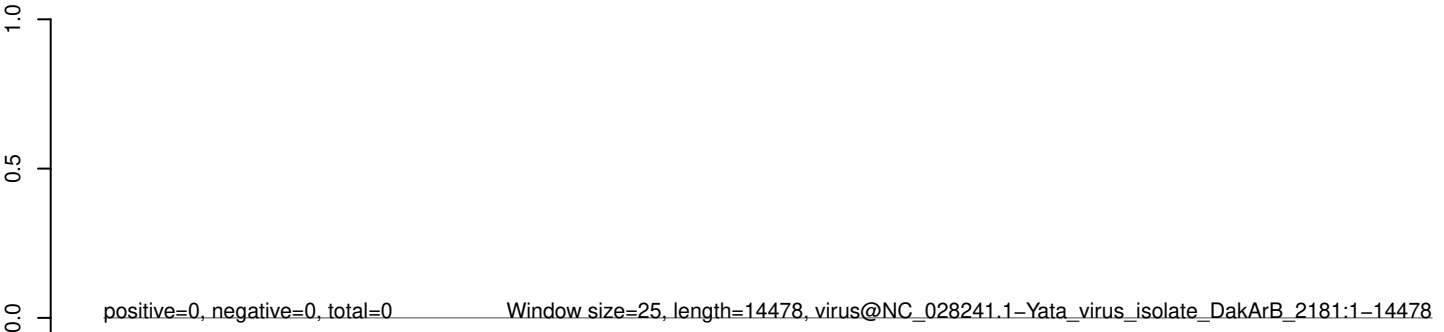
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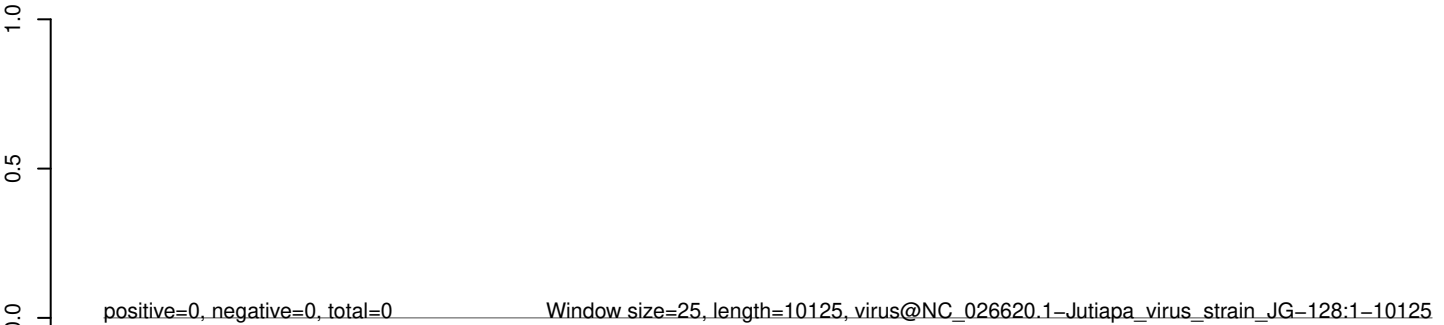
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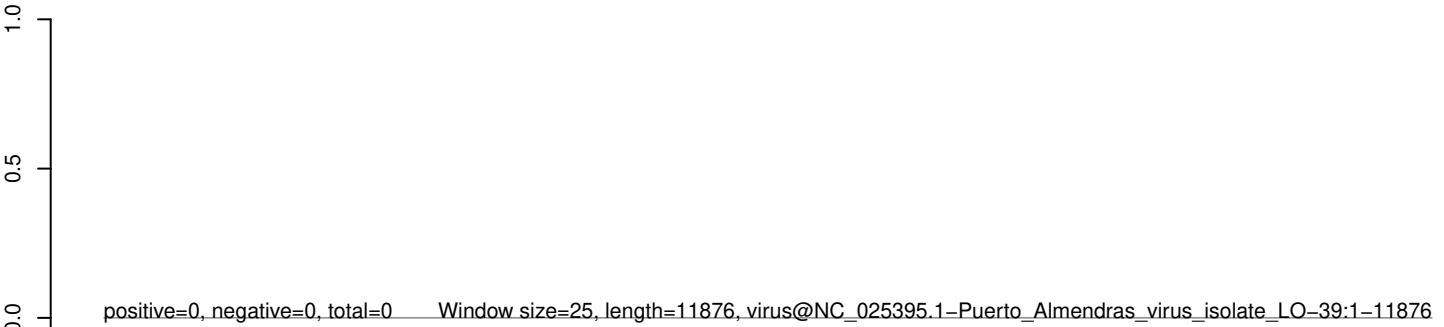
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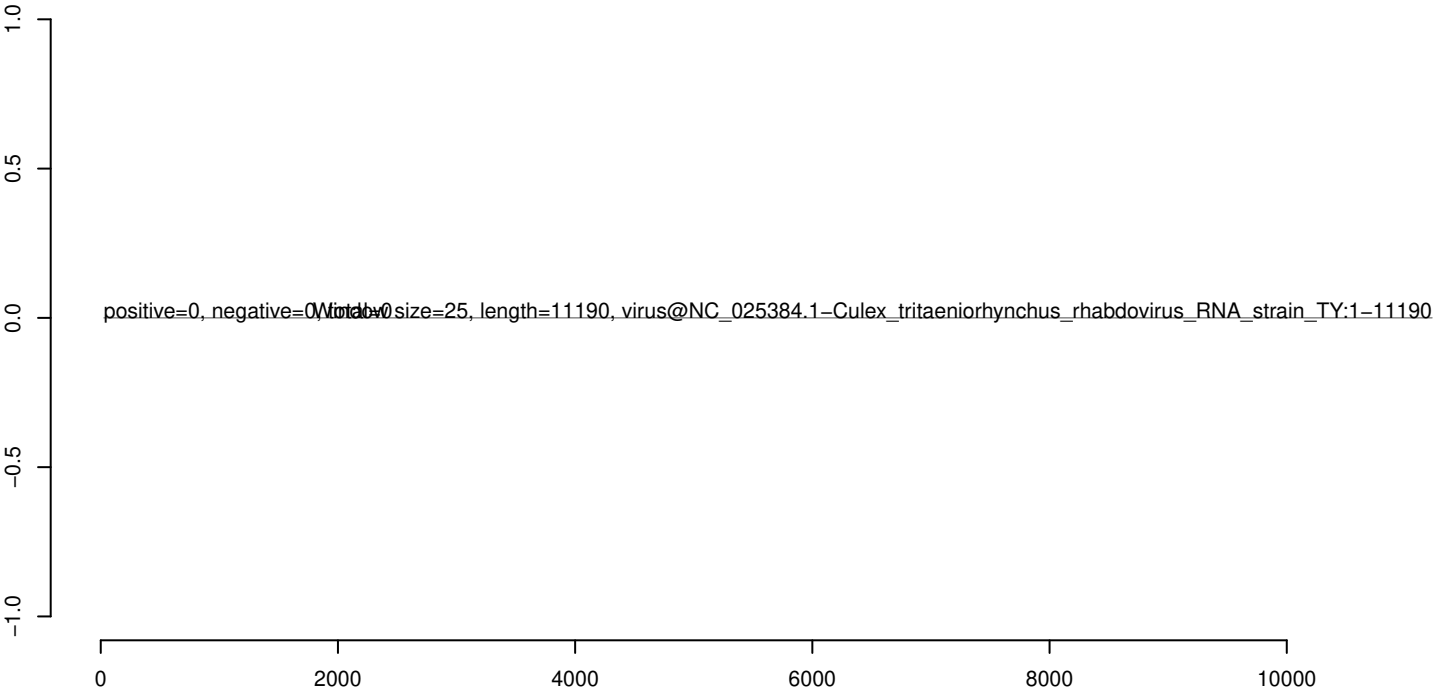
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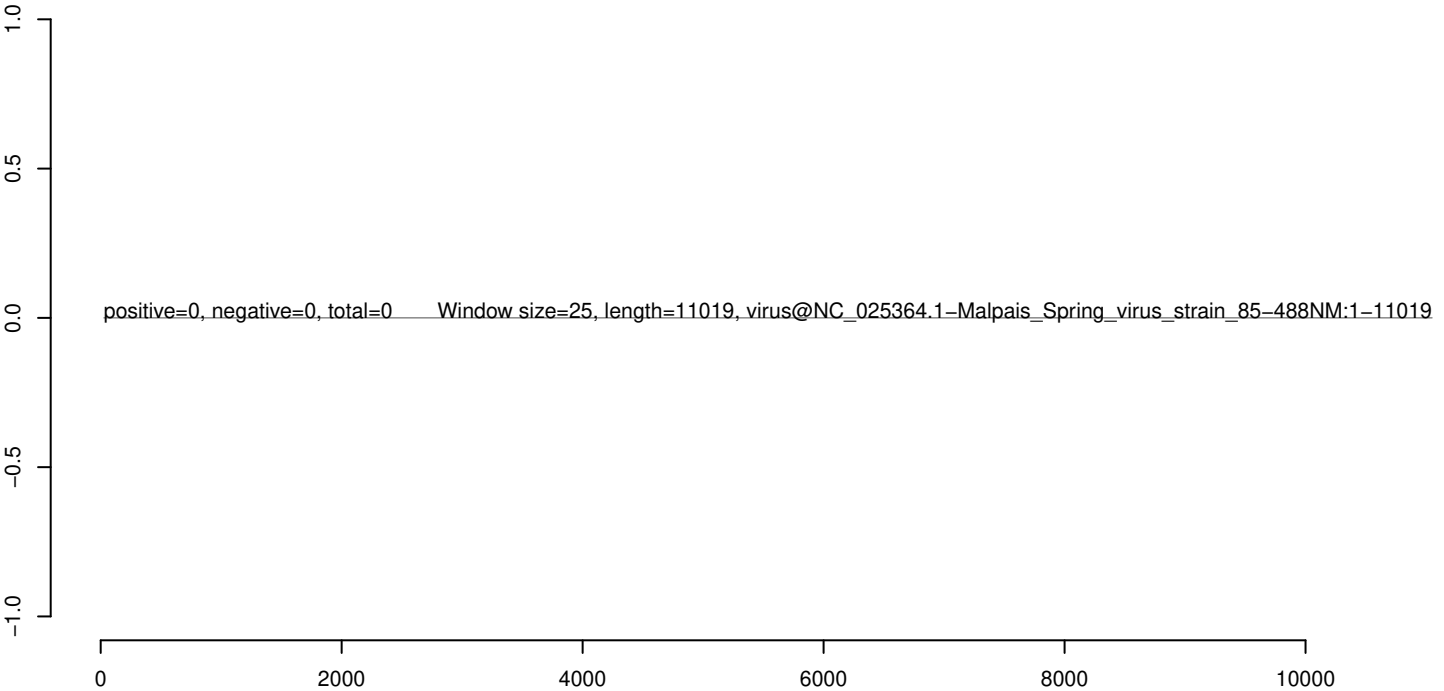
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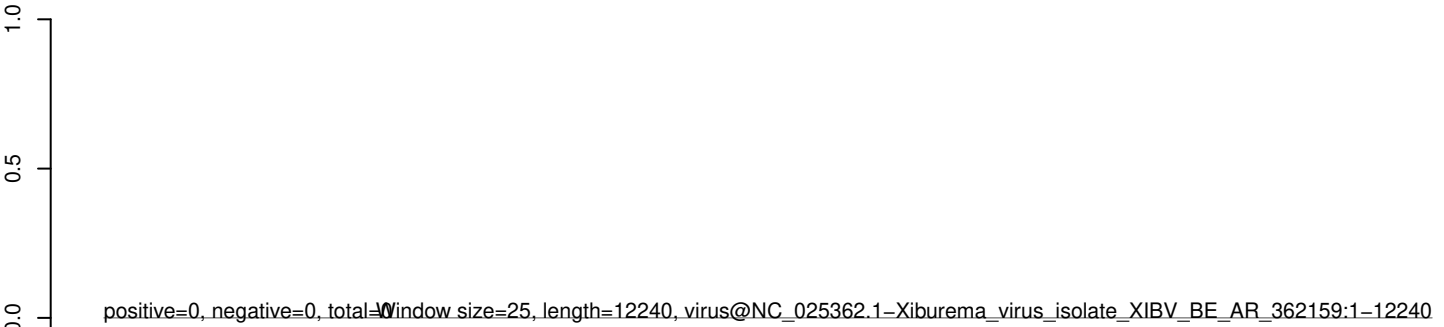
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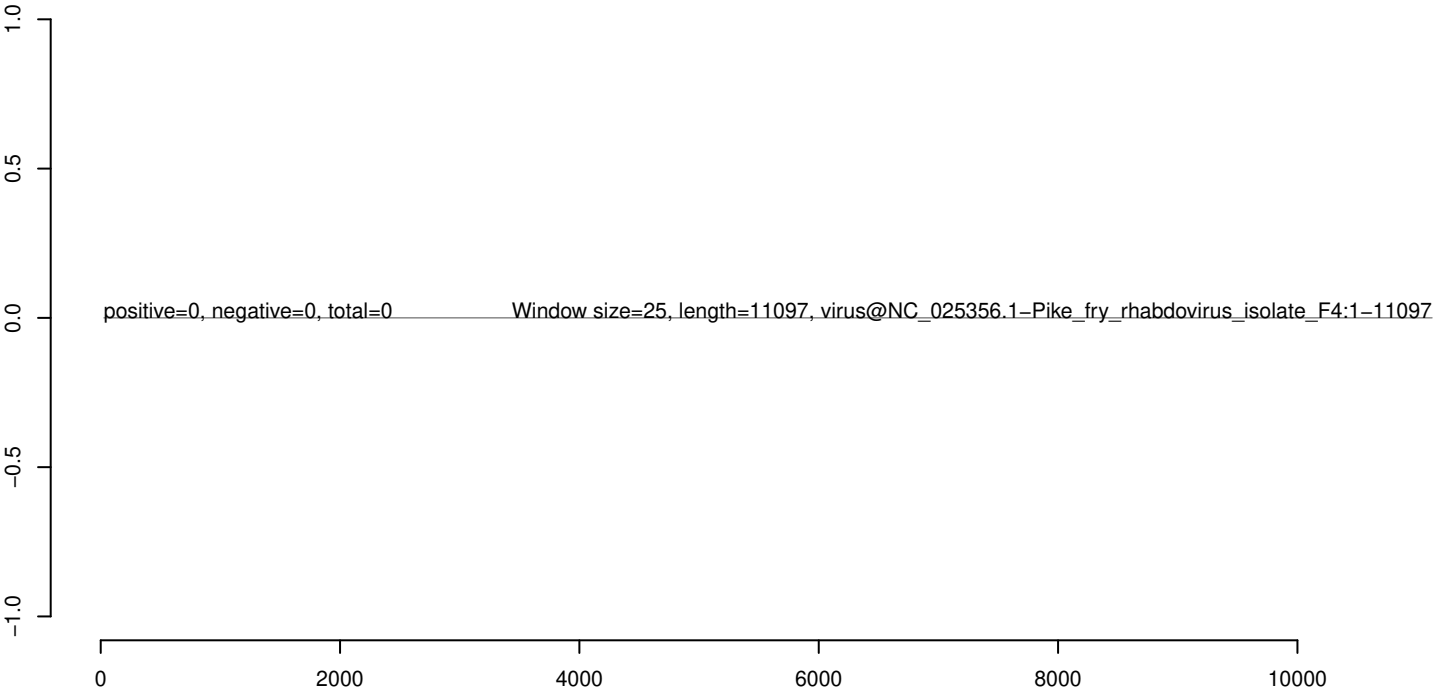
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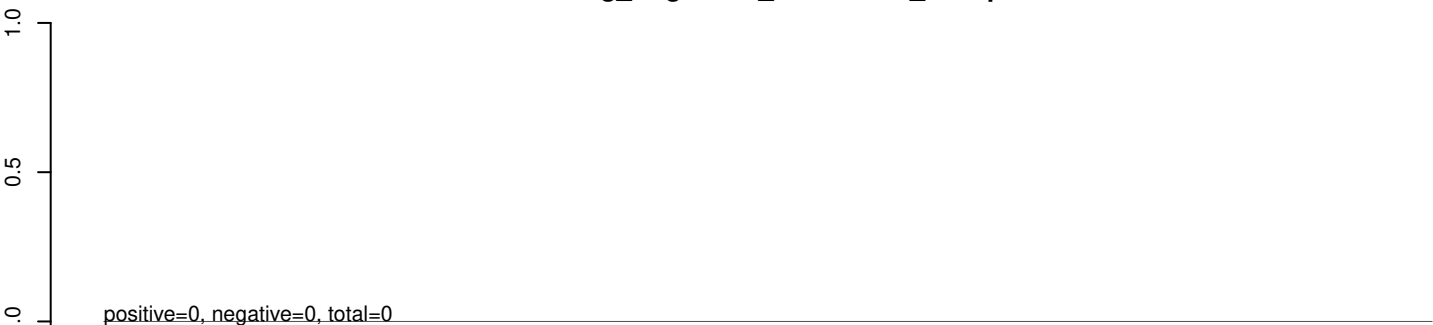
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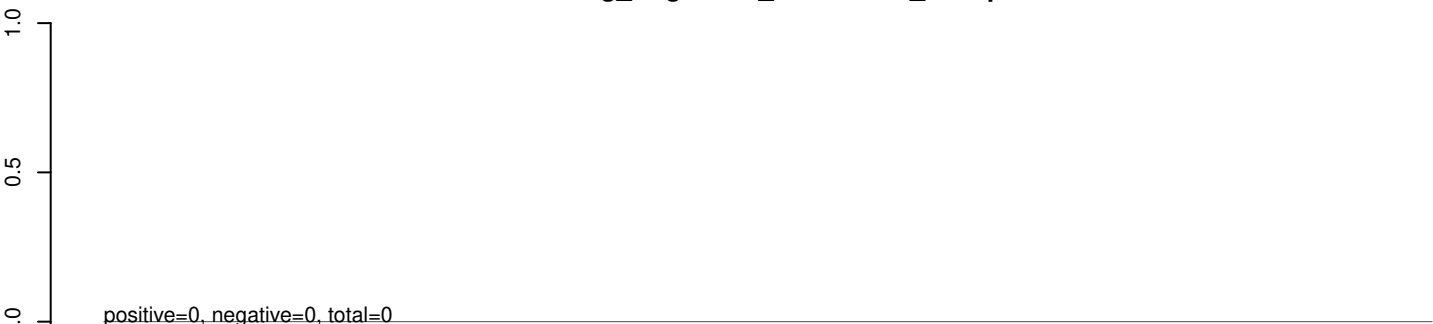
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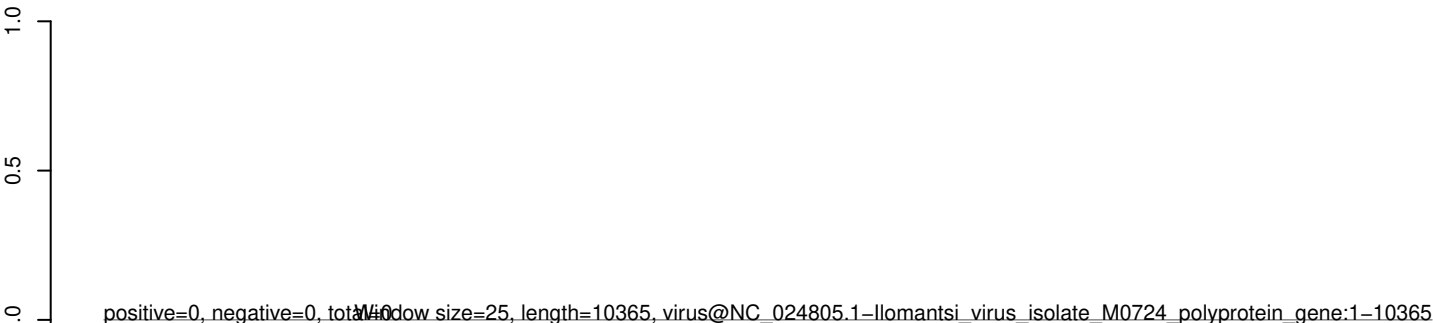
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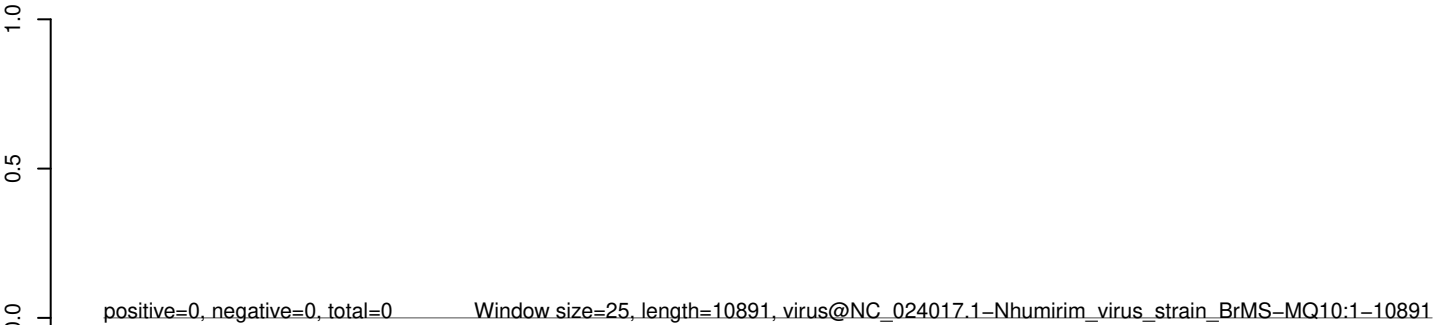
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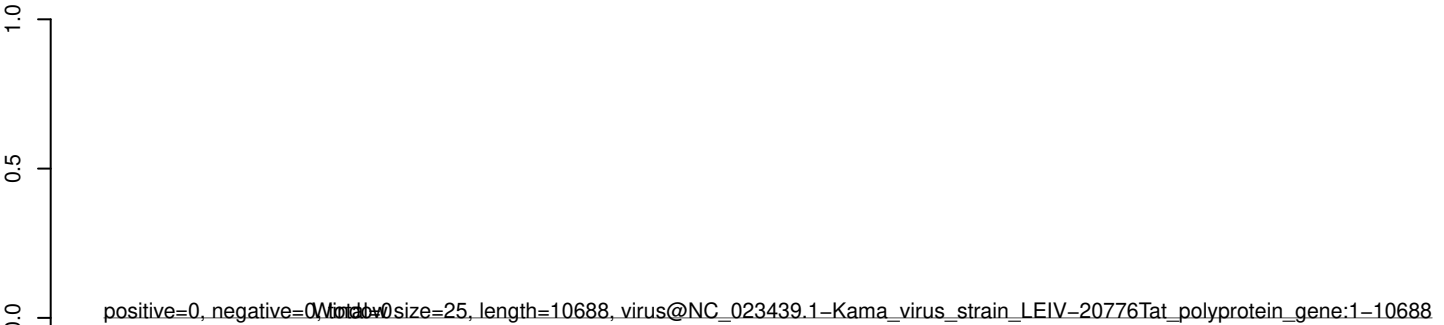
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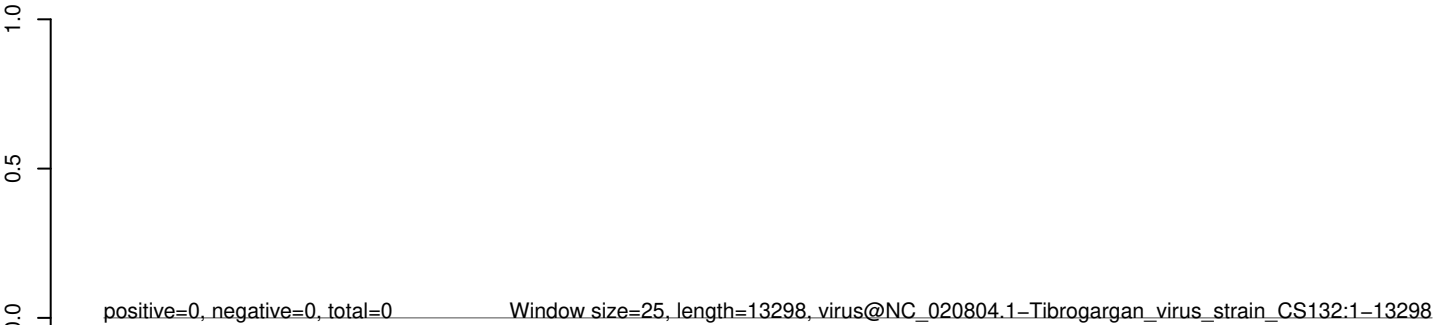
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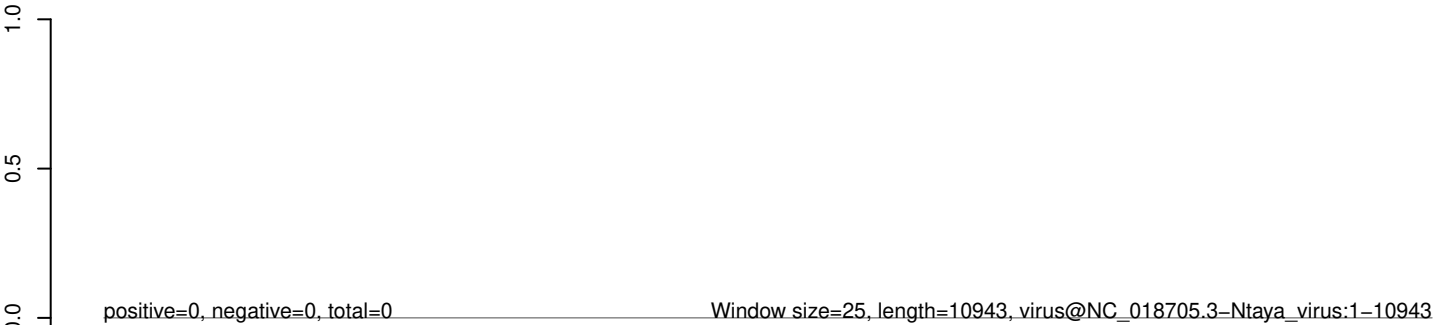
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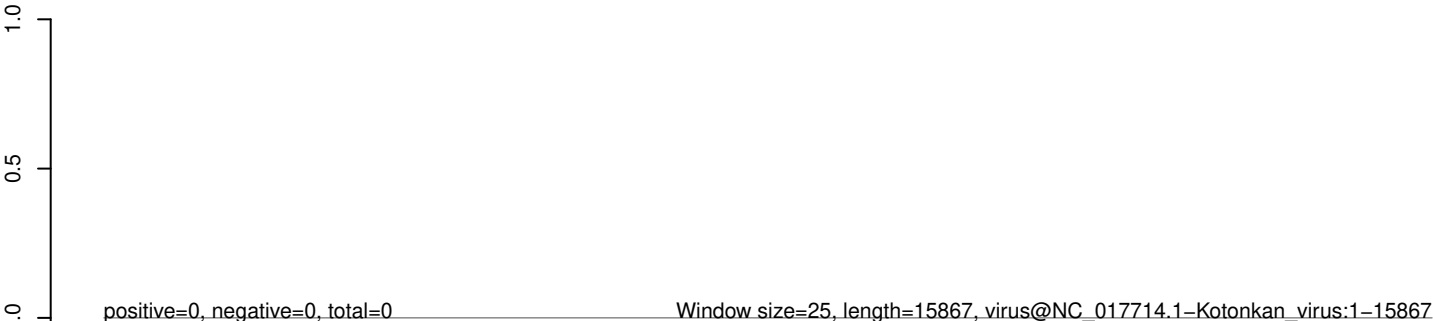
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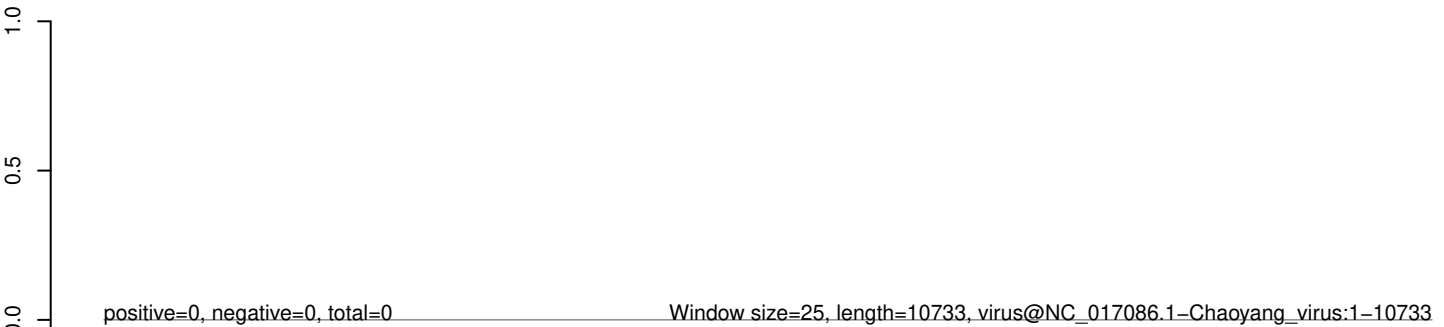
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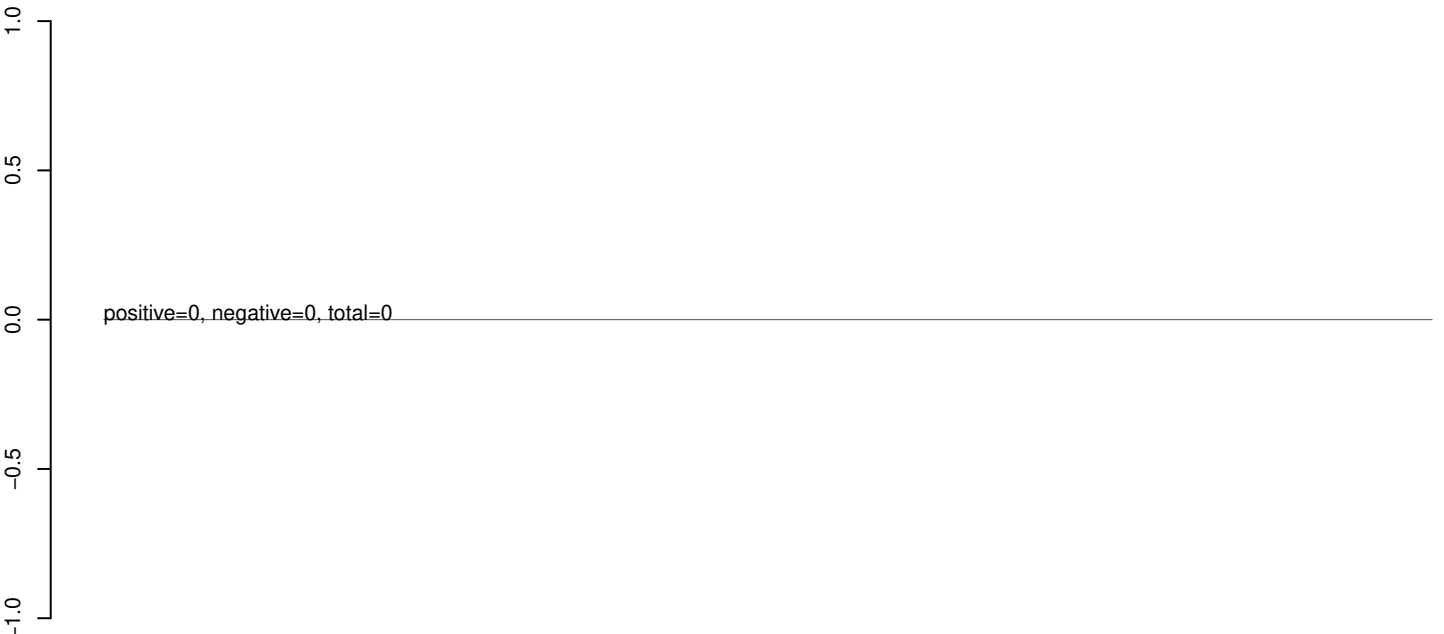


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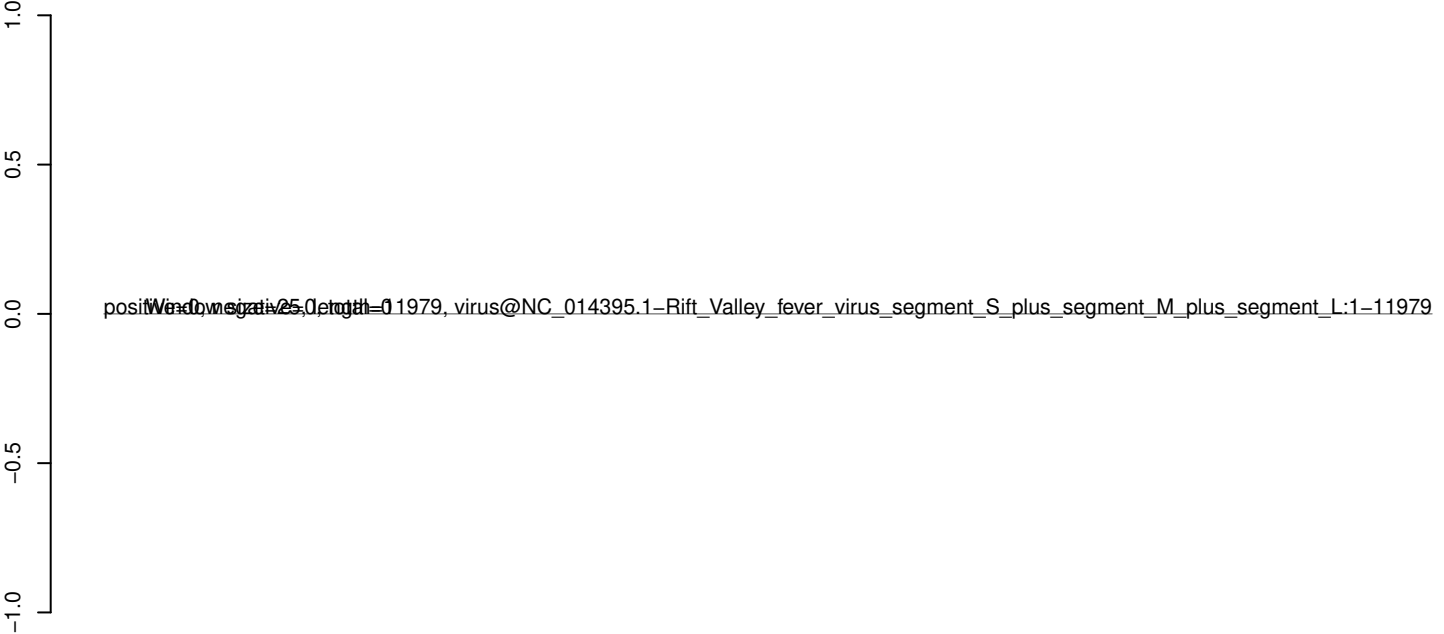
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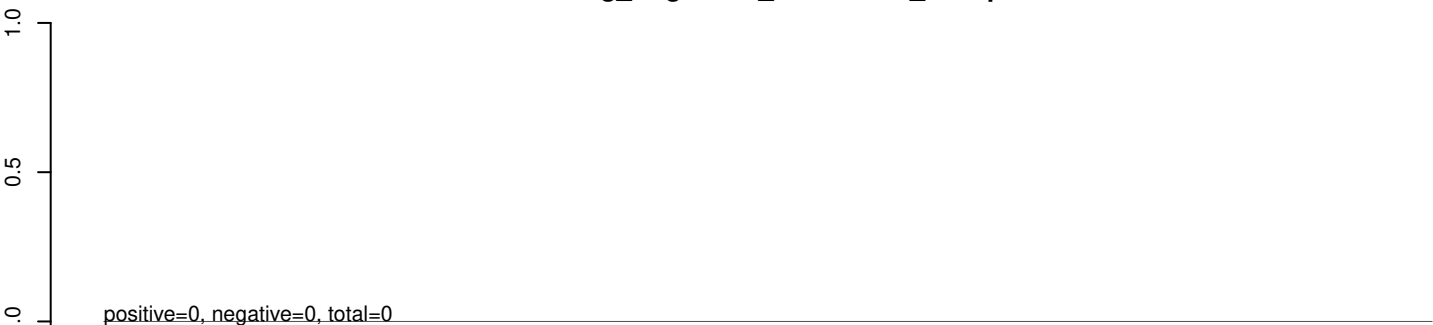


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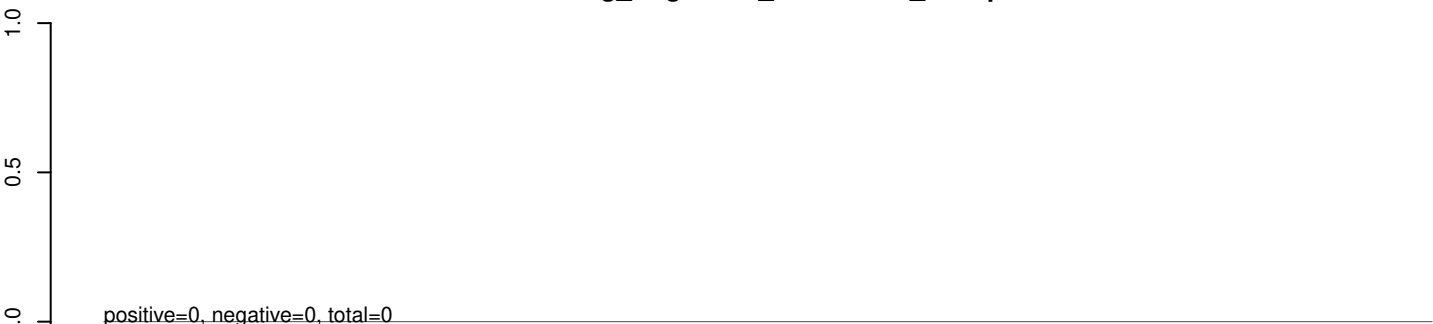


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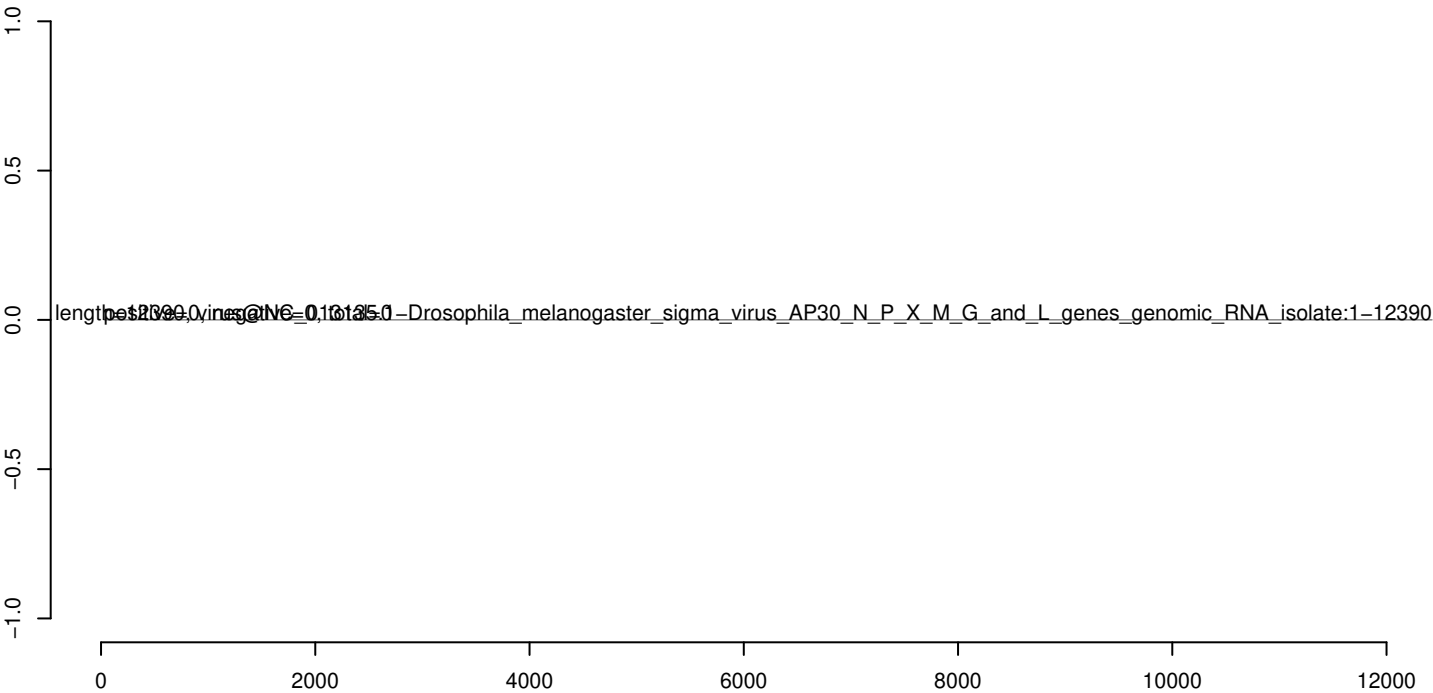
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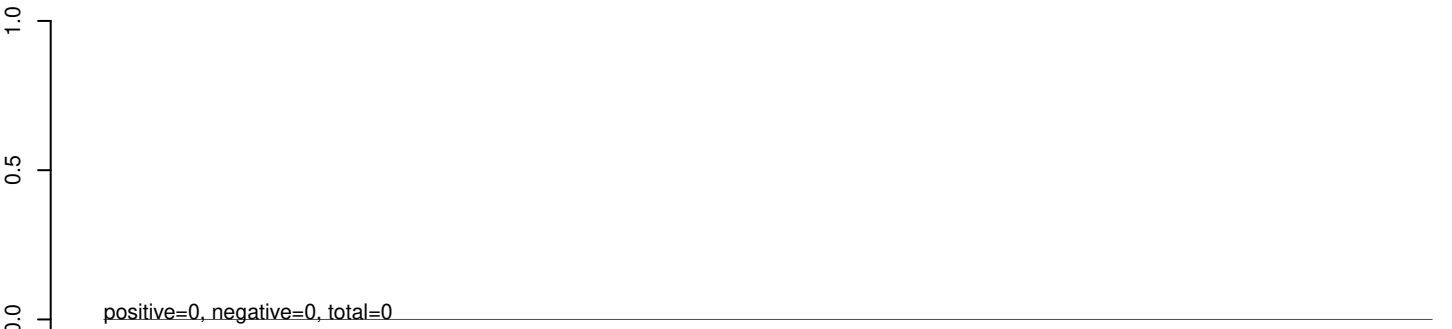
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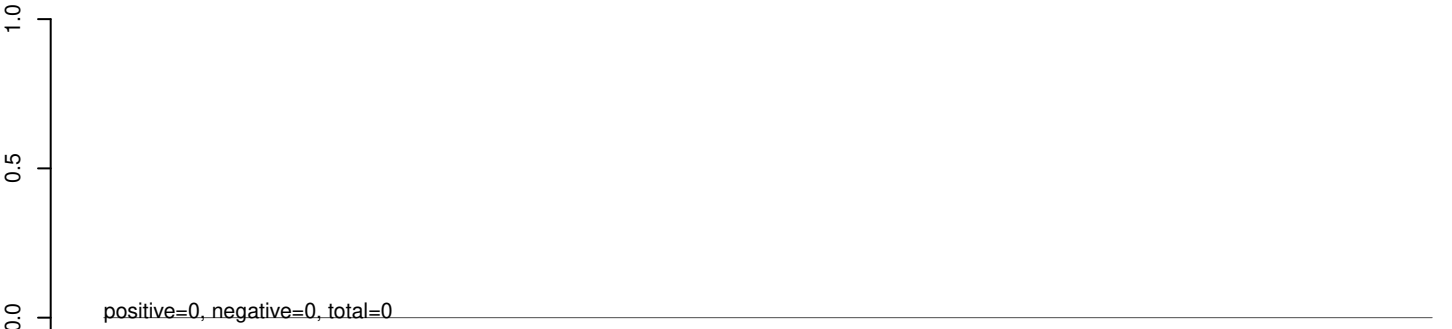
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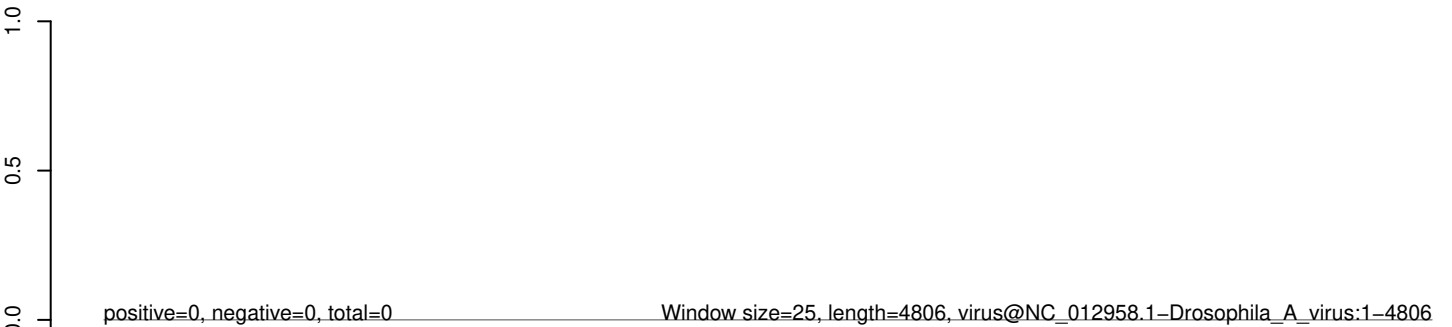
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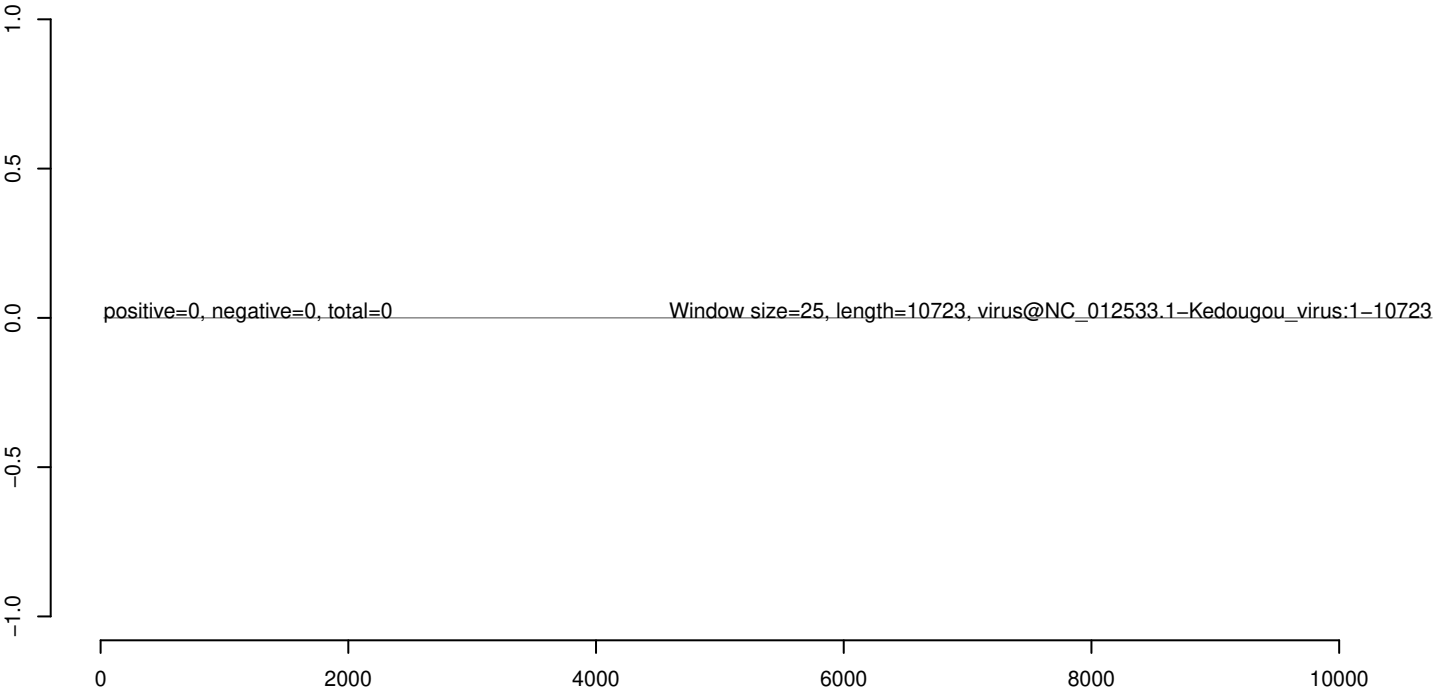
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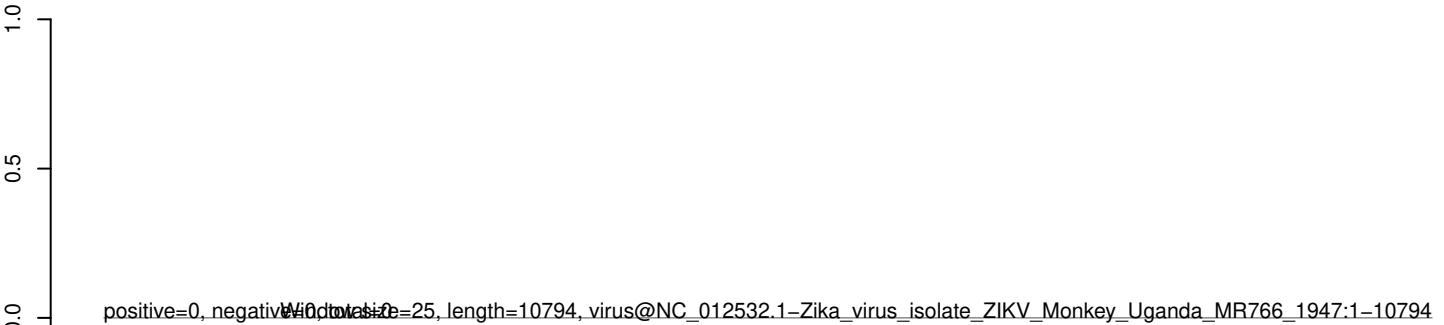
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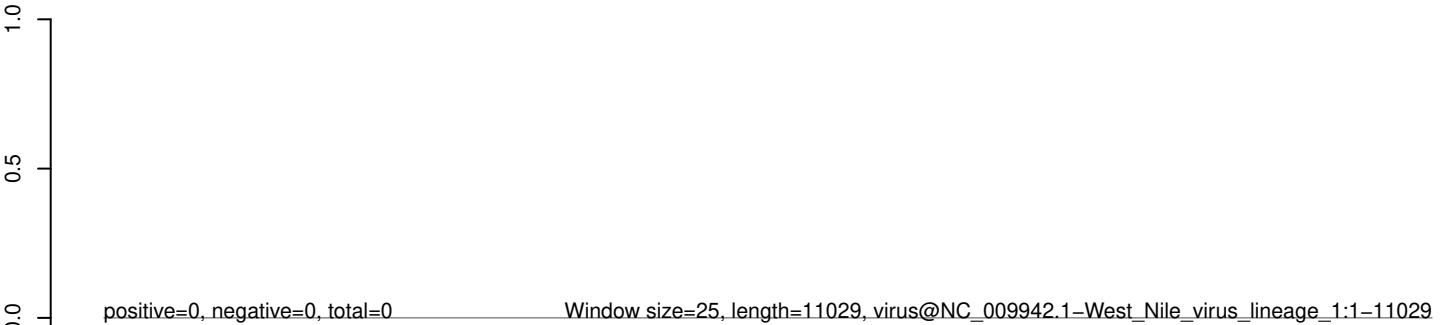
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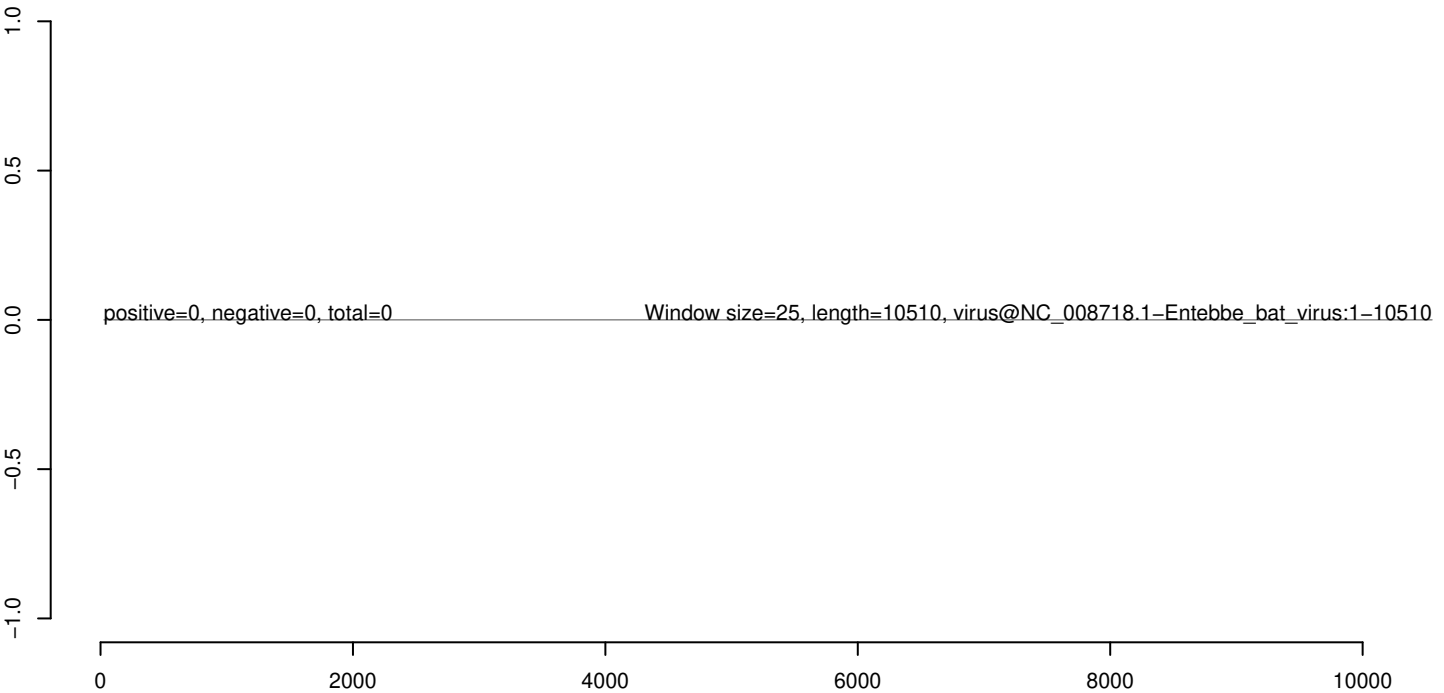
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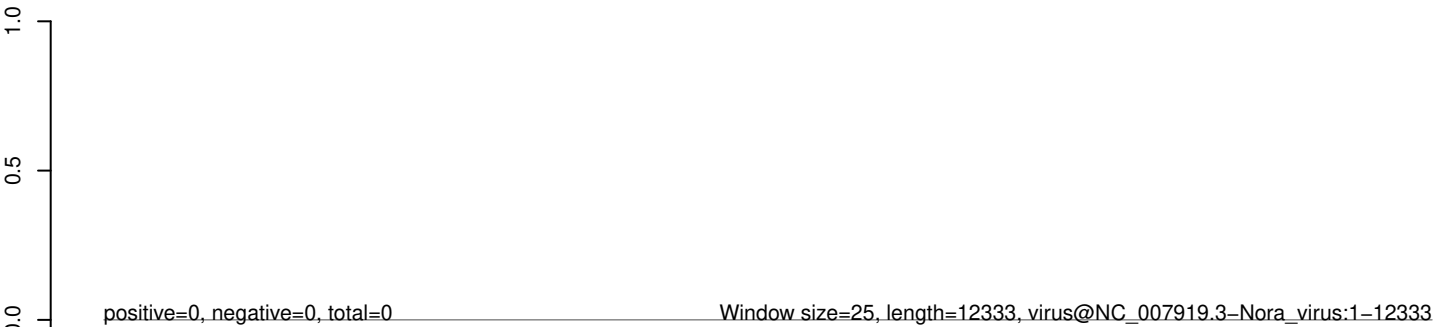
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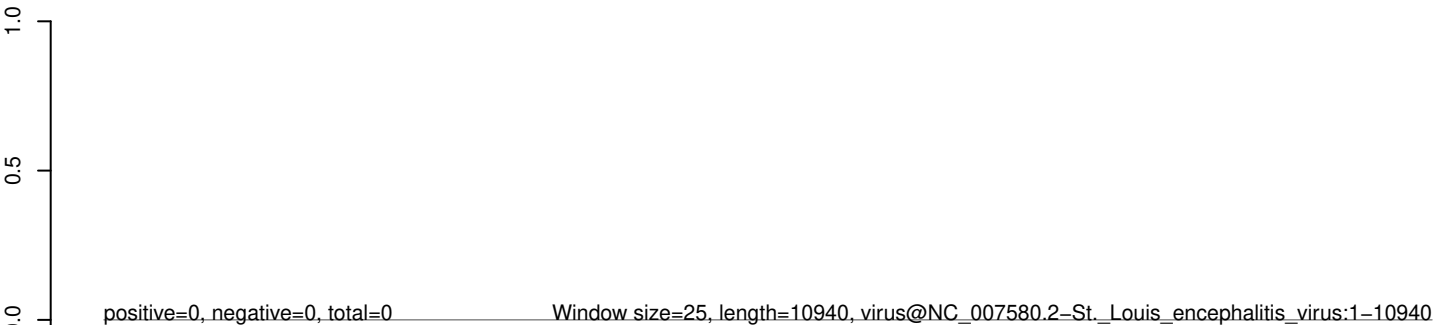
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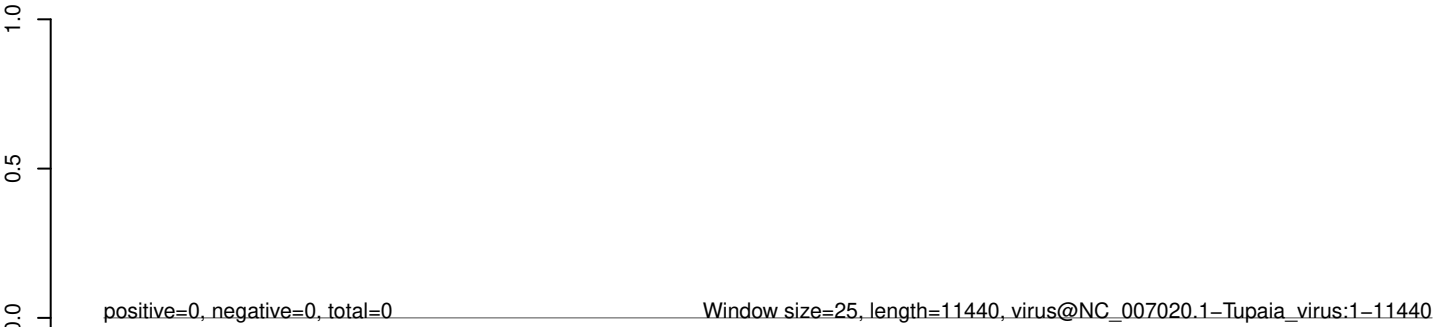
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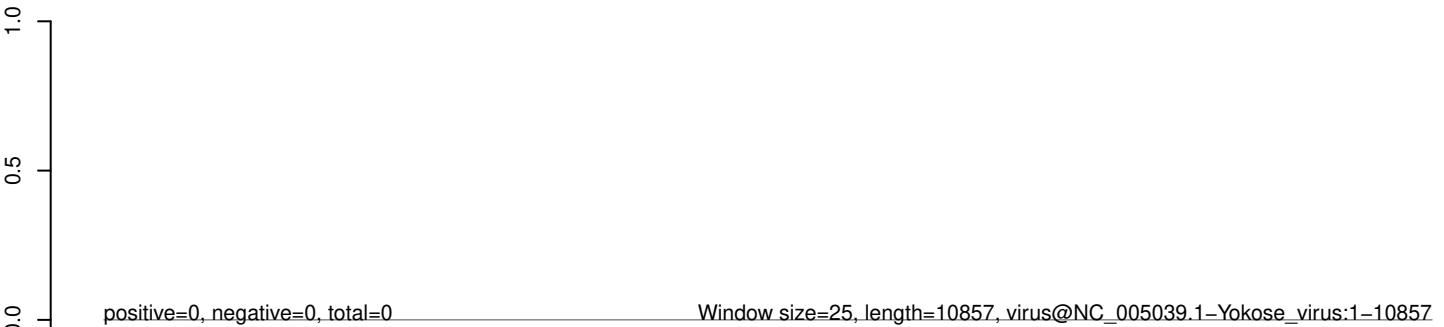
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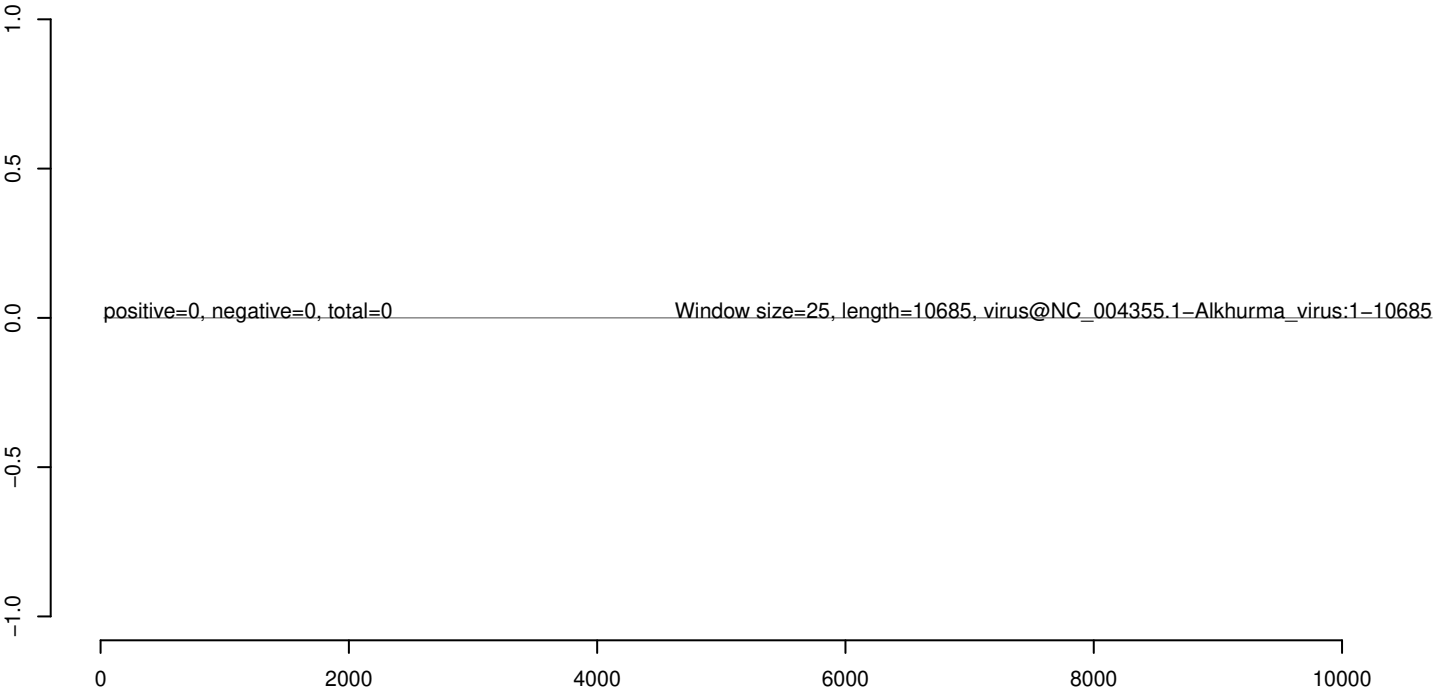
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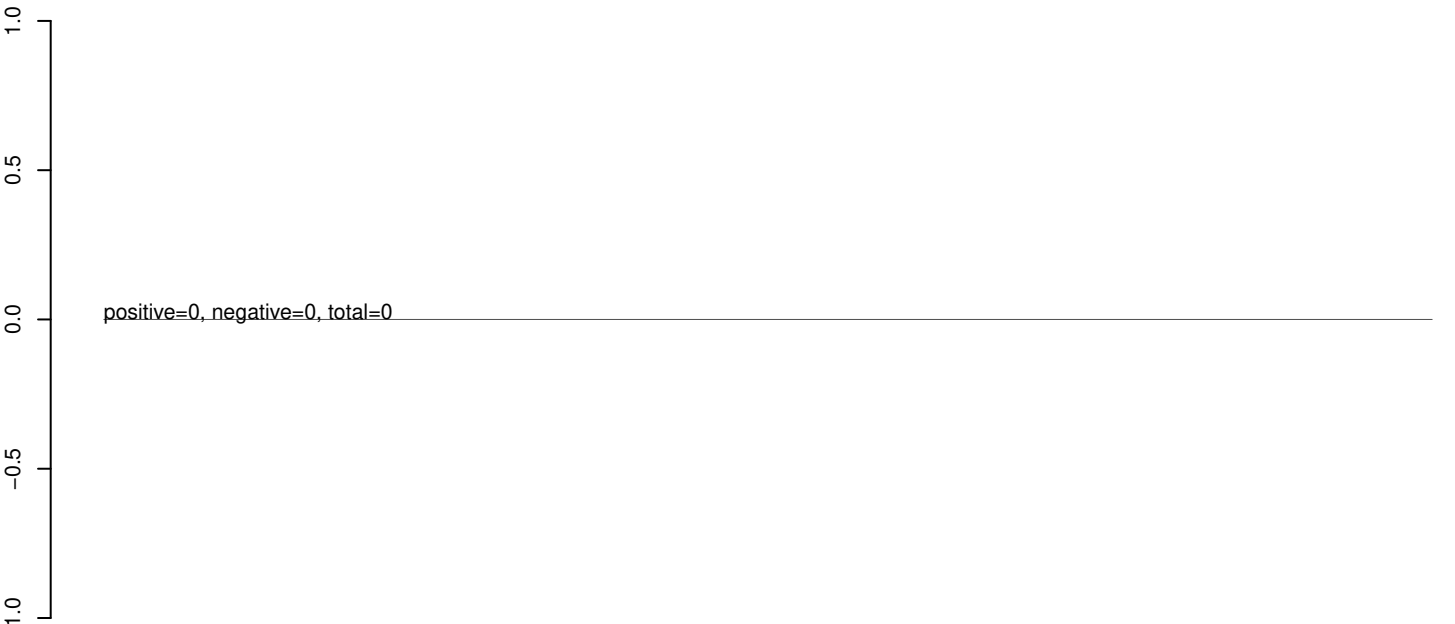
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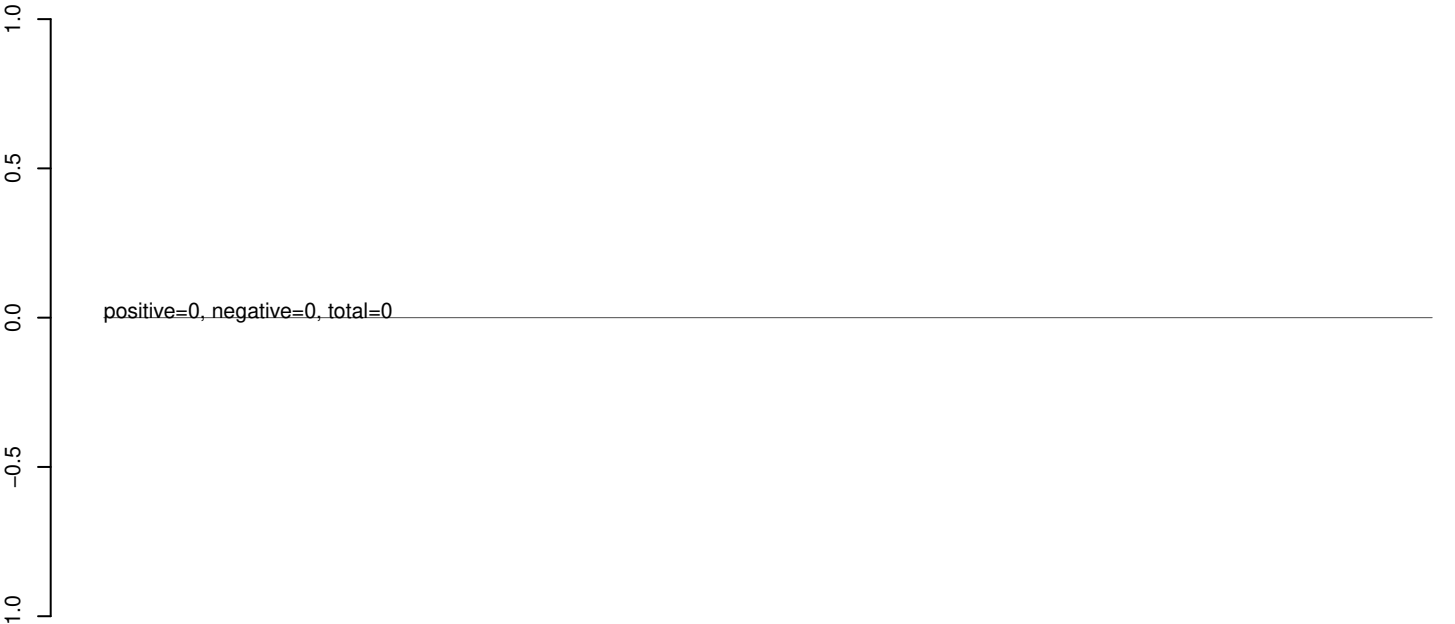
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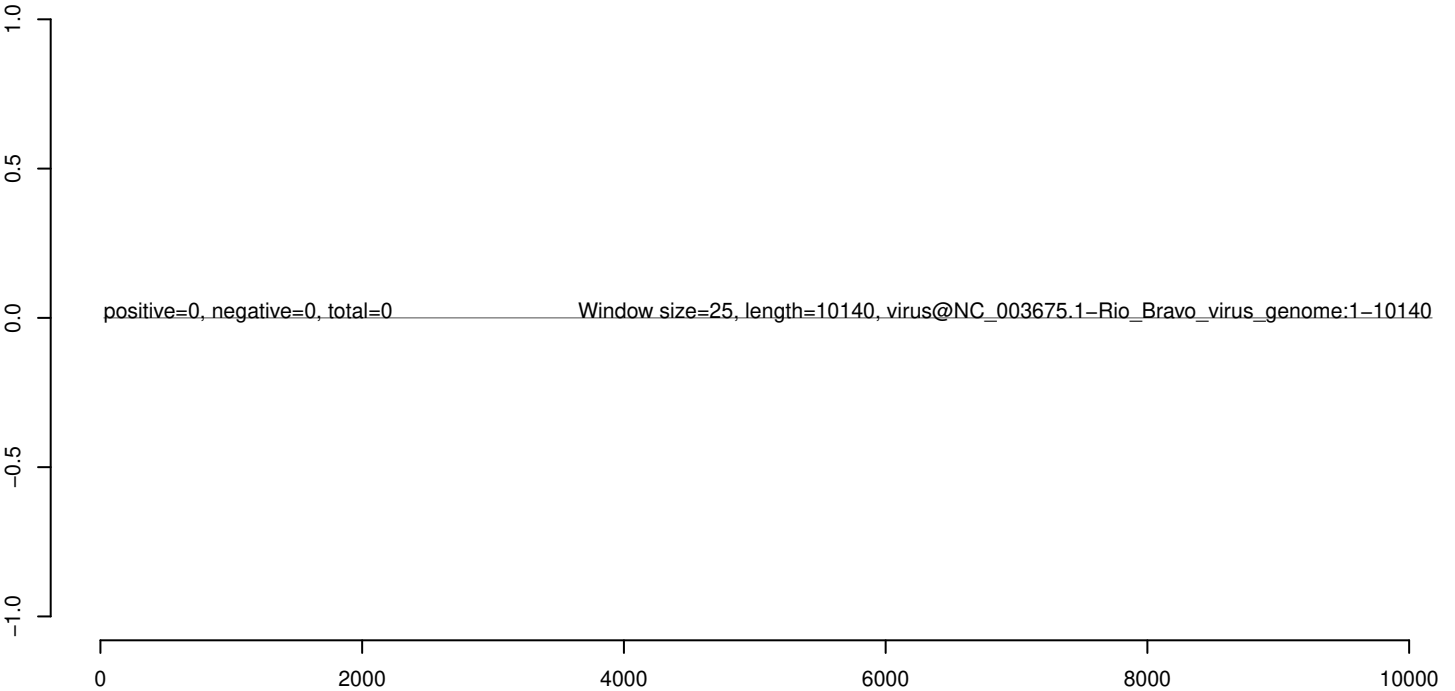
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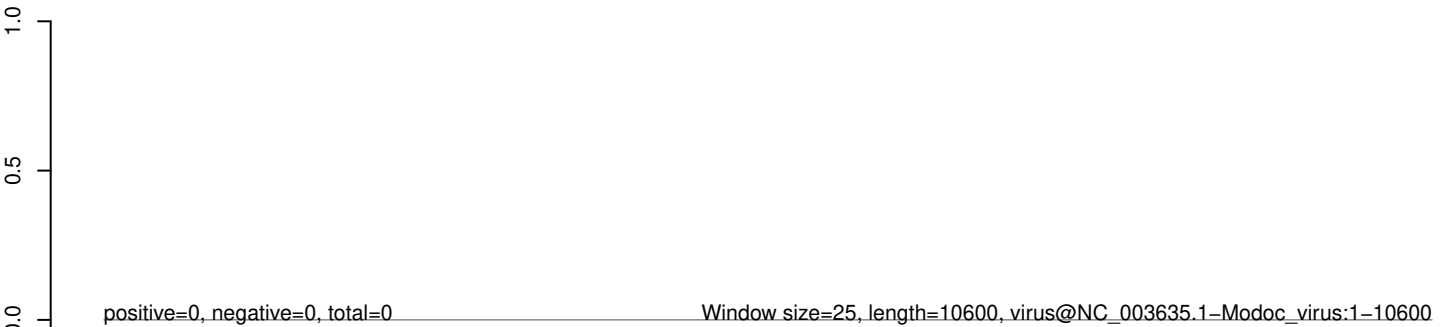
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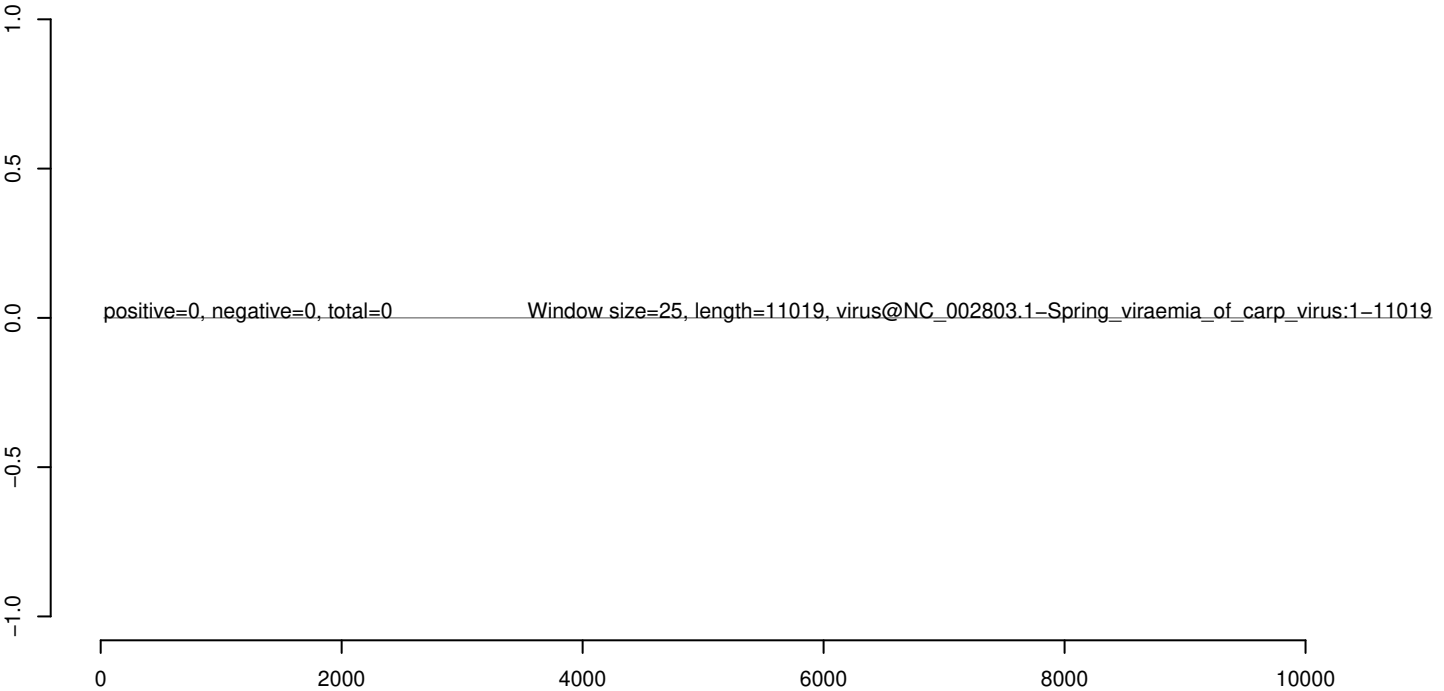
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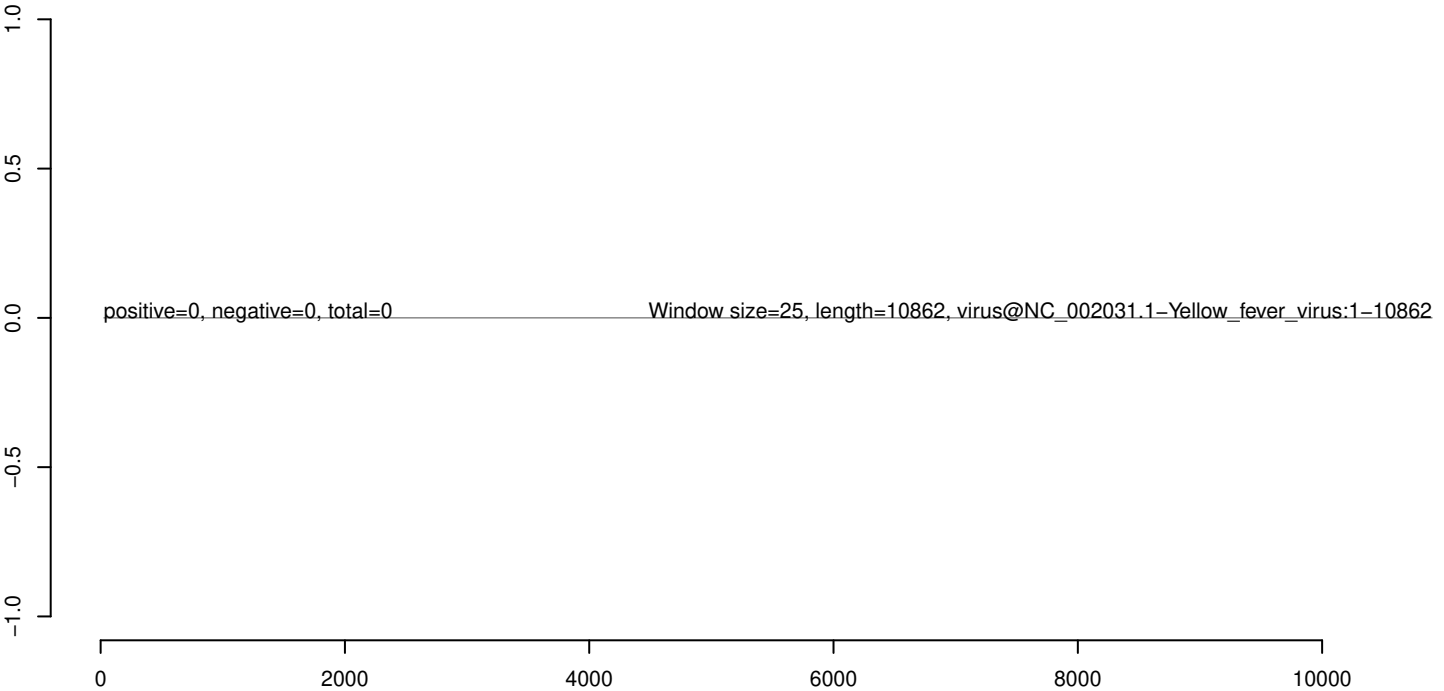
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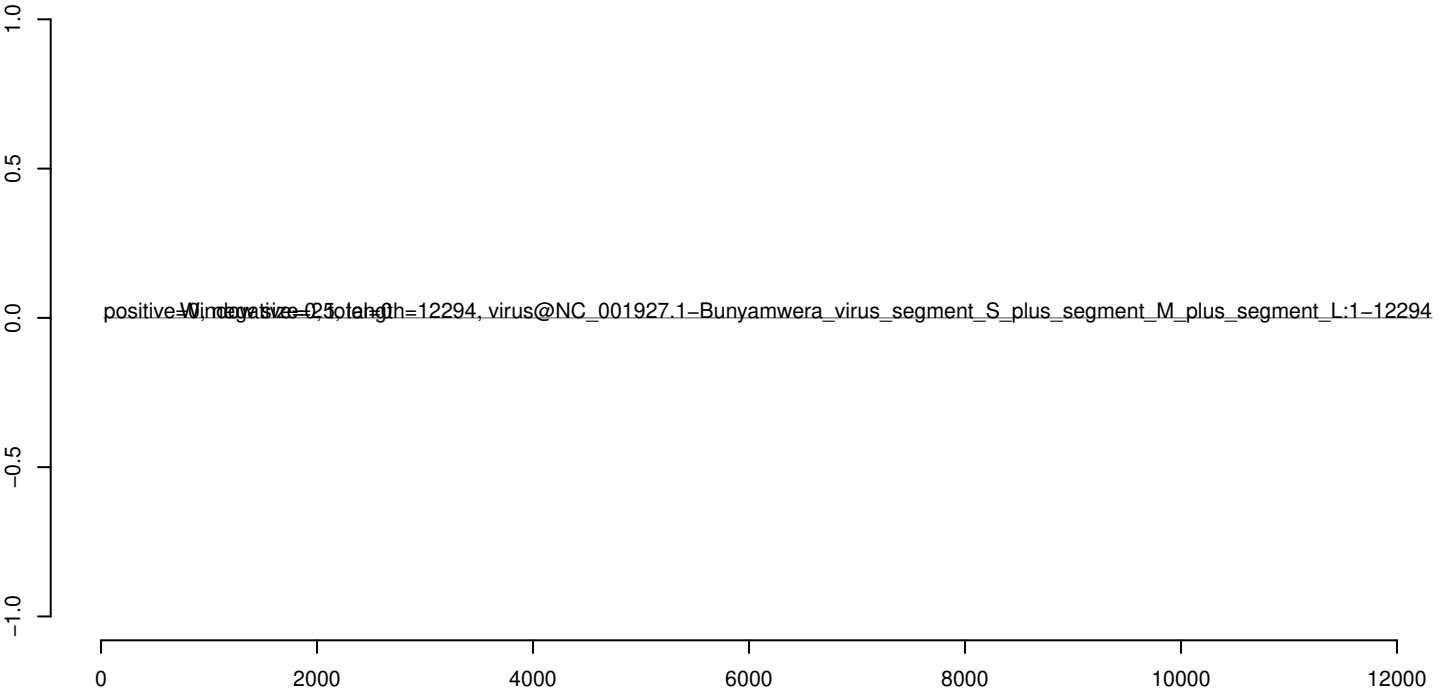
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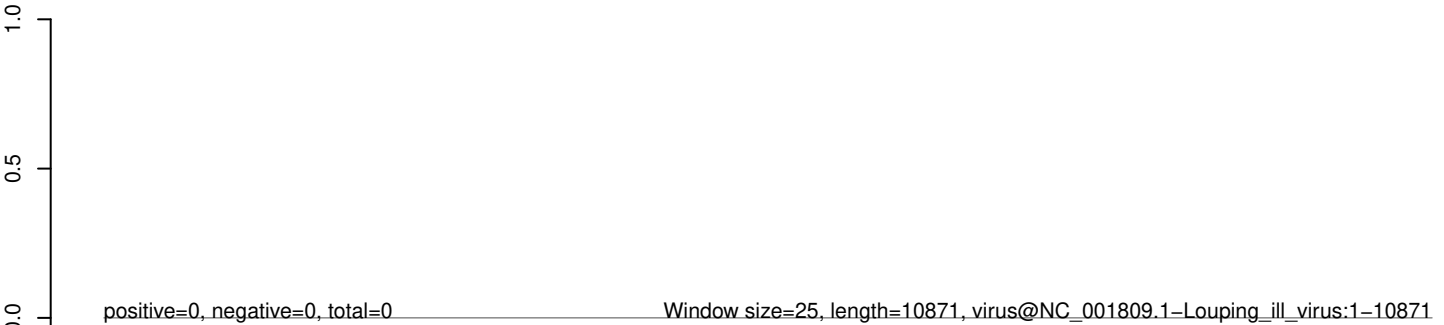
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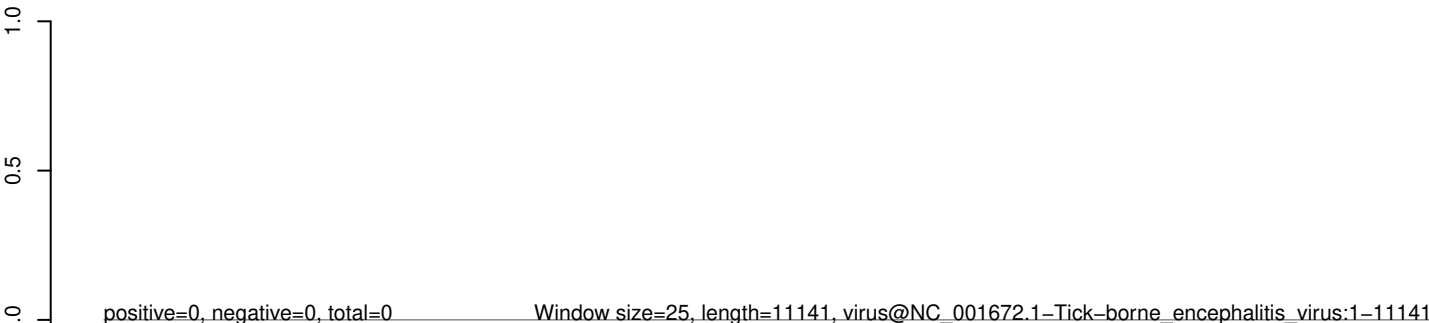
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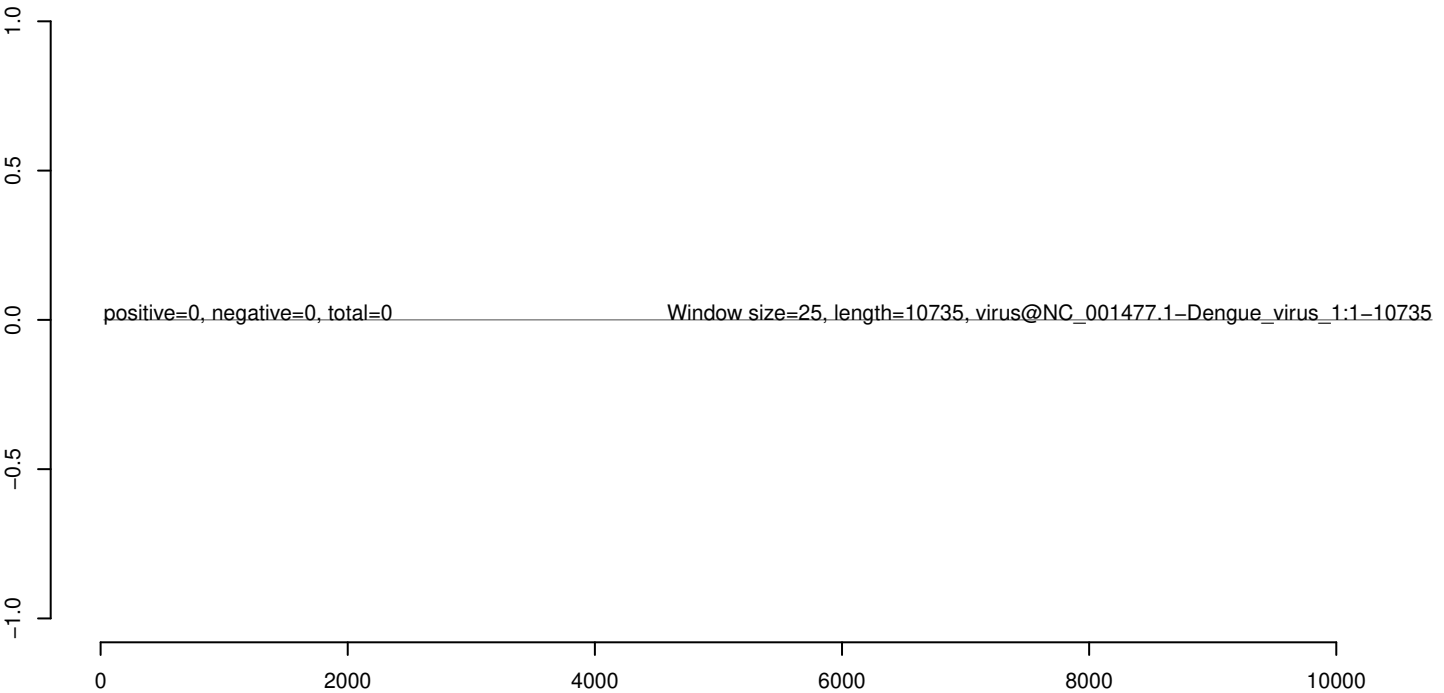
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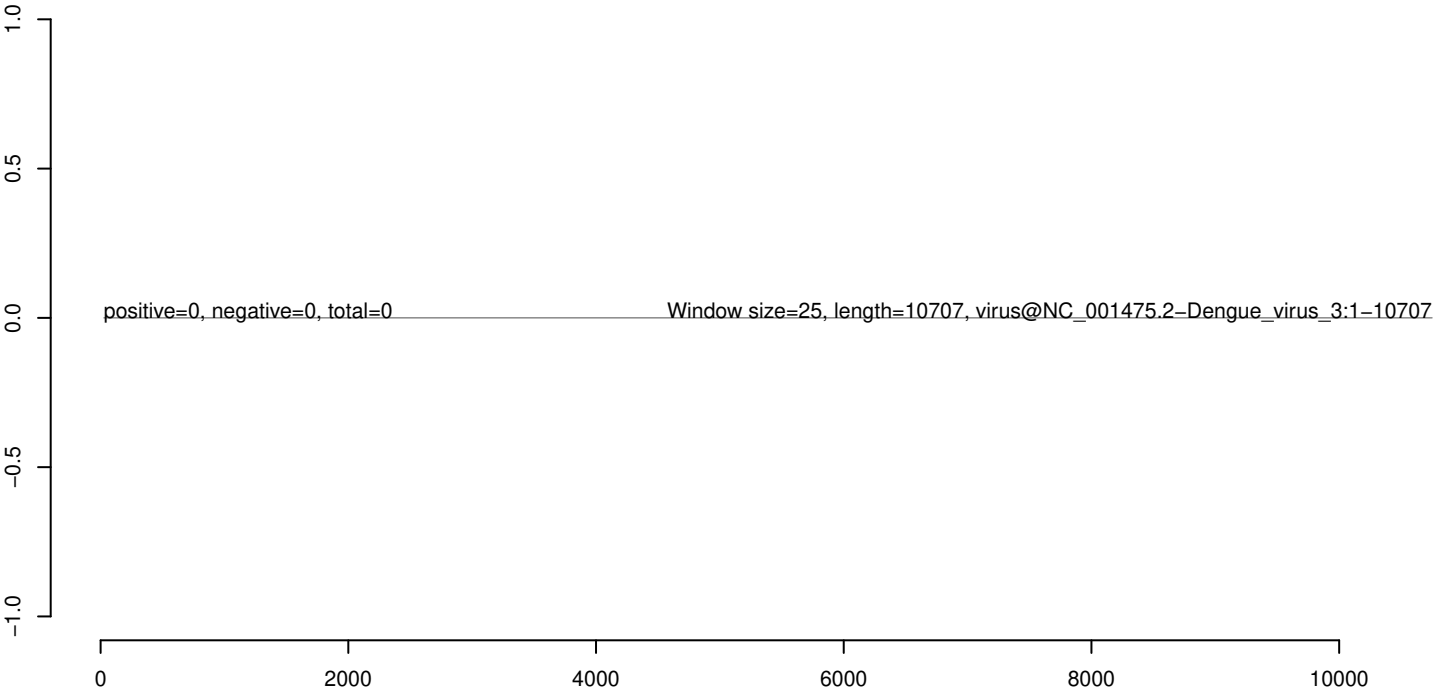
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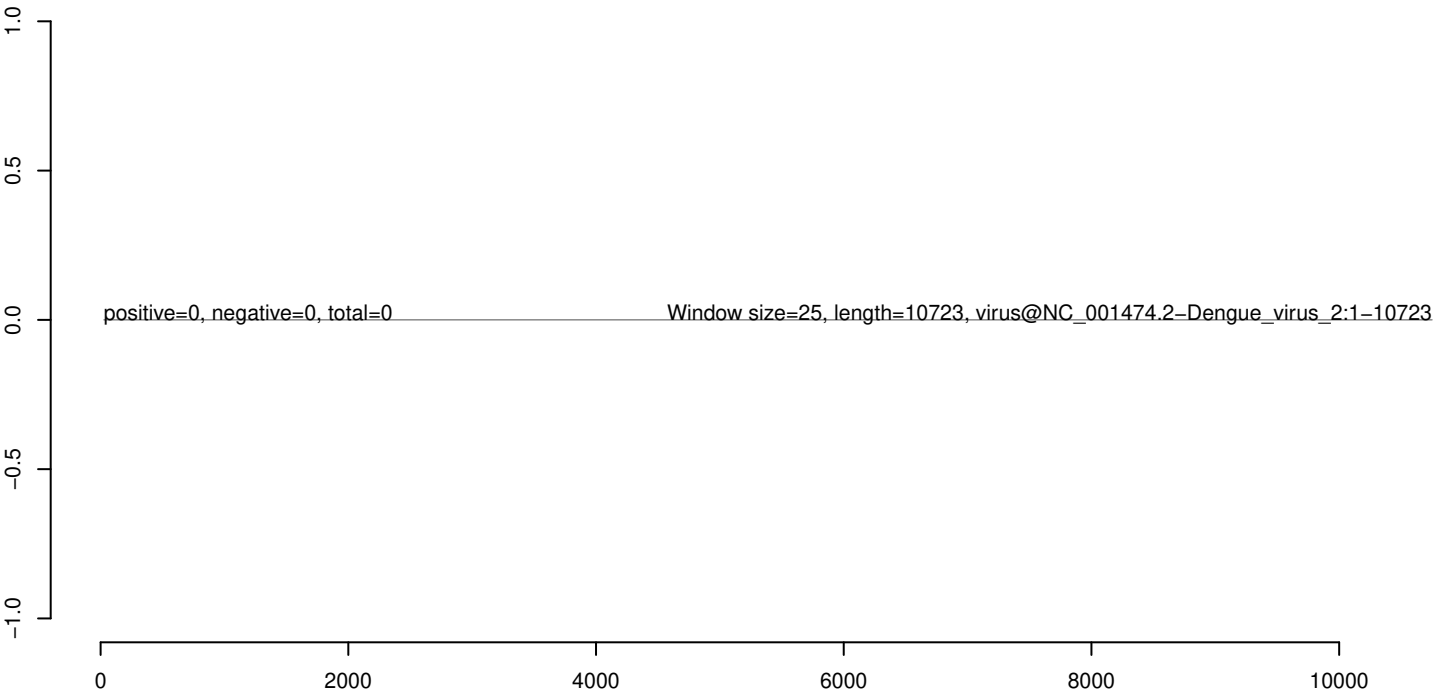
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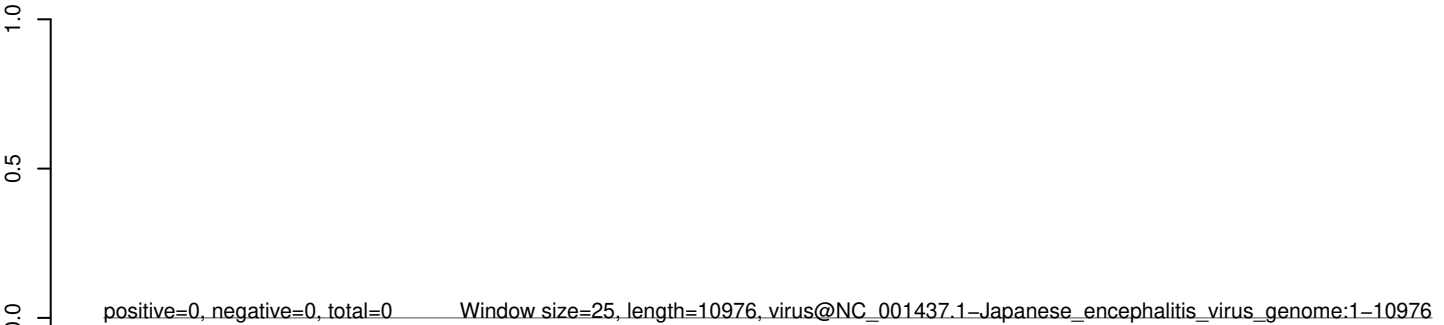
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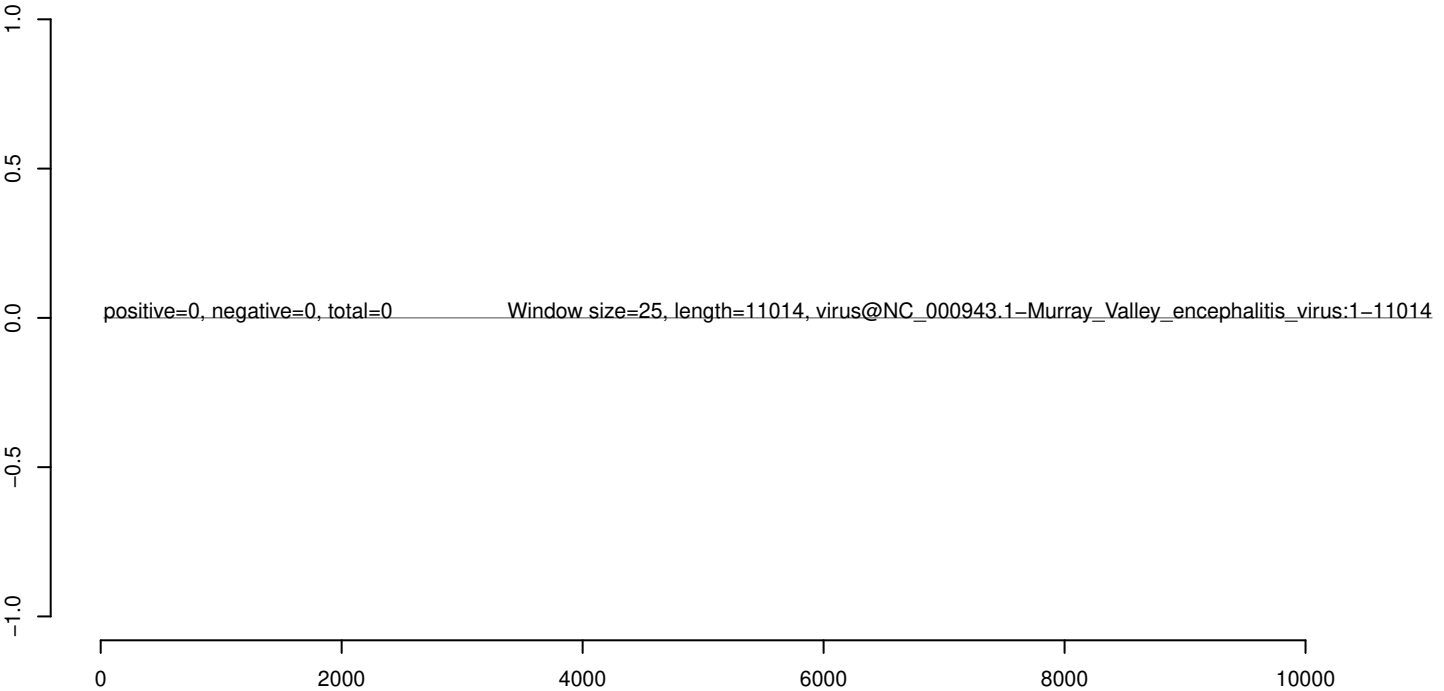
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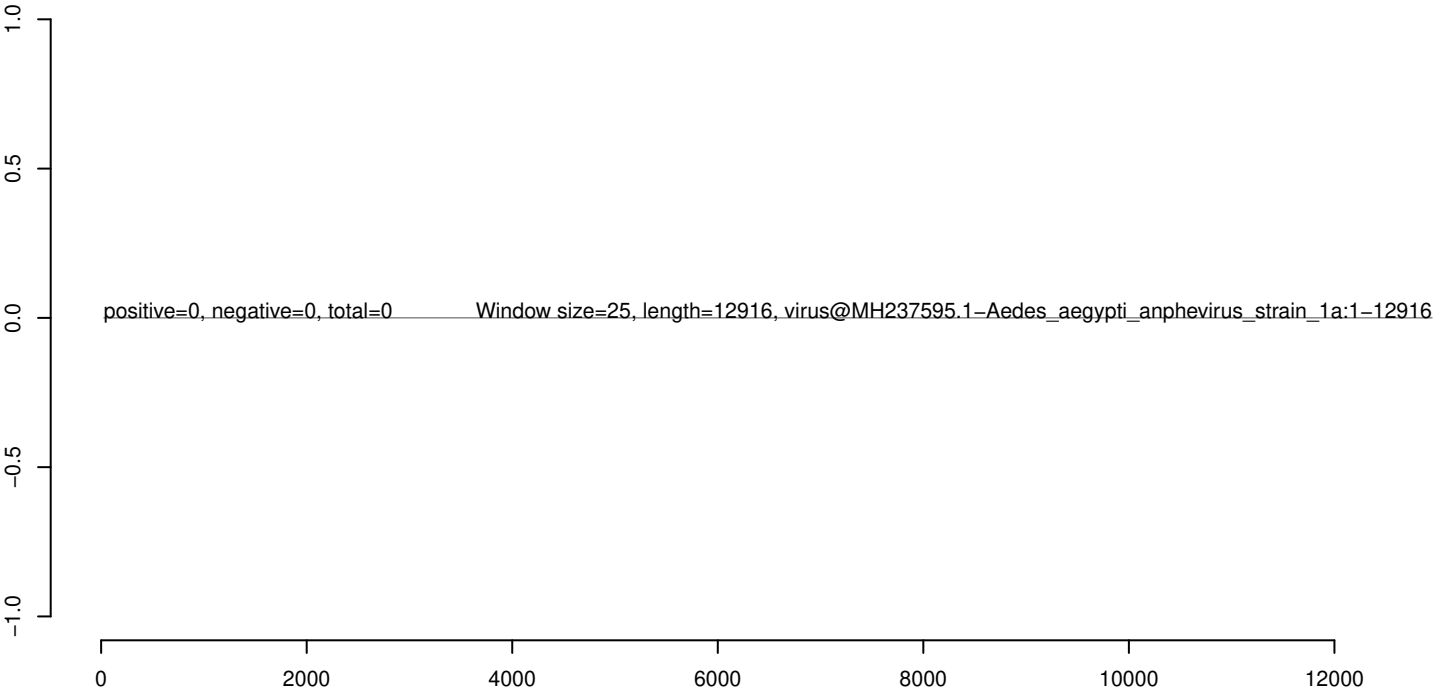
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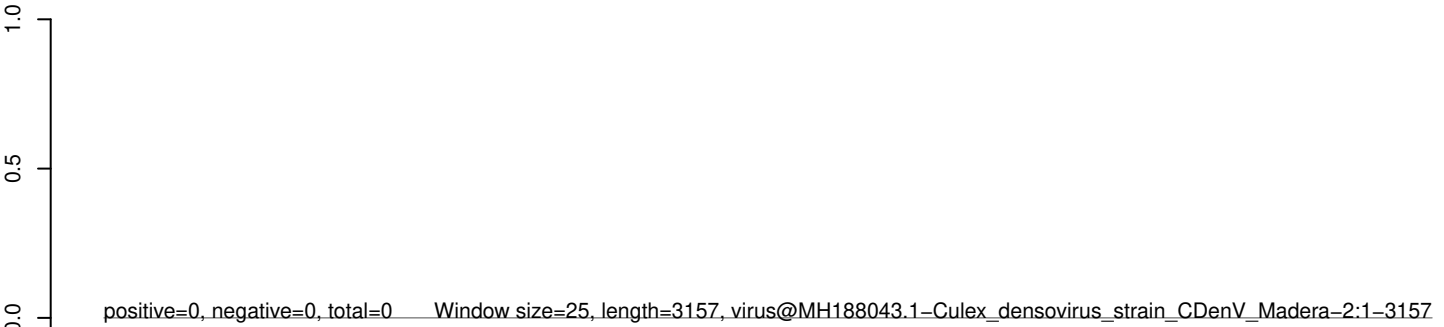
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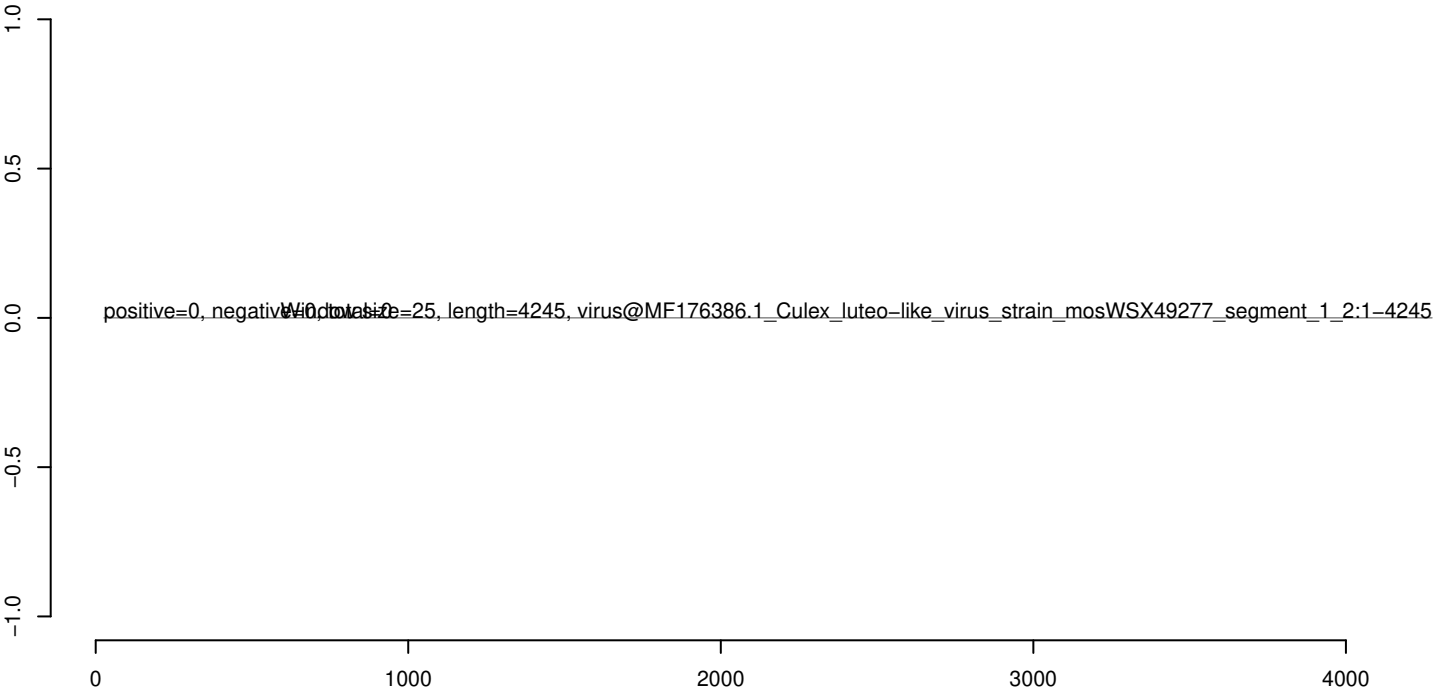
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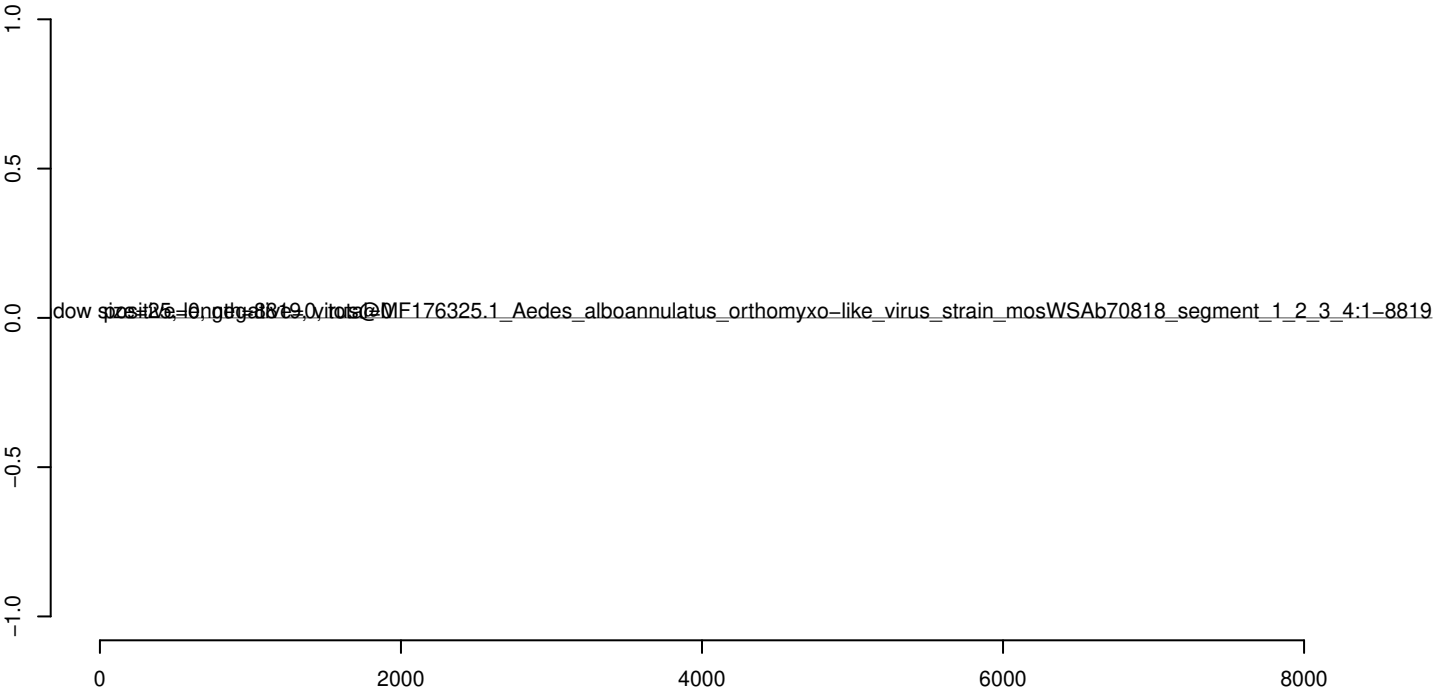
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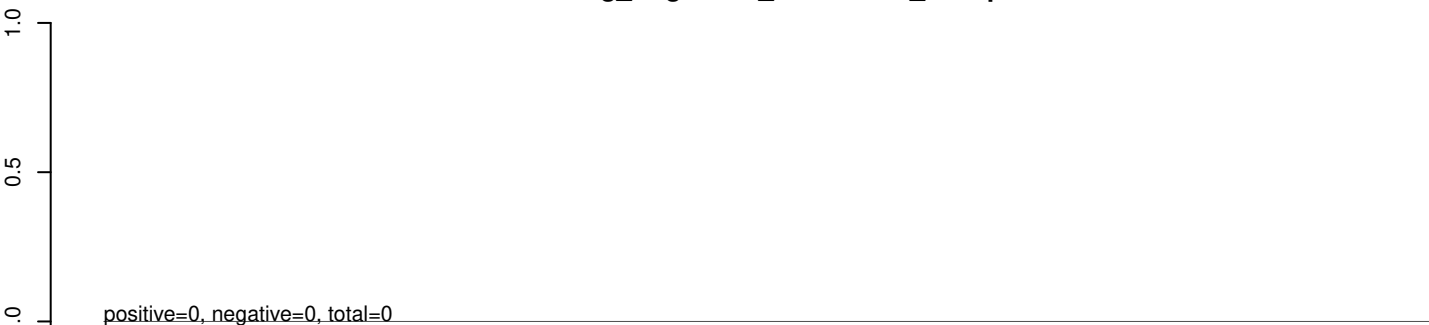
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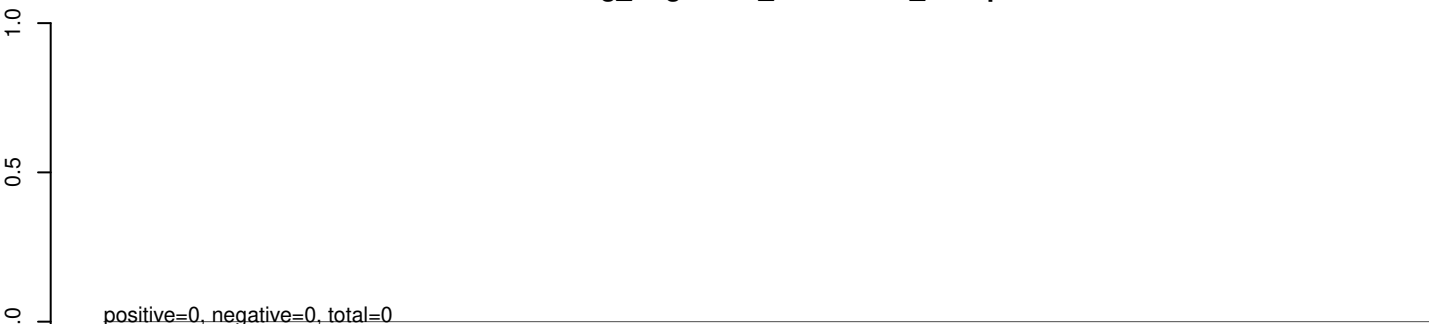
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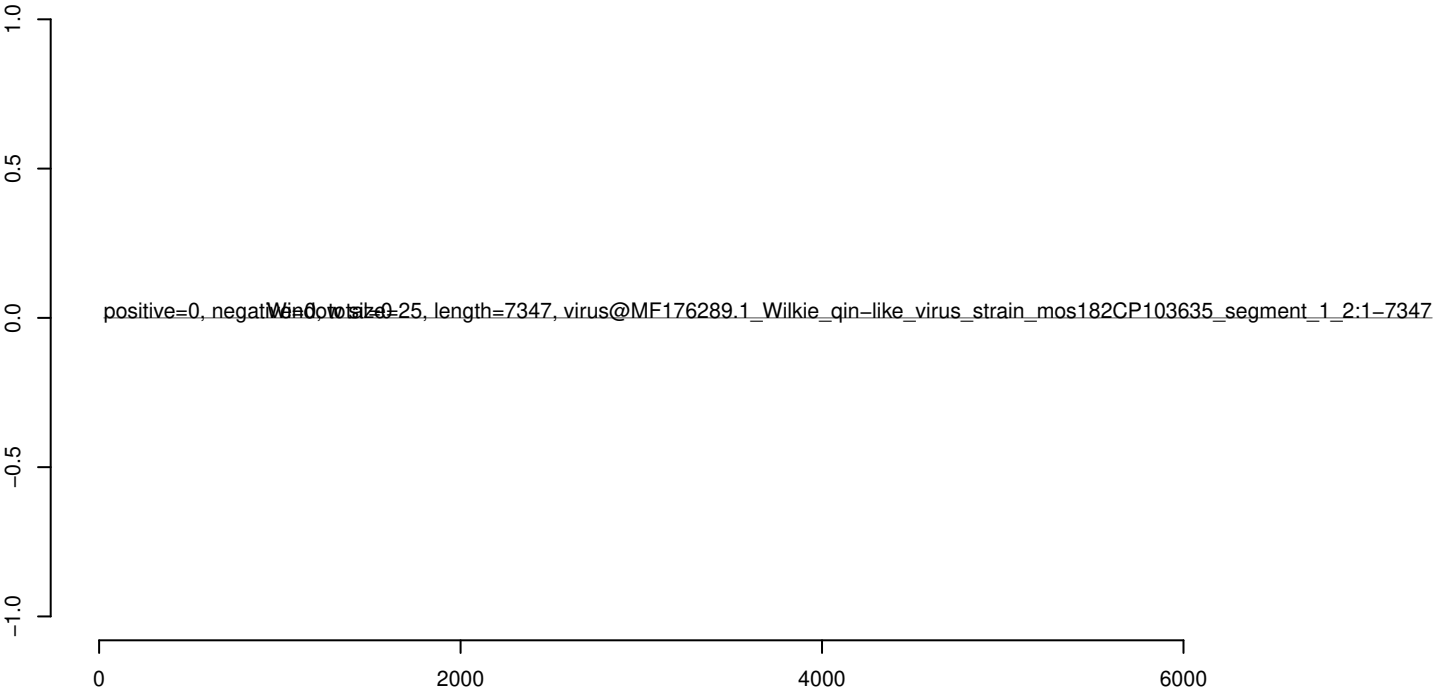
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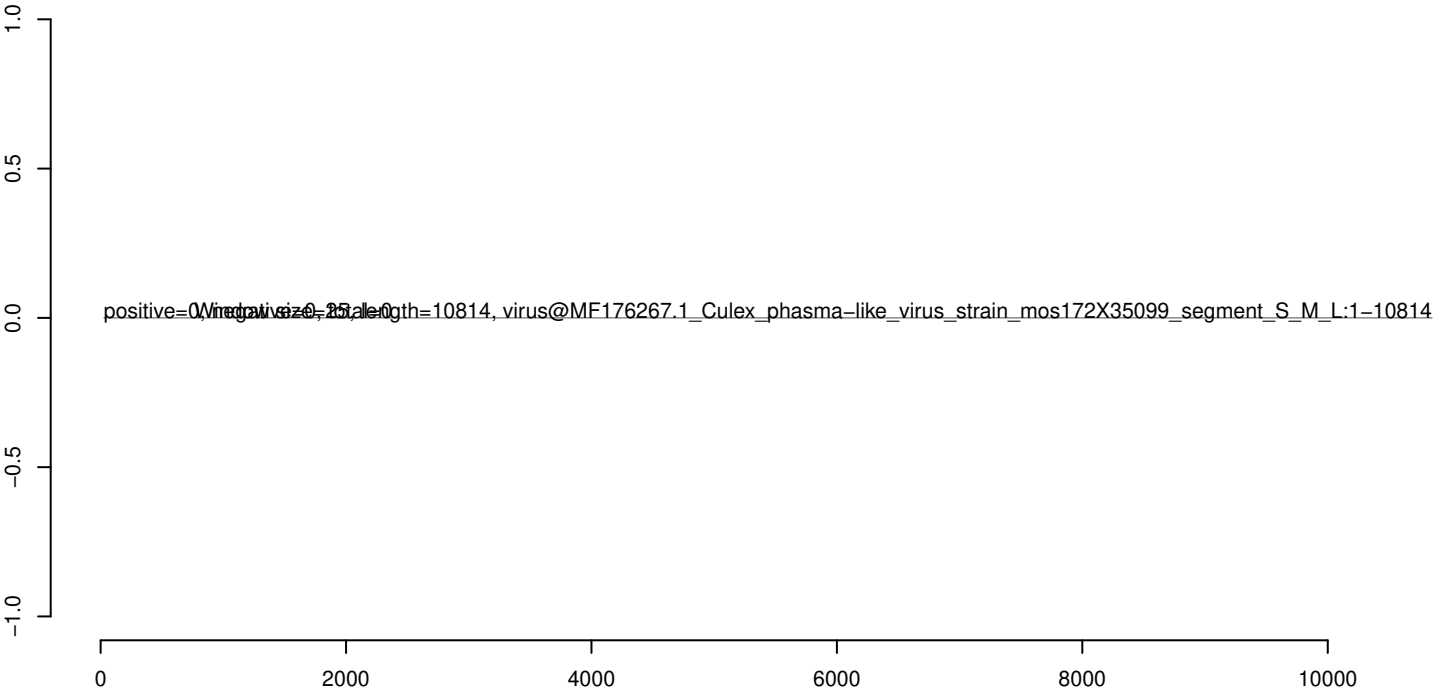
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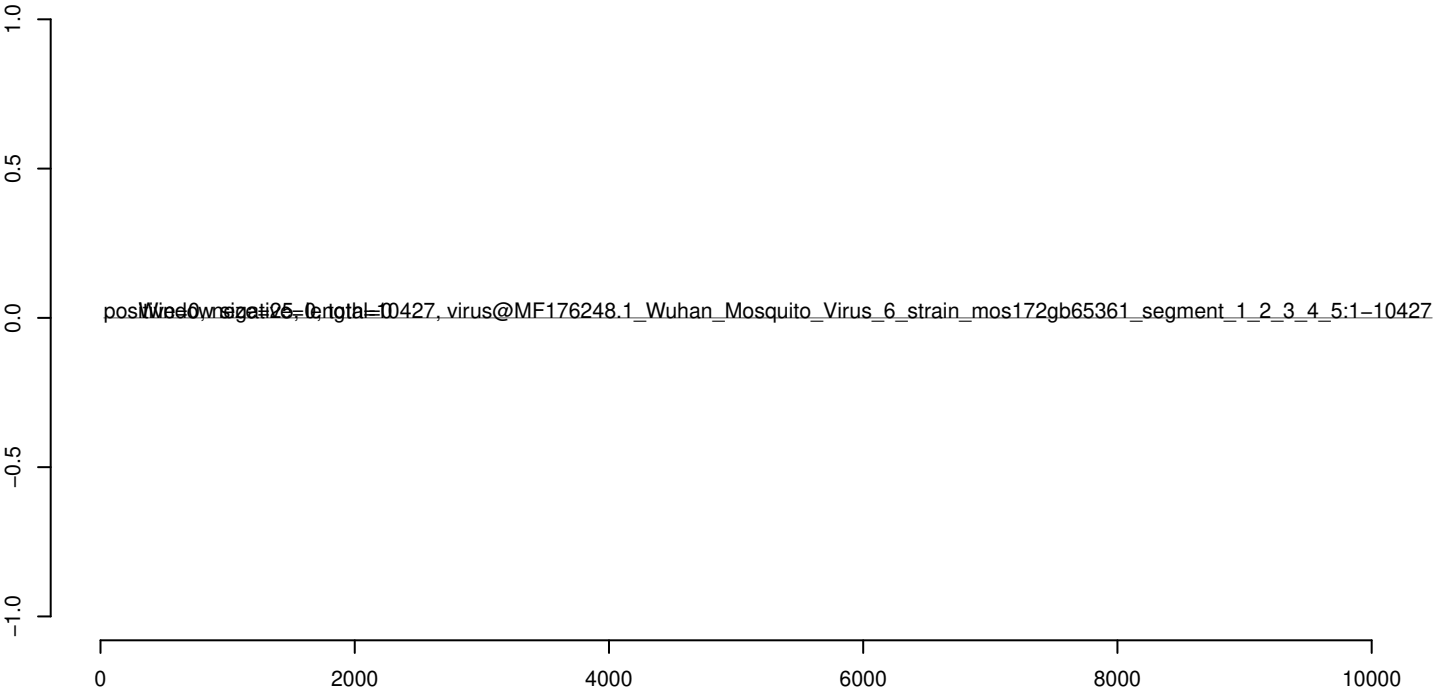
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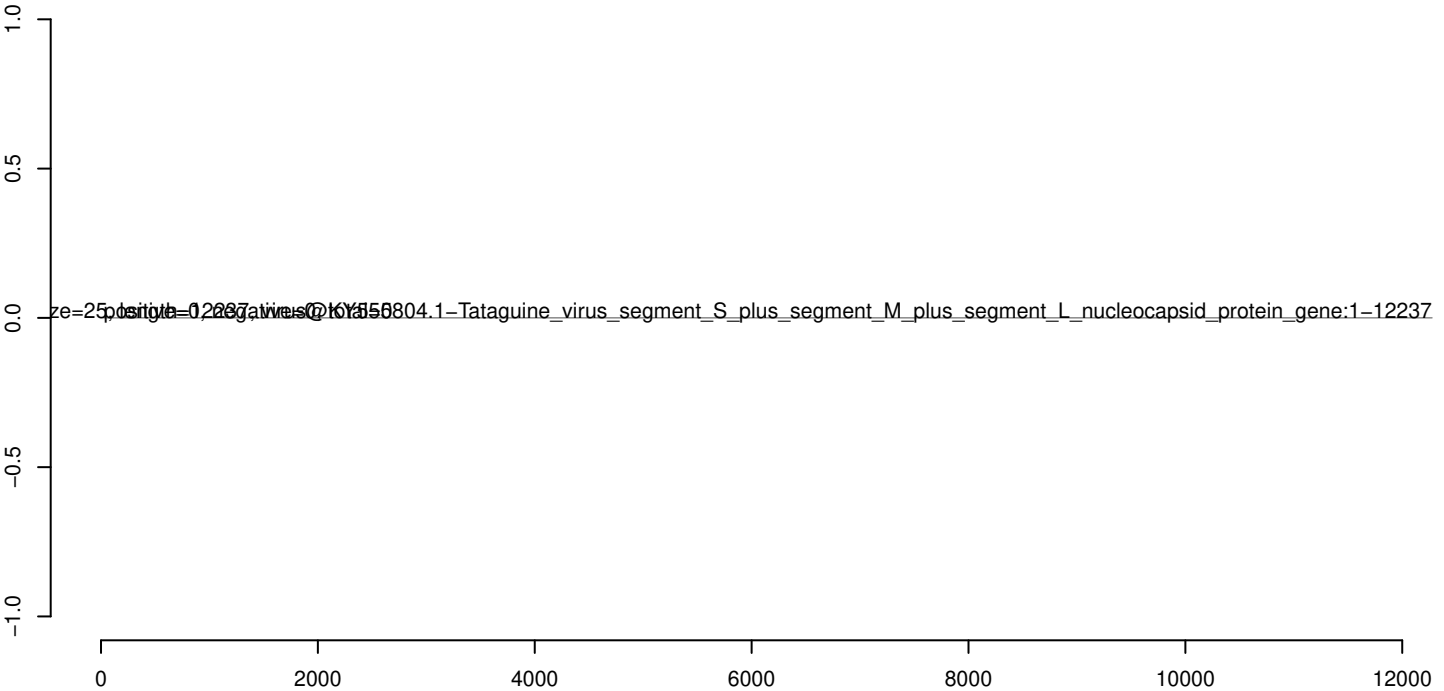
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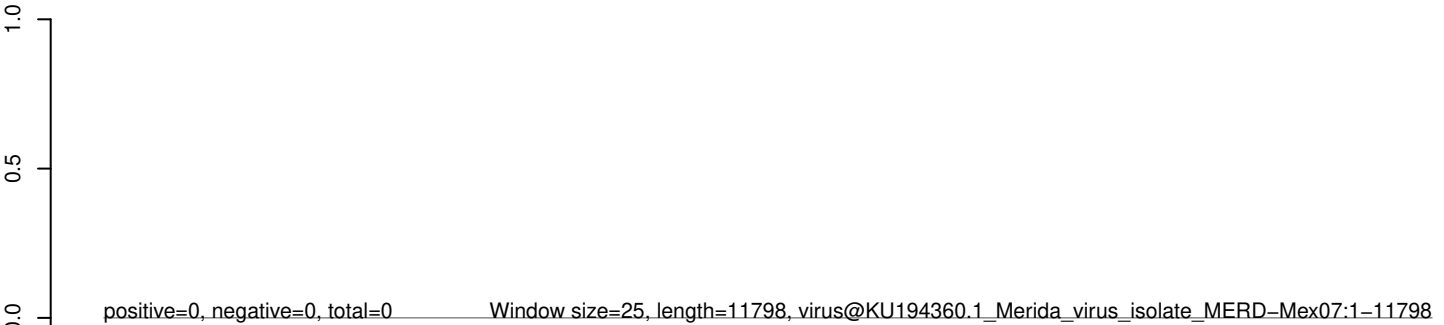
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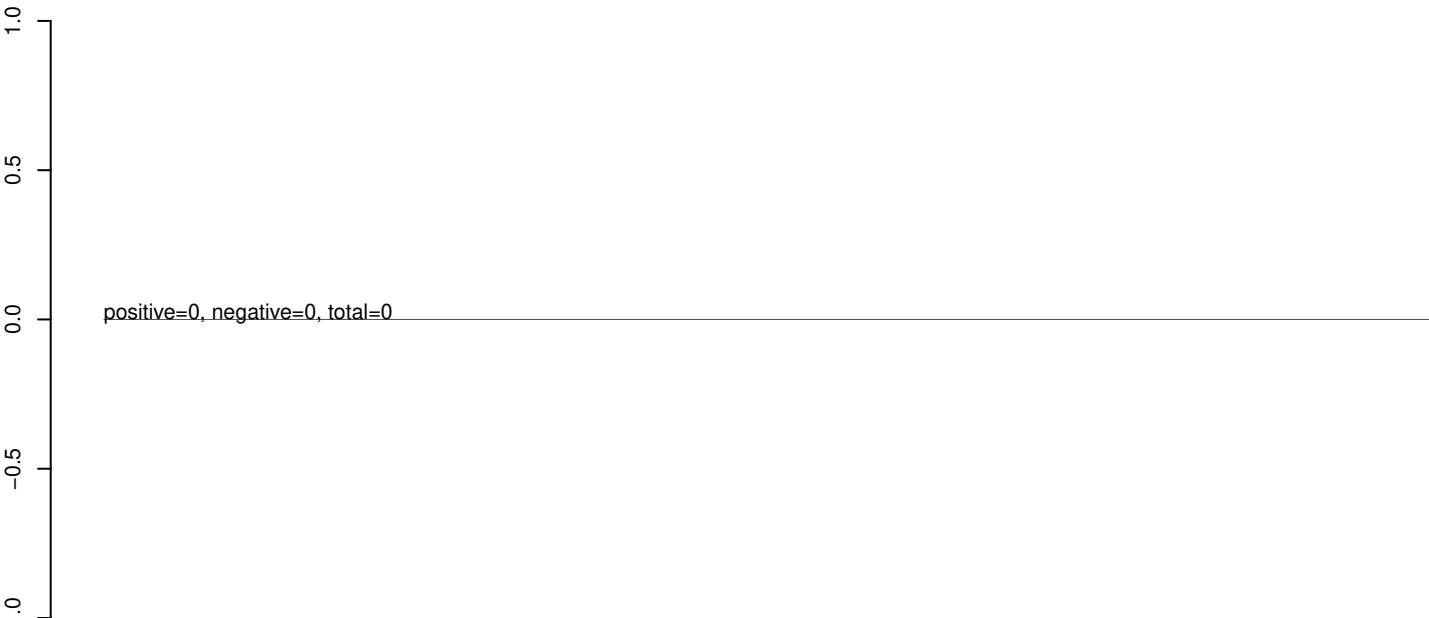


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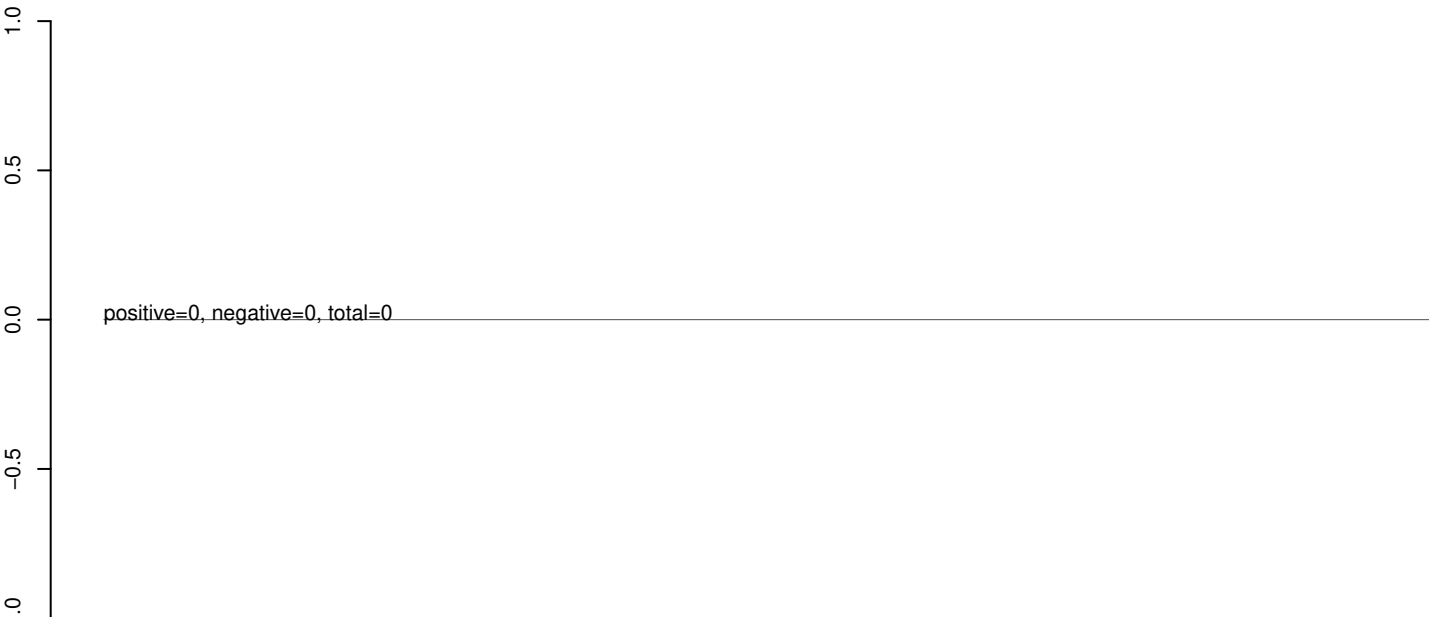


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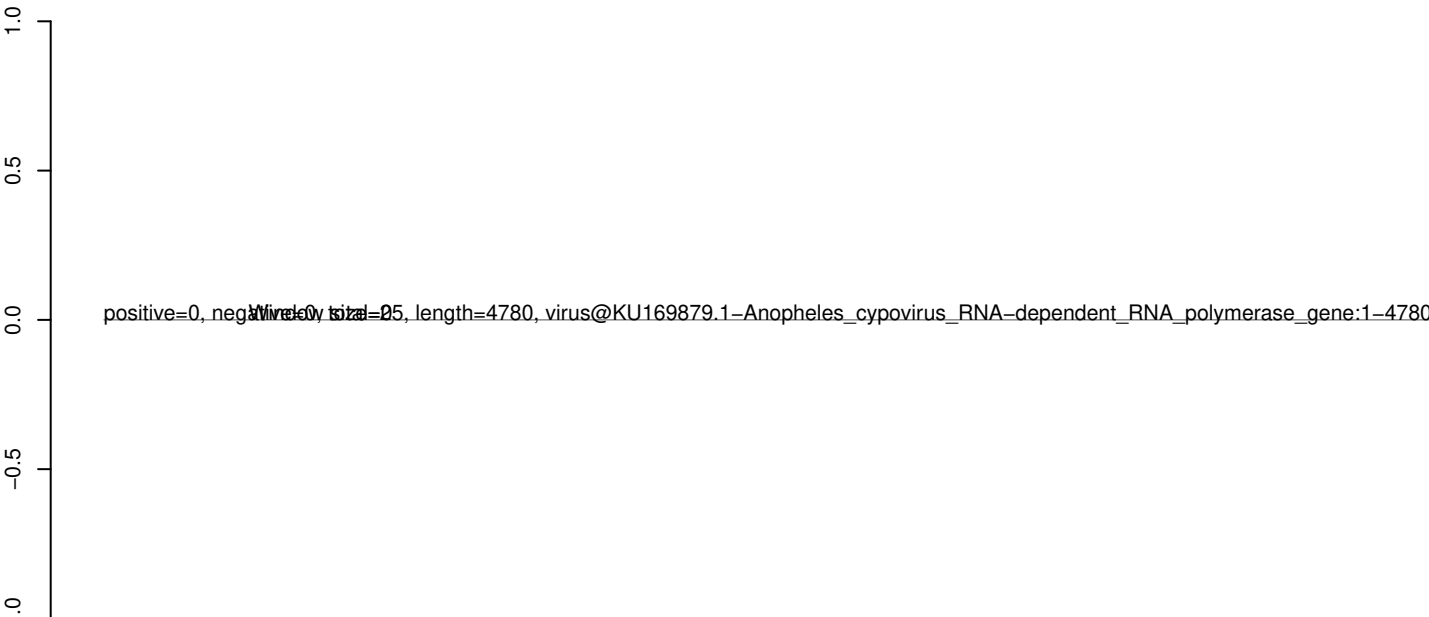
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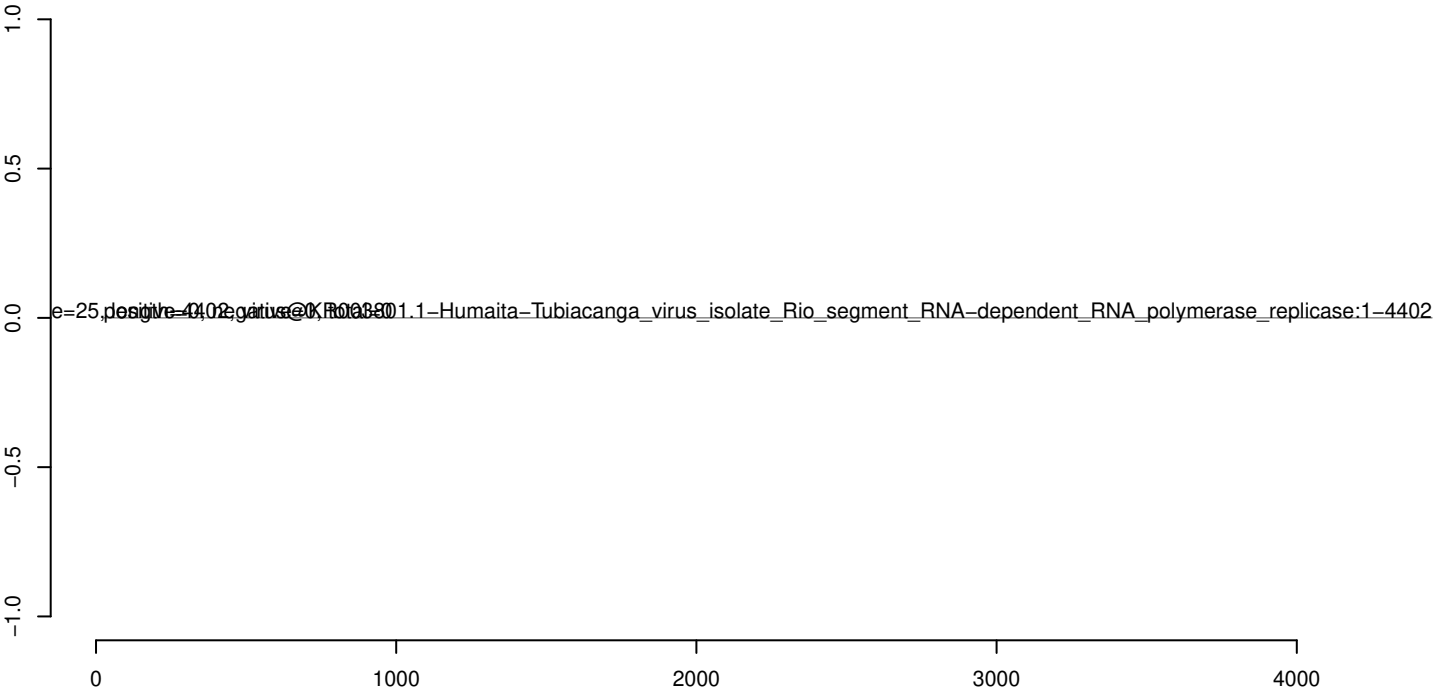
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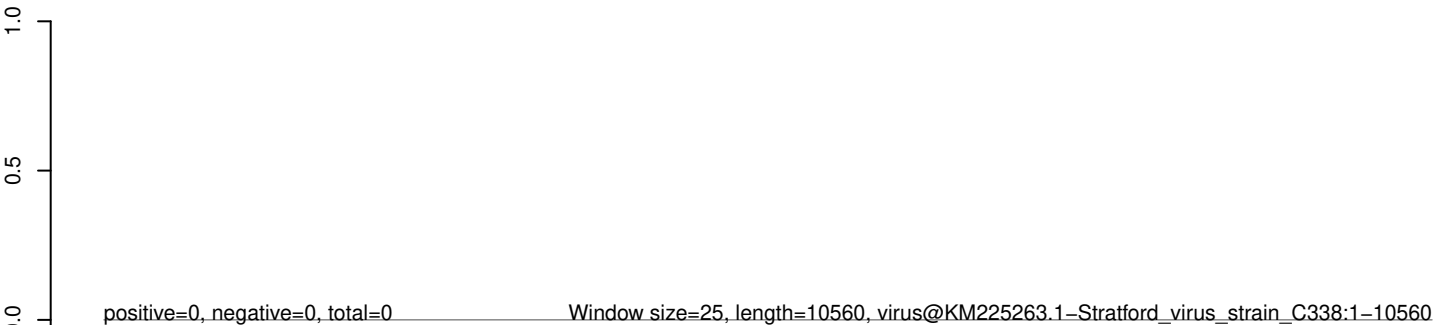
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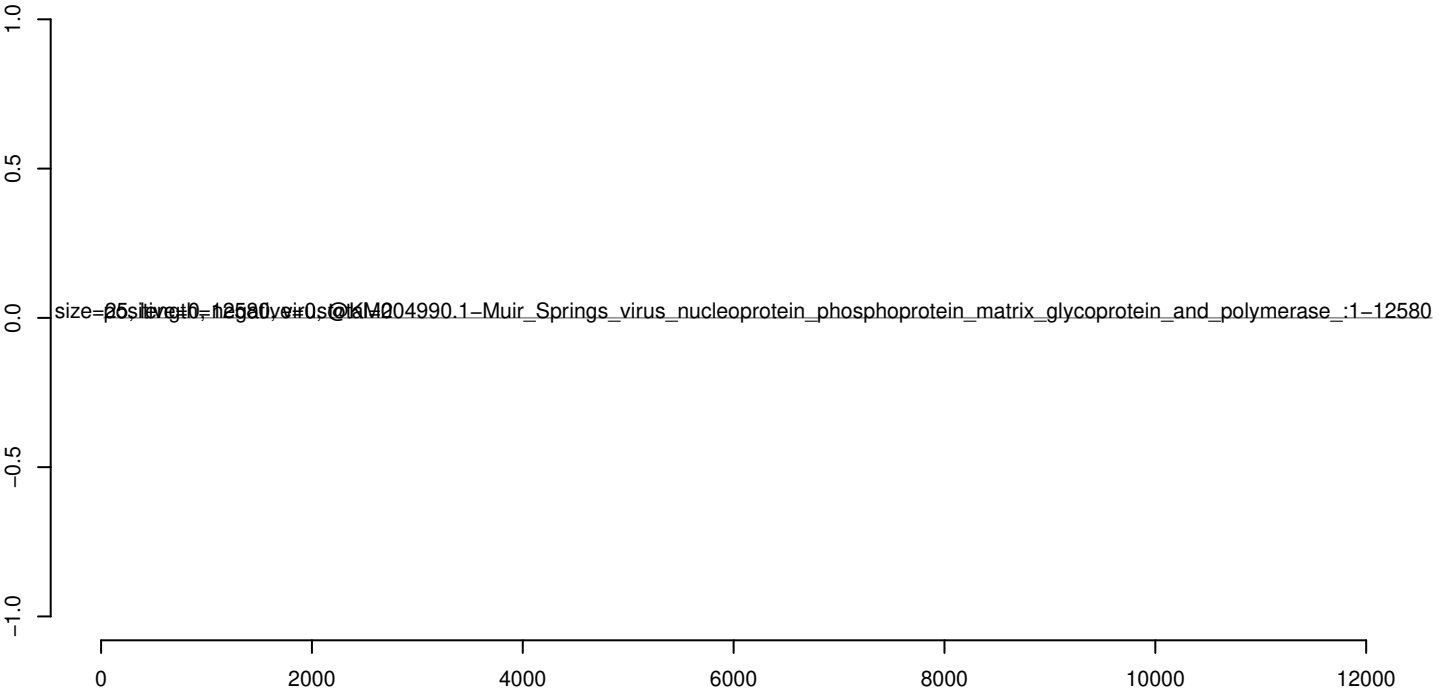
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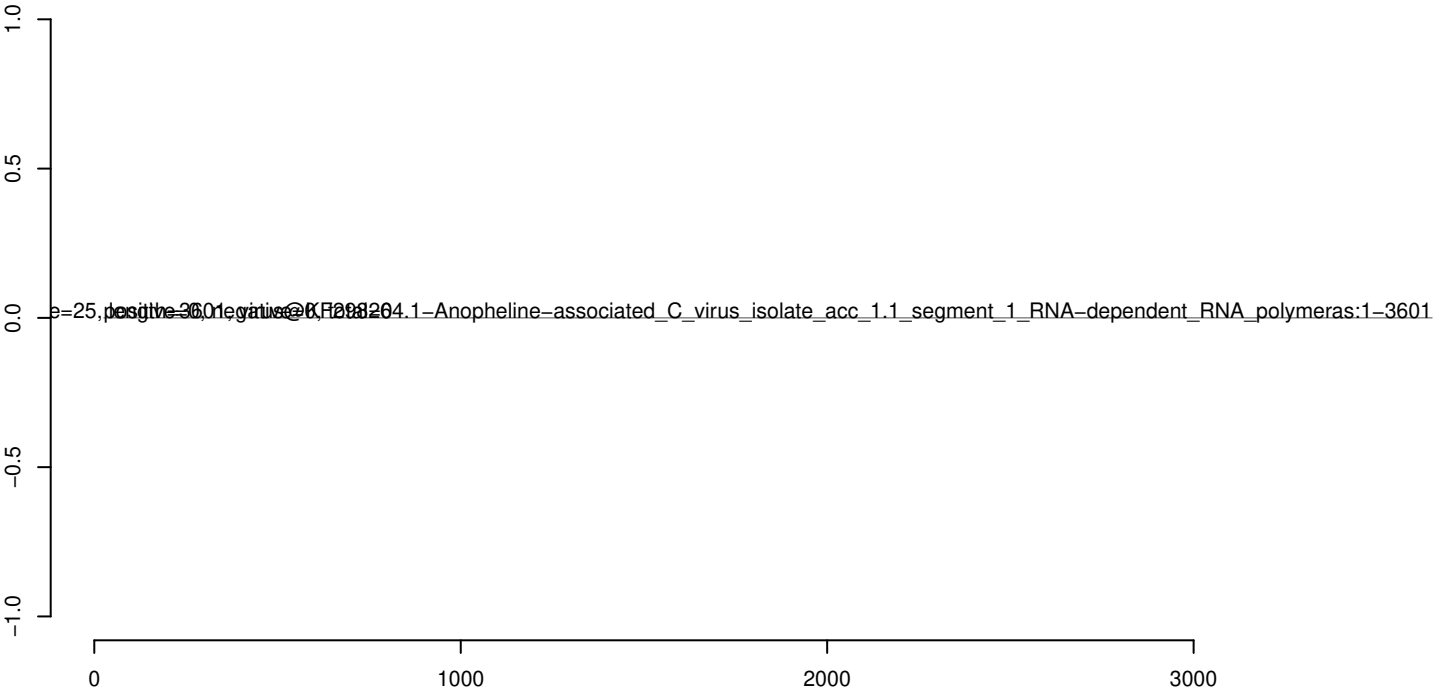
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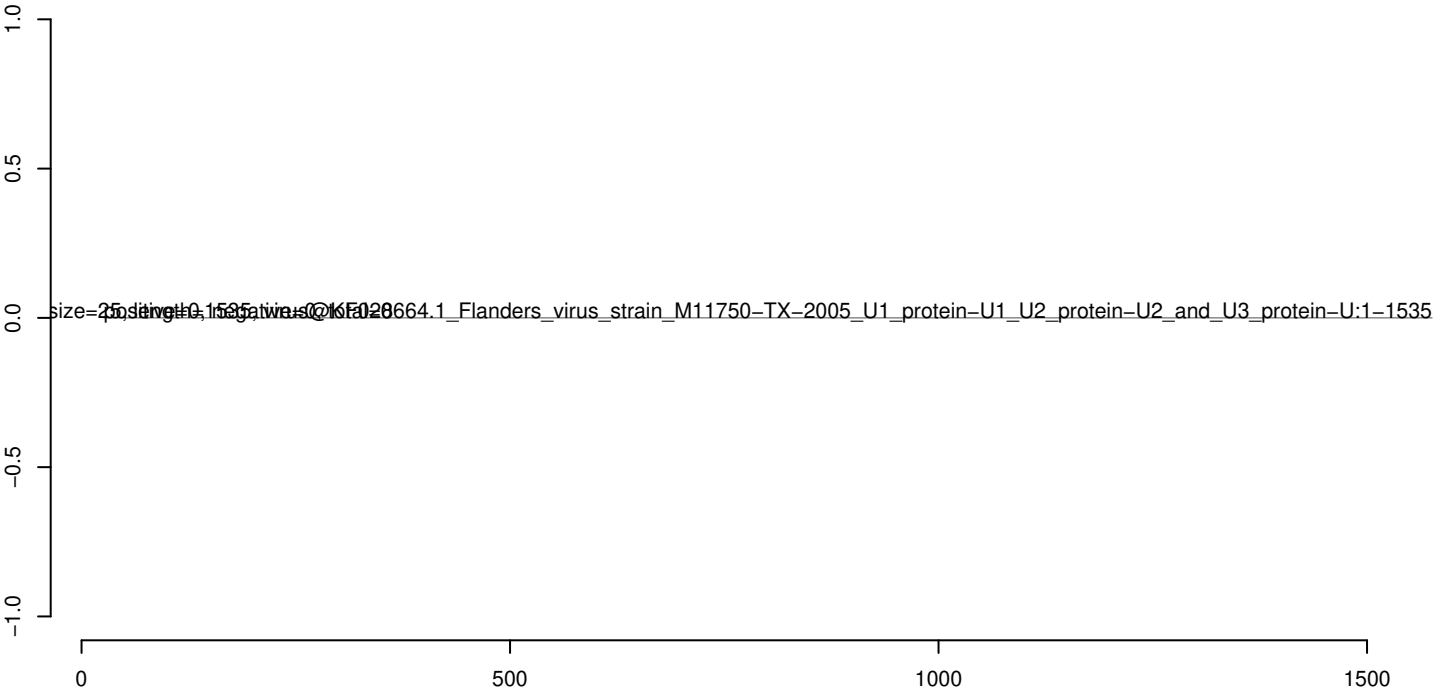
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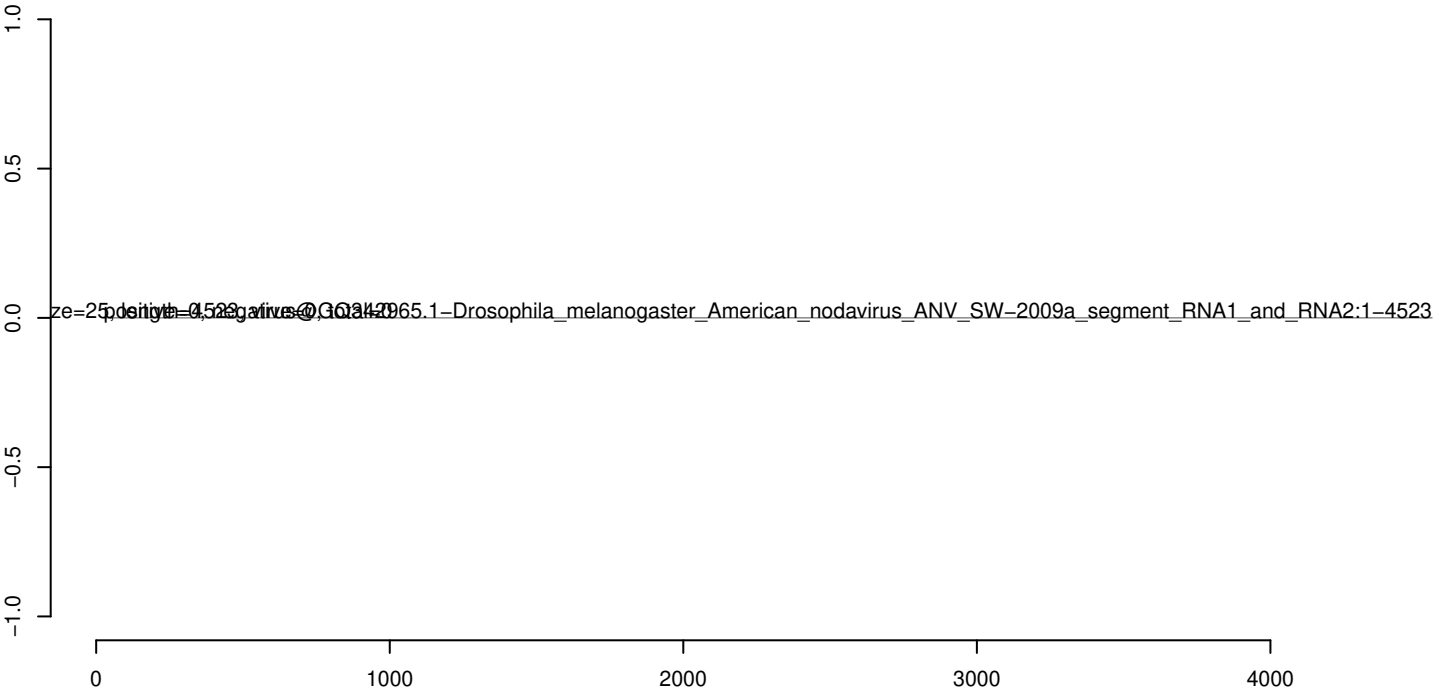
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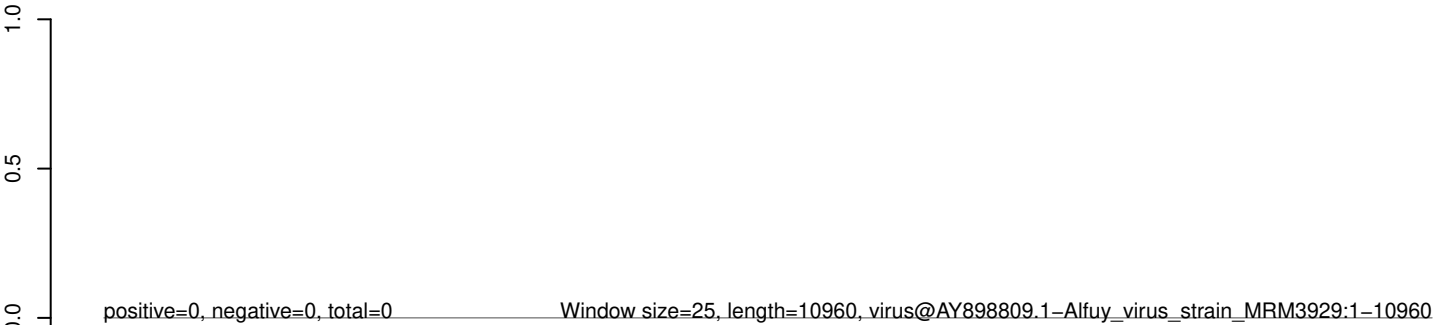
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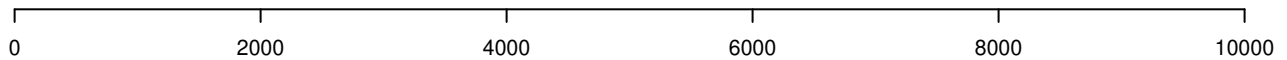
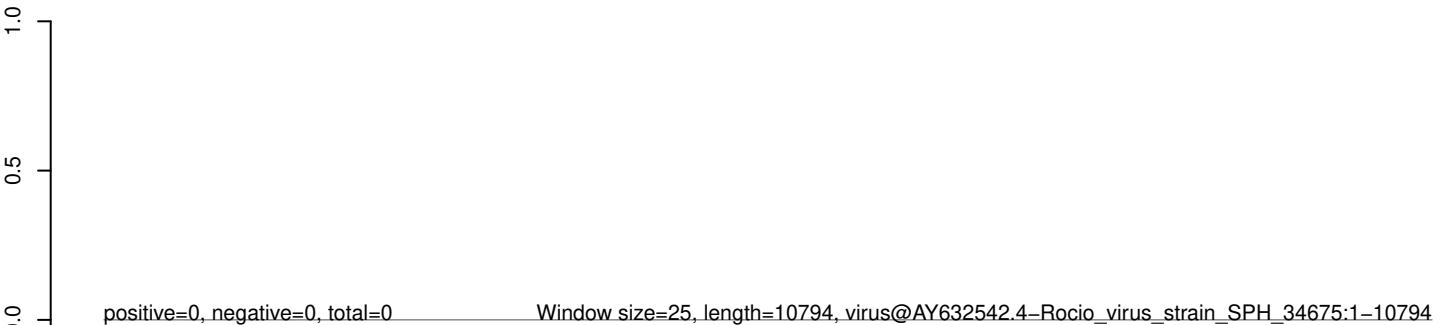
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