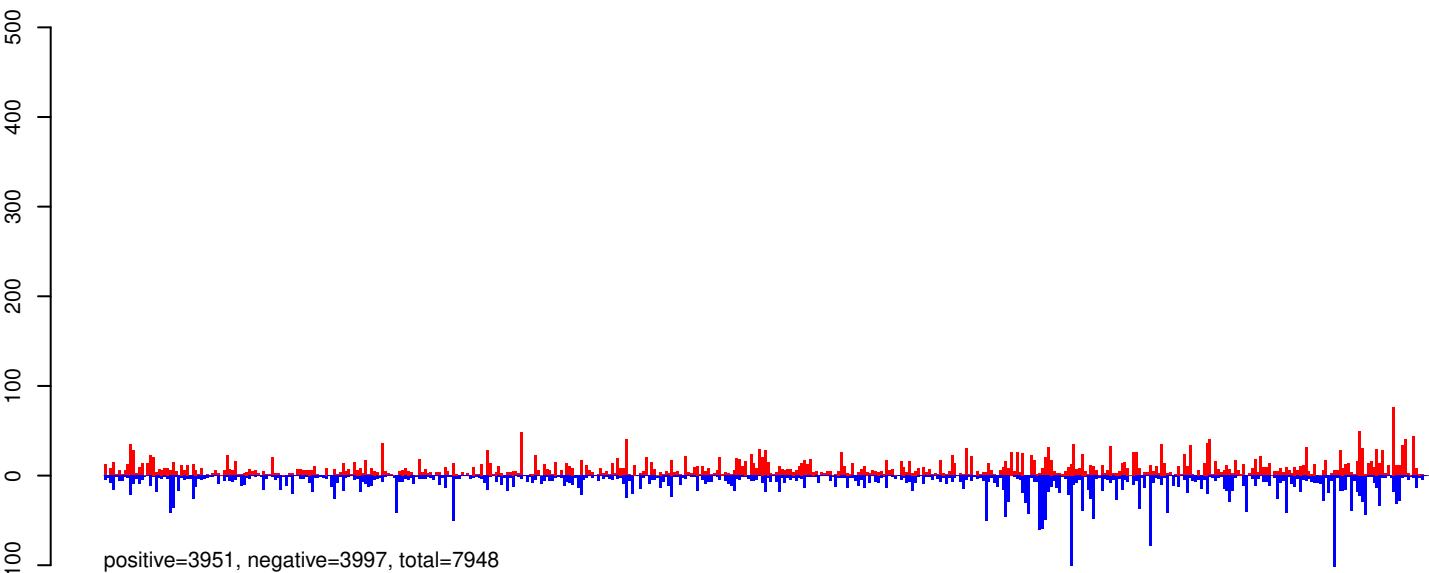


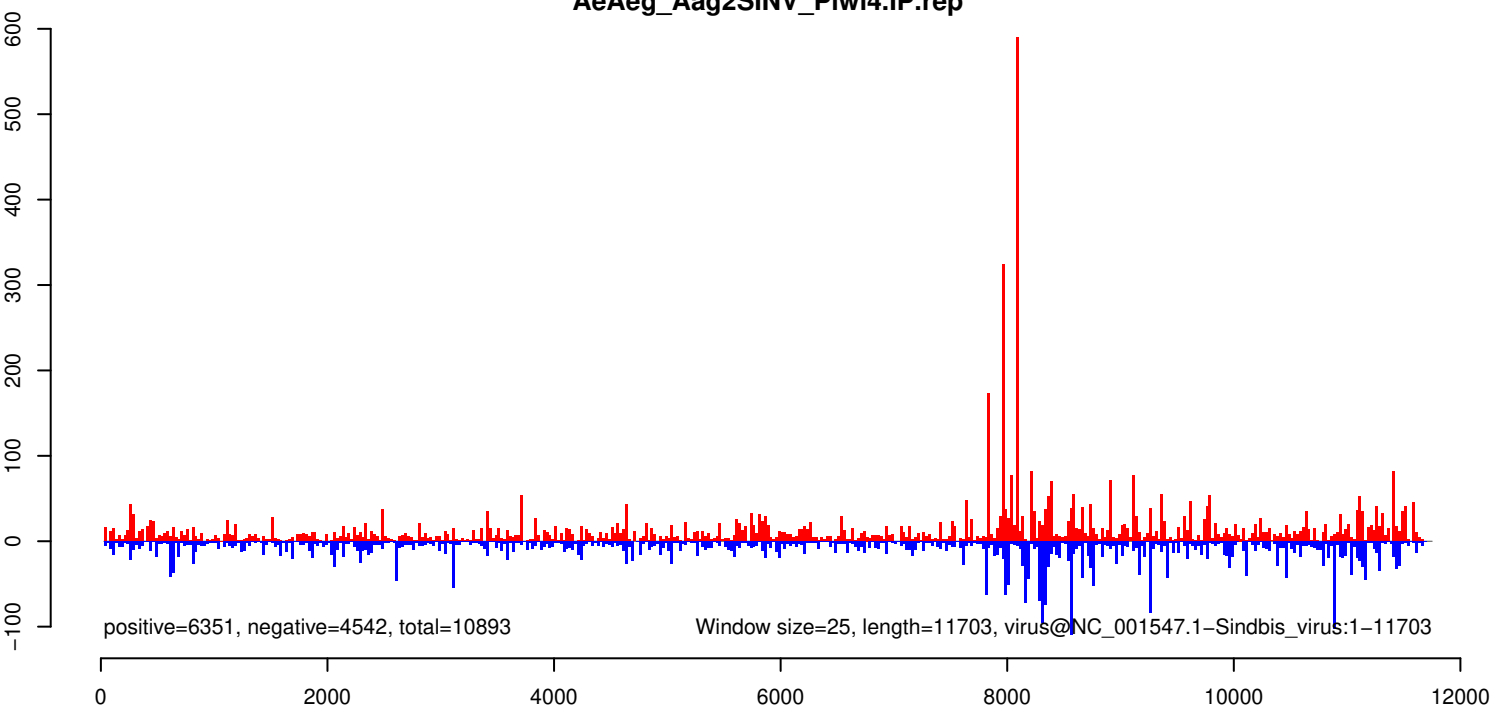
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



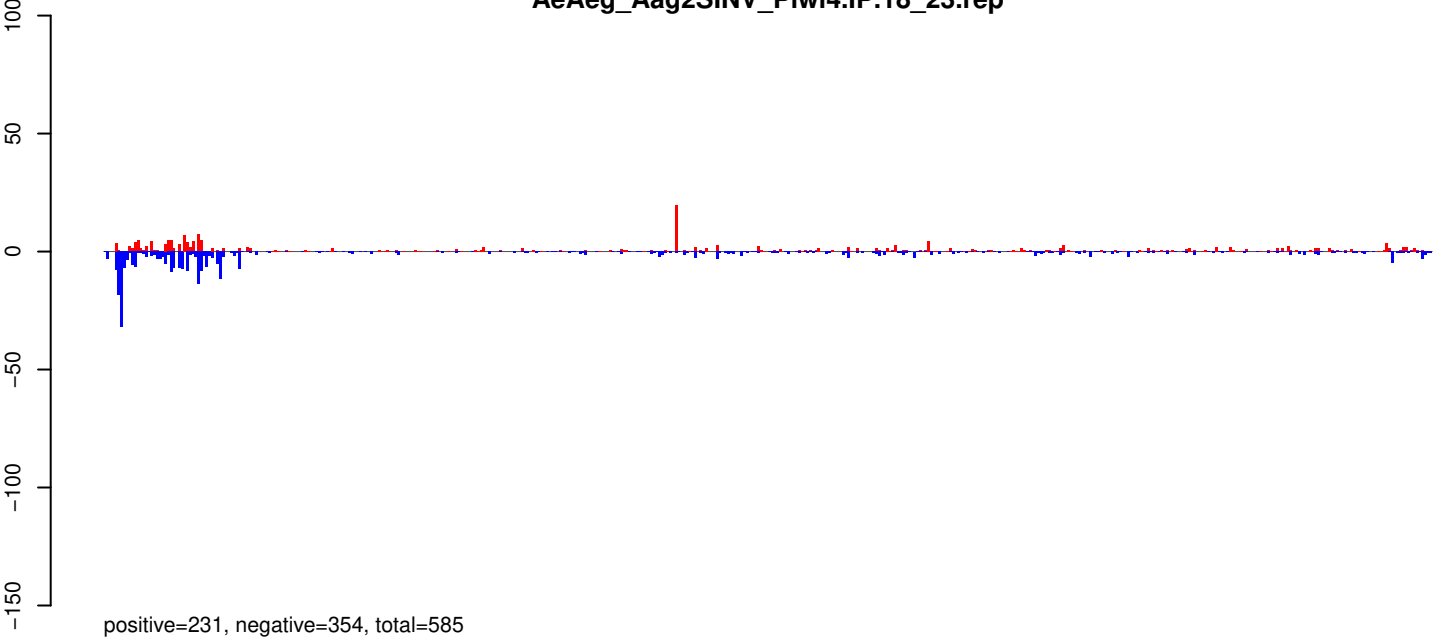
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



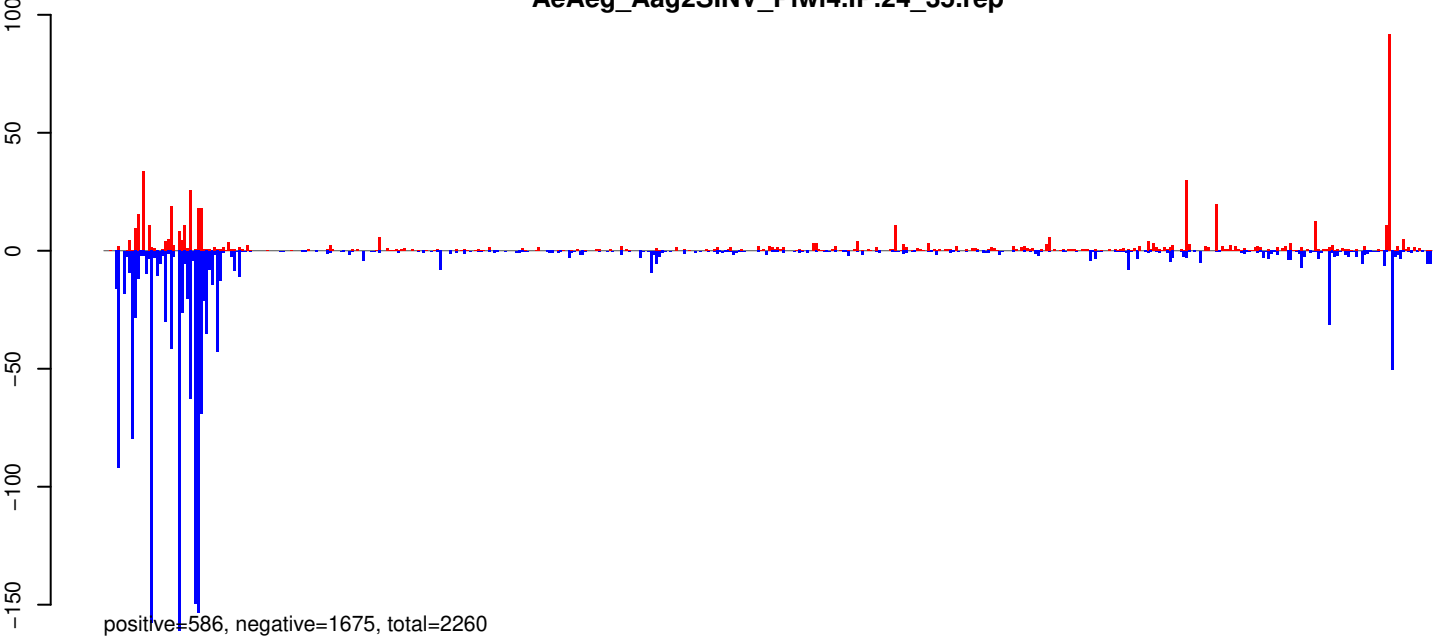
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



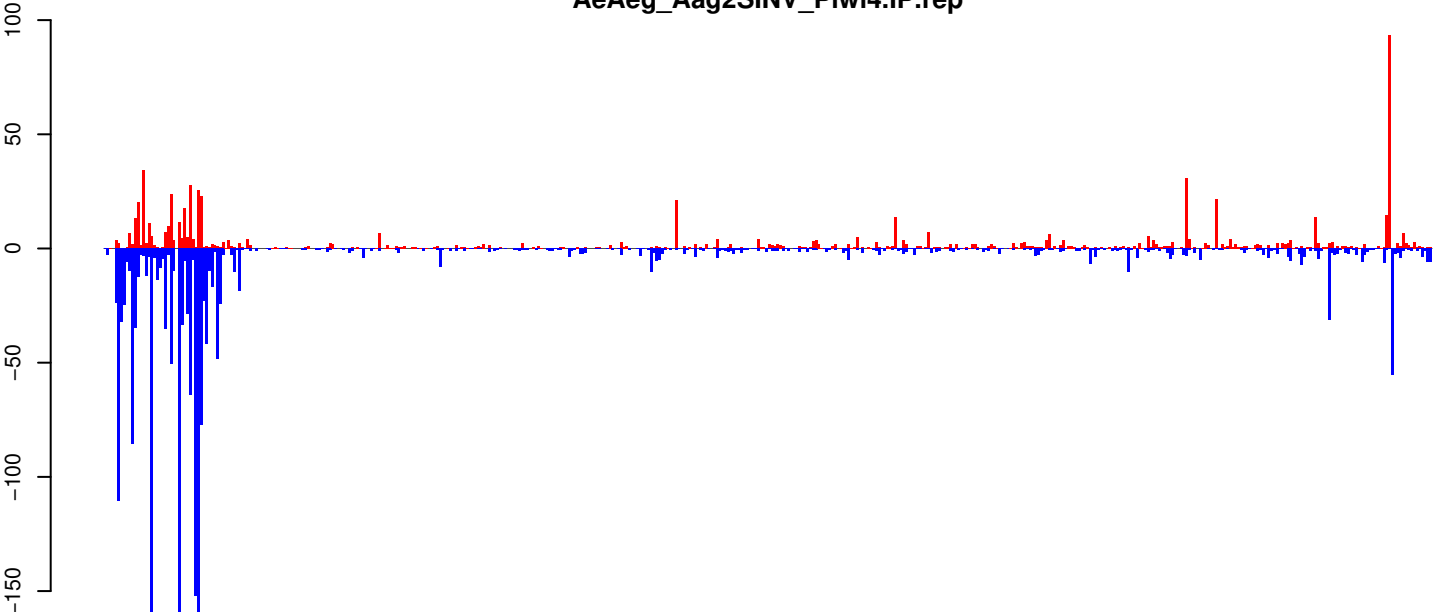
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



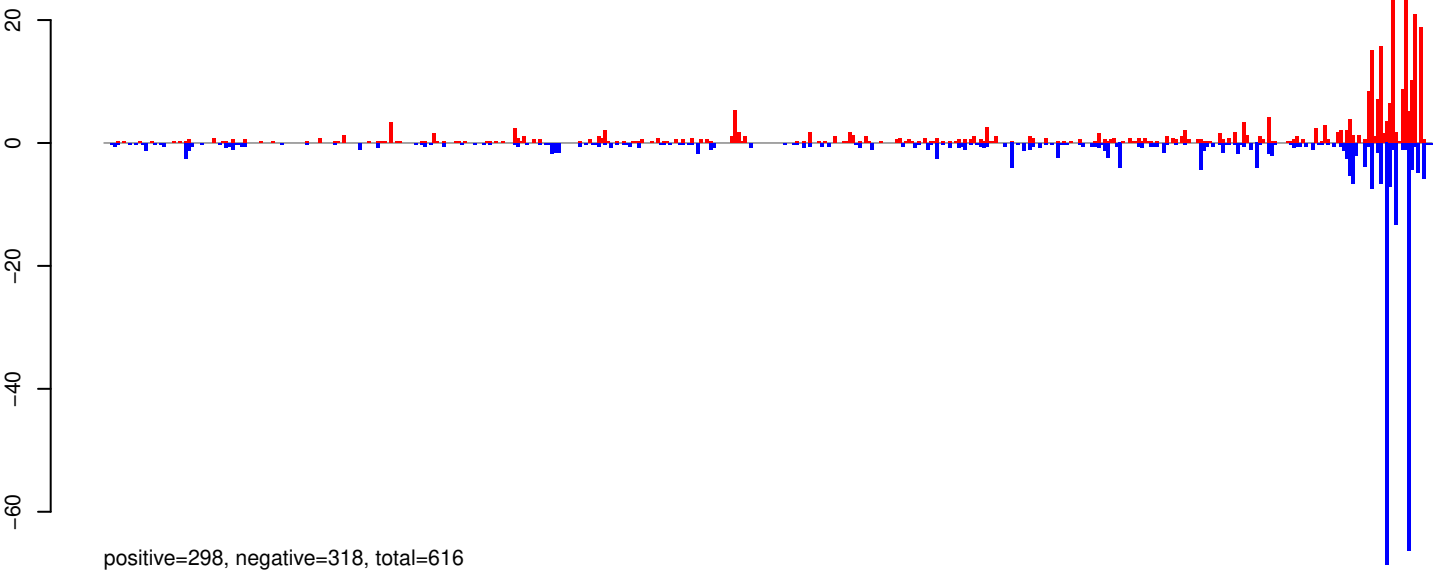
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



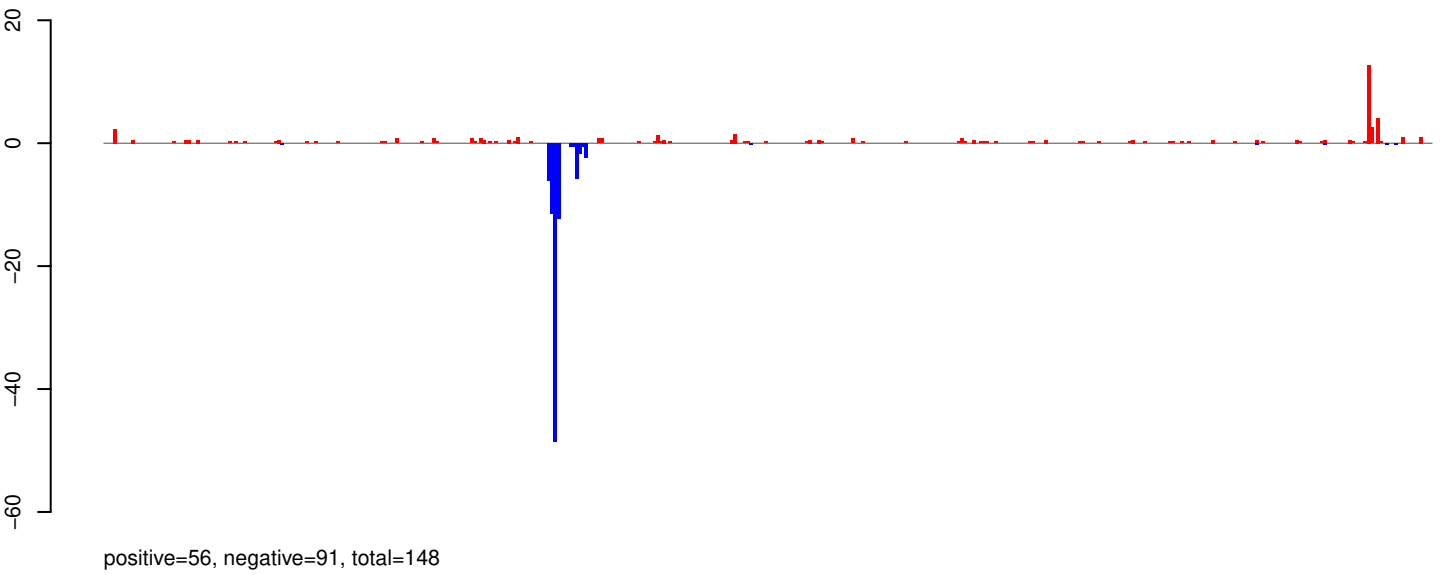
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



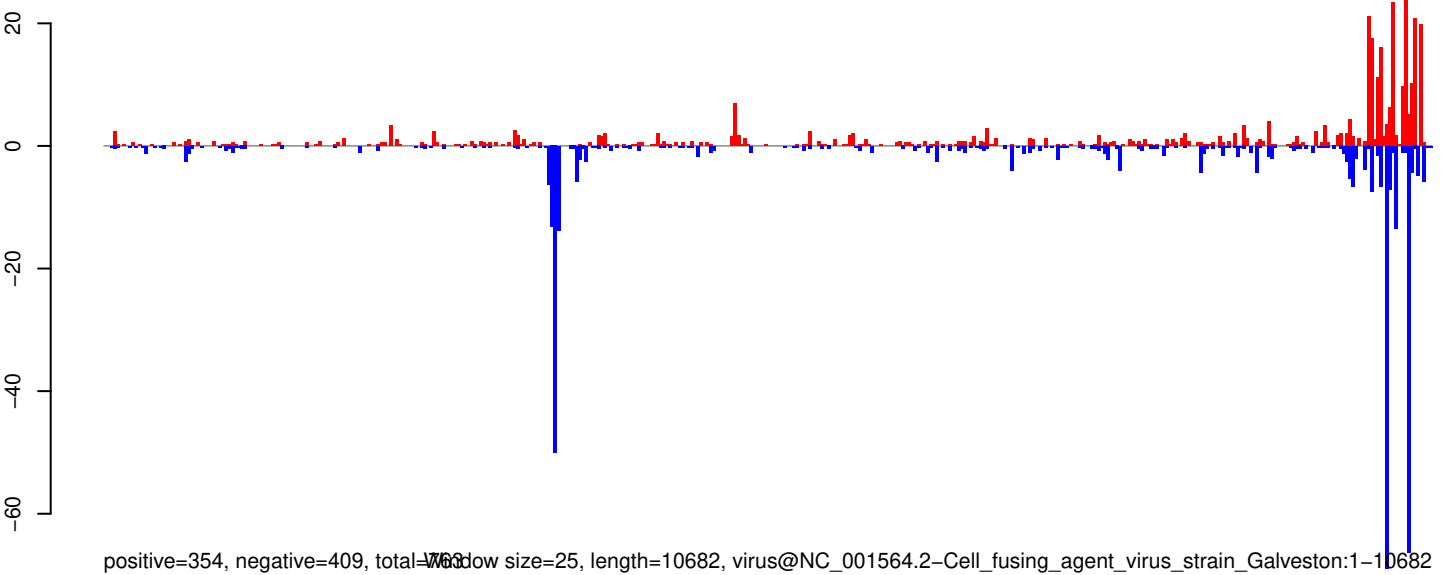
AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep



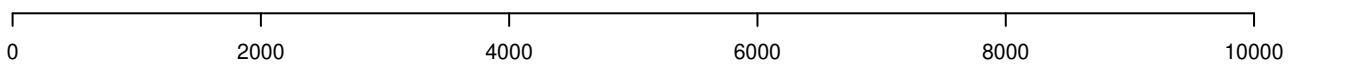
AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep



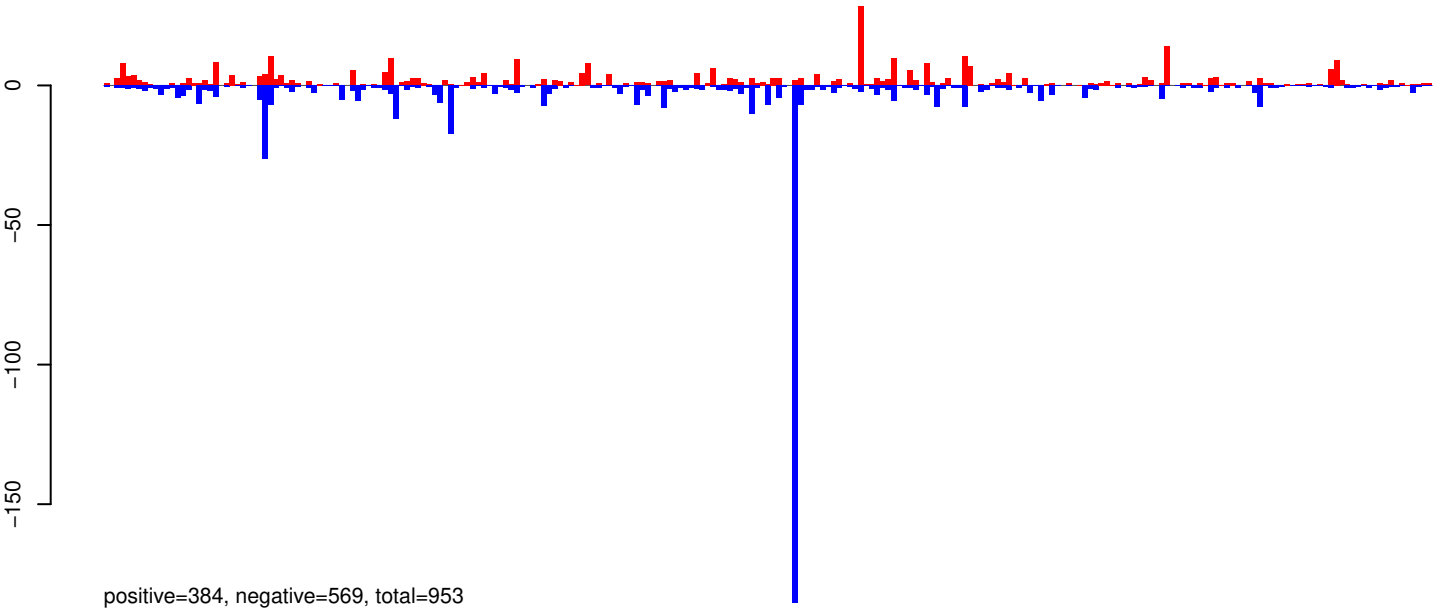
AeAeg\_Aag2SINV\_Piwi4.IP.rep



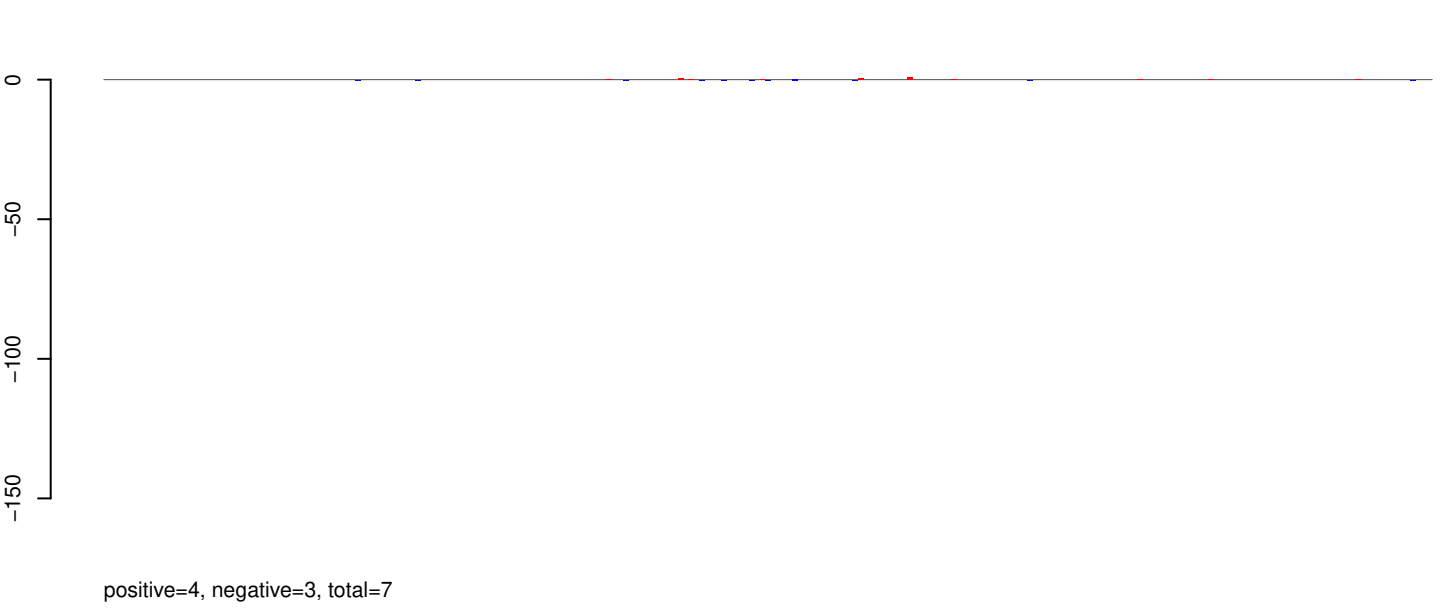
Window size=25, length=10682, virus@NC\_001564.2-Cell\_fusing\_agent\_virus\_strain\_Galveston:1-10682



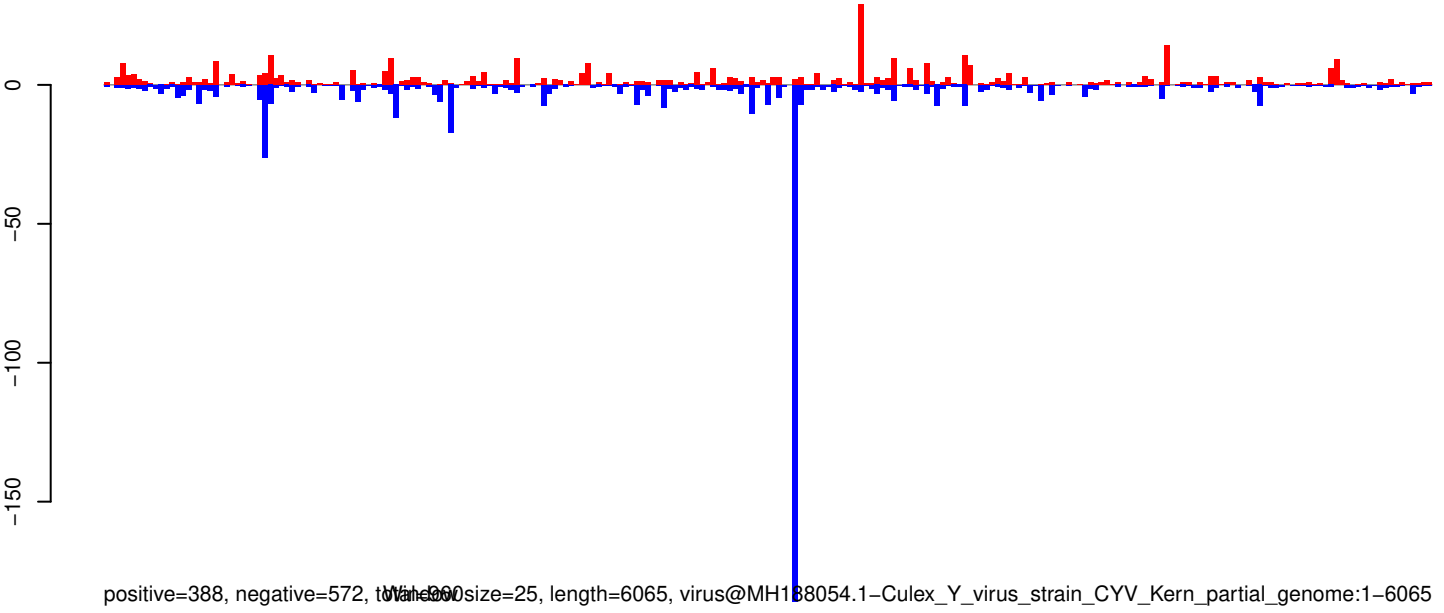
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



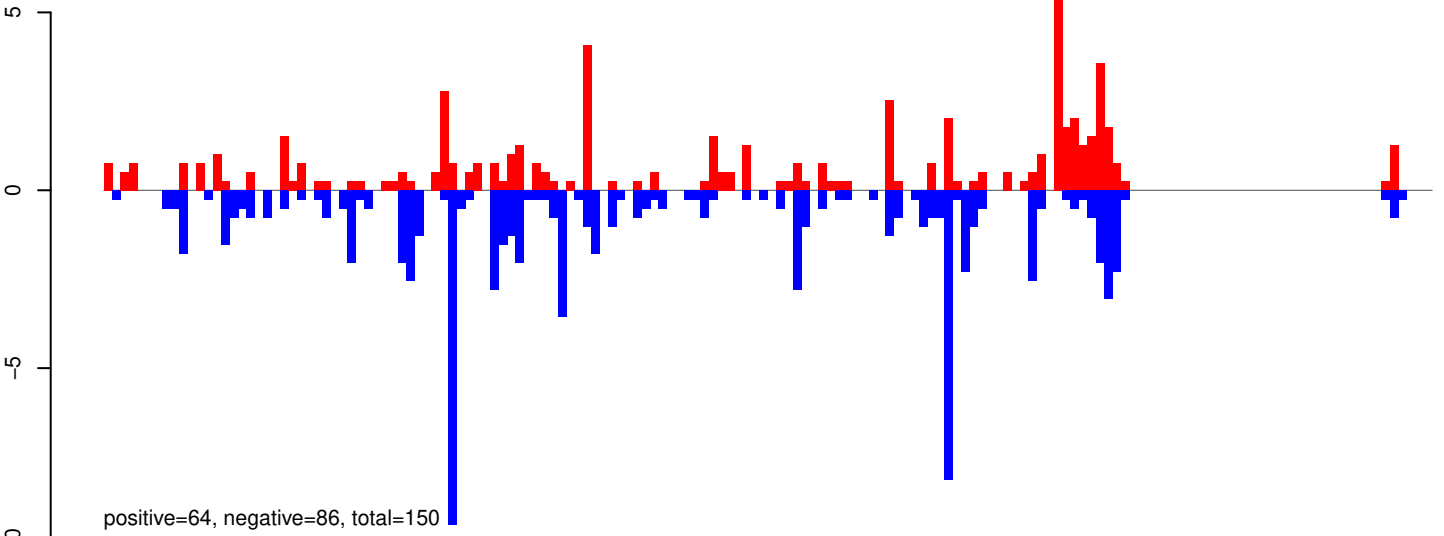
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



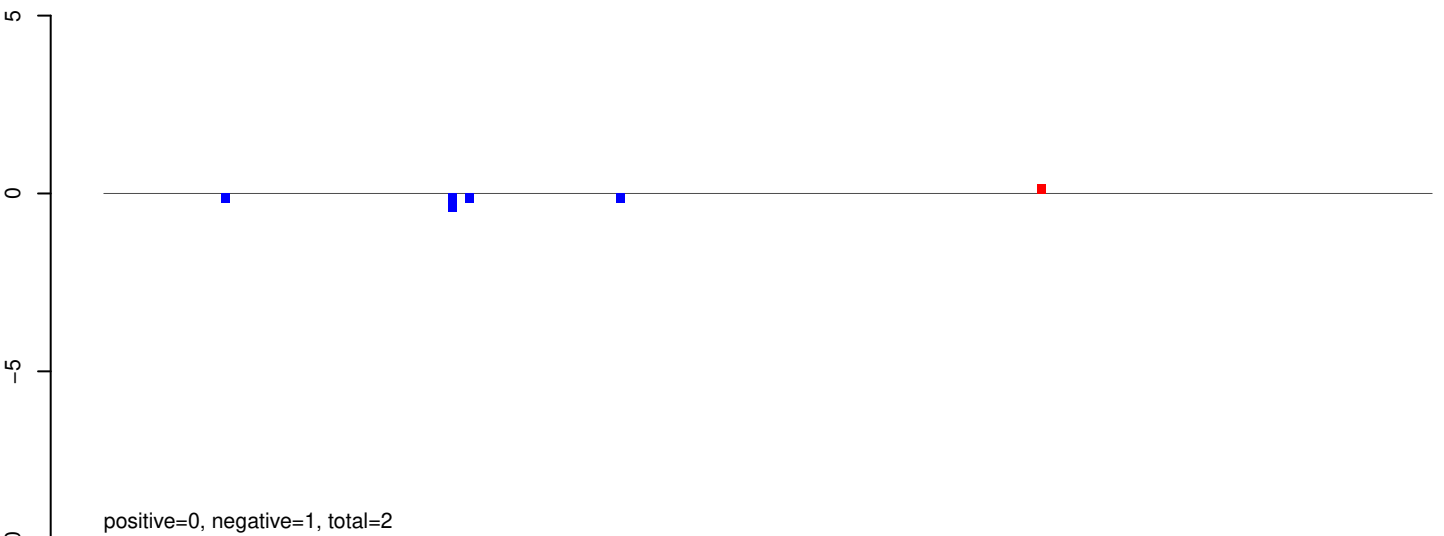
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



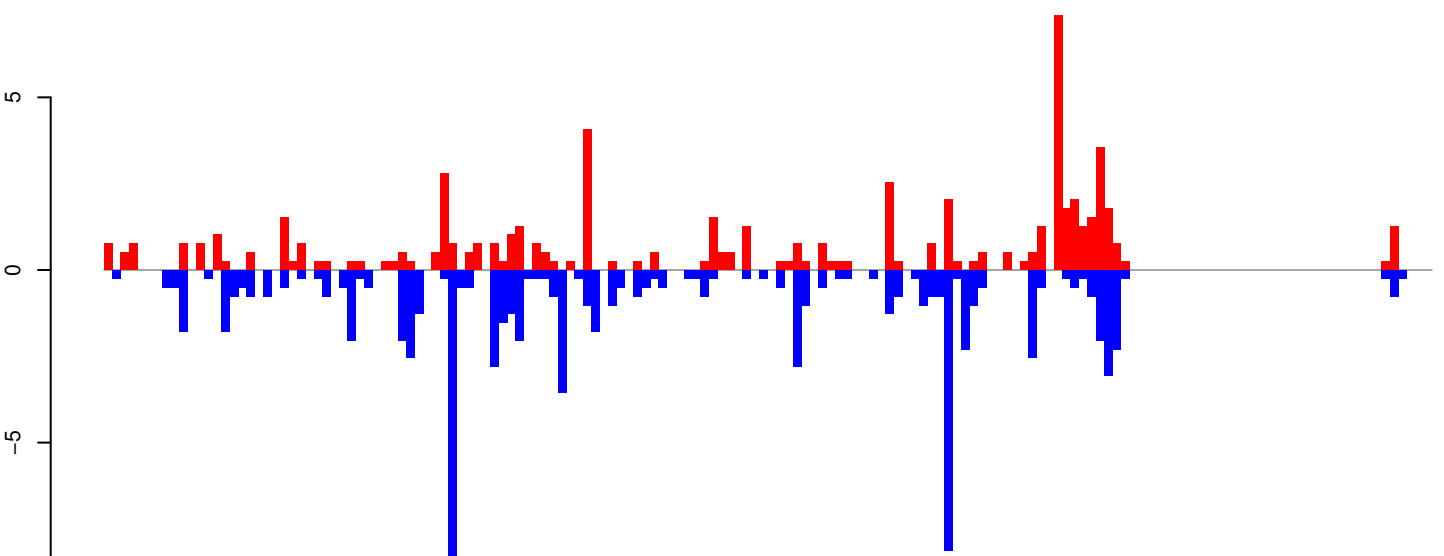
AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep



AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep



AeAeg\_Aag2SINV\_Piwi4.IP.rep

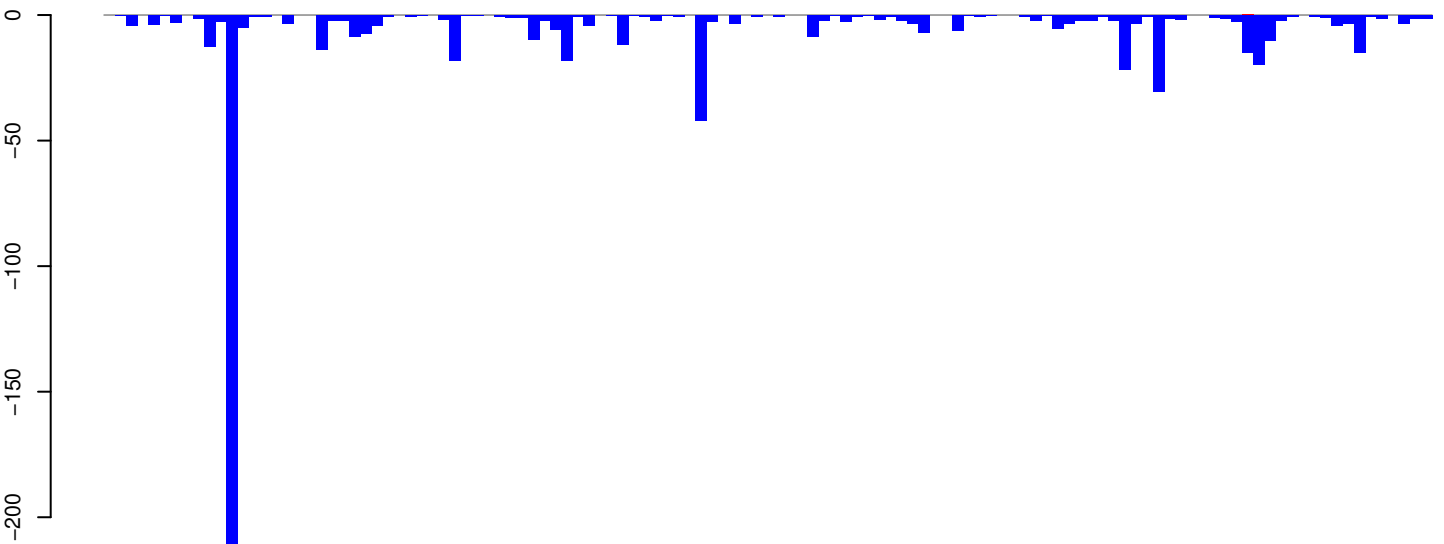


**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



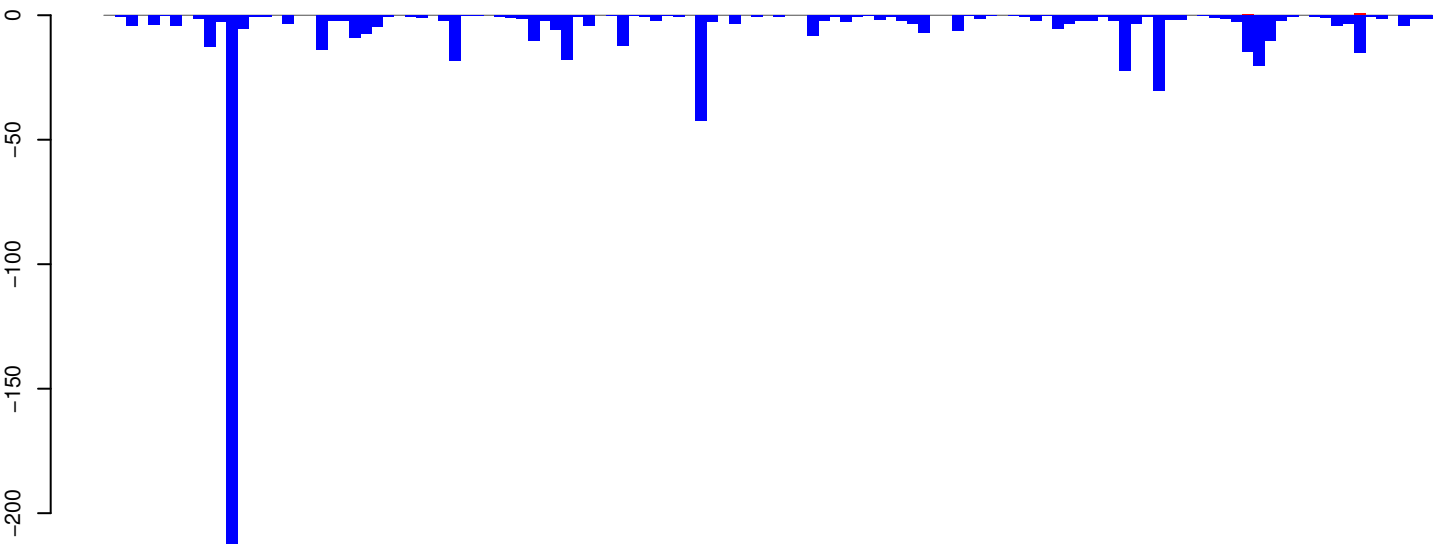
positive=1, negative=11, total=12

**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



positive=0, negative=644, total=644

**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

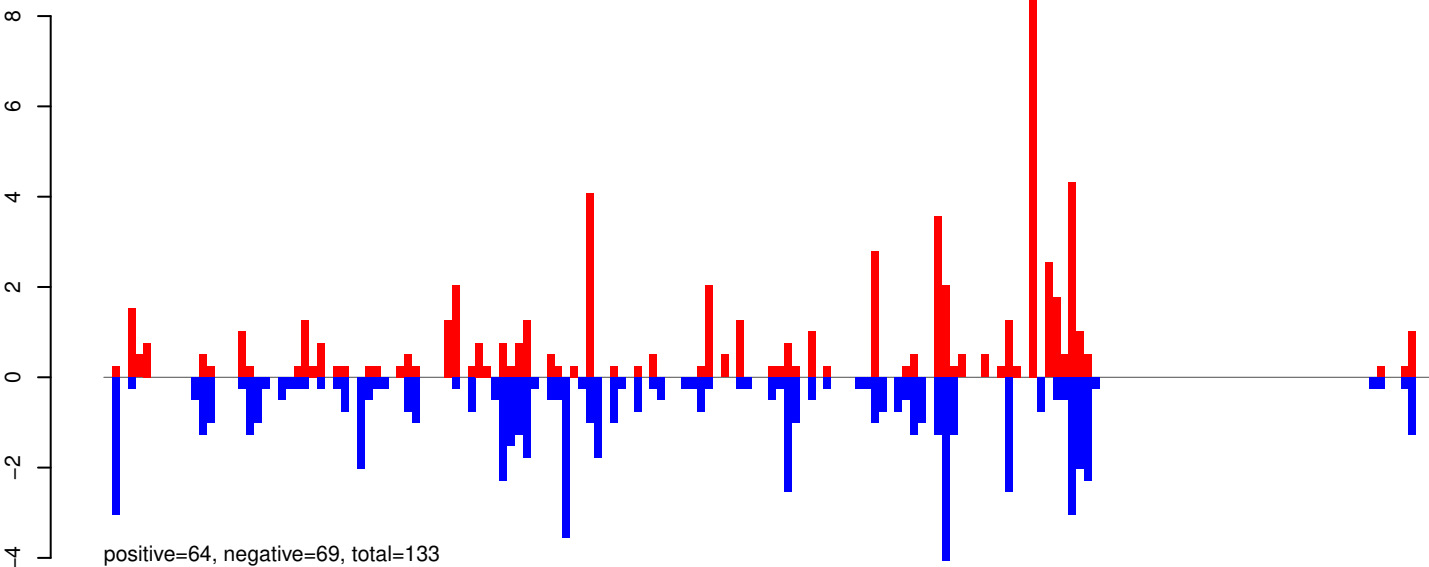


positive=1, negative=655, total=656

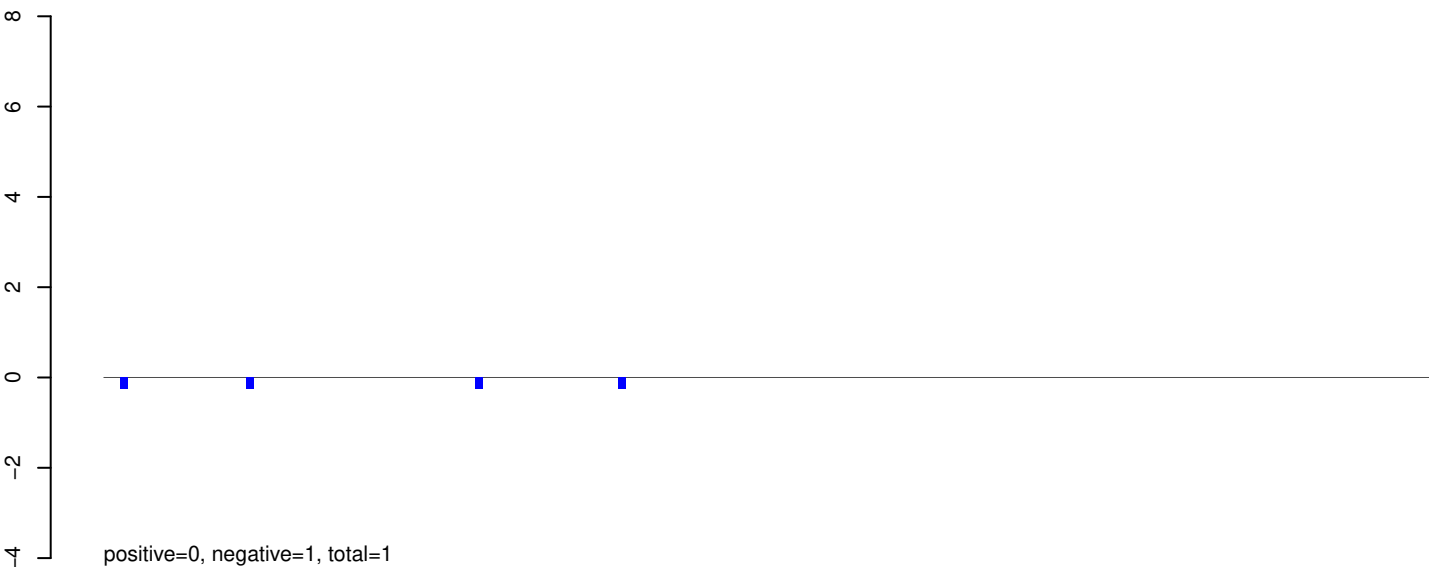
Window size=25, length=2965, virus@AY347953.2-Aedes\_aegypti\_genomic\_sequence:1-2965

0 500 1000 1500 2000 2500 3000

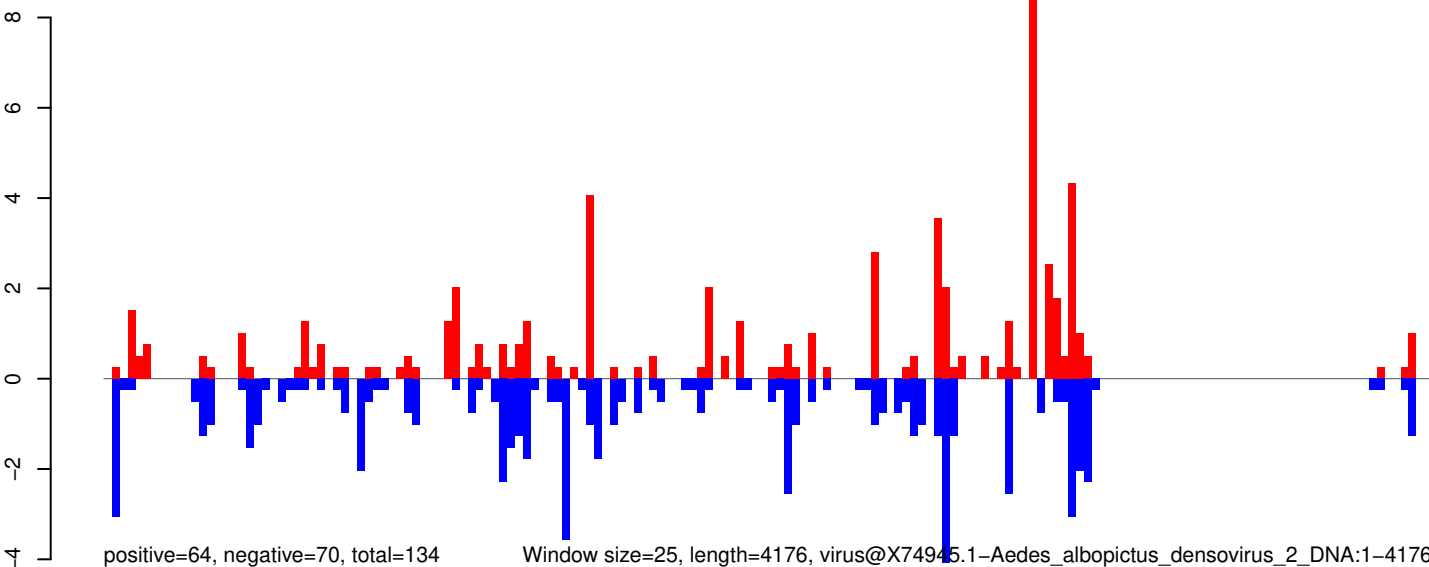
AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep



AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep

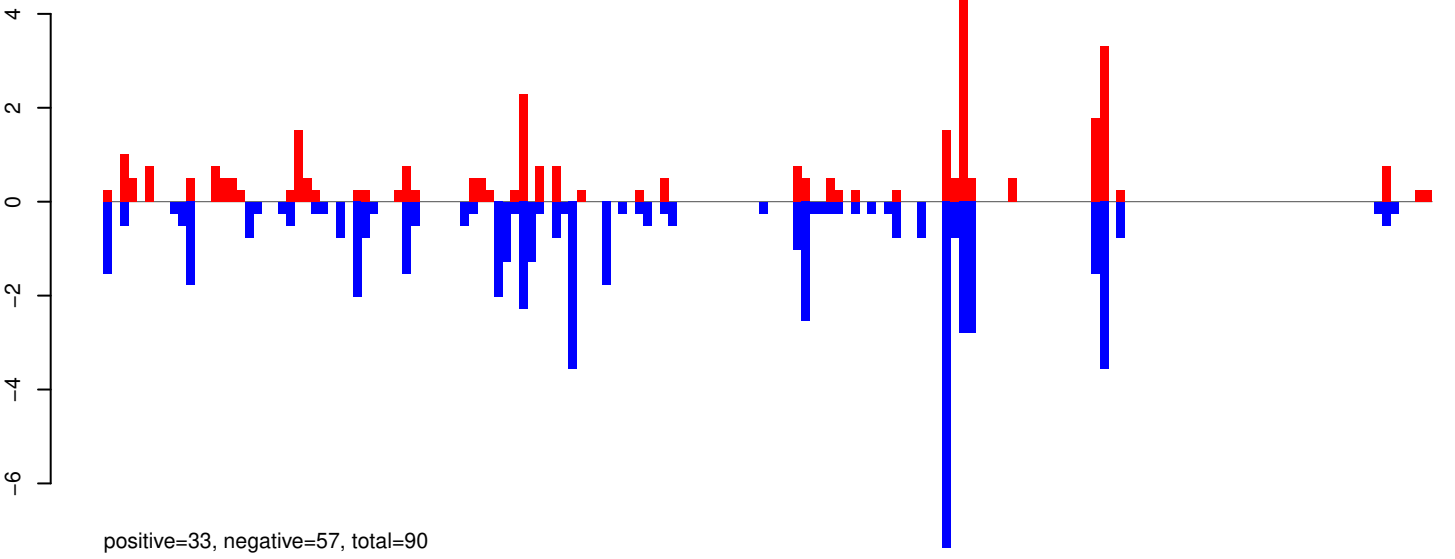


AeAeg\_Aag2SINV\_Piwi4.IP.rep

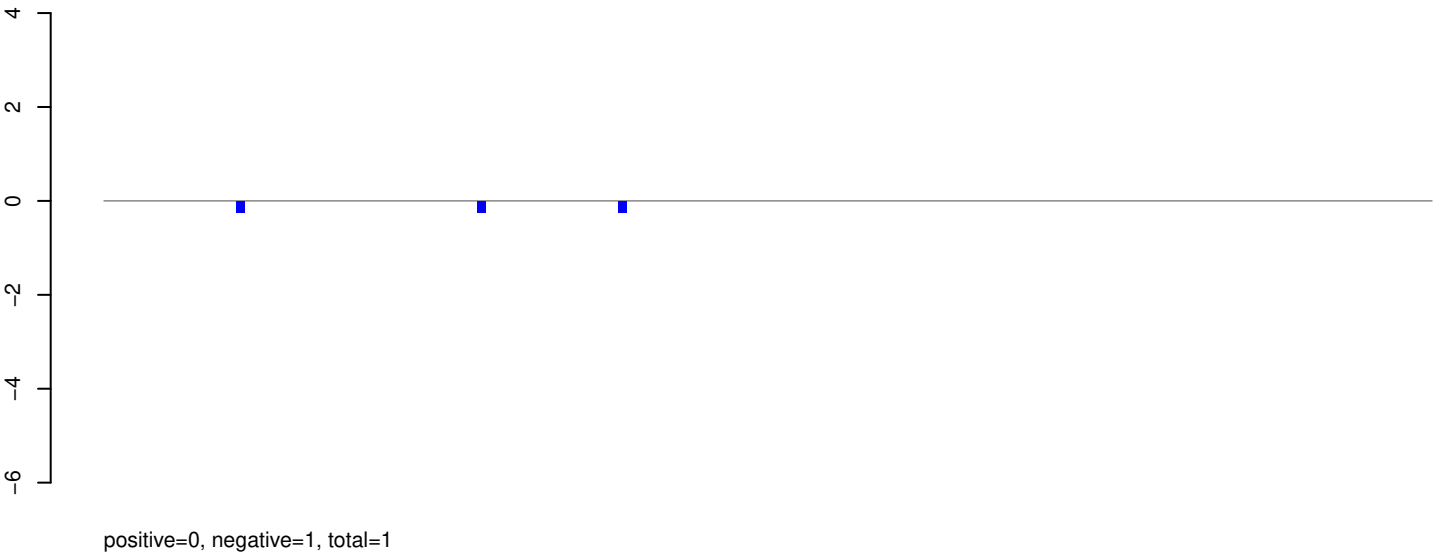


0 1000 2000 3000 4000

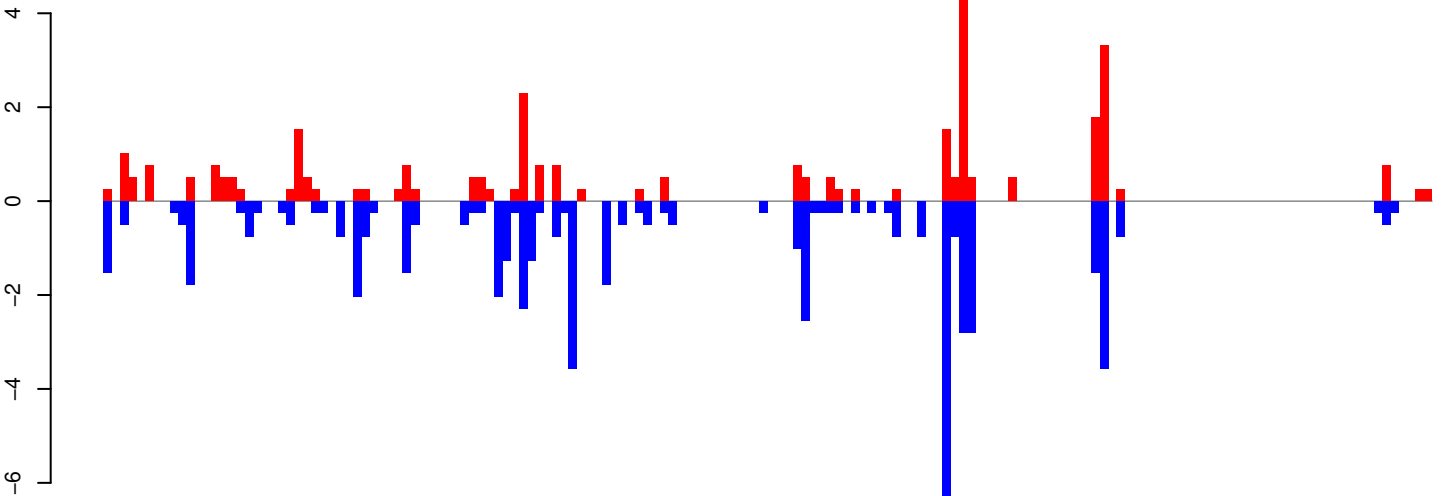
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

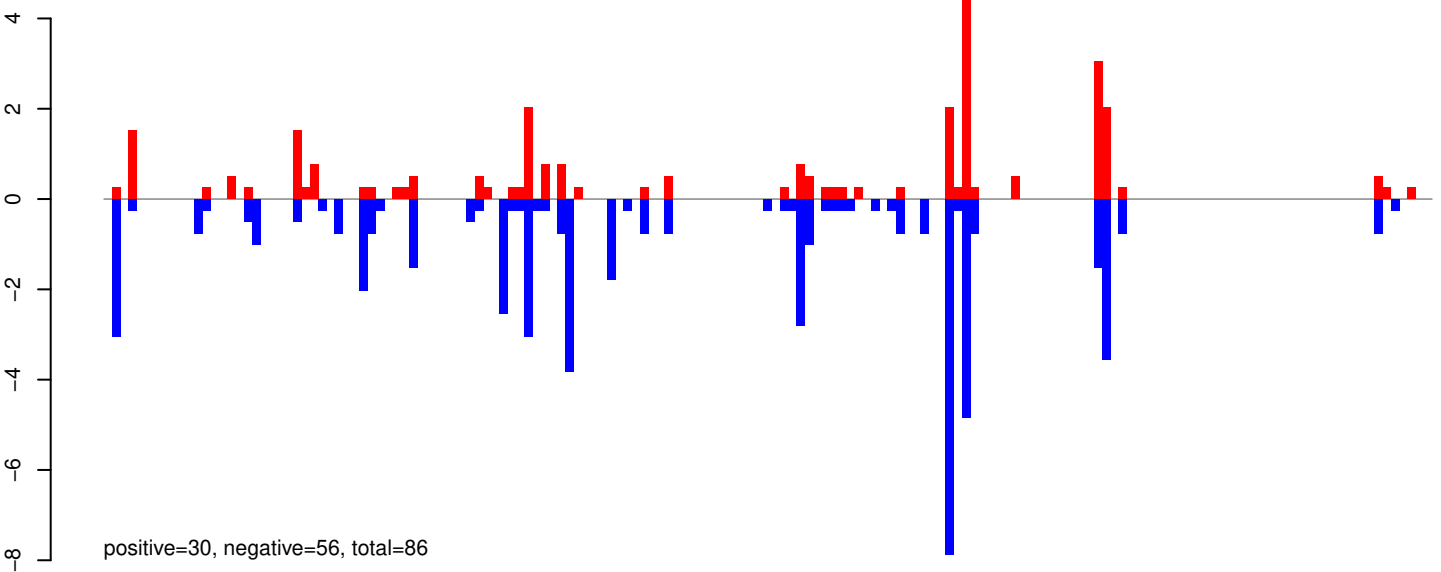


with size=251, length=3986, positive=57, negative=33, total=90  
AY605551-Haemagogus\_equinus\_densovirus\_nonstructural\_protein\_1\_nonstructural\_protein\_2\_and\_c:1-3986

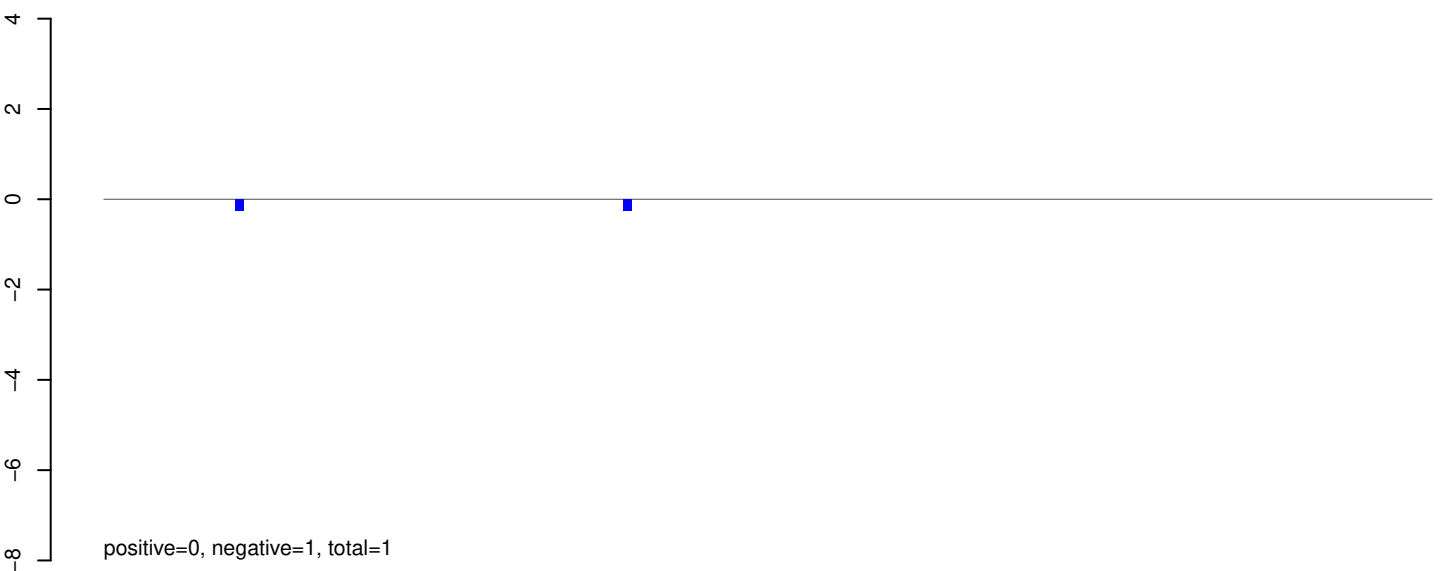
0 1000 2000 3000 4000



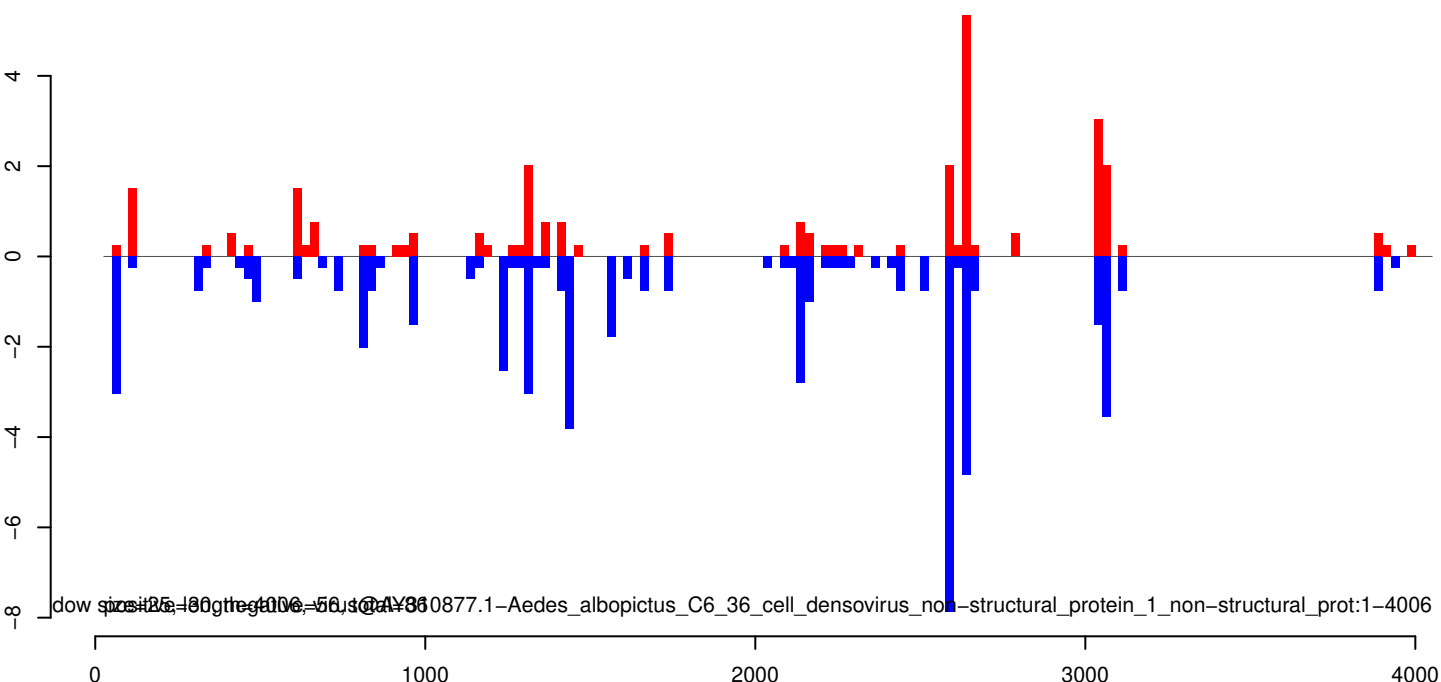
AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep



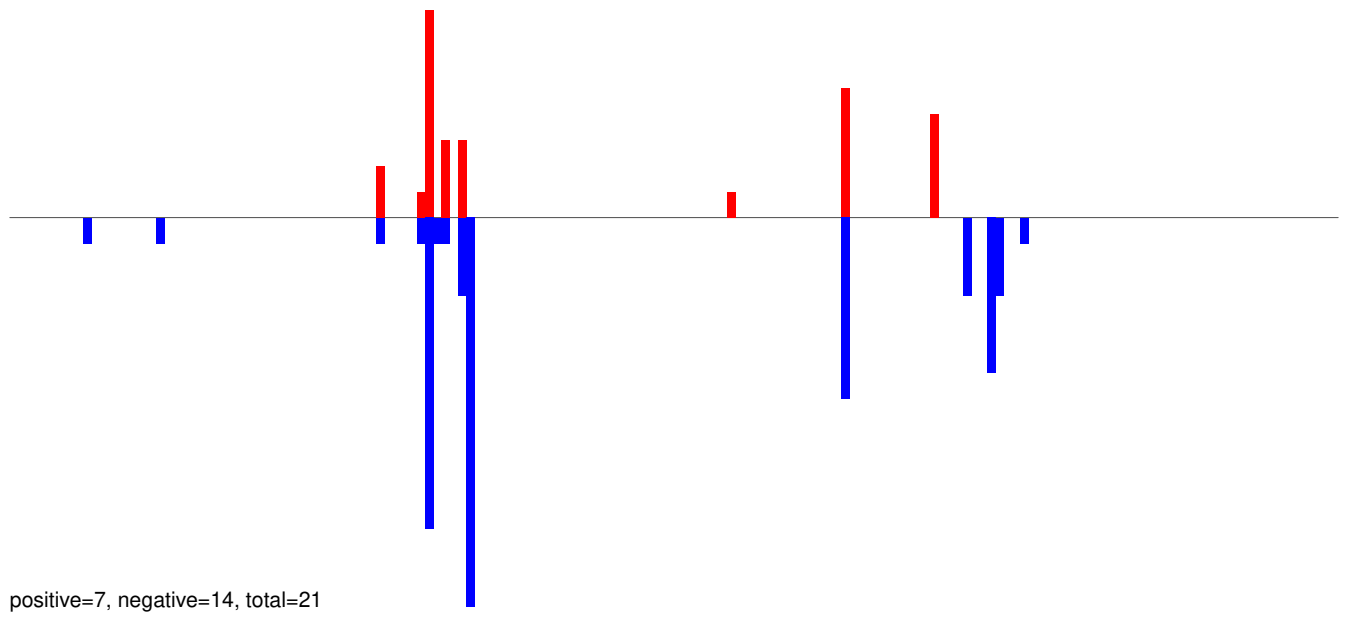
AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep



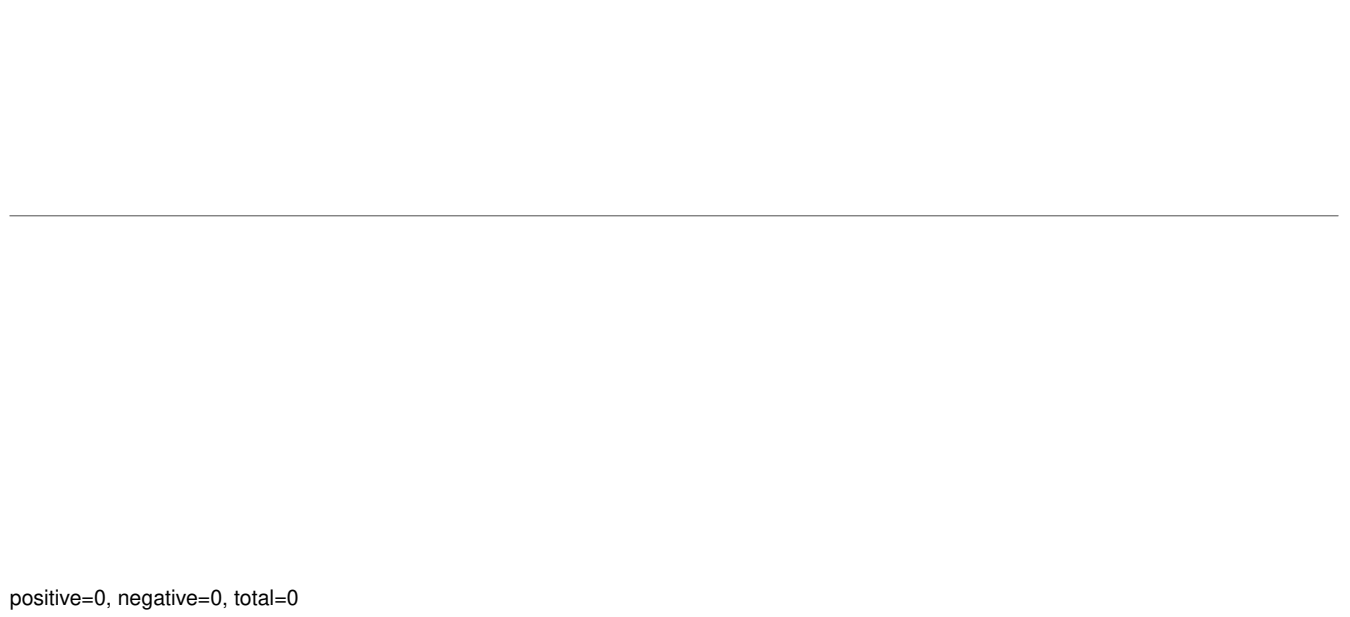
AeAeg\_Aag2SINV\_Piwi4.IP.rep



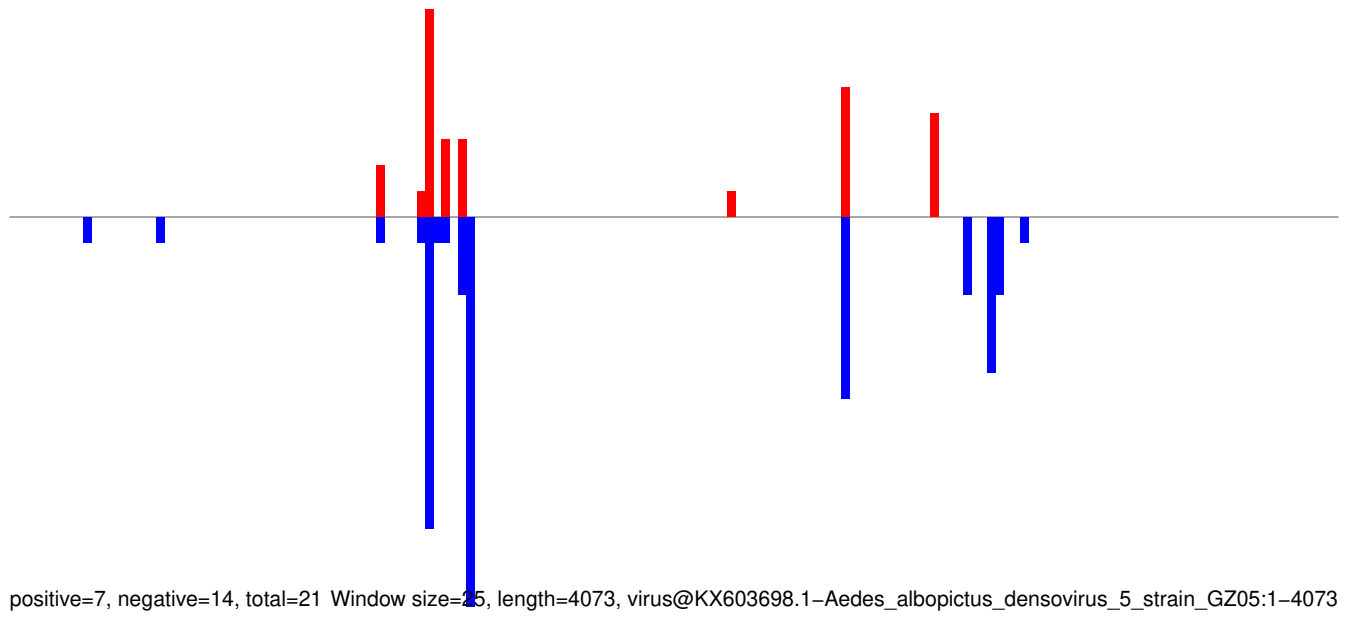
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



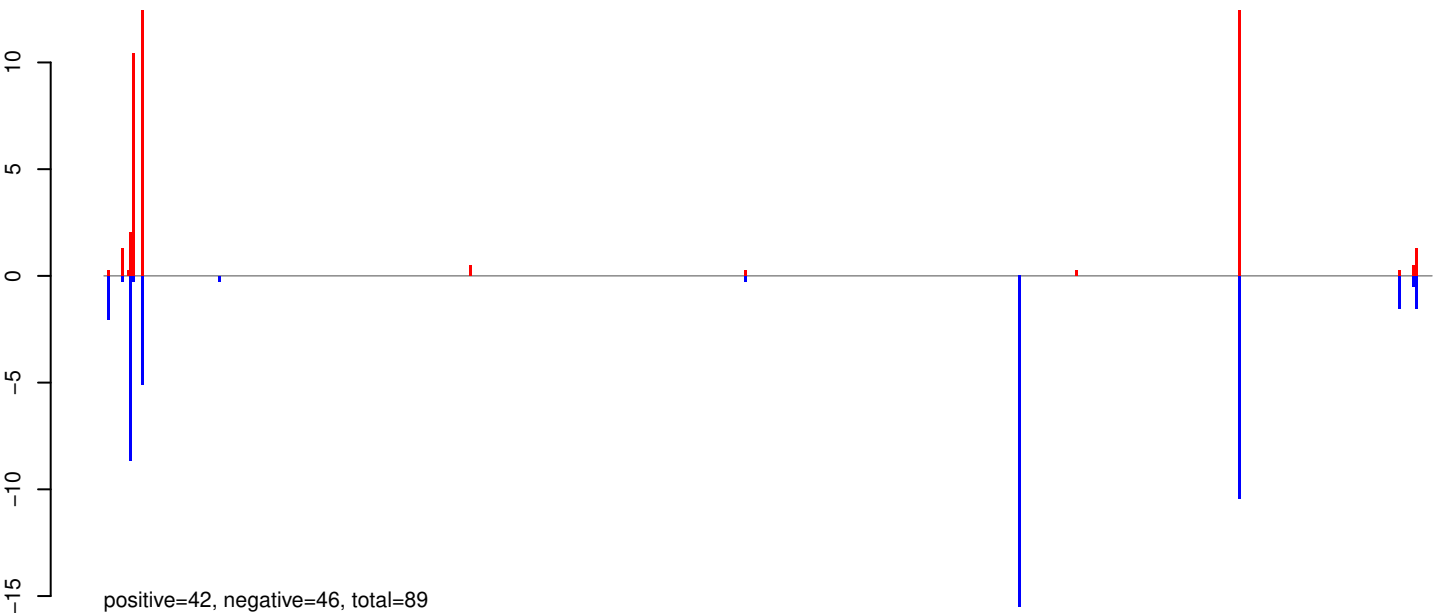
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



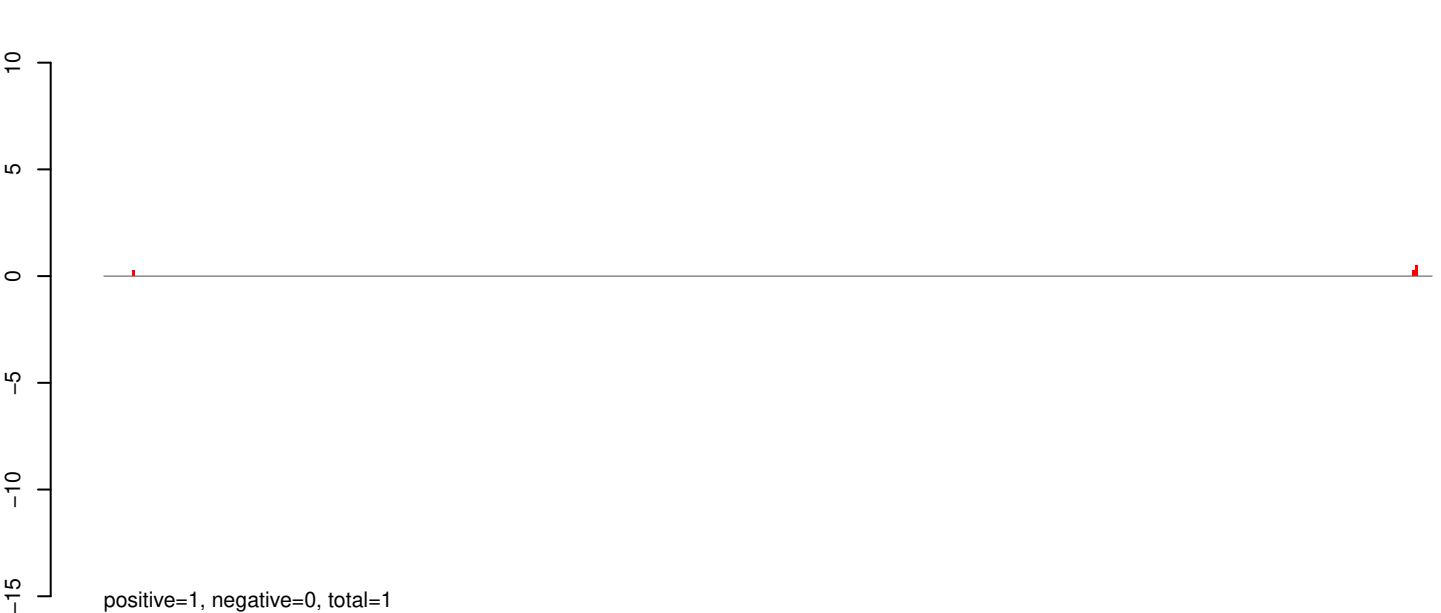
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



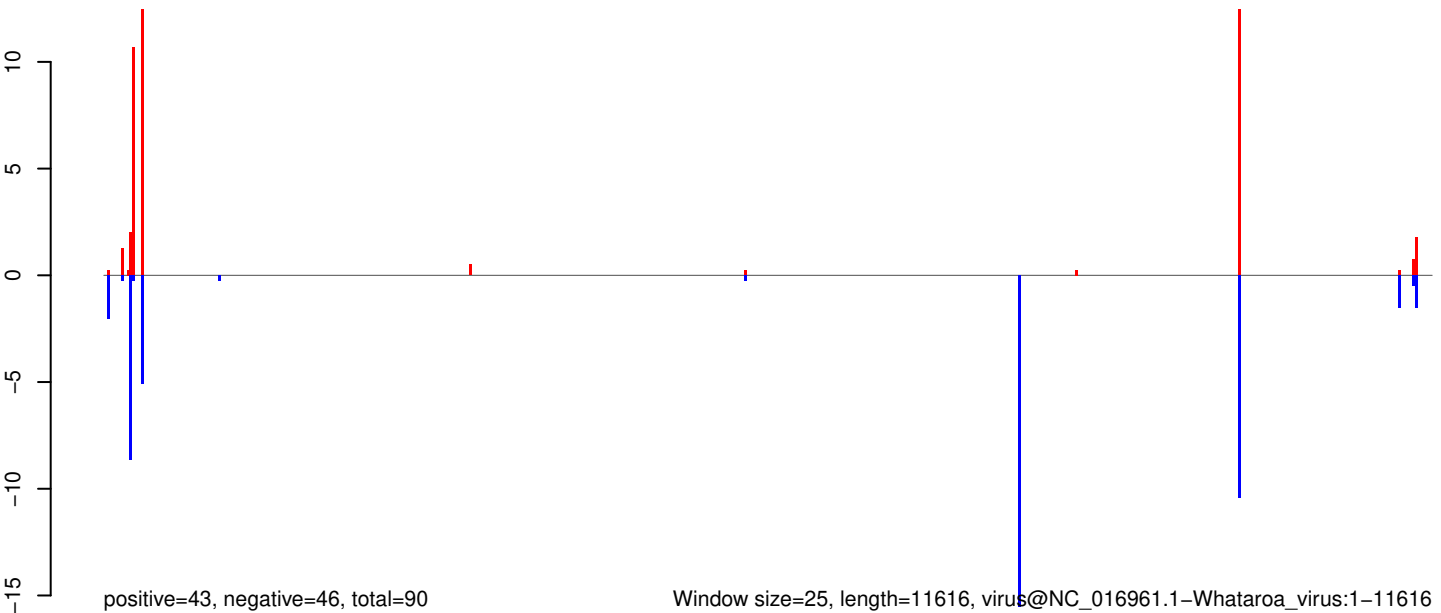
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

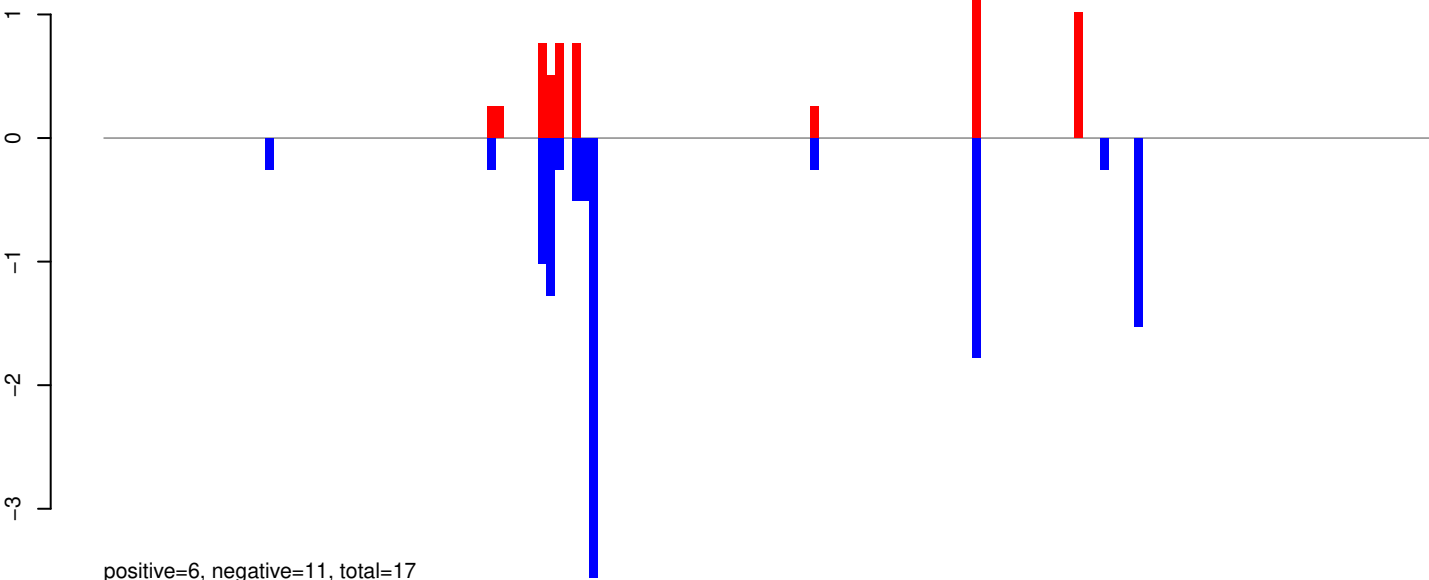


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

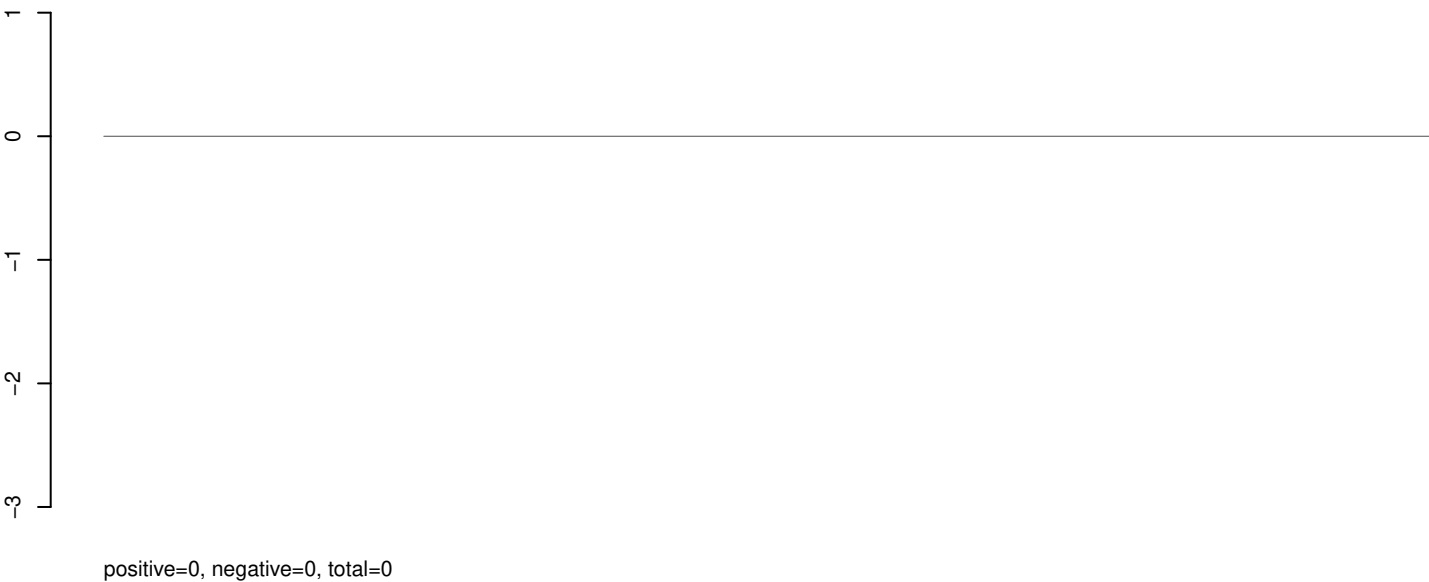


Window size=25, length=11616, virus@NC\_016961.1-Whataroa\_virus:1-11616

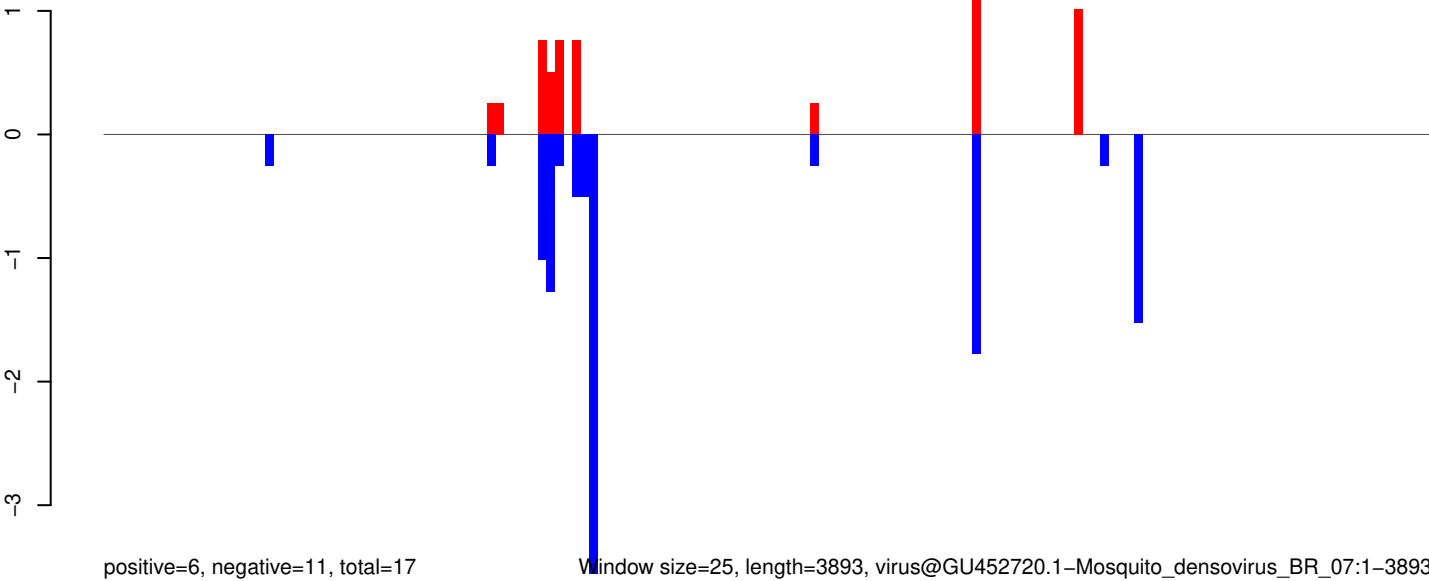
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

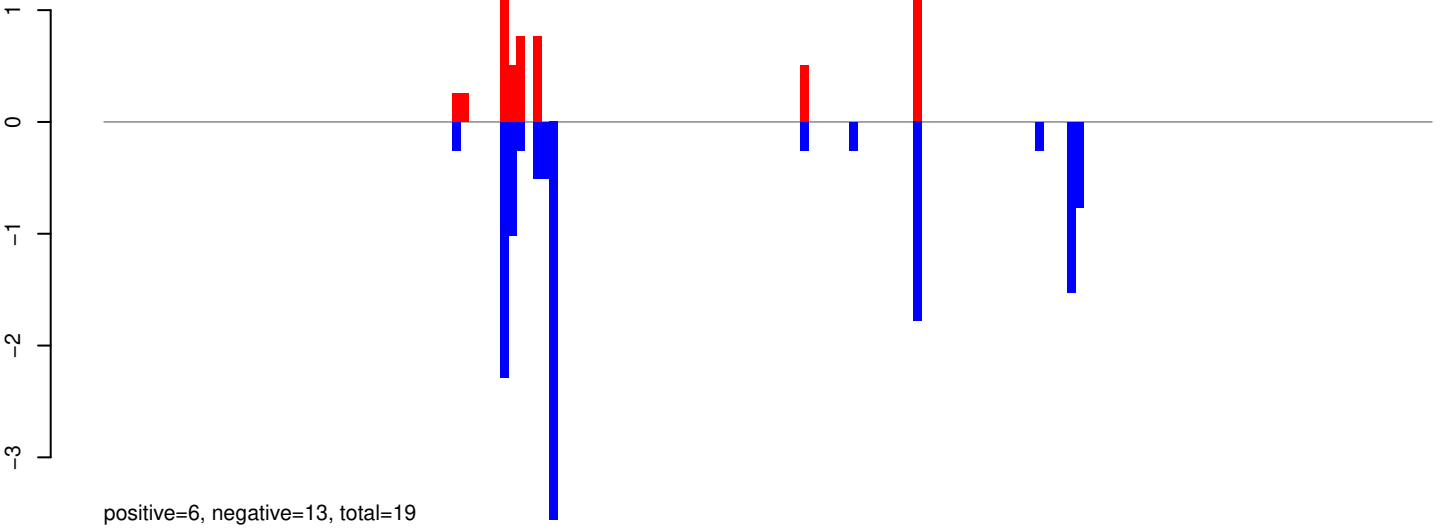


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

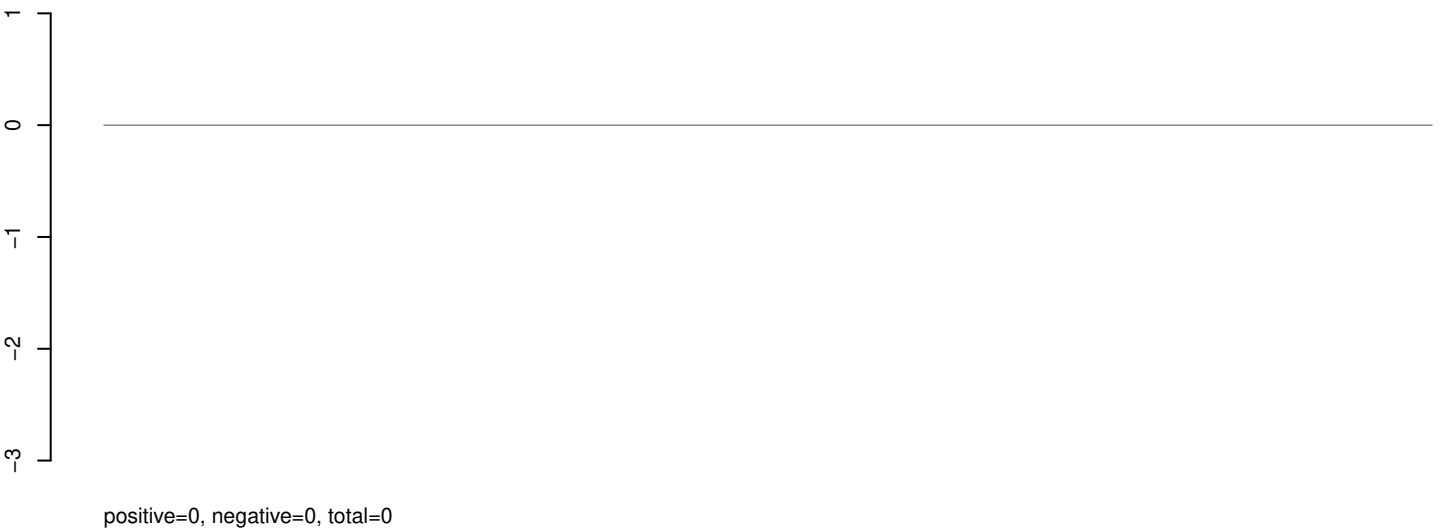


Window size=25, length=3893, virus@GU452720.1-Mosquito\_densovirus\_BR\_07:1-3893

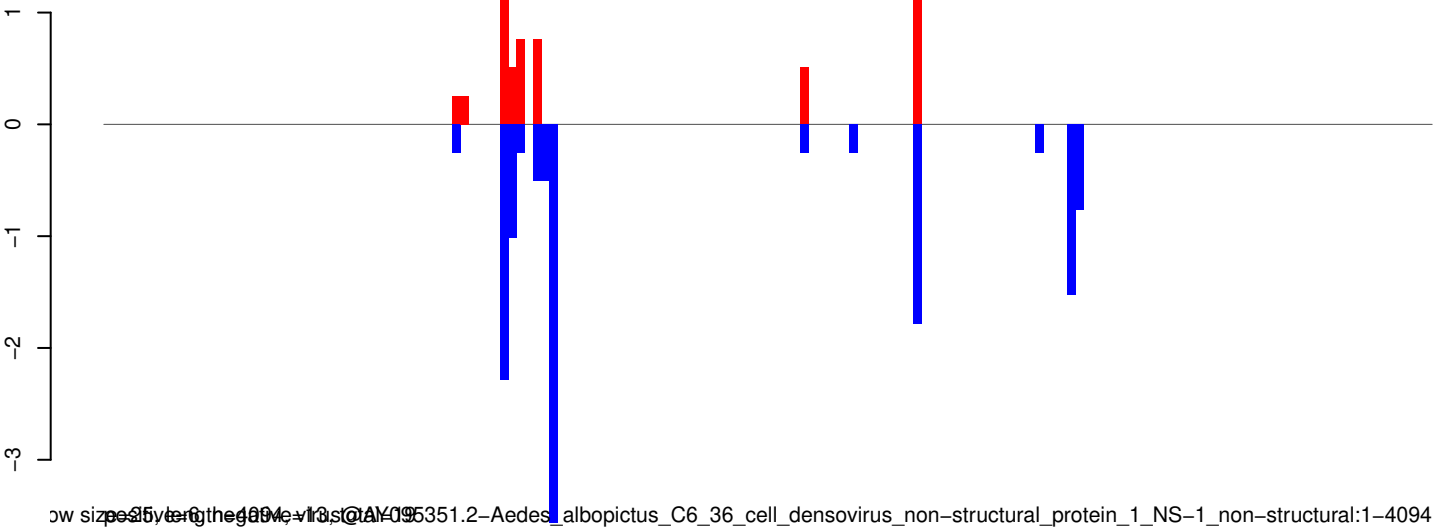
### AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep



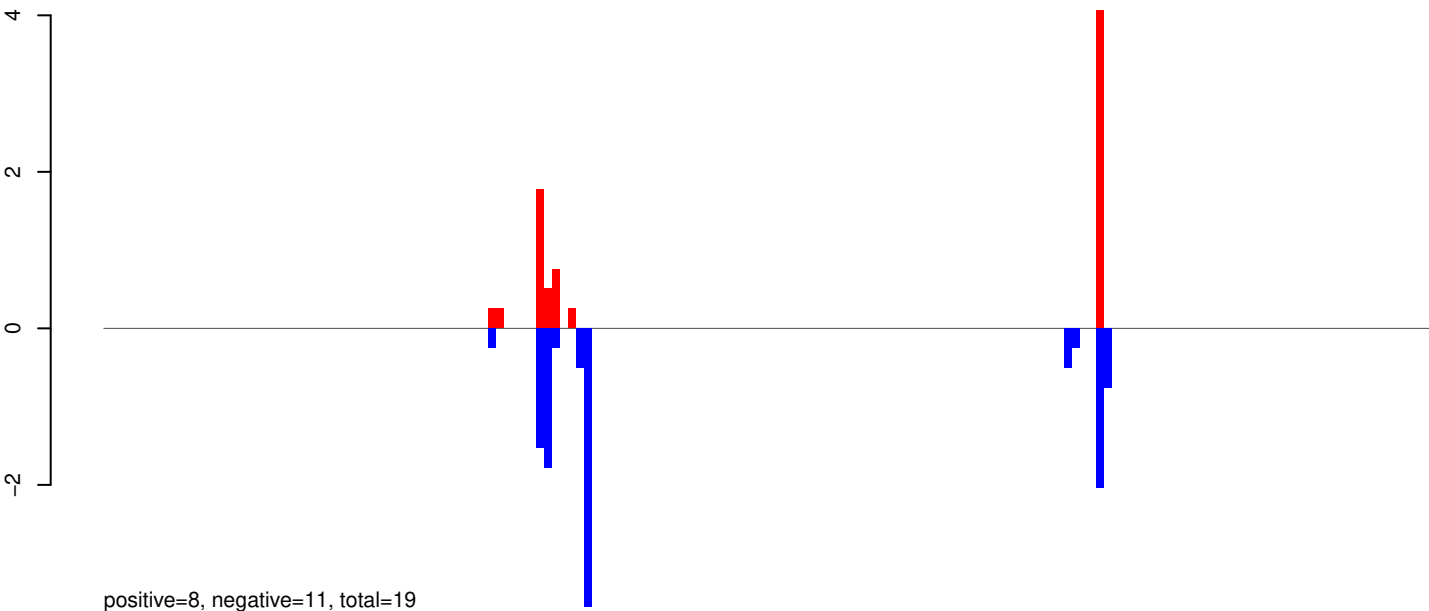
### AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep



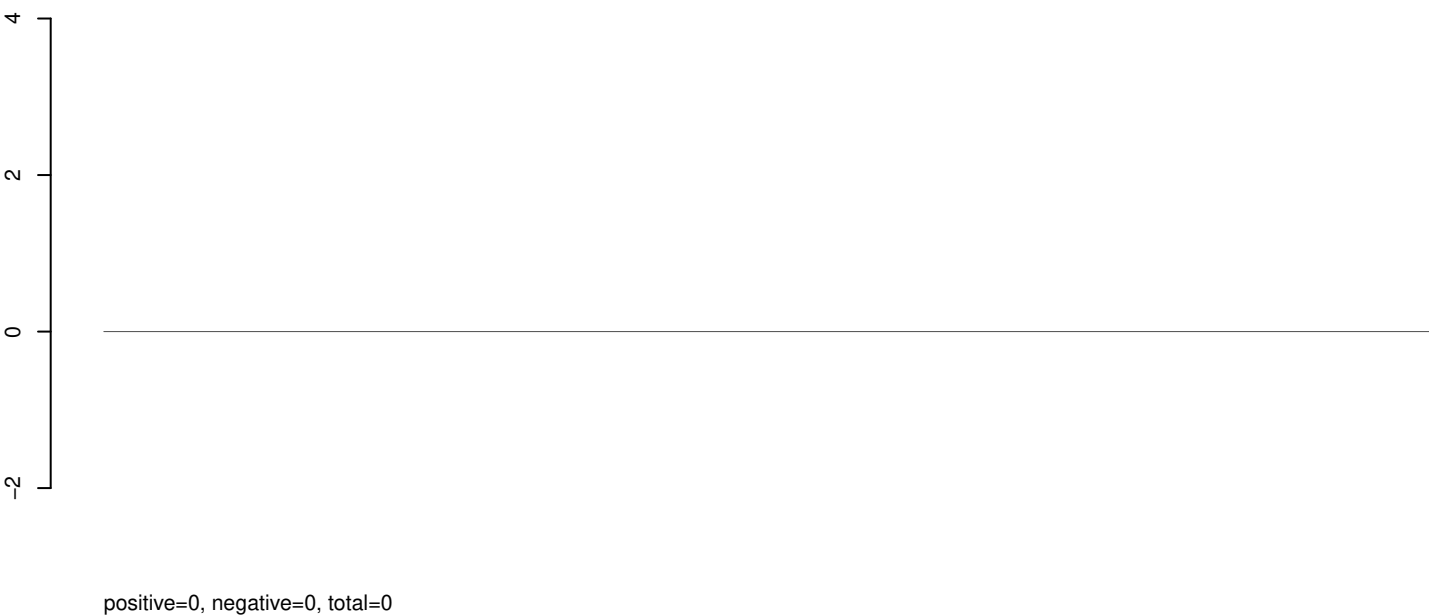
### AeAeg\_Aag2SINV\_Piwi4.IP.rep



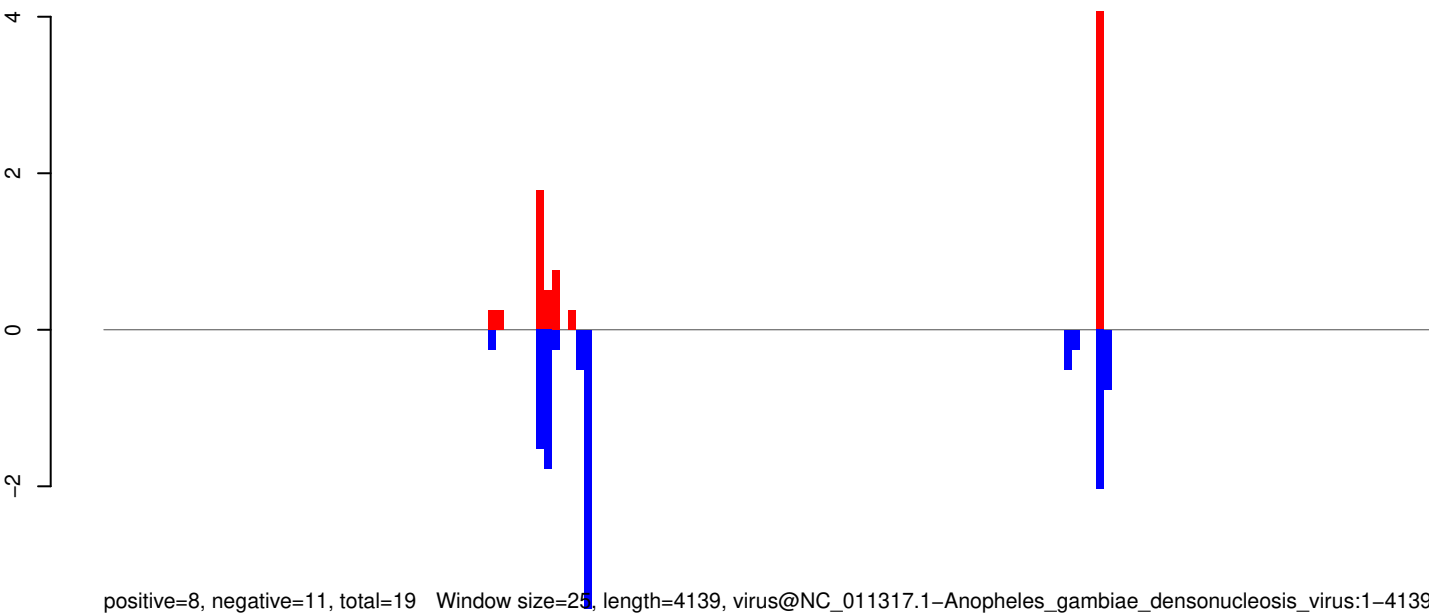
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

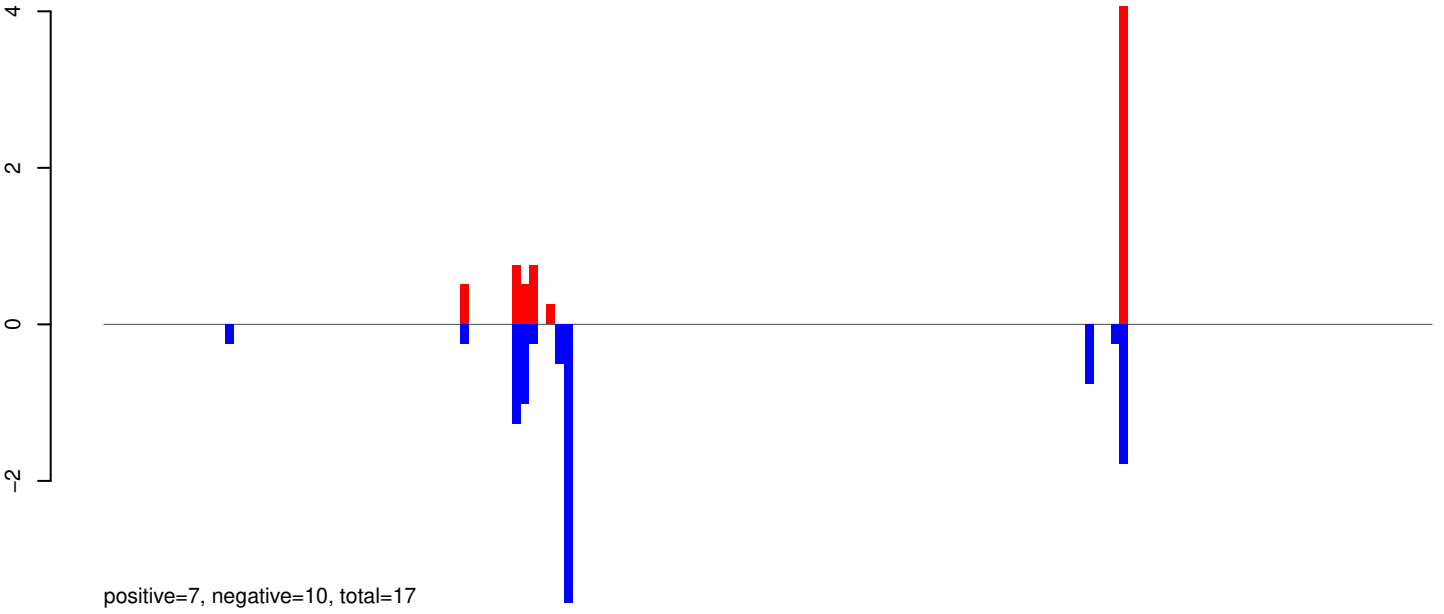


Window size=25, length=4139, virus@NC\_011317.1-Anopheles\_gambiae\_densonucleosis\_virus:1-4139

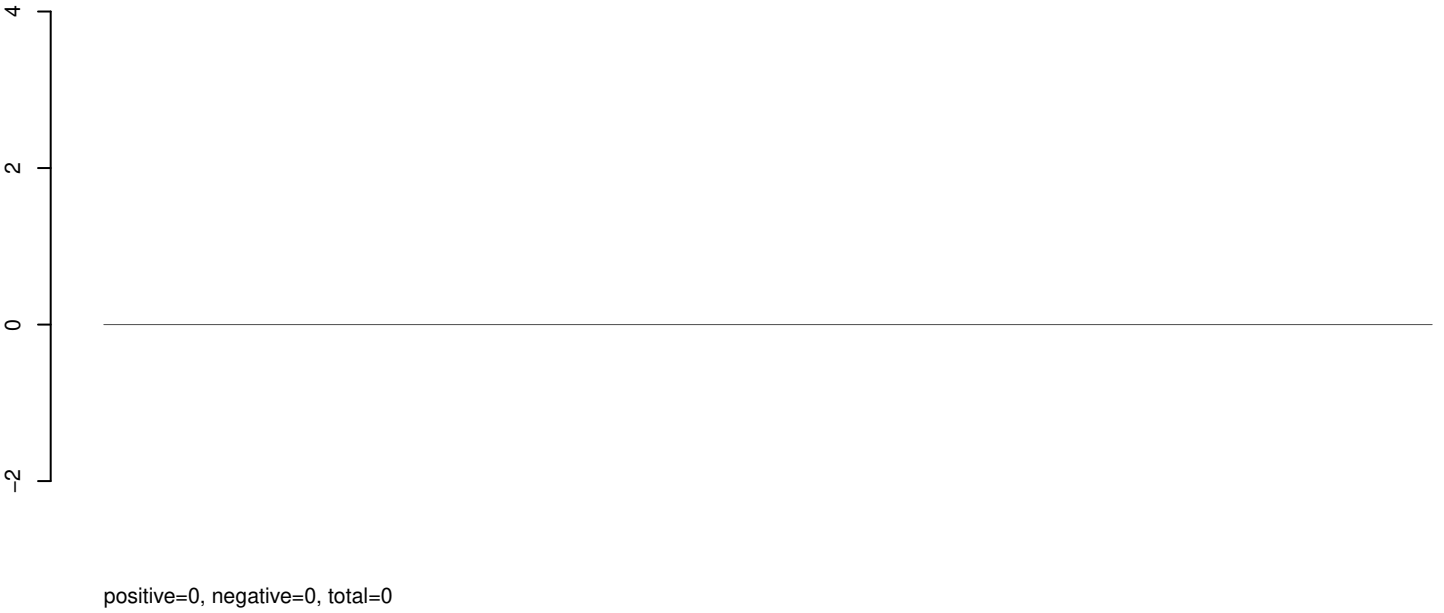
0 1000 2000 3000 4000



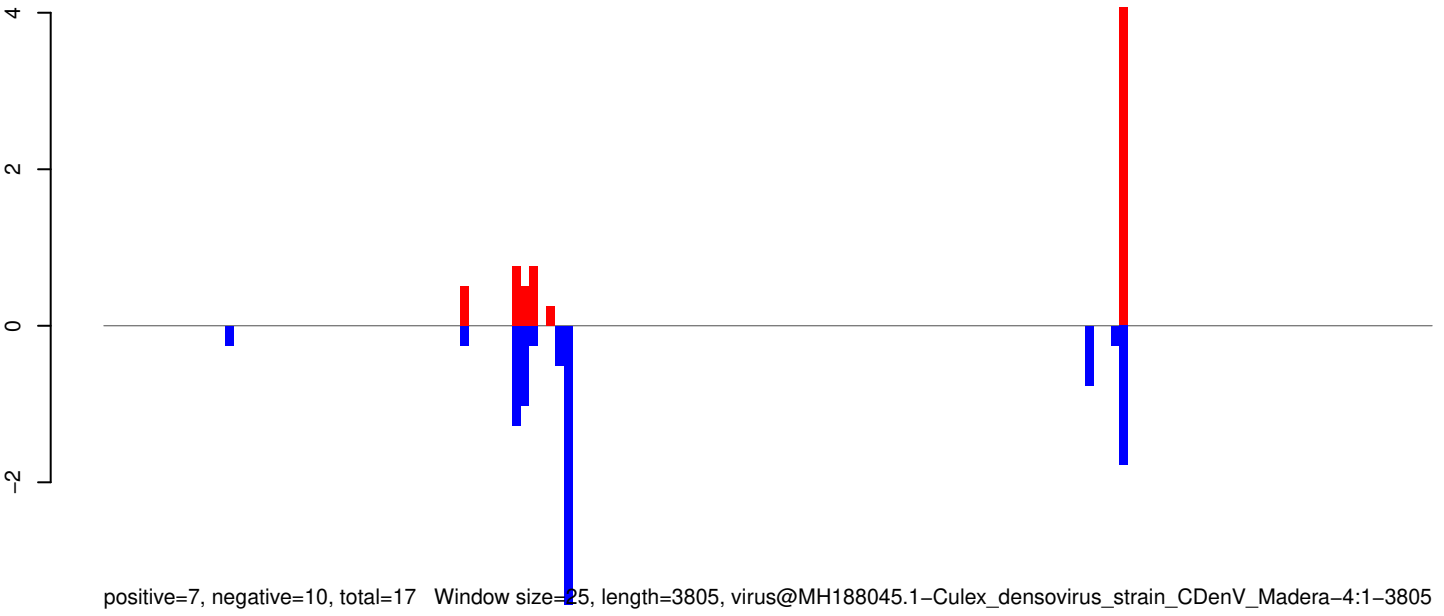
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

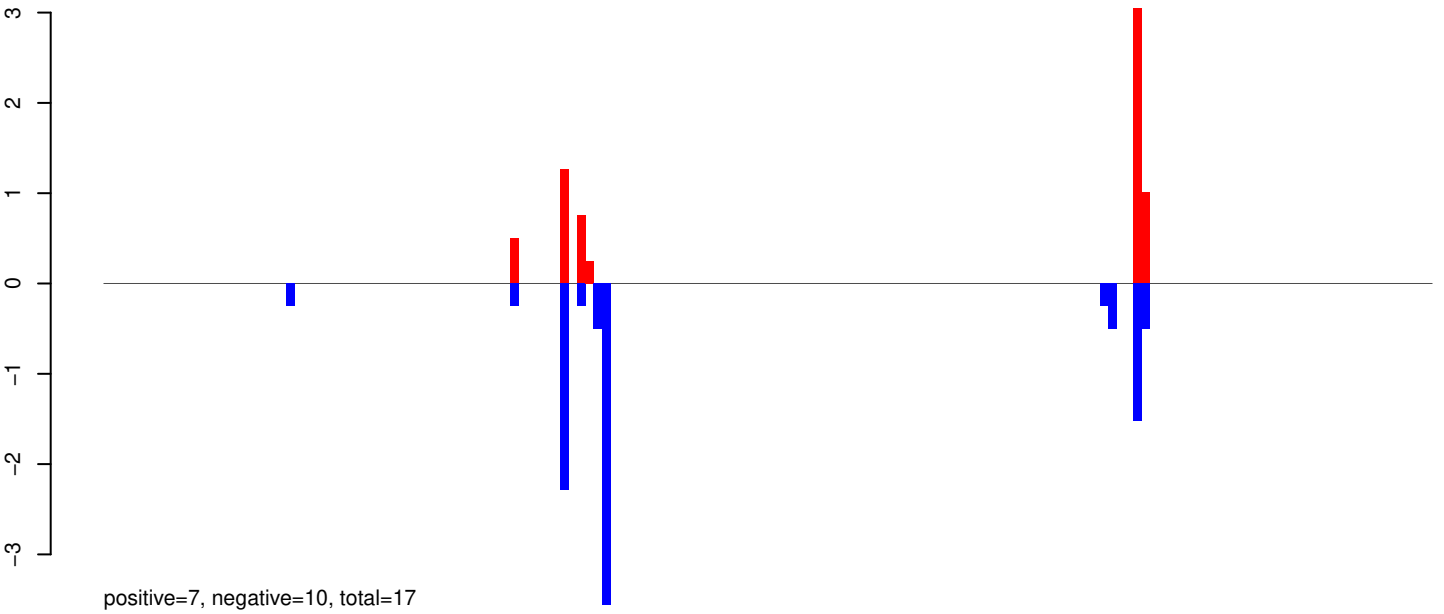


Window size=25, length=3805, virus@MH188045.1-Culex\_densovirus\_strain\_CDenV\_Madera-4:1-3805

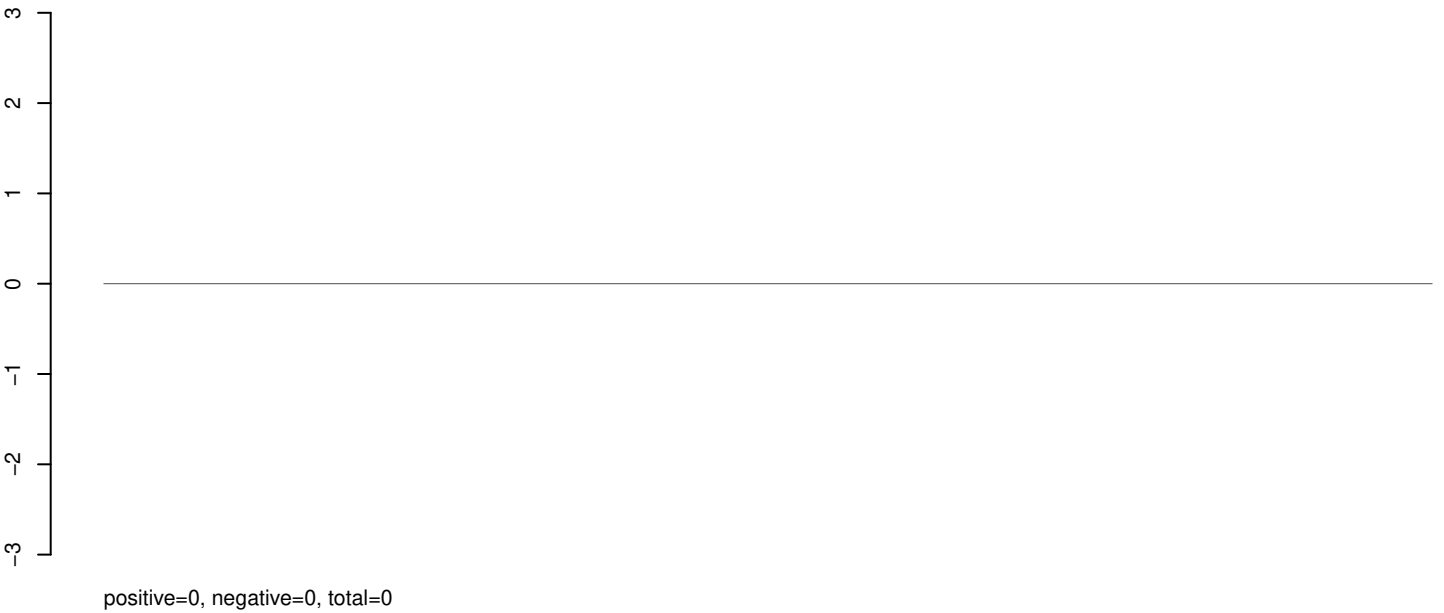
0 1000 2000 3000 4000



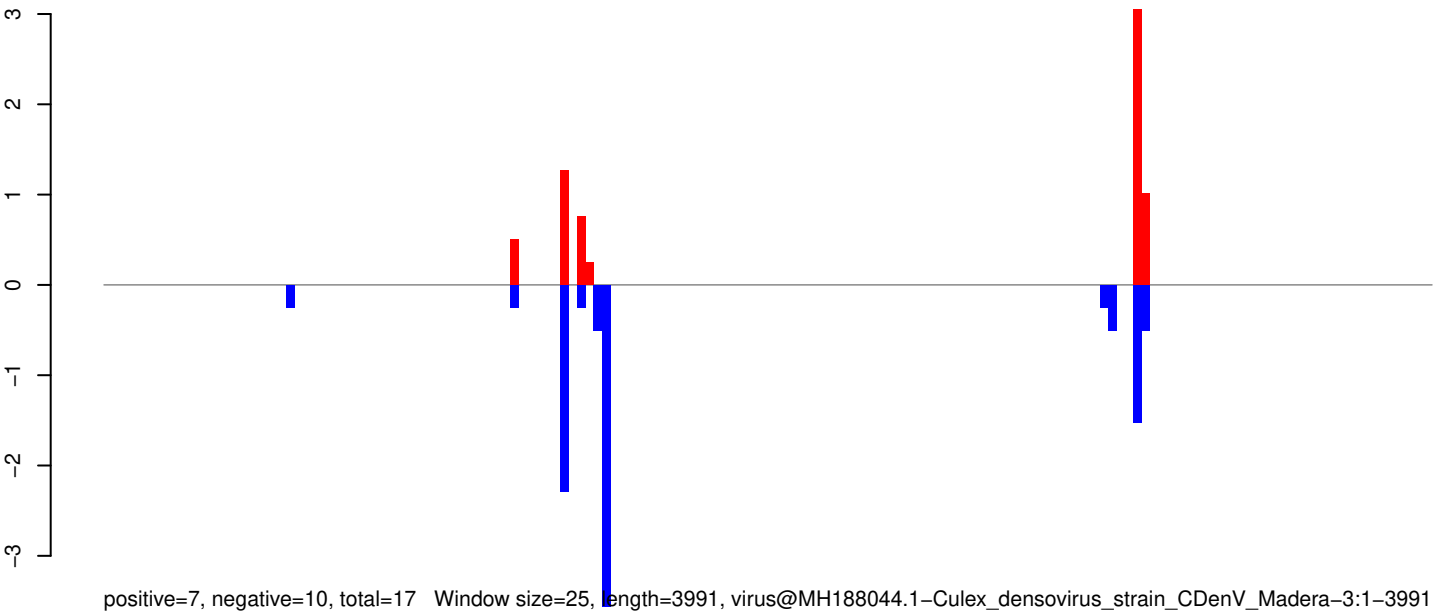
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



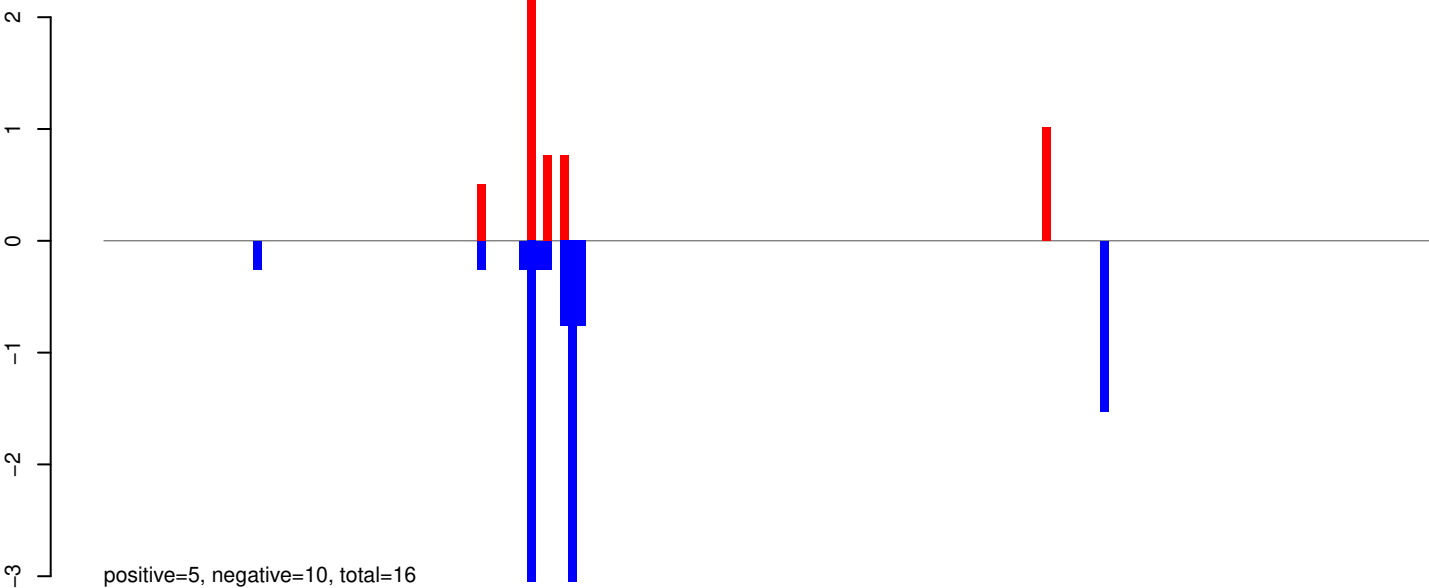
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



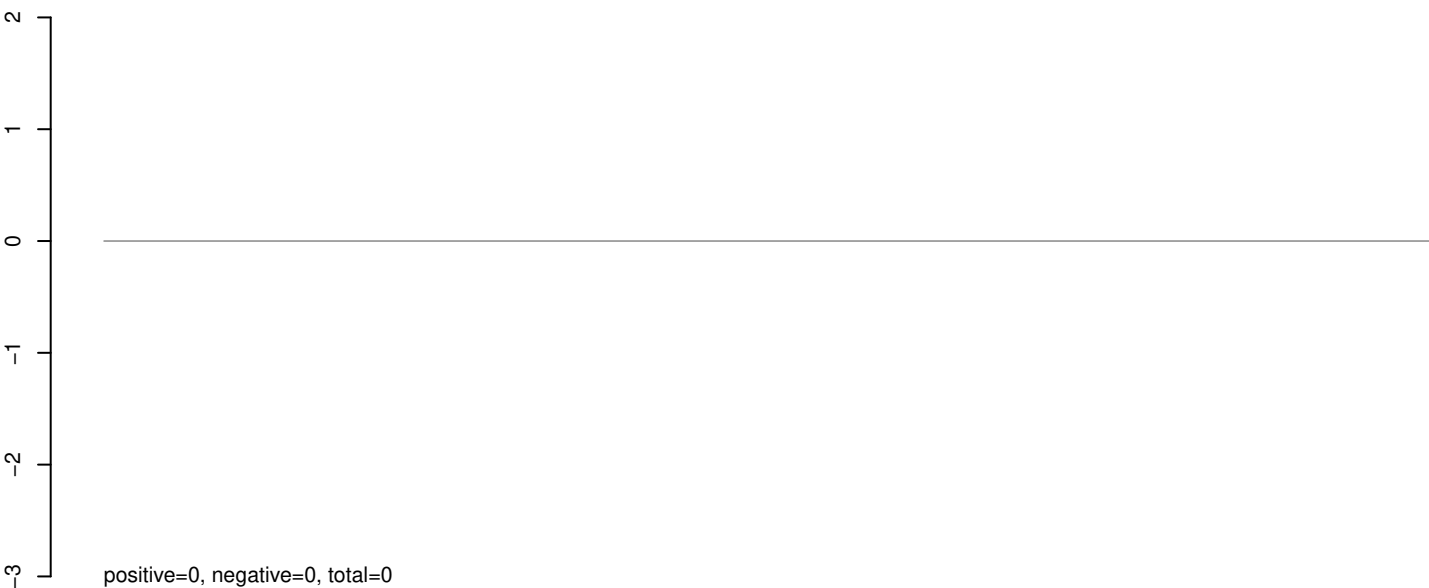
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



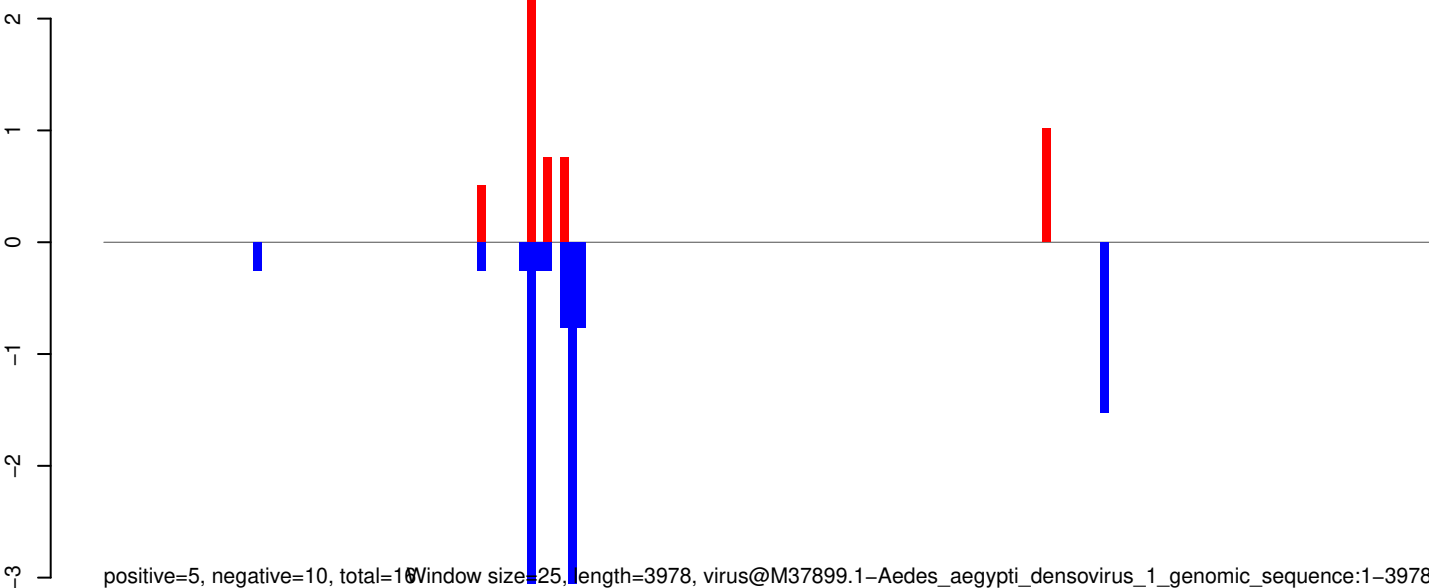
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



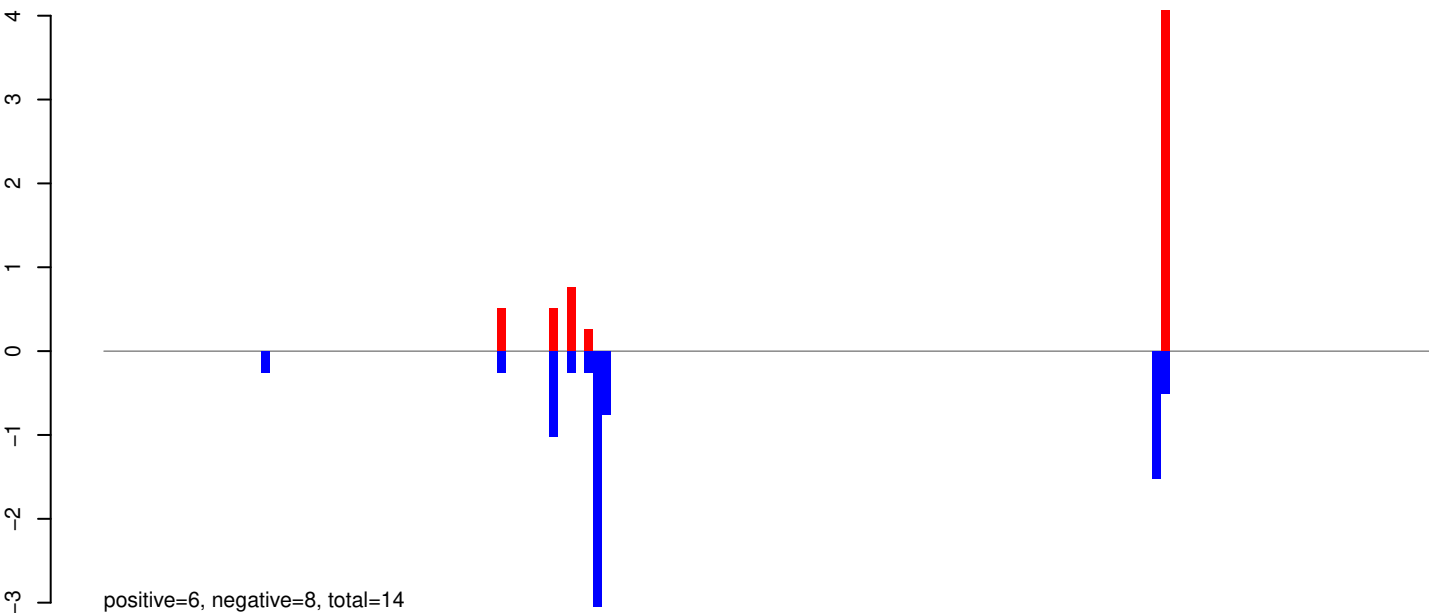
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



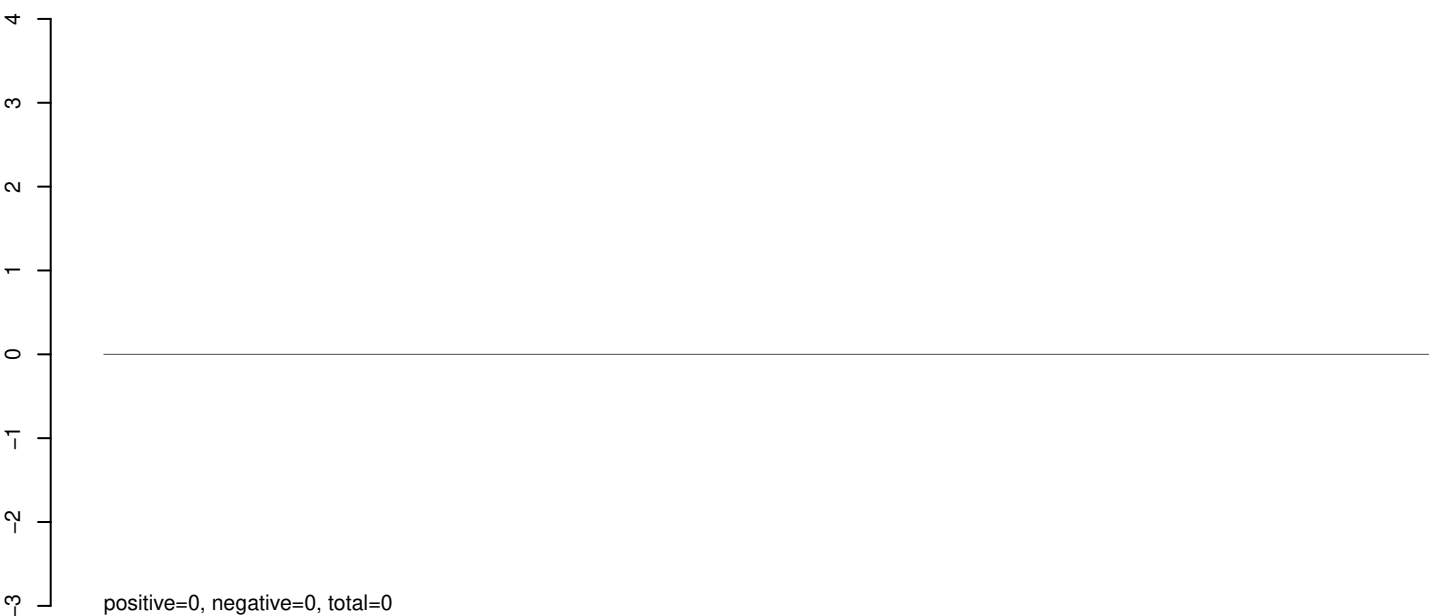
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



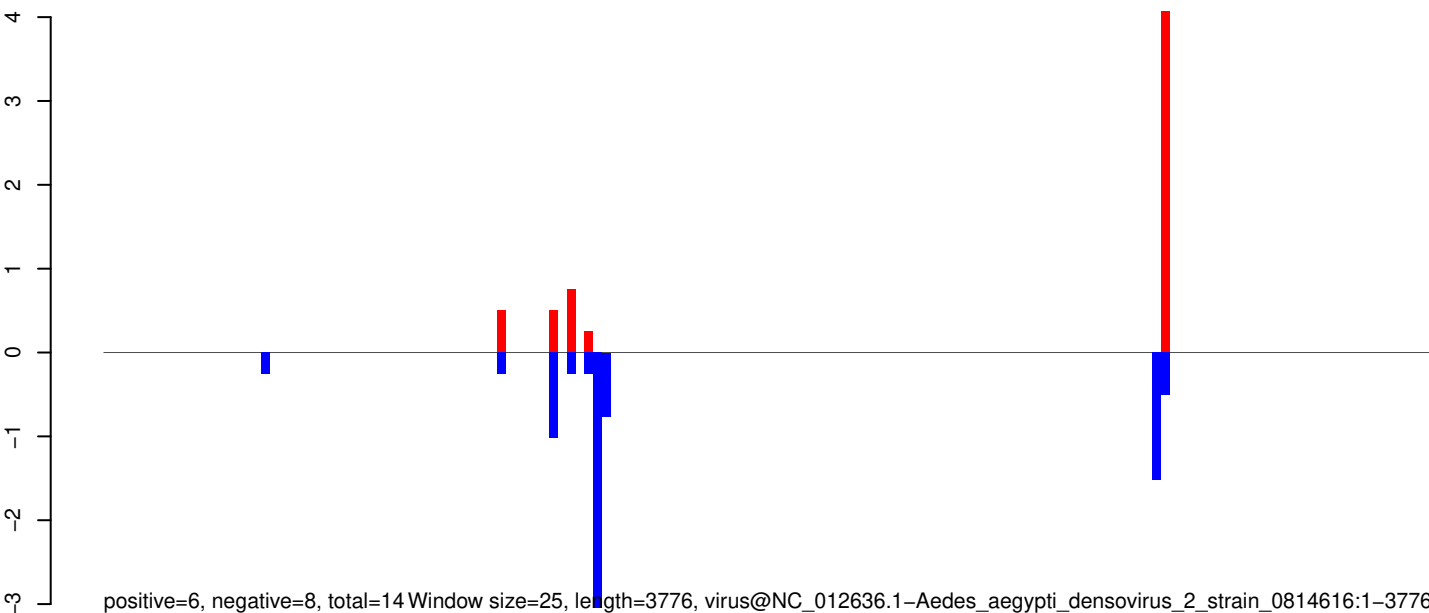
AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep



AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep



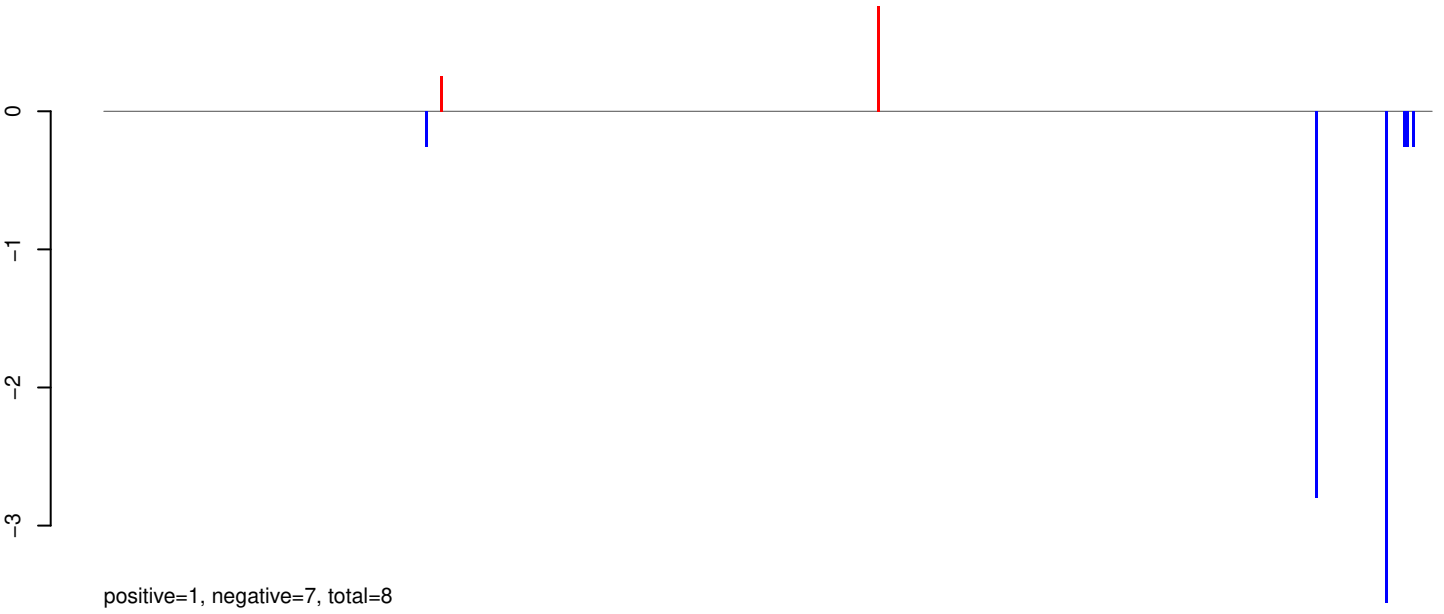
AeAeg\_Aag2SINV\_Piwi4.IP.rep



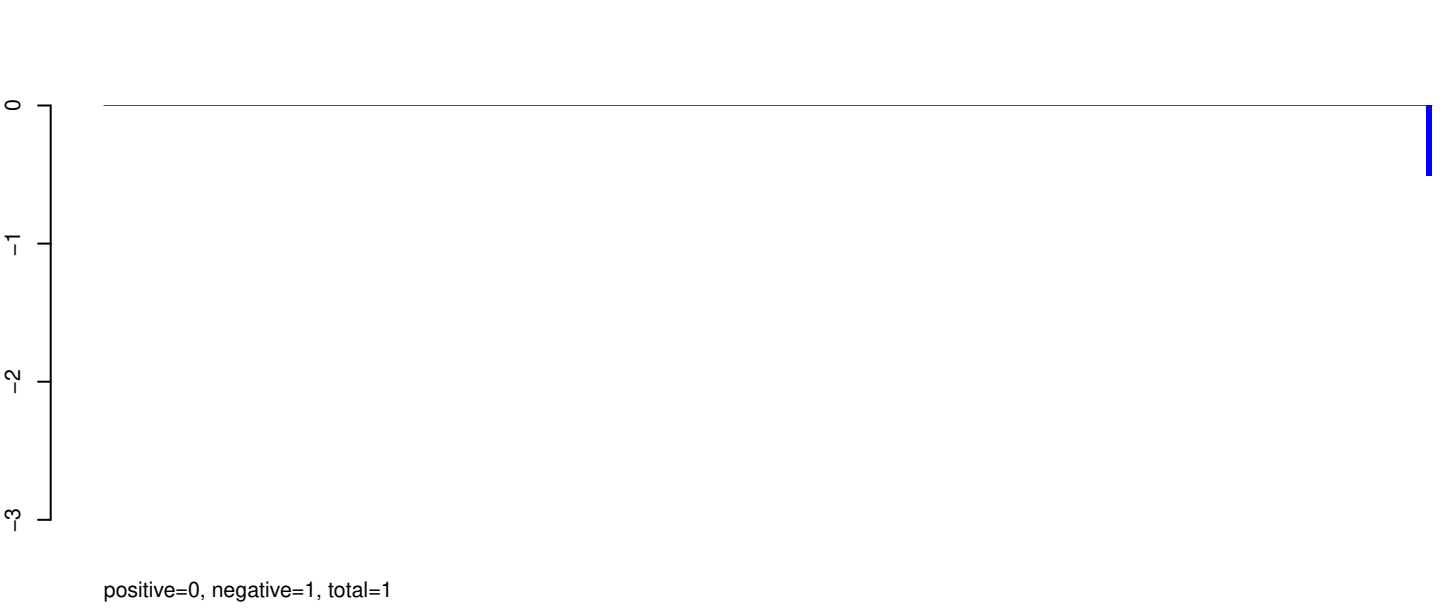
Window size=25, length=3776, virus@NC\_012636.1-Aedes\_aegypti\_densovirus\_2\_strain\_0814616:1-3776

0 1000 2000 3000

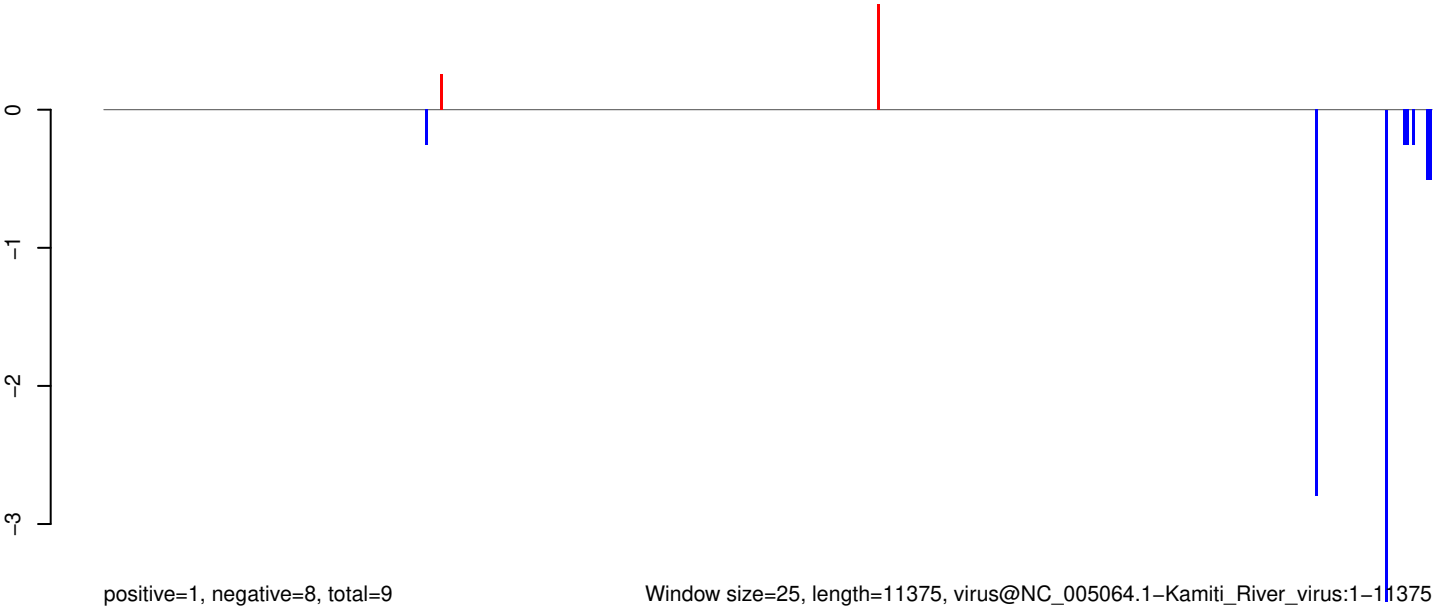
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



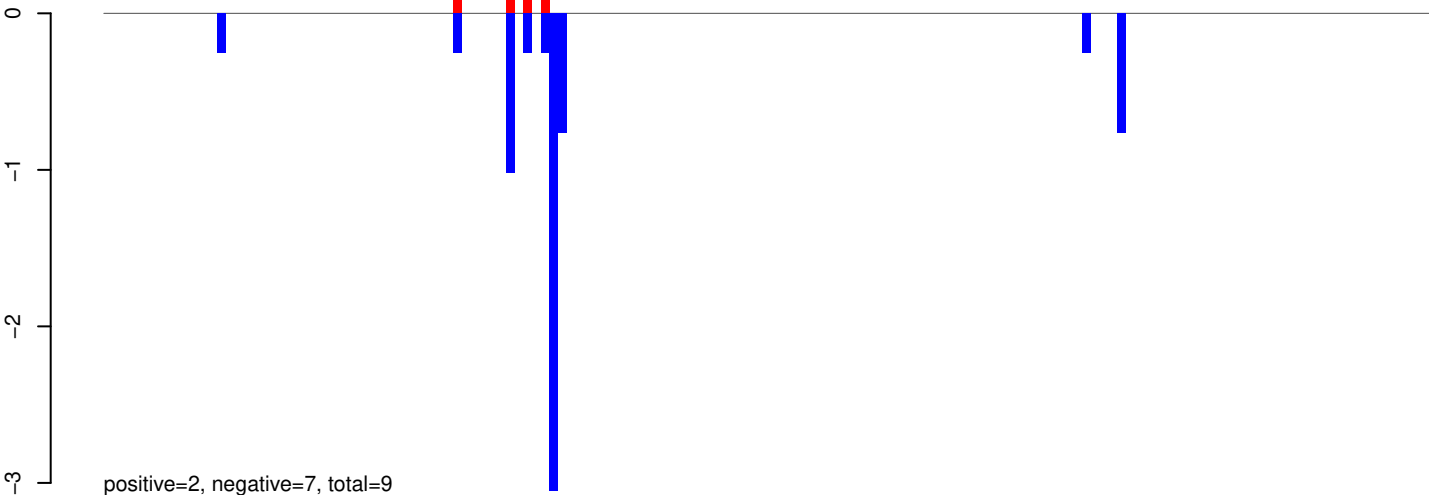
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



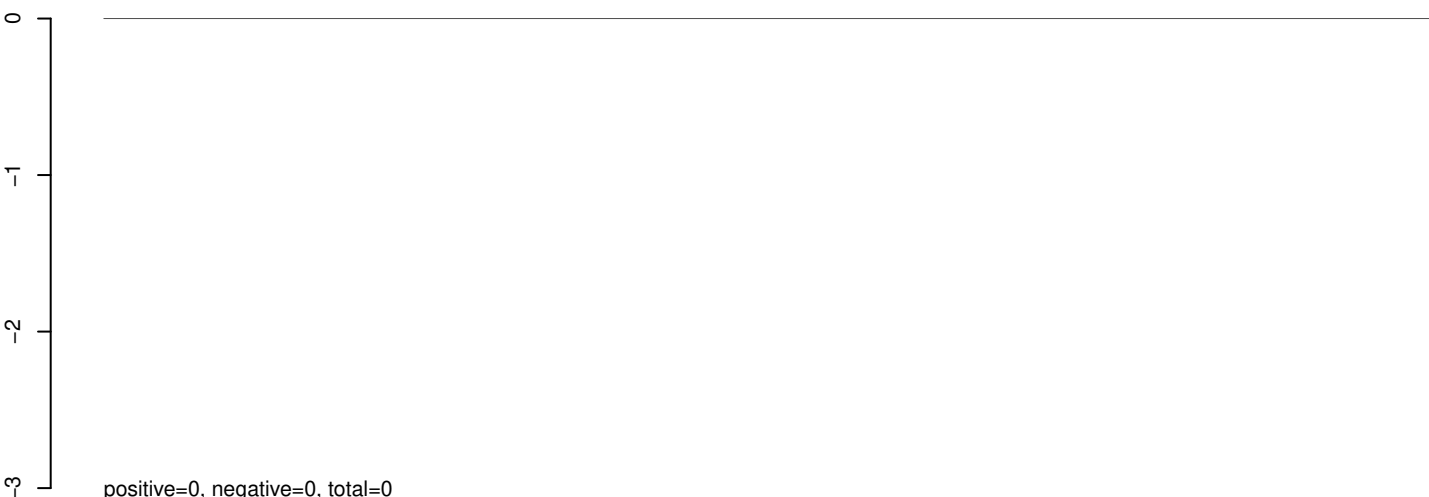
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



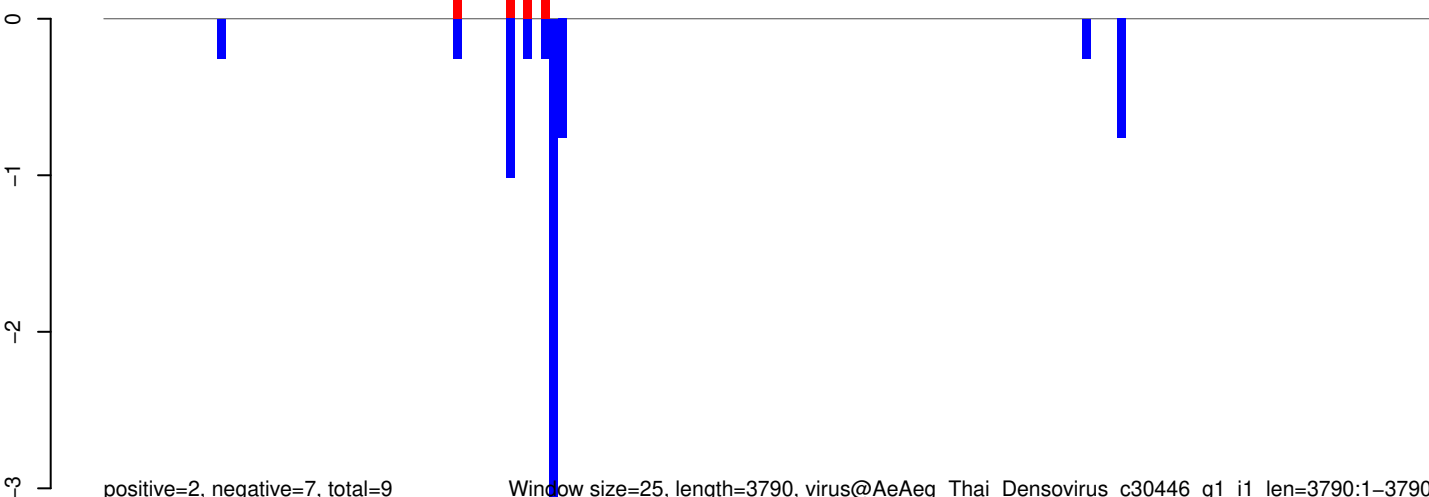
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



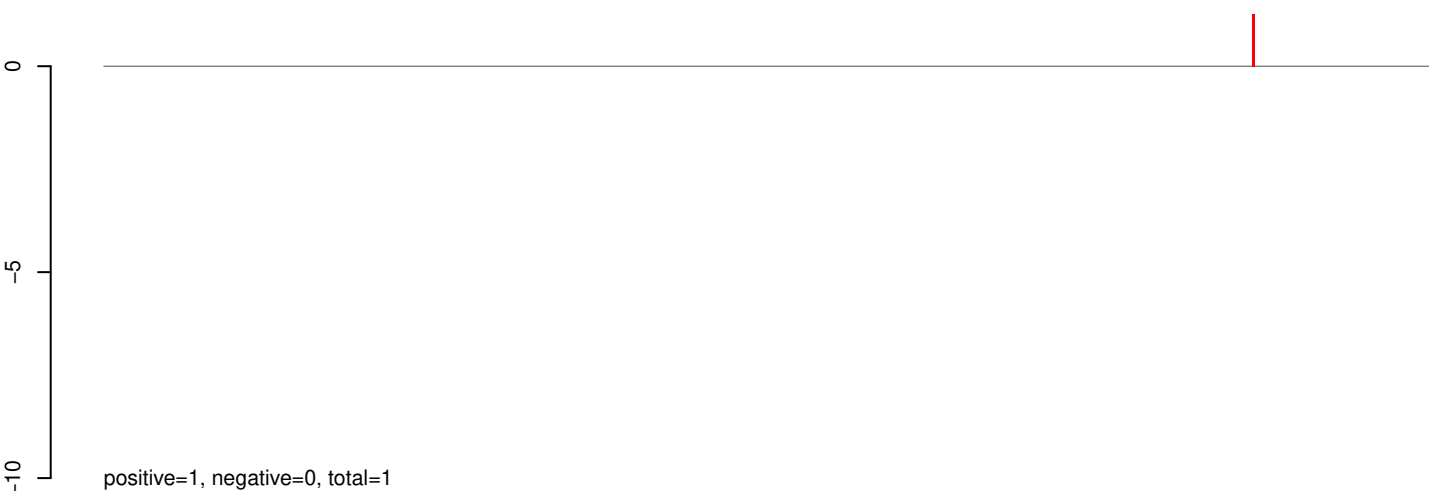
Window size=25, length=3790, virus@AeAeg\_Thai\_Densovirus\_c30446\_g1\_i1\_len=3790:1-3790

0 1000 2000 3000

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



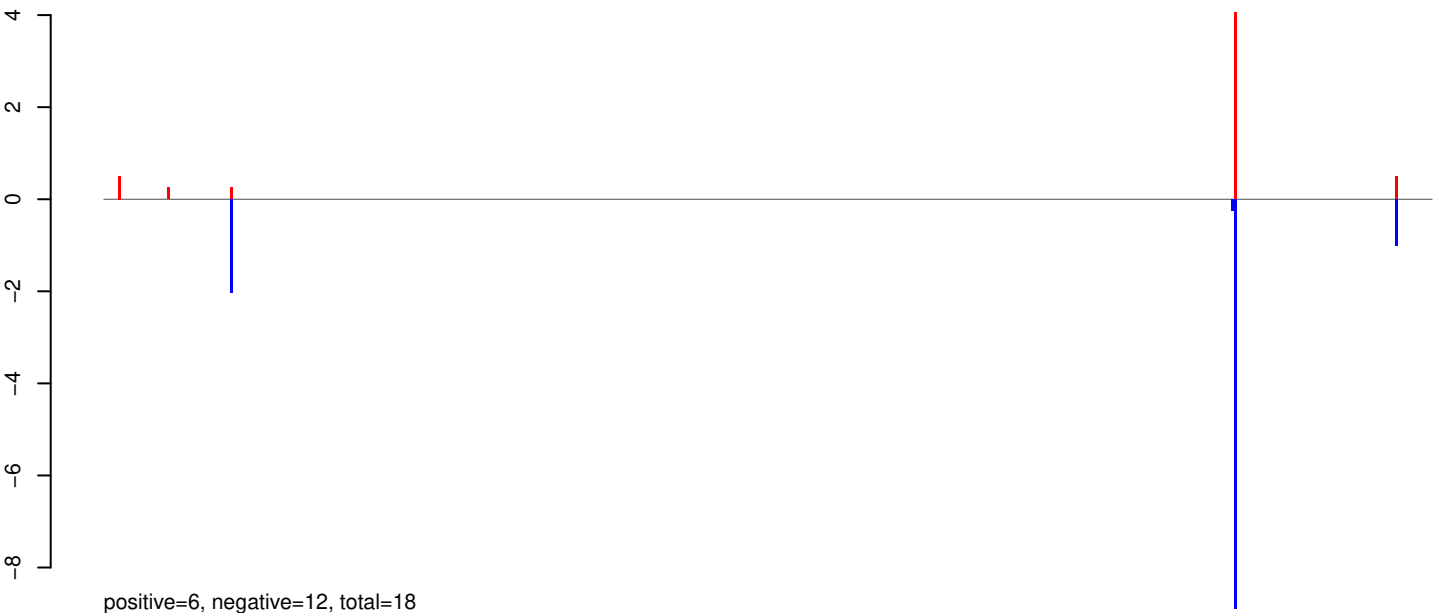
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



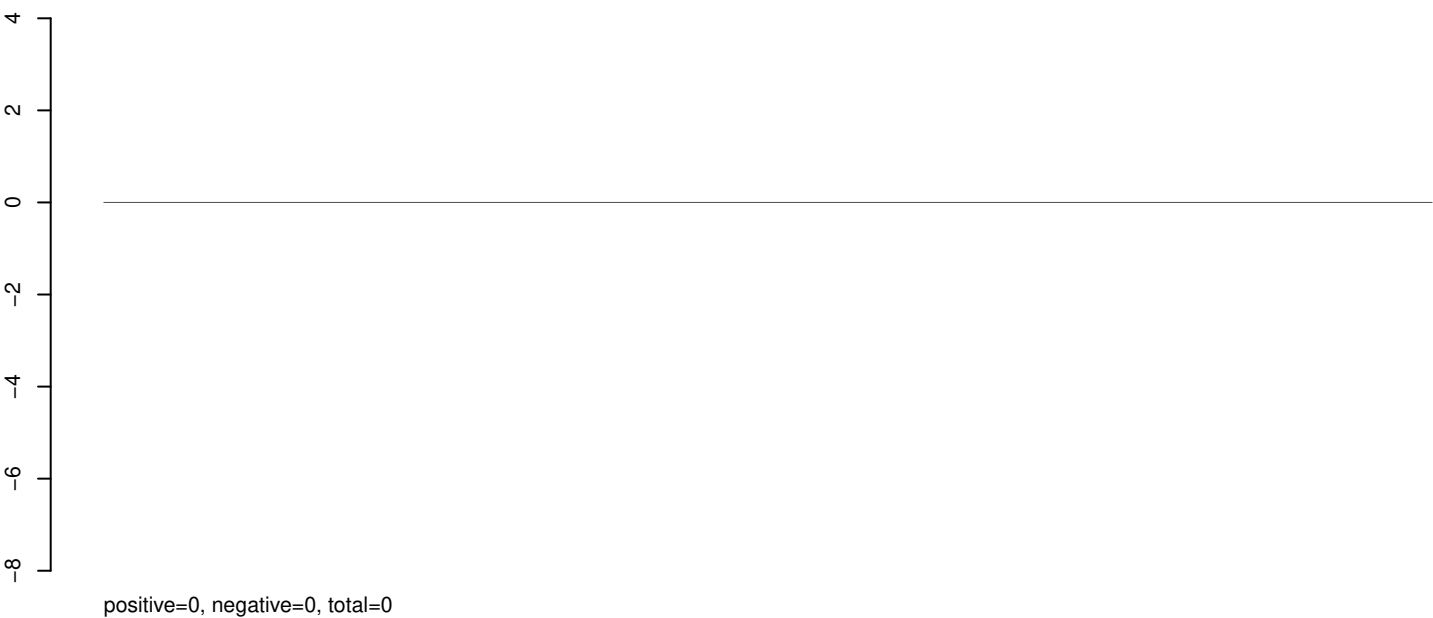
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



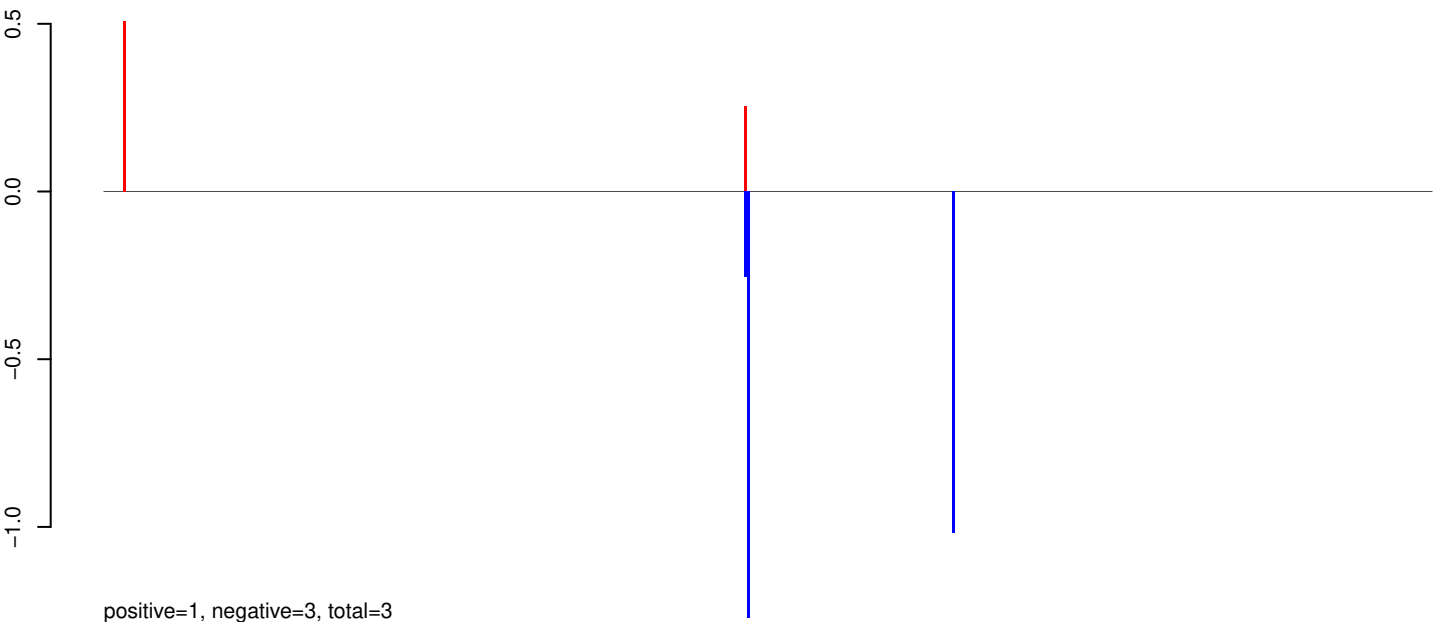
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



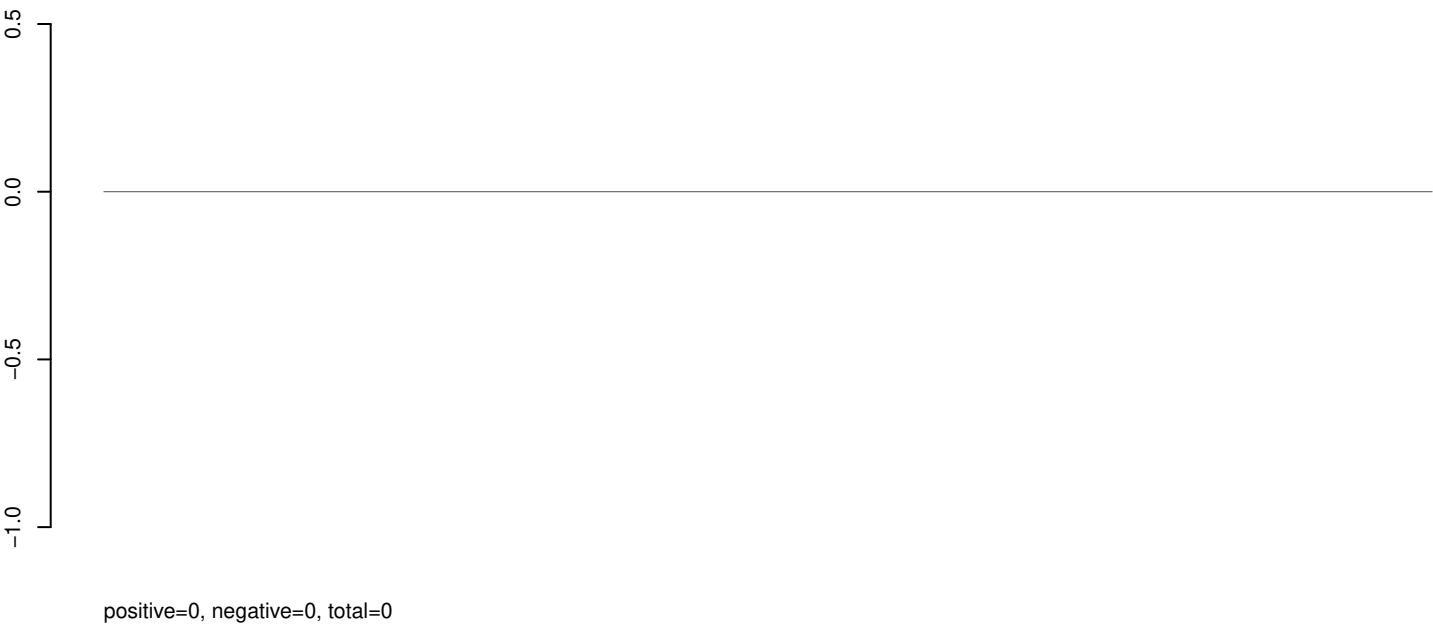
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



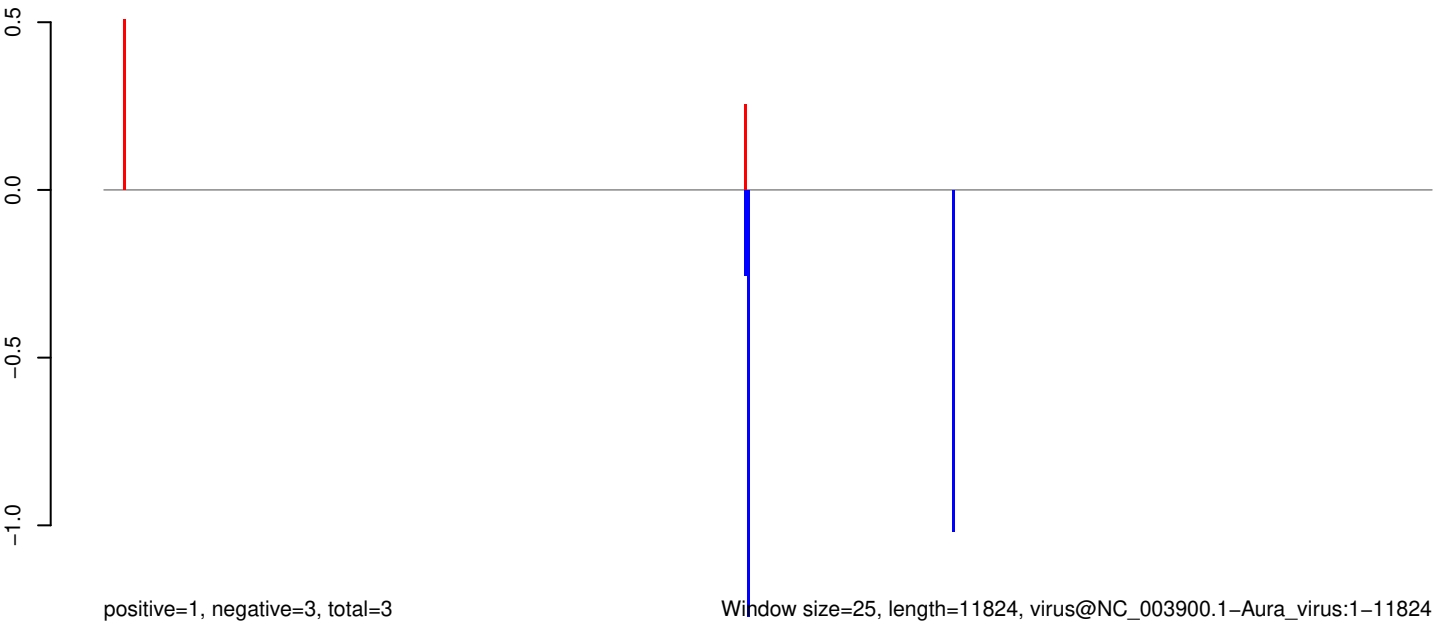
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

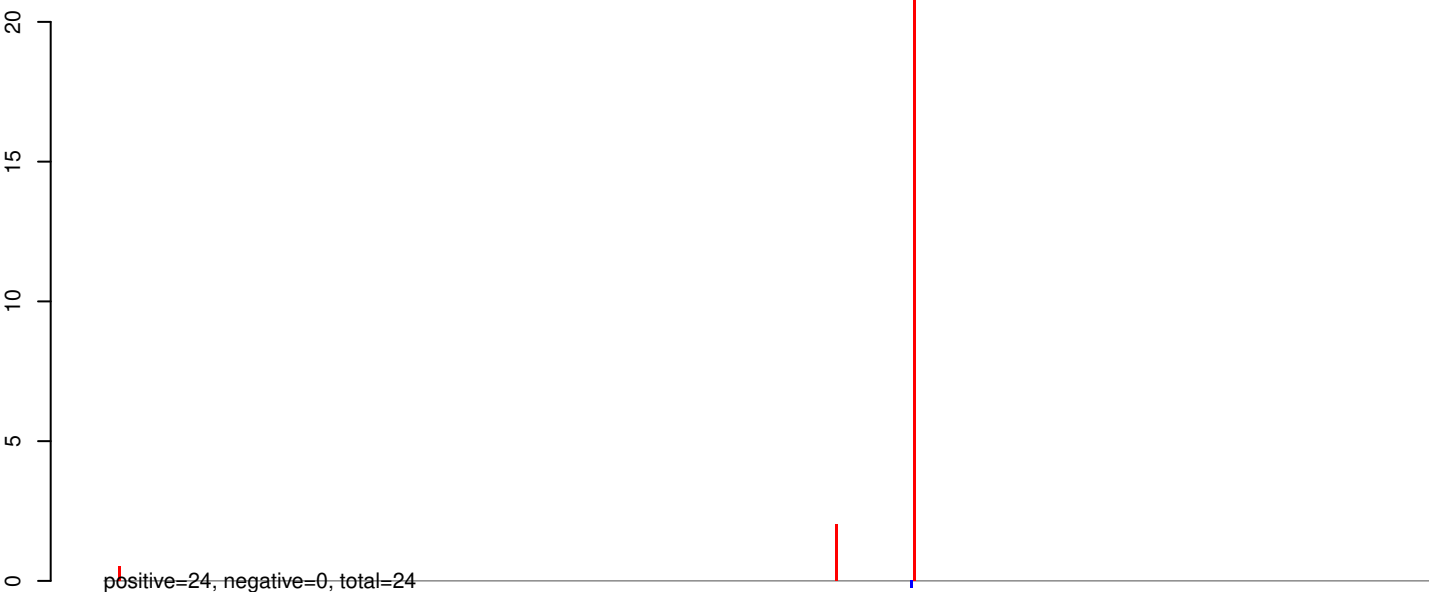


Window size=25, length=11824, virus@NC\_003900.1-Aura\_virus:1-11824

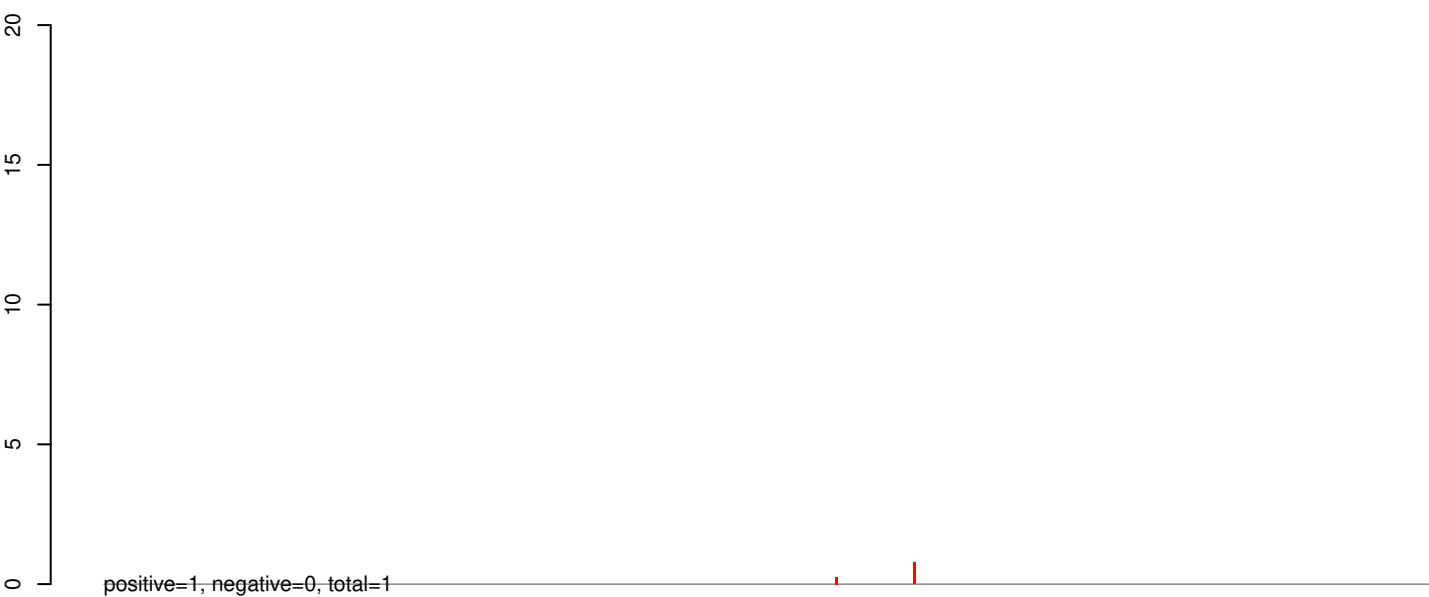
0 2000 4000 6000 8000 10000 12000



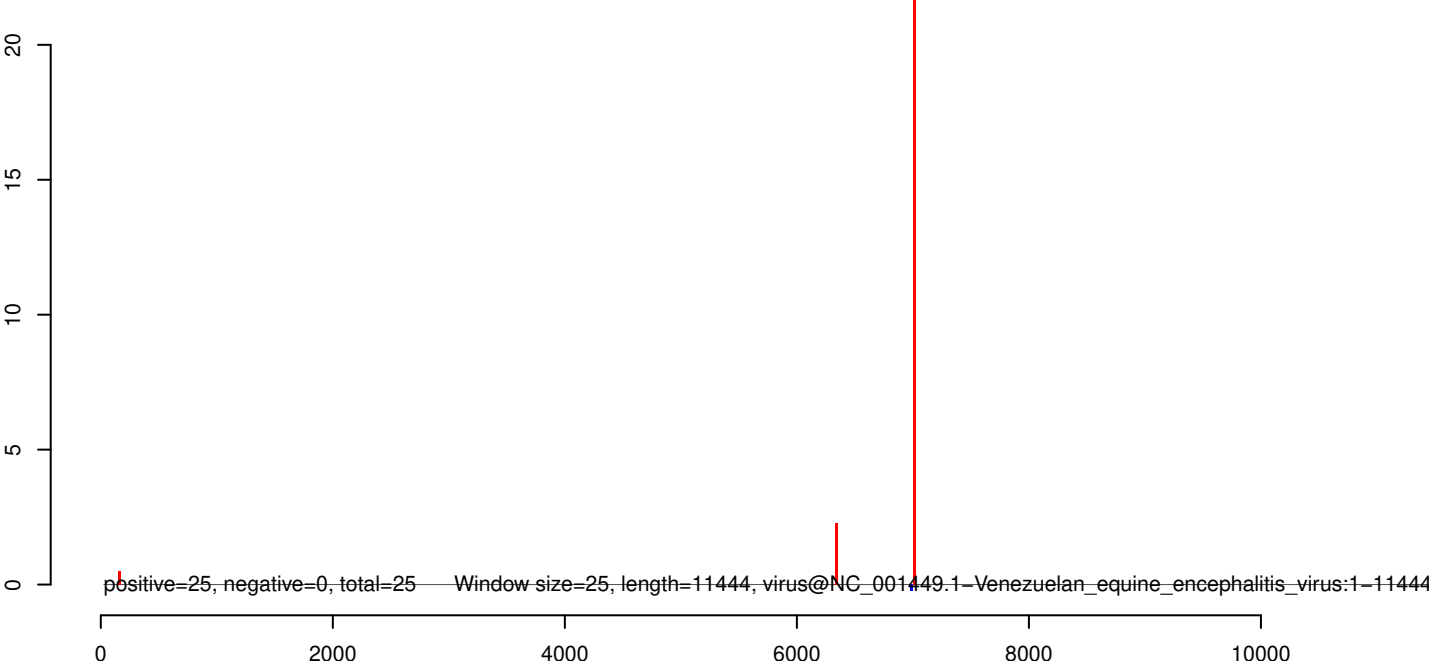
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



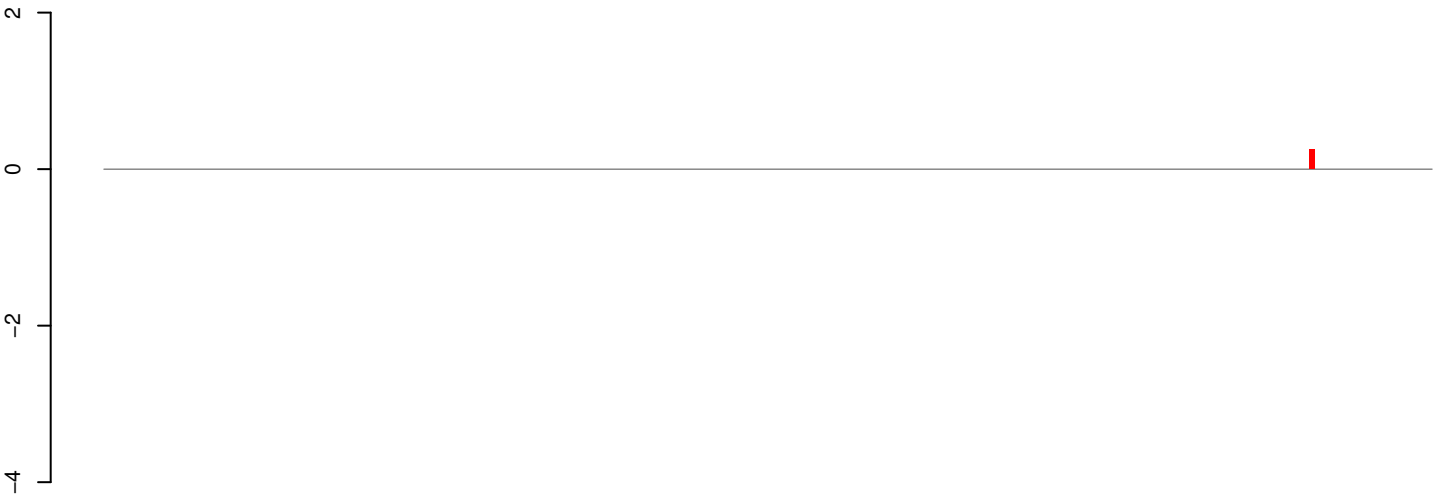
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

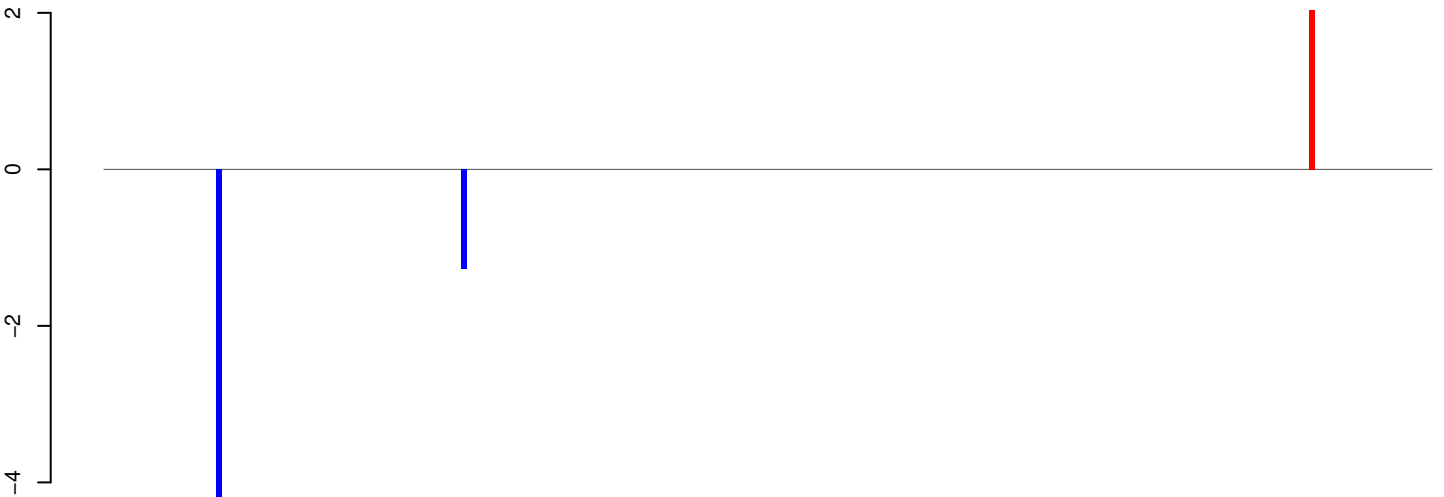


**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



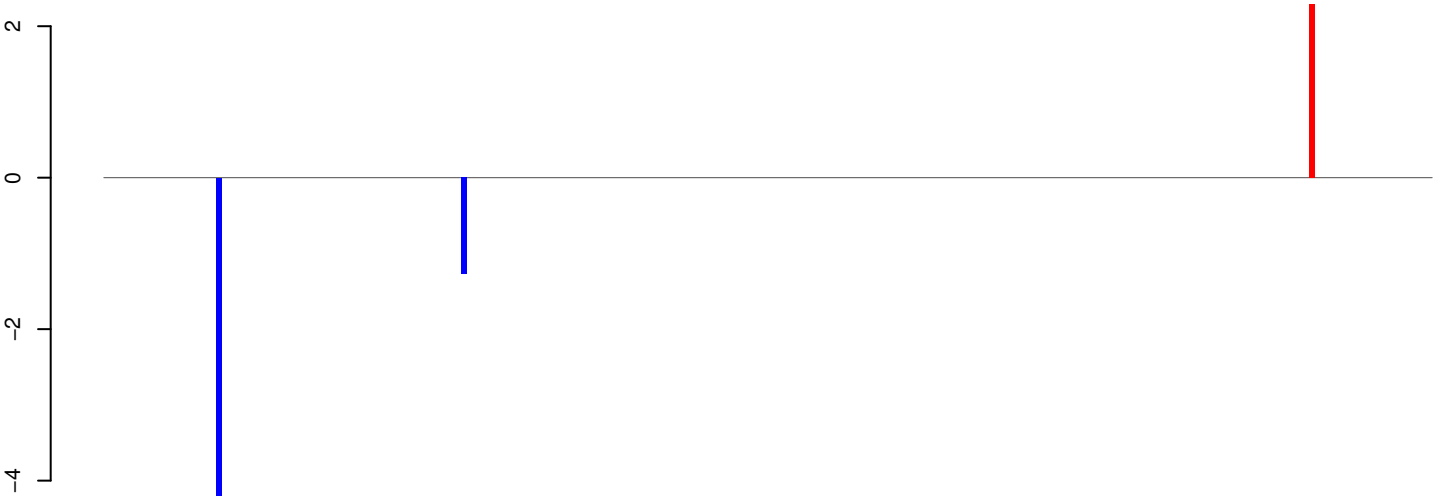
positive=0, negative=0, total=0

**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



positive=2, negative=7, total=9

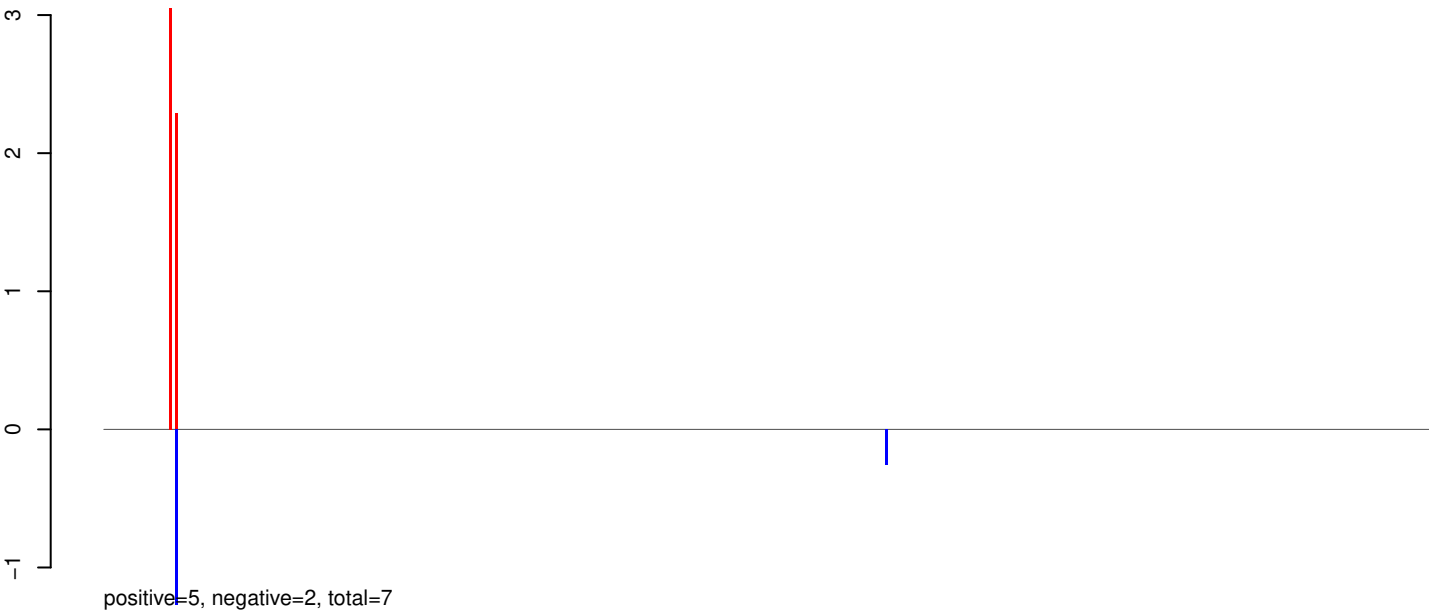
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



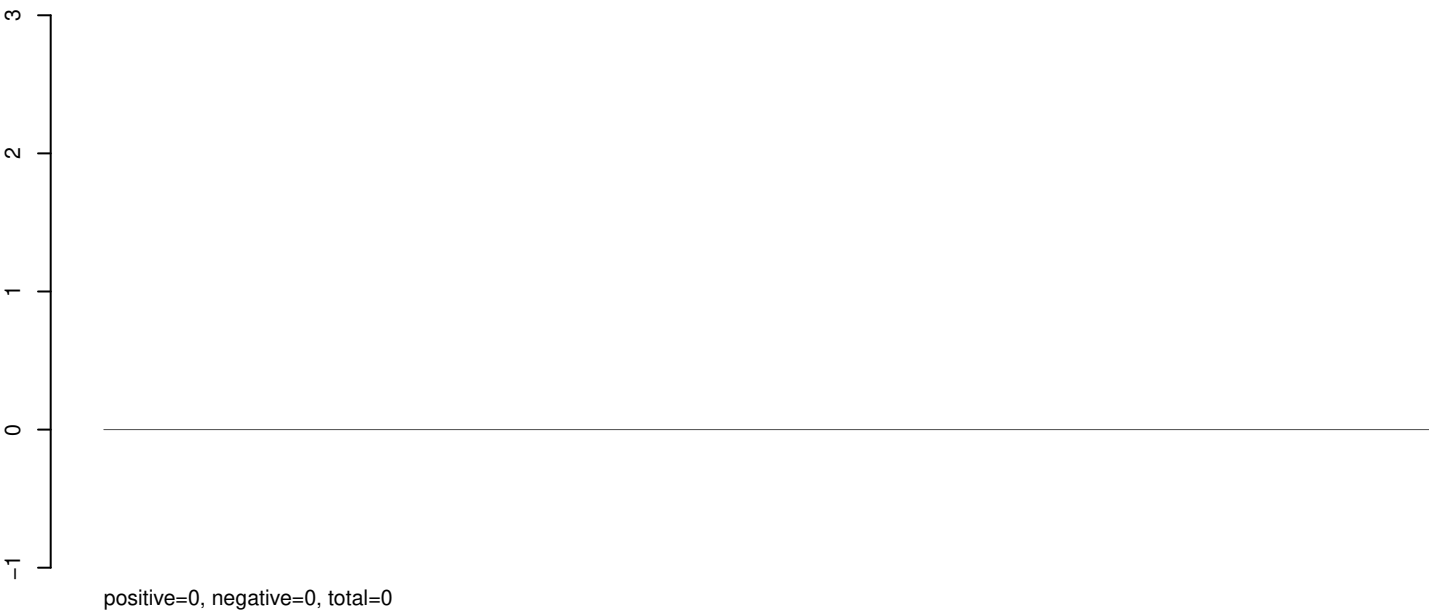
positive=2, negative=7, total=9, window size=25, length=6203, virus@NC\_035674.1-Australian\_Anopheles\_totivirus\_isolate\_AATV\_150840:1-6203

0 1000 2000 3000 4000 5000 6000

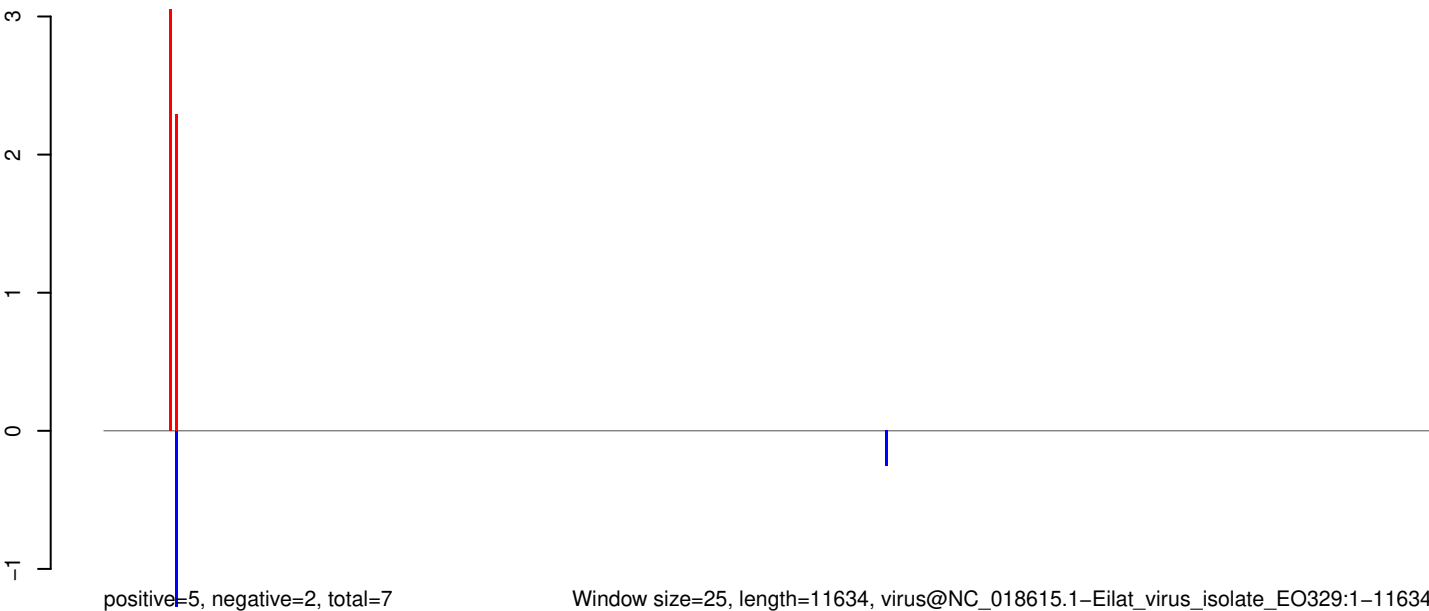
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

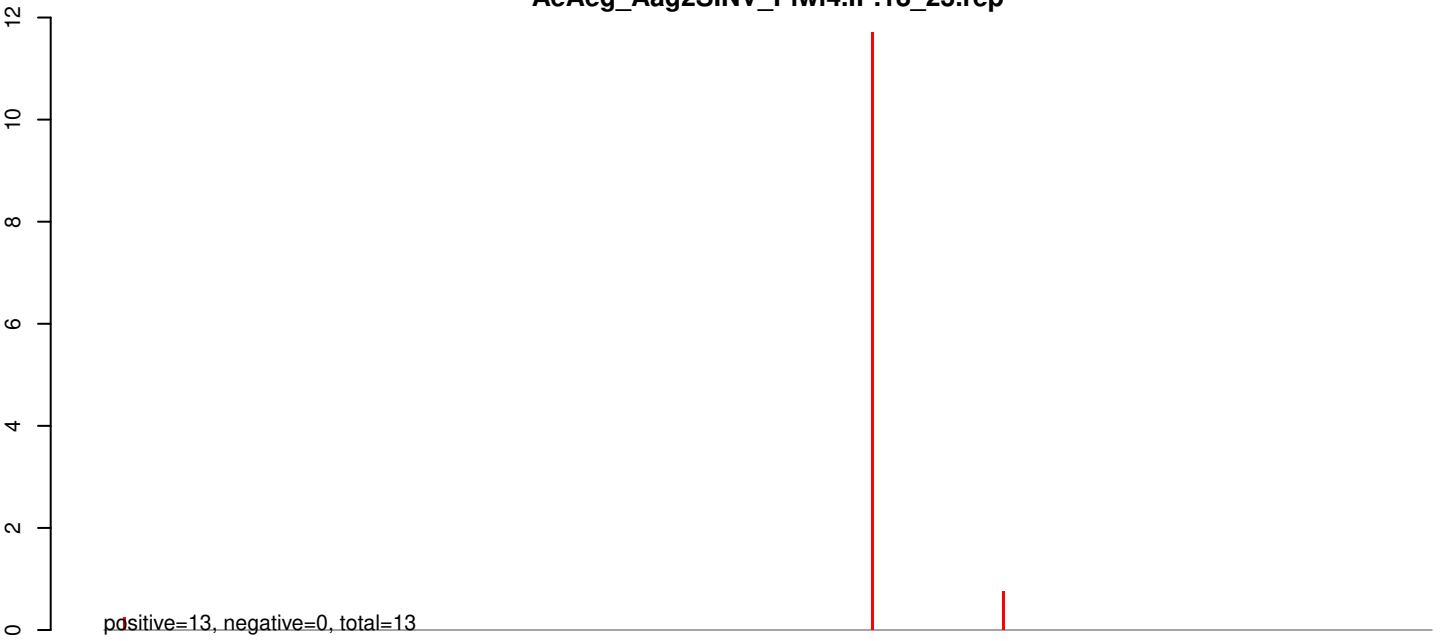


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

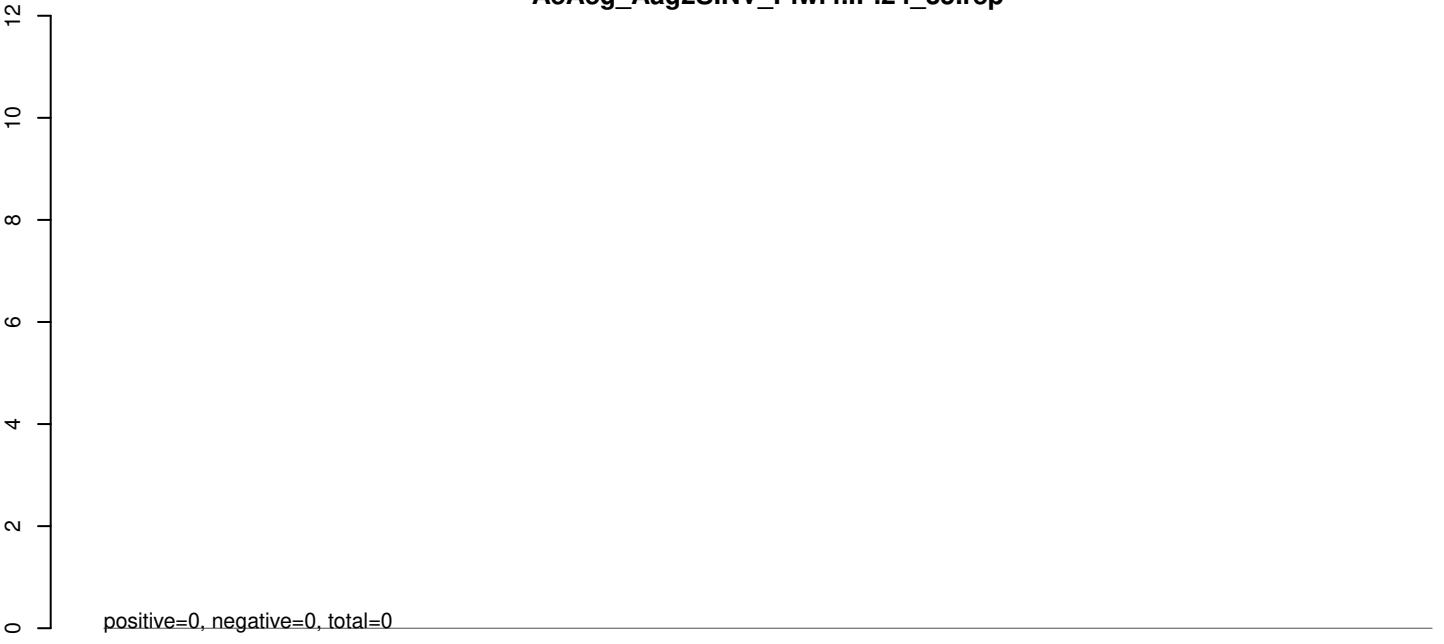


Window size=25, length=11634, virus@NC\_018615.1-Eilat\_virus\_isolate\_EO329:1-11634

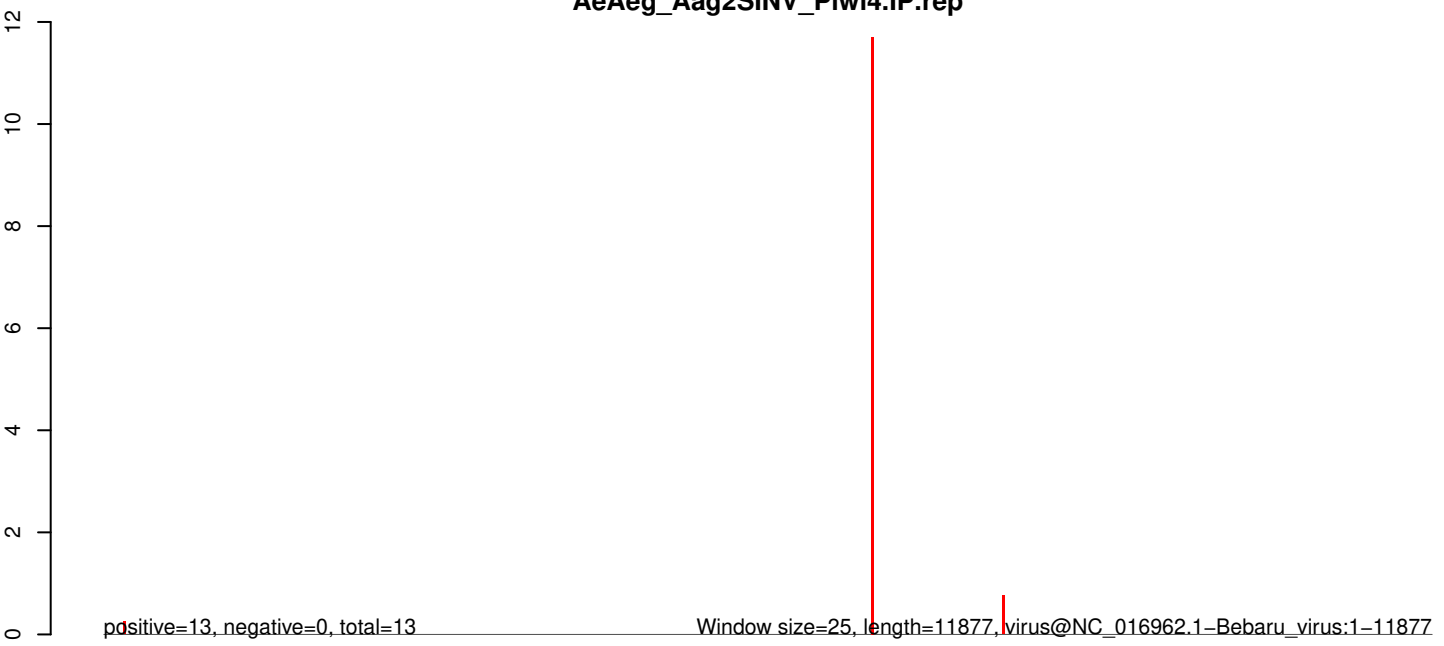
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

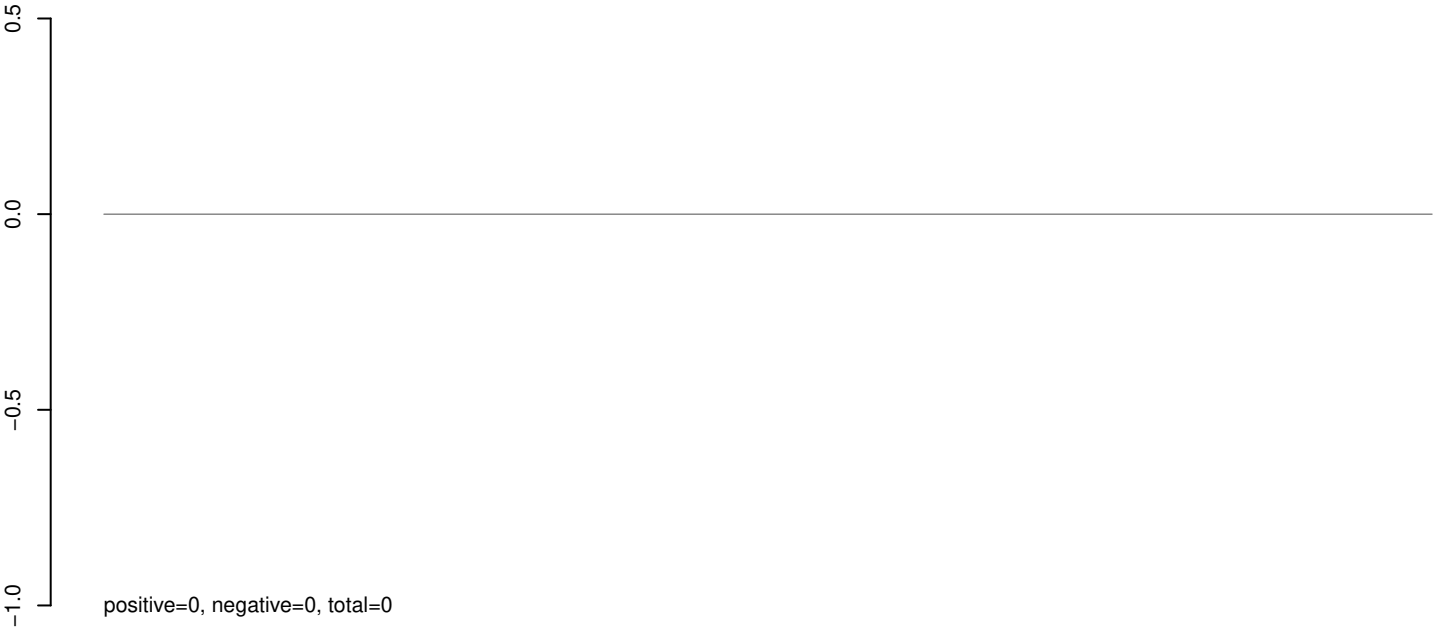


0 2000 4000 6000 8000 10000 12000

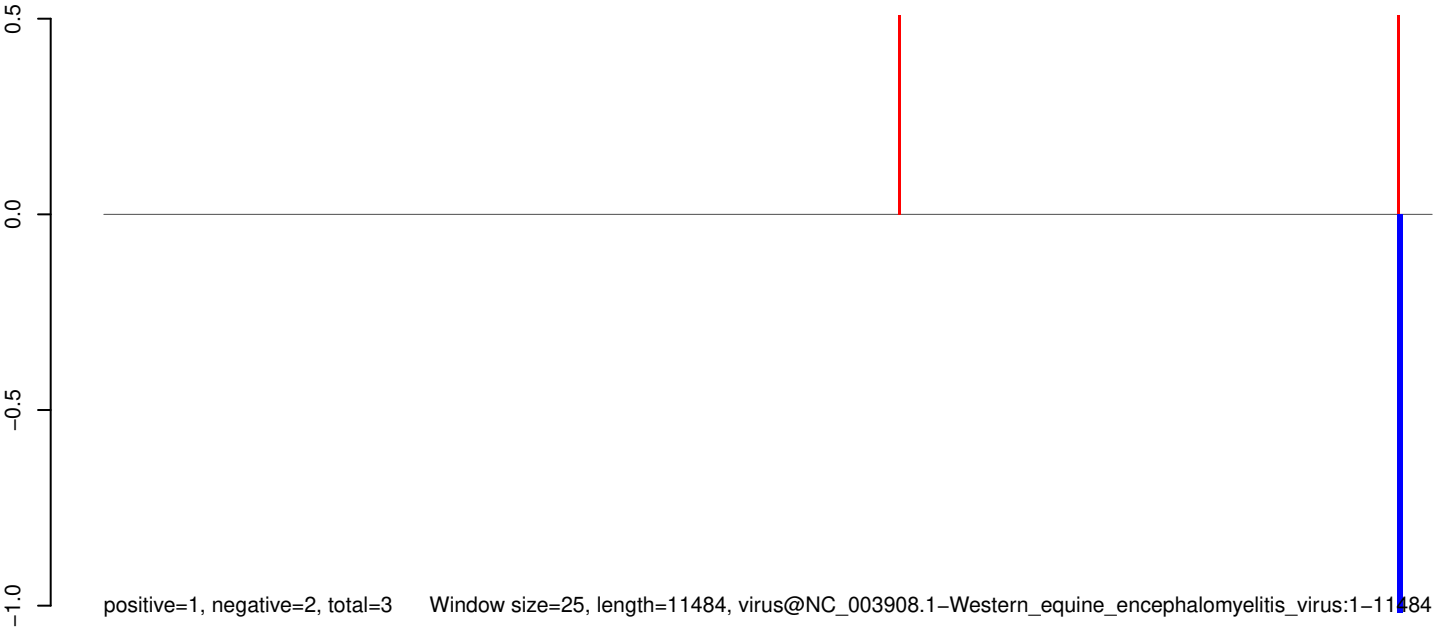
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



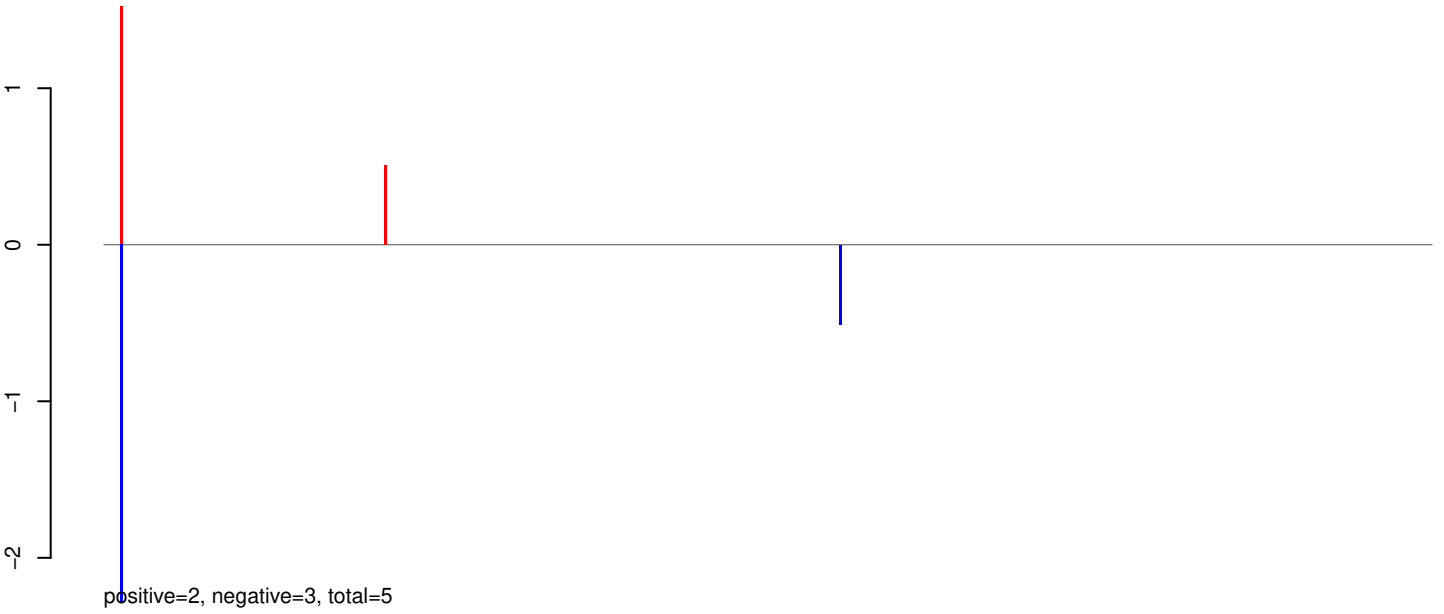
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



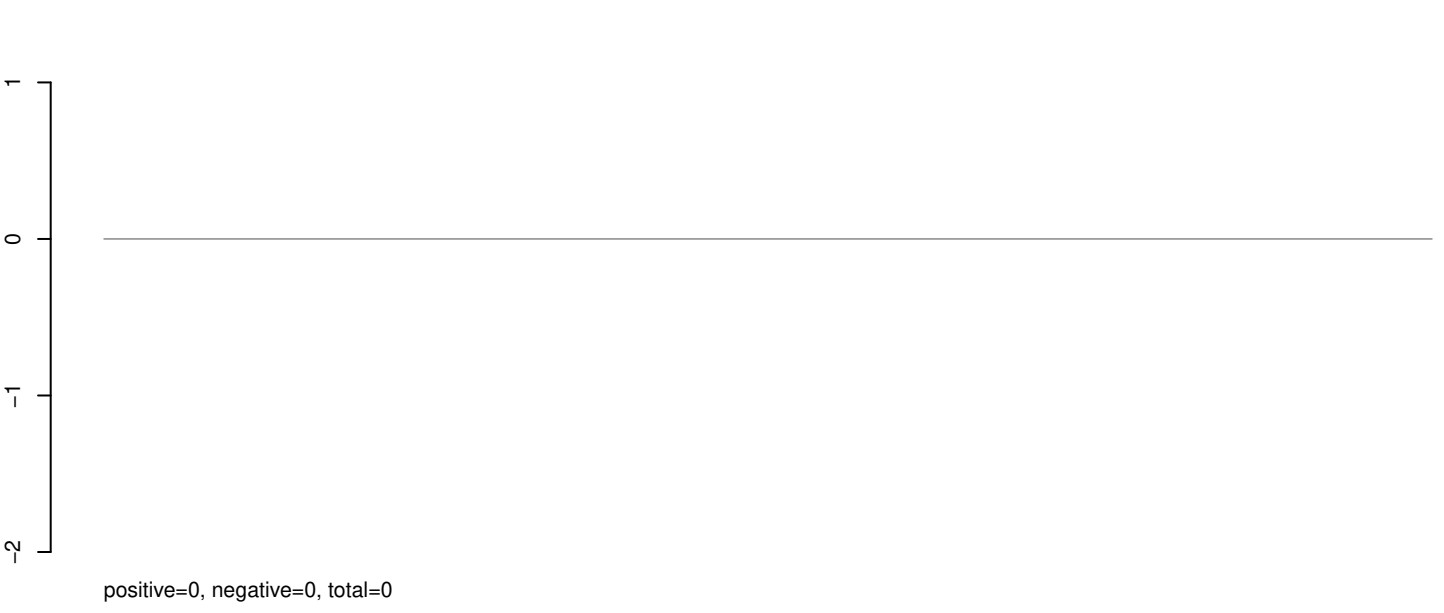
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



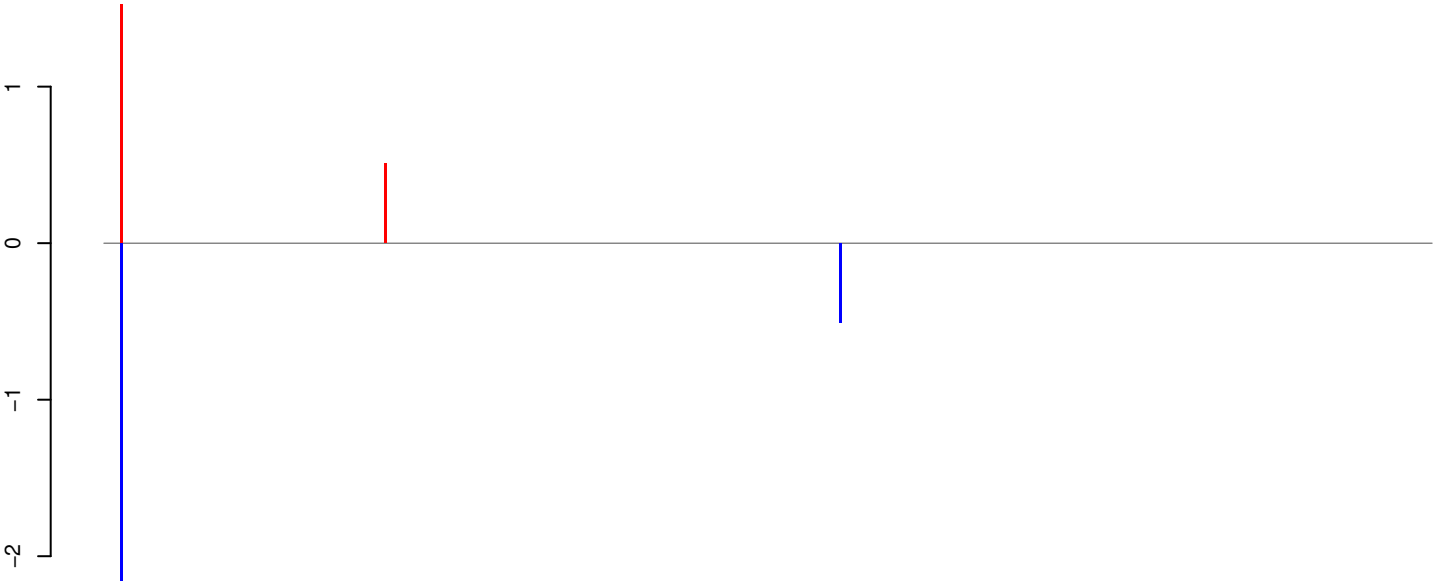
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



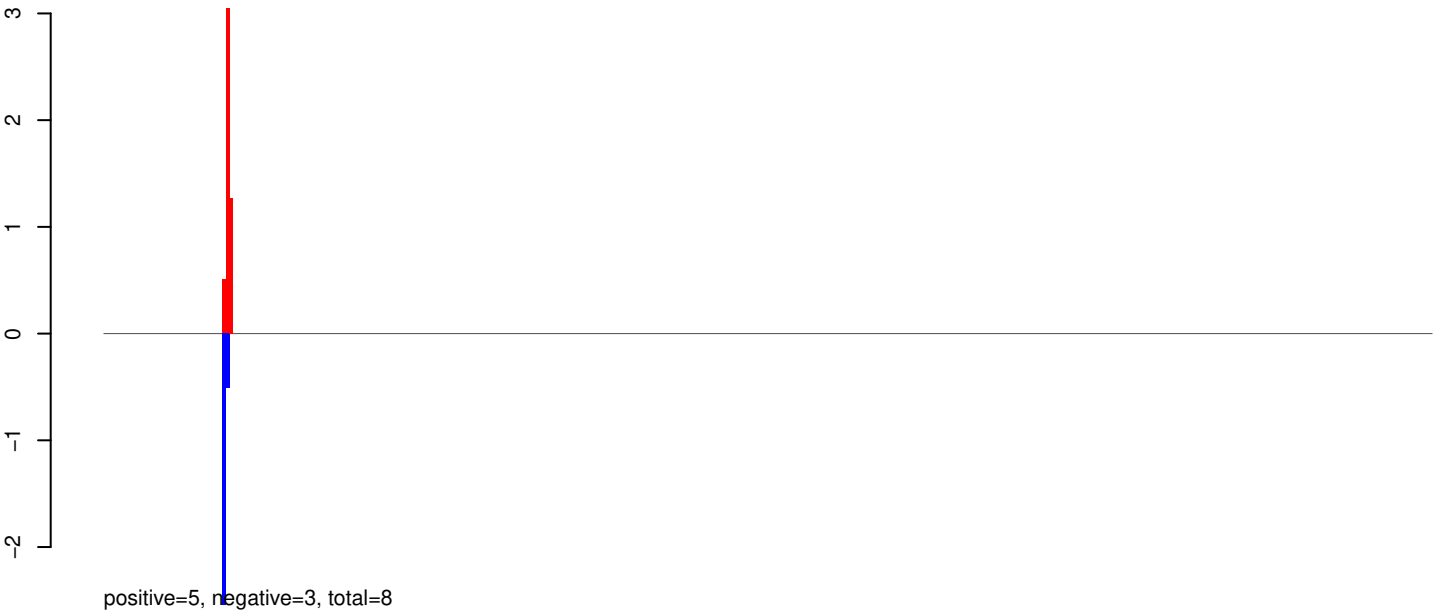
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



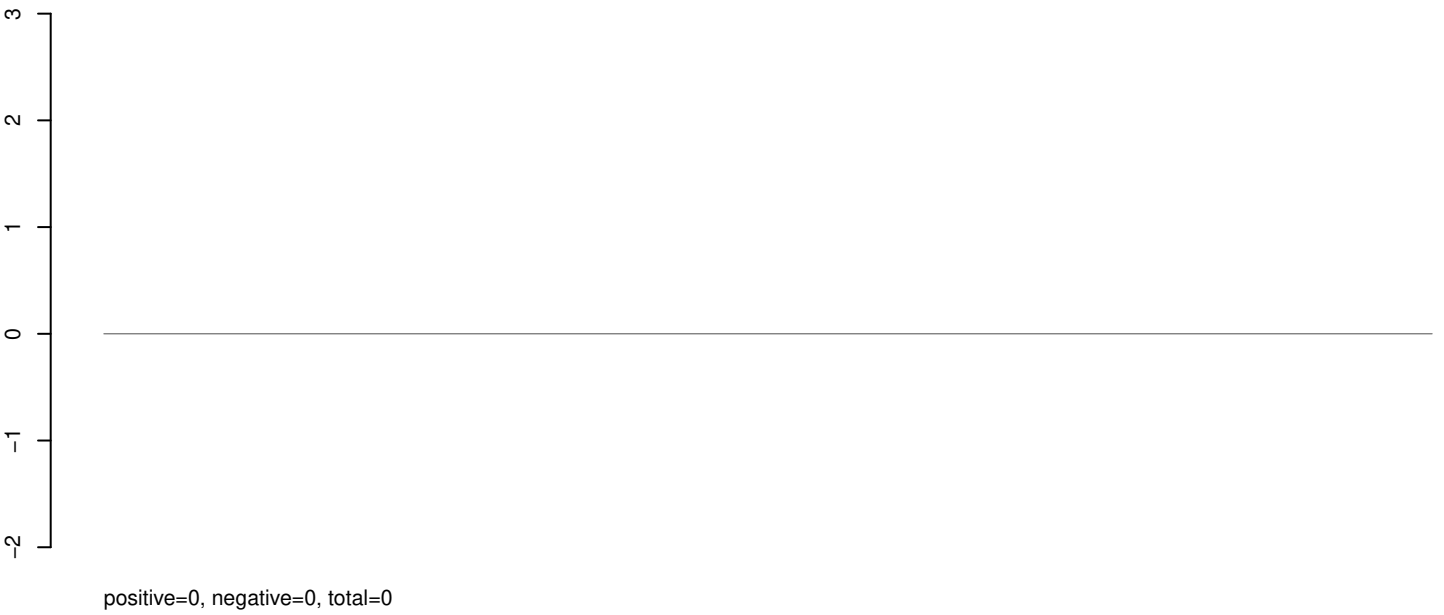
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



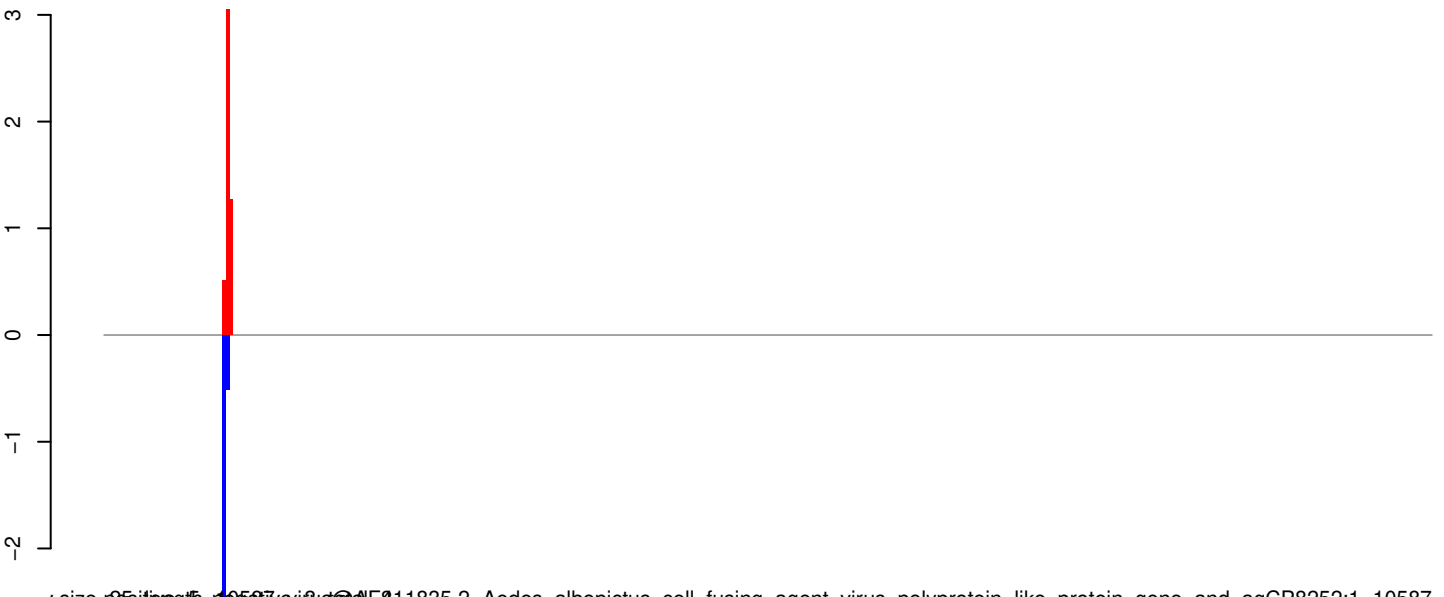
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



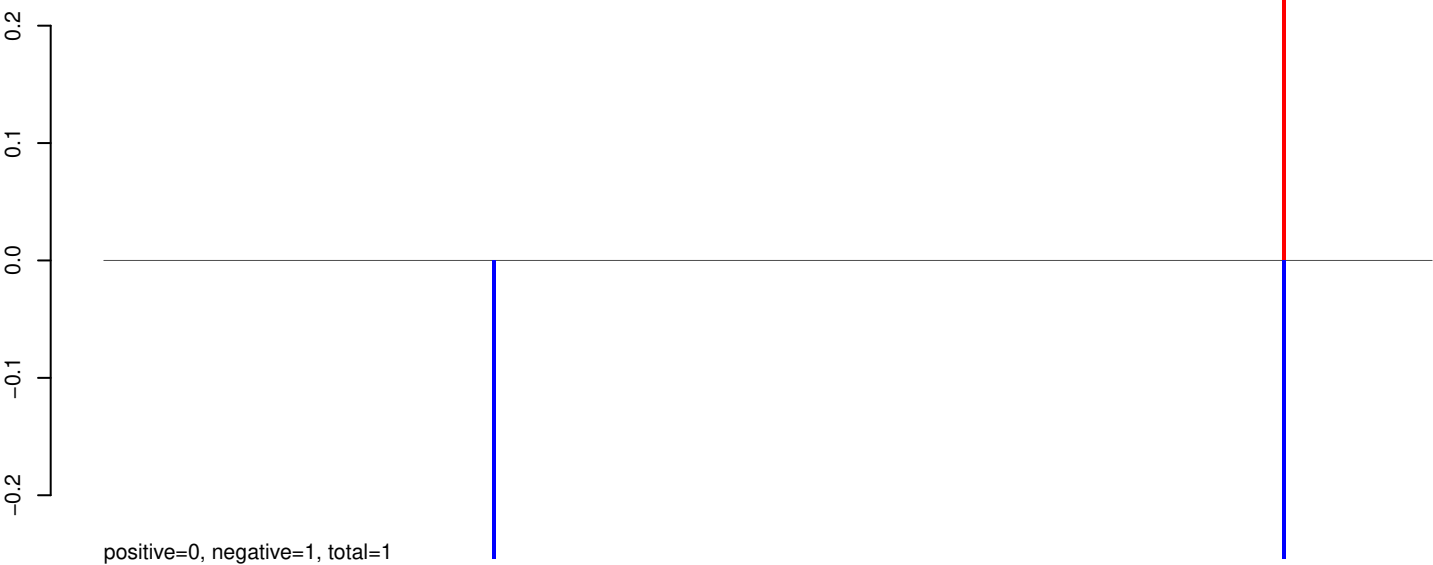
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



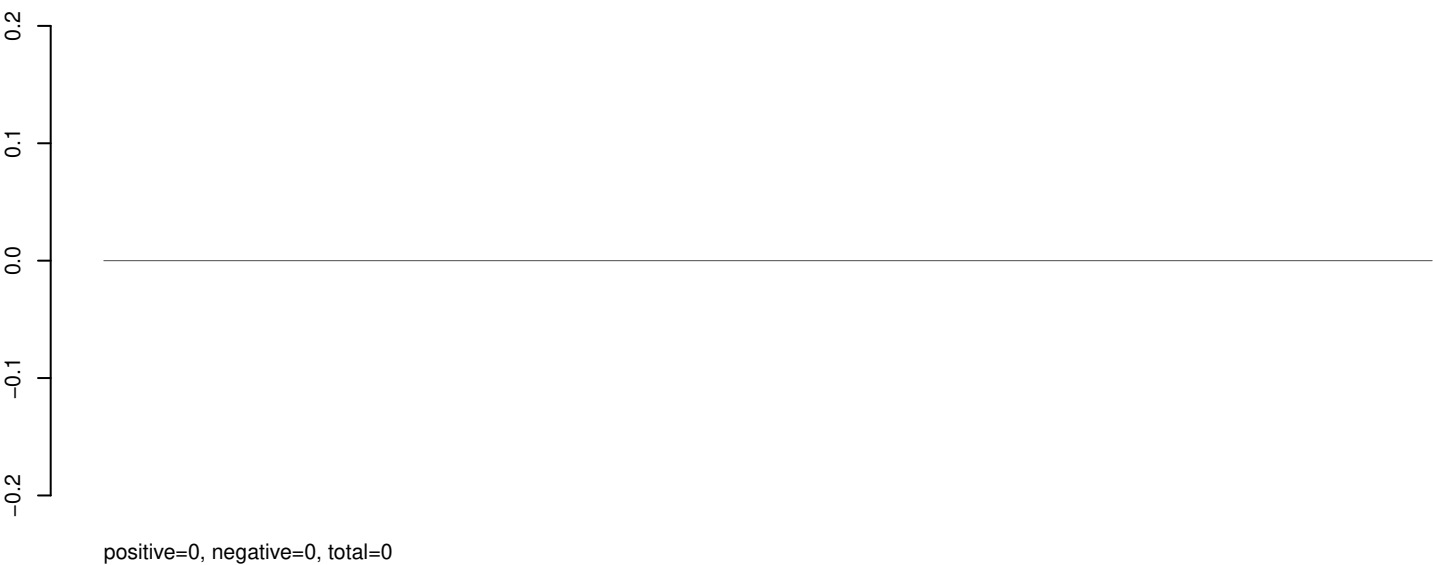
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



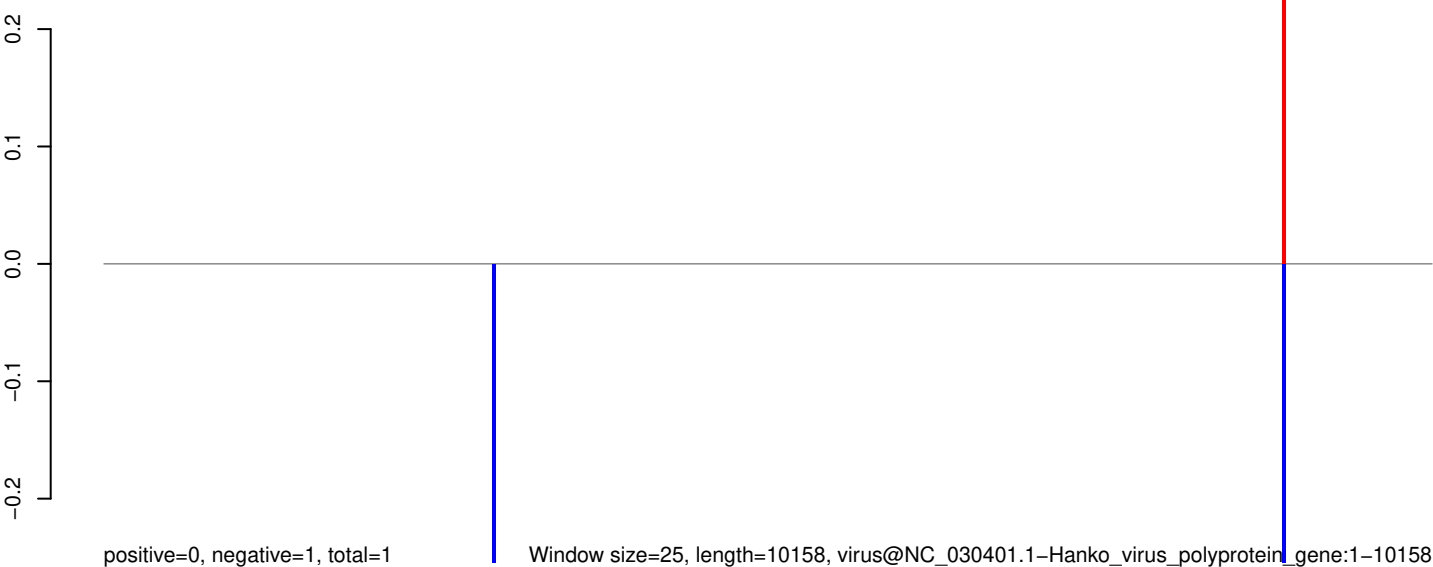
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



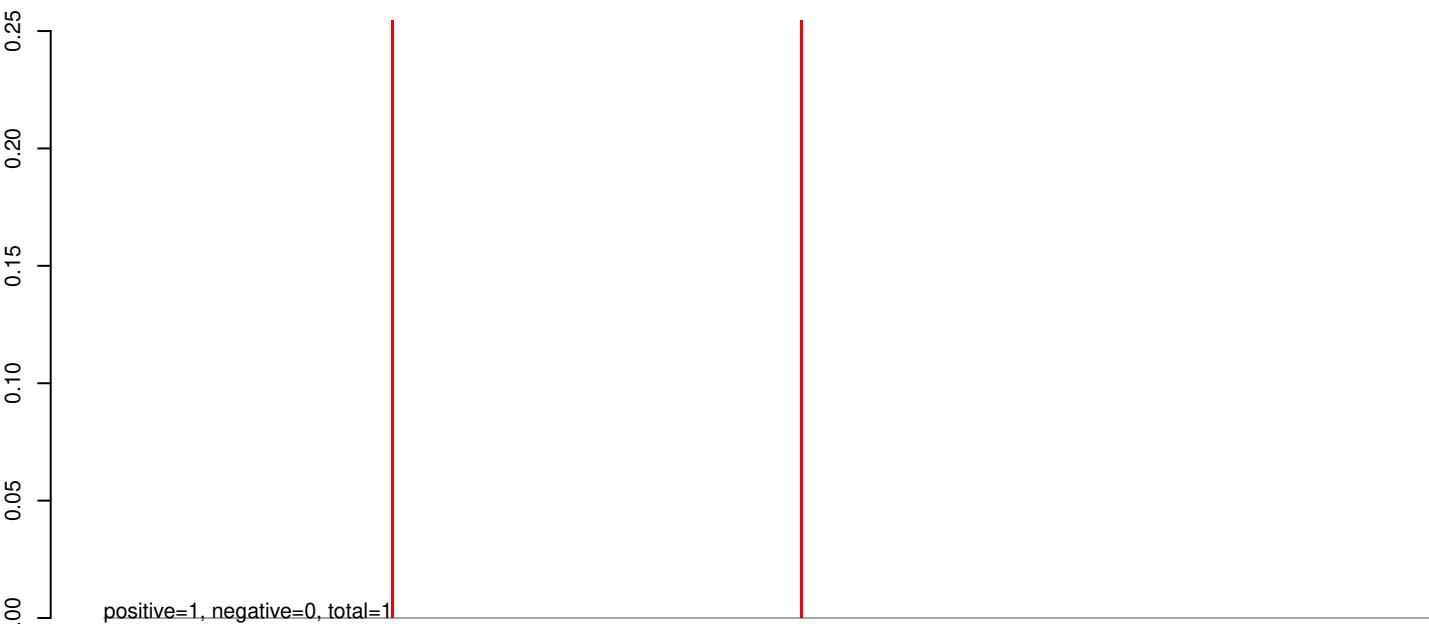
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



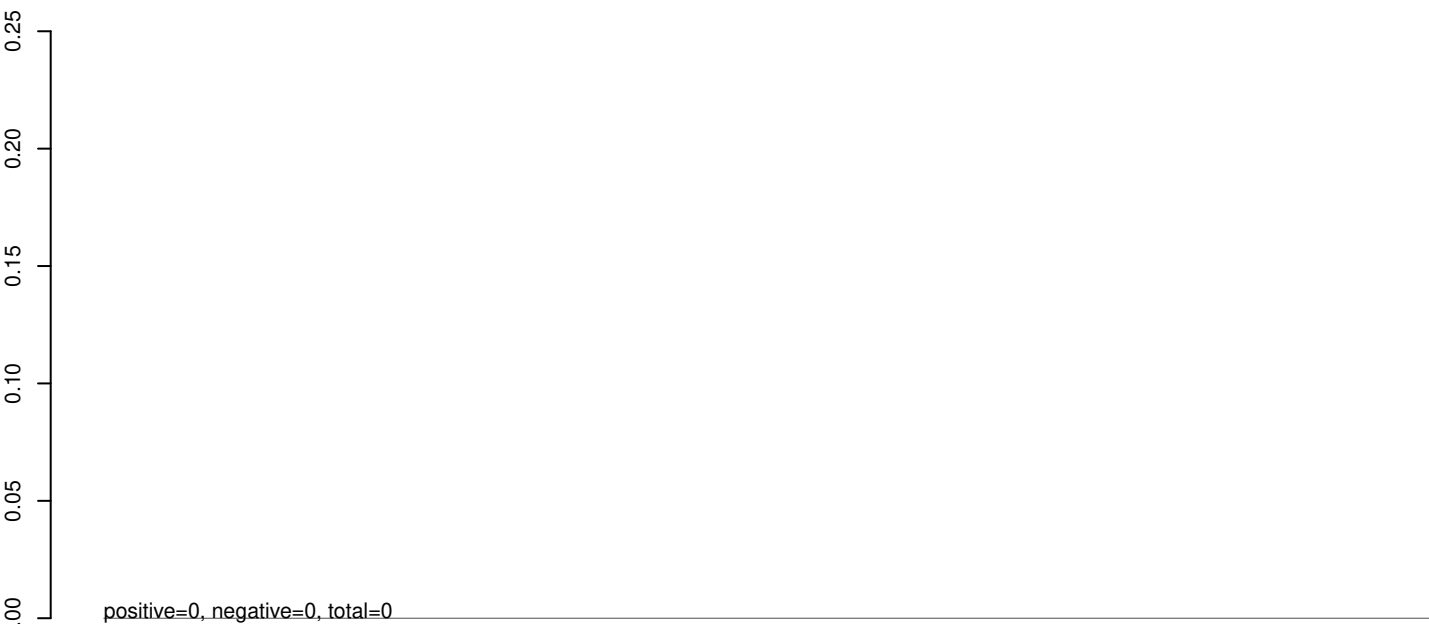
0 2000 4000 6000 8000 10000



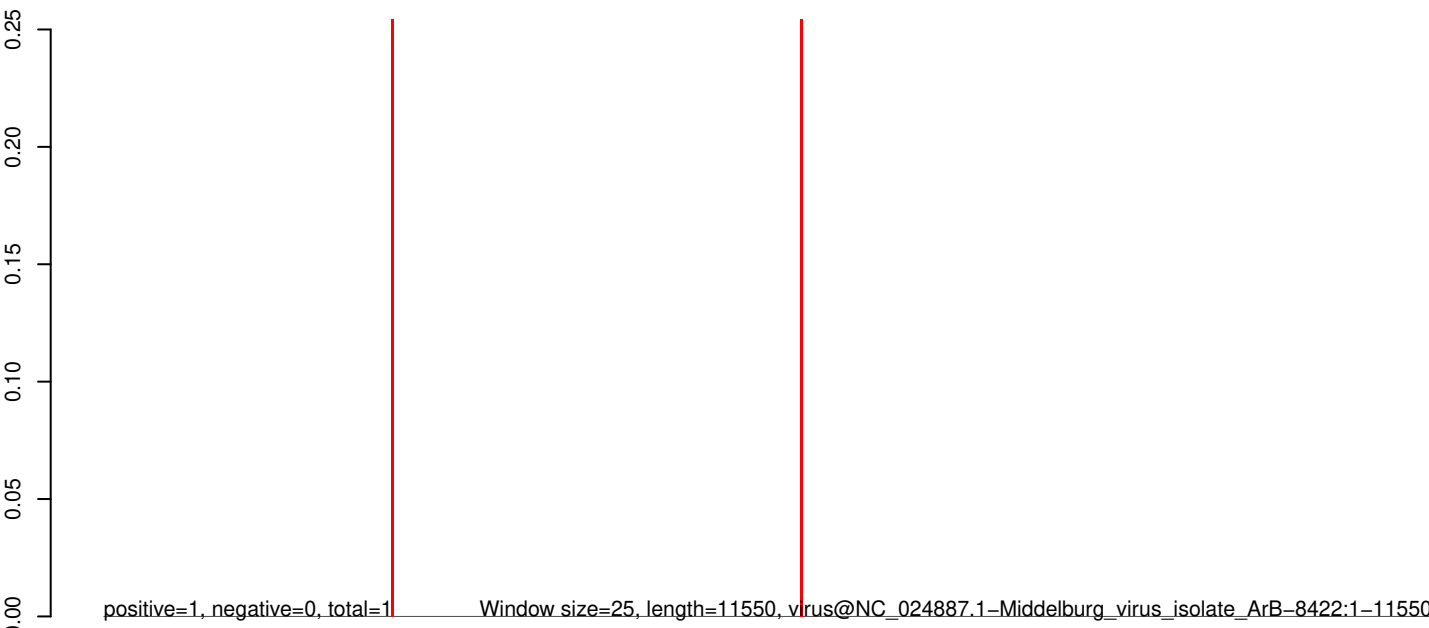
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

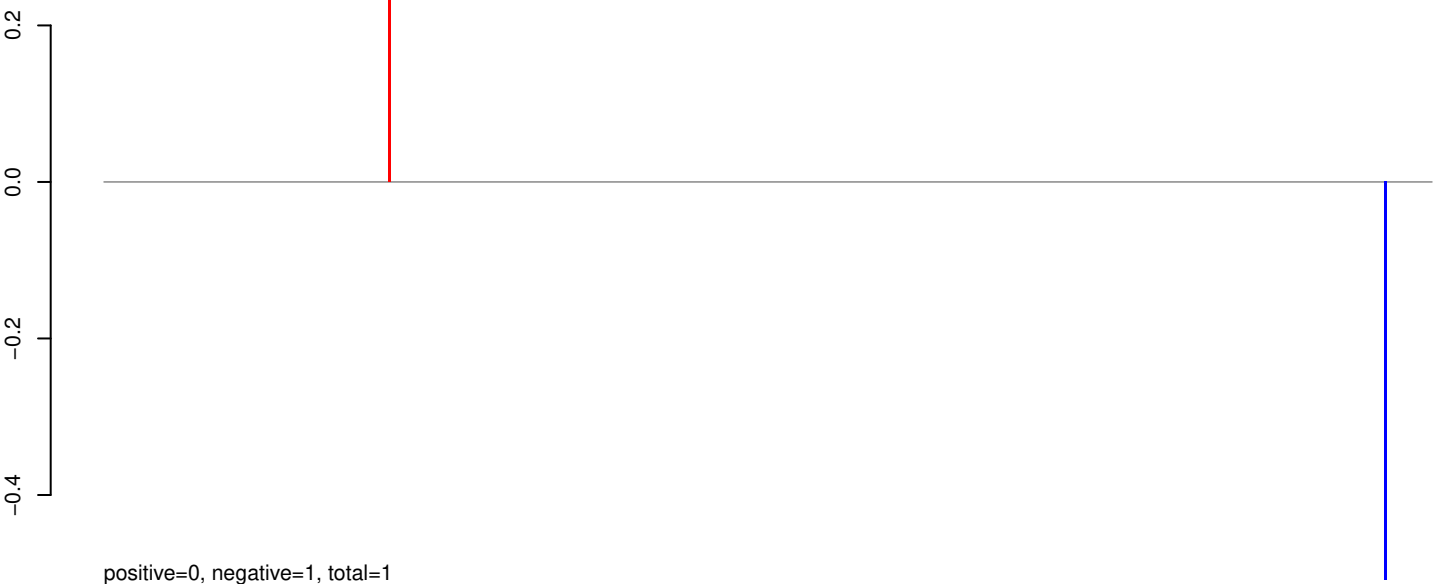


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



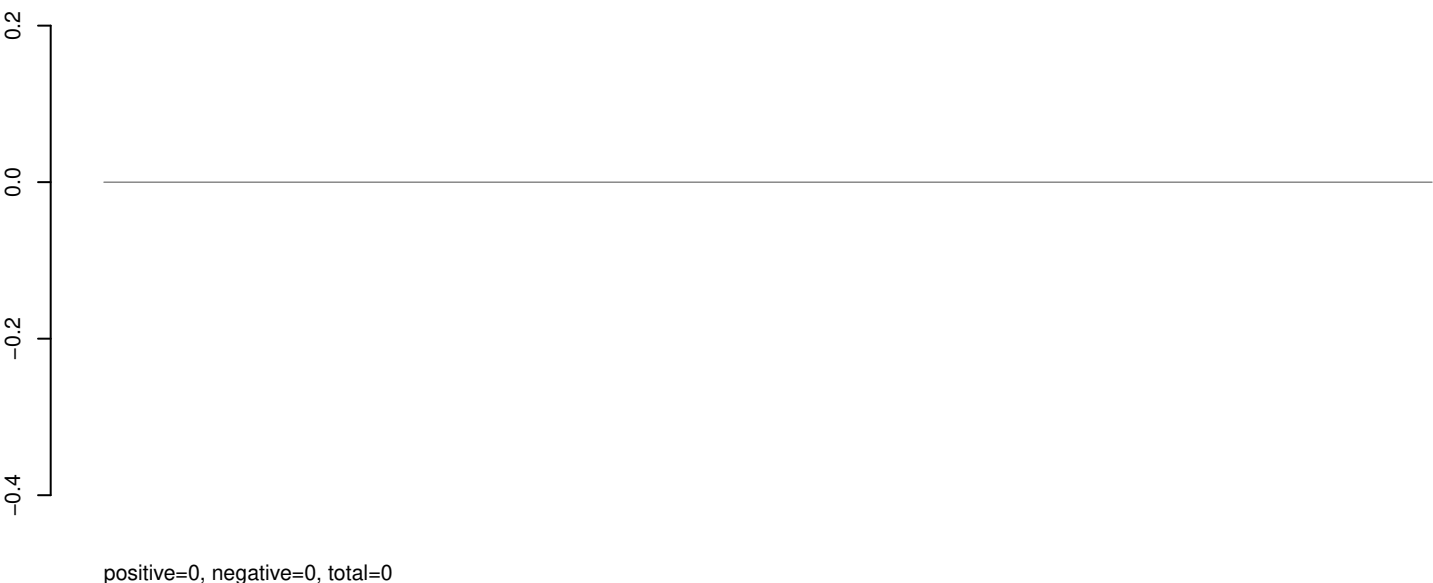
0 2000 4000 6000 8000 10000 12000

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



positive=0, negative=1, total=1

**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



positive=0, negative=0, total=0

**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

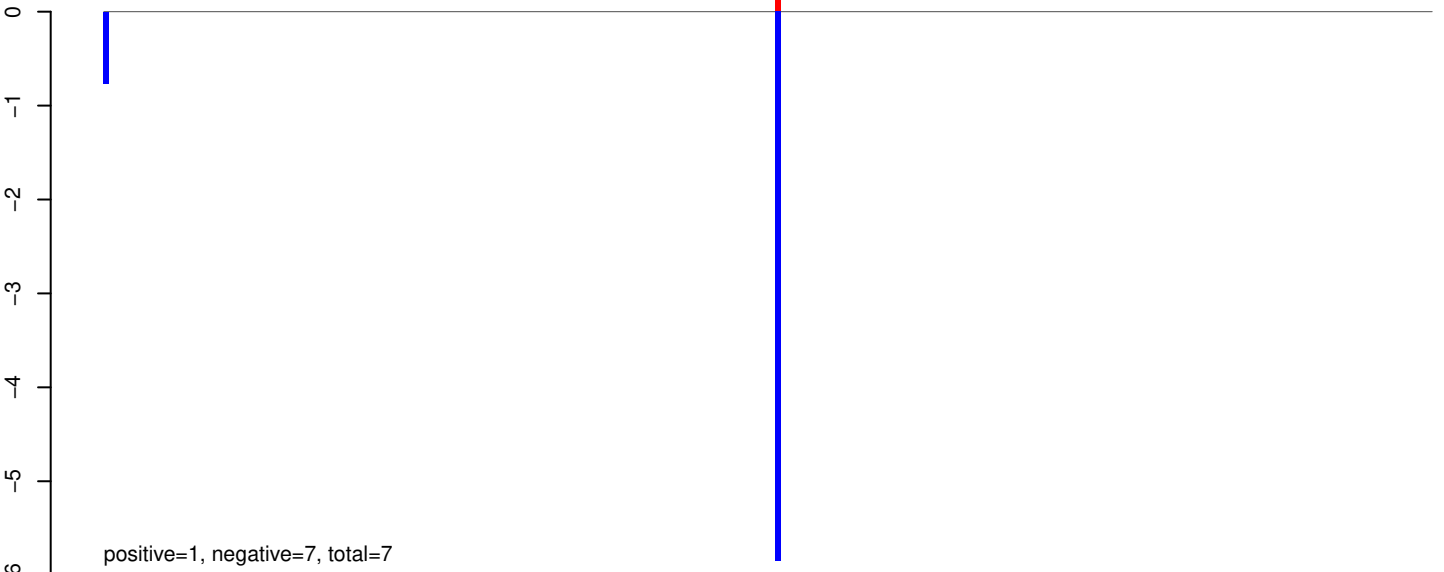


positive=0, negative=1, total=1

Window size=25, length=11688, virus@NC\_016959.1-Ndumu\_virus:1-11688

0 2000 4000 6000 8000 10000 12000

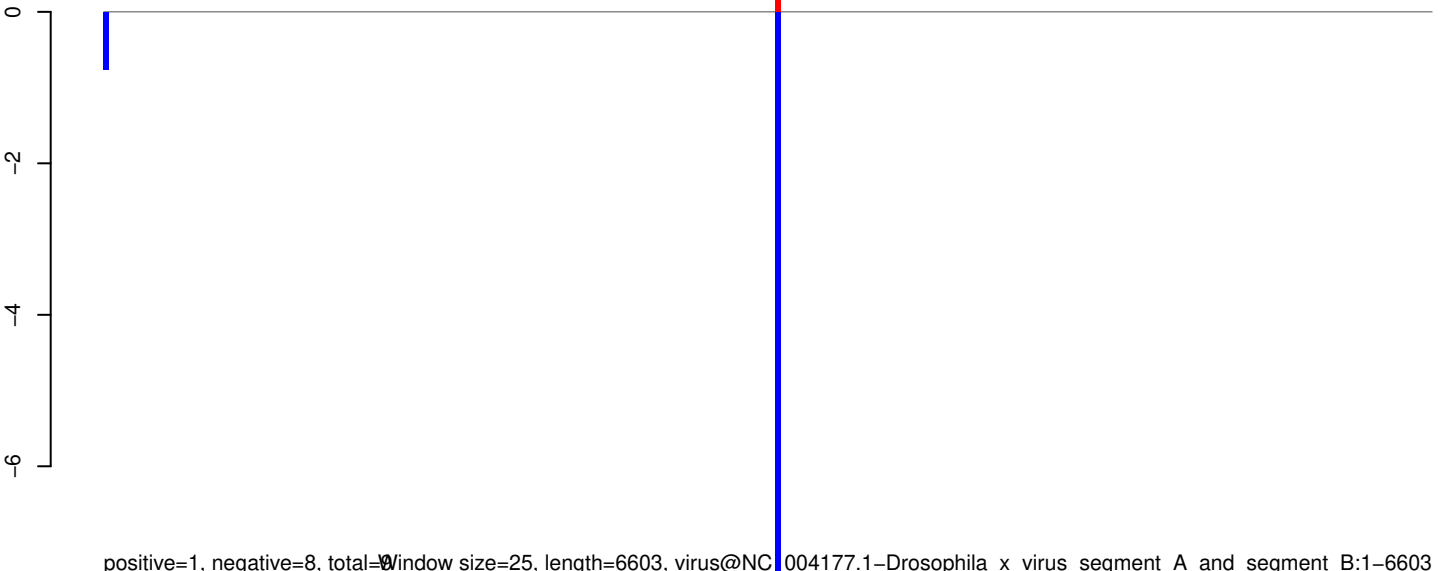
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



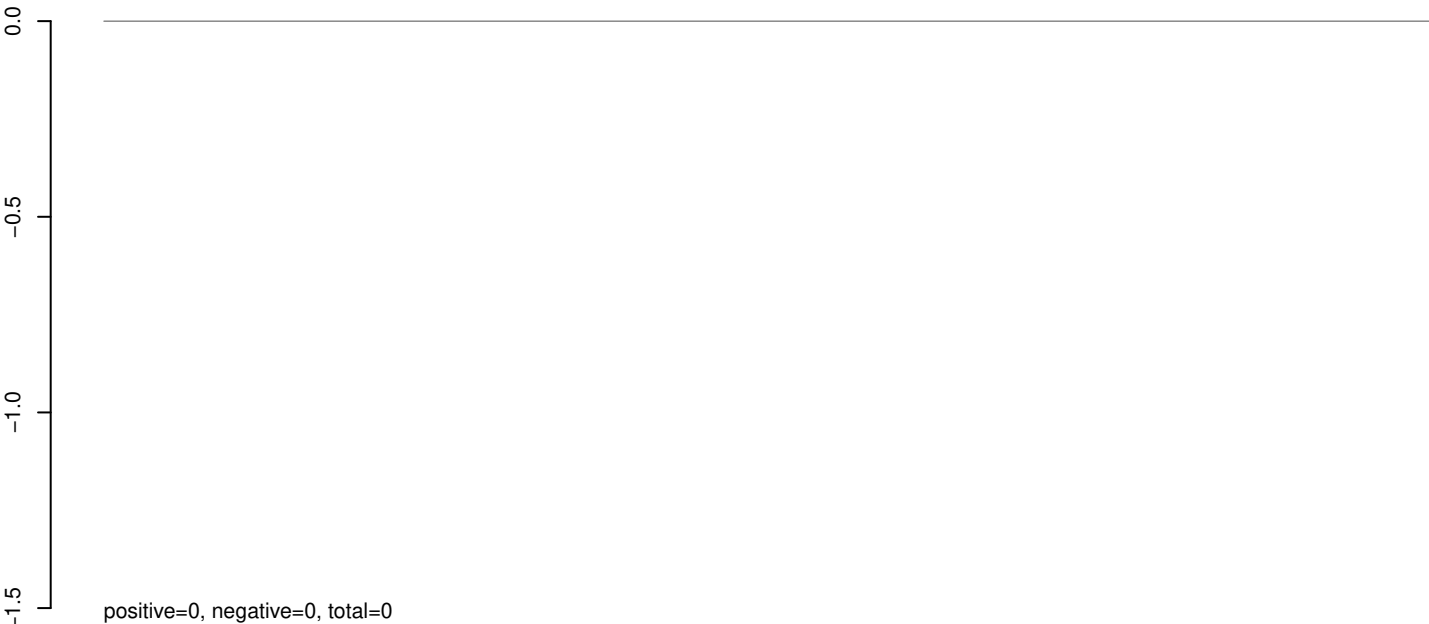
Window size=25, length=6603, virus@NC\_004177.1-Drosophila\_x\_virus\_segment\_A\_and\_segment\_B:1-6603

0 1000 2000 3000 4000 5000 6000

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



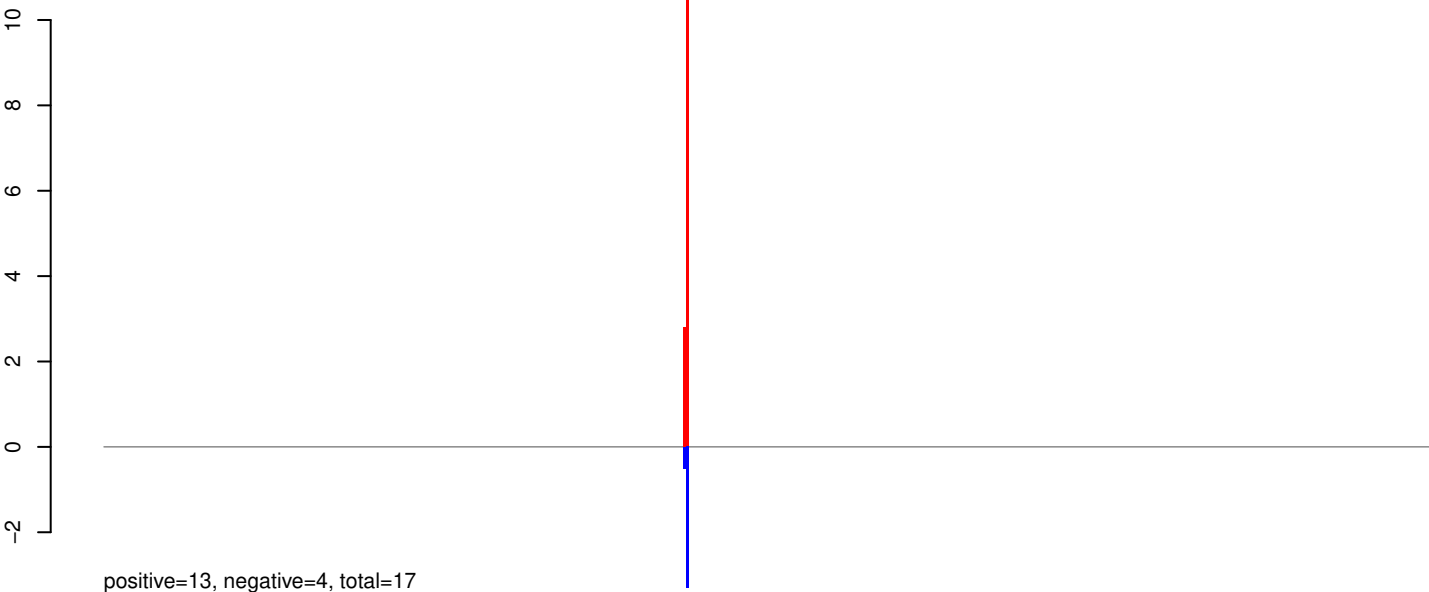
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



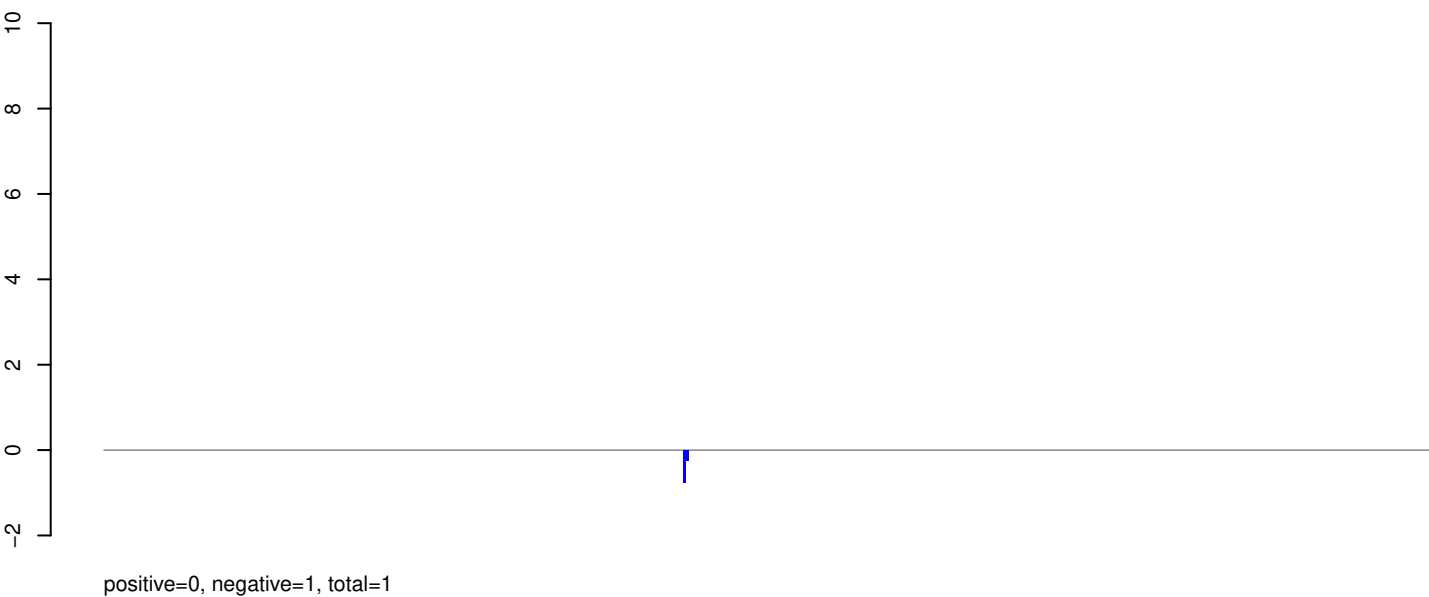
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



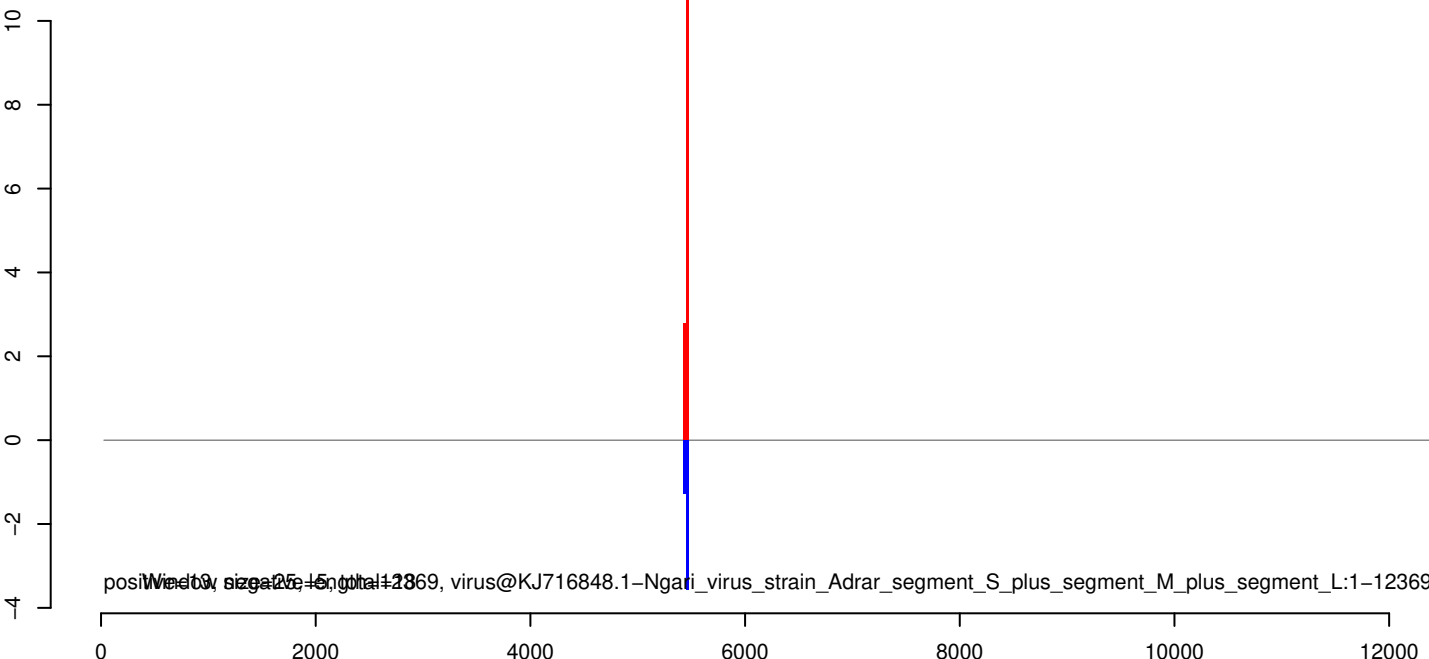
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



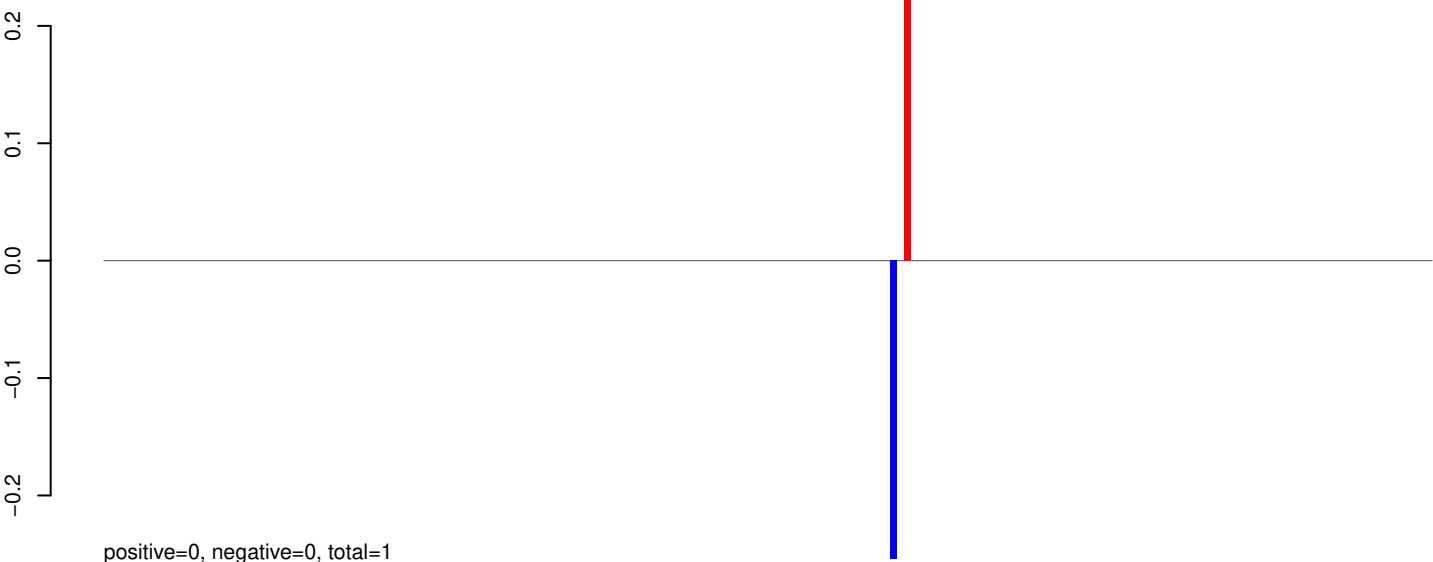
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



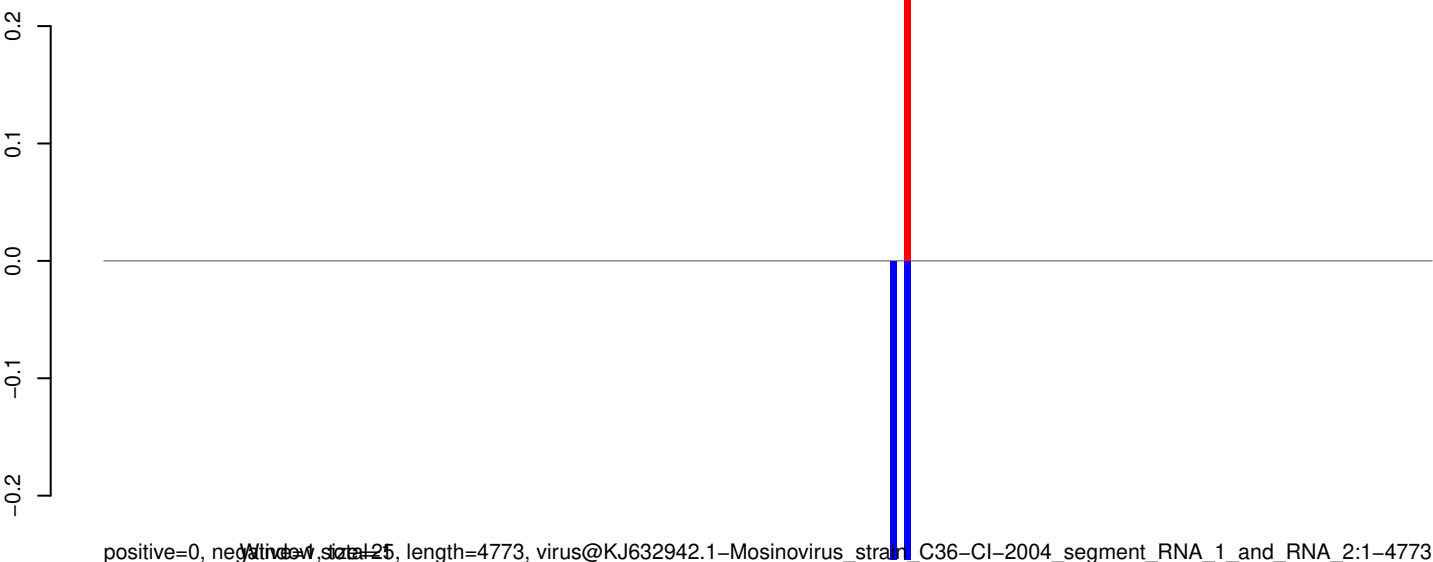
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



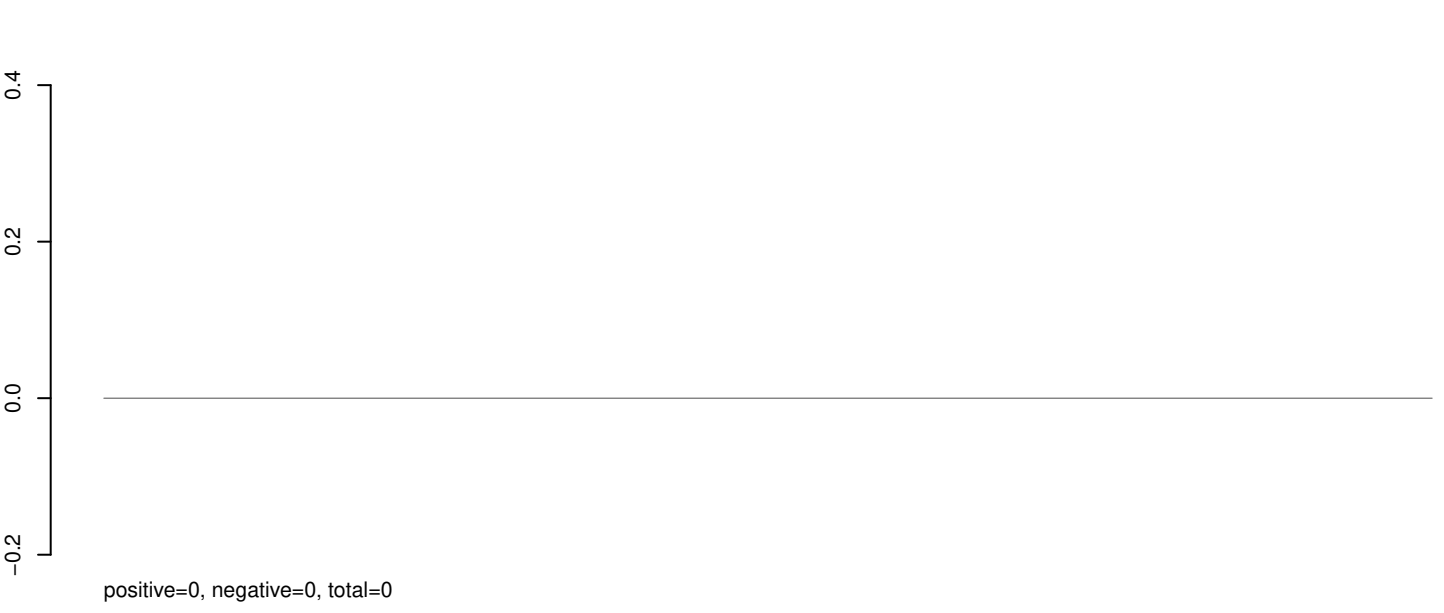
Window size=25, length=4773, virus@KJ632942.1-Mosinovirus\_strain\_C36-CI-2004\_segment\_RNA\_1\_and\_RNA\_2:1-4773

0 1000 2000 3000 4000

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



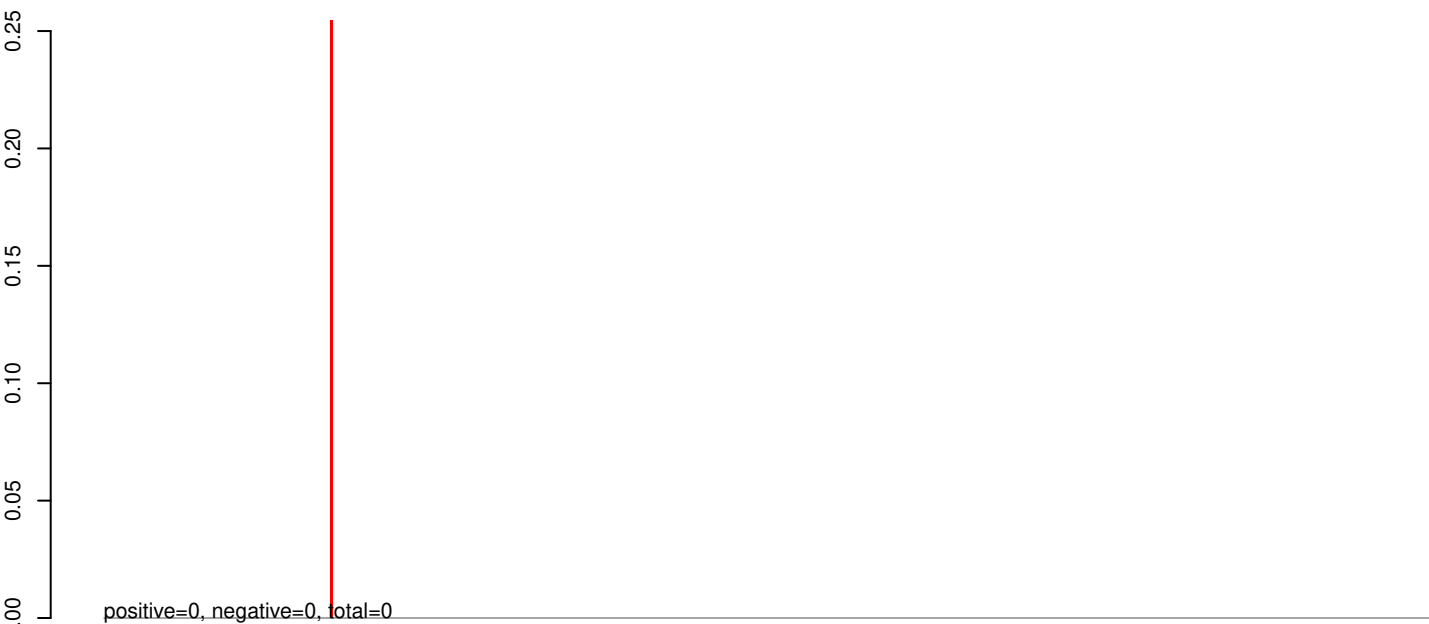
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



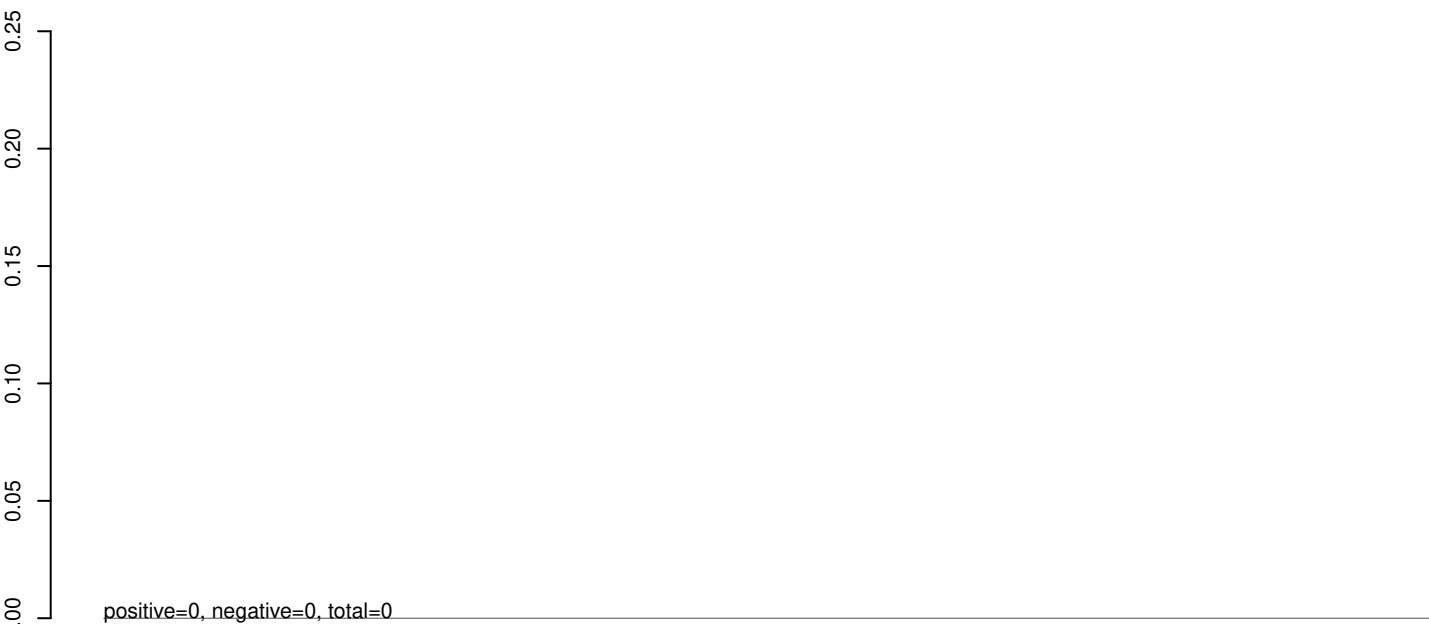
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

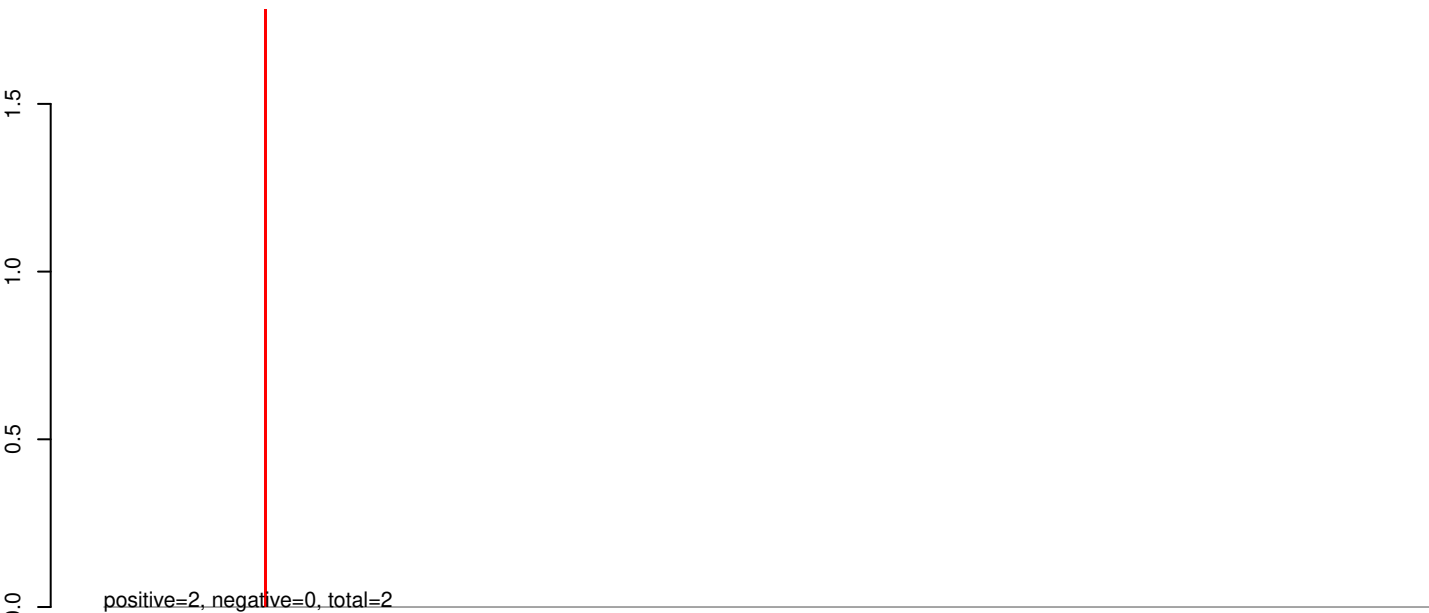


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

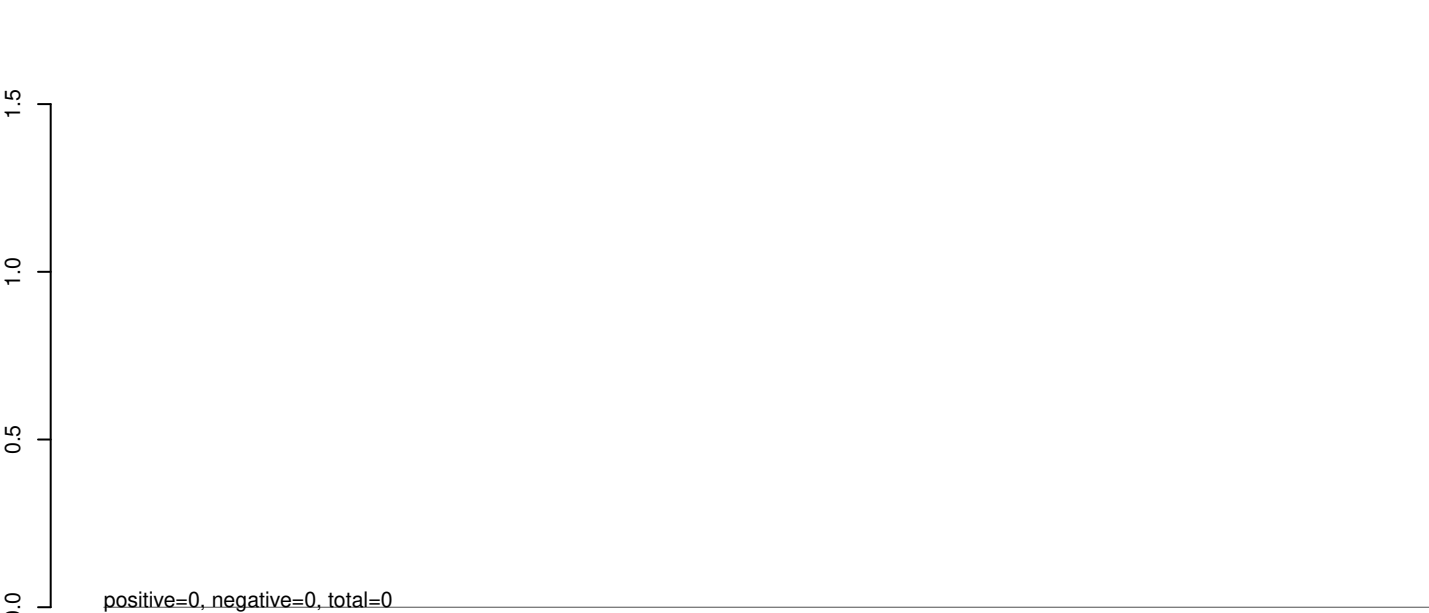




**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

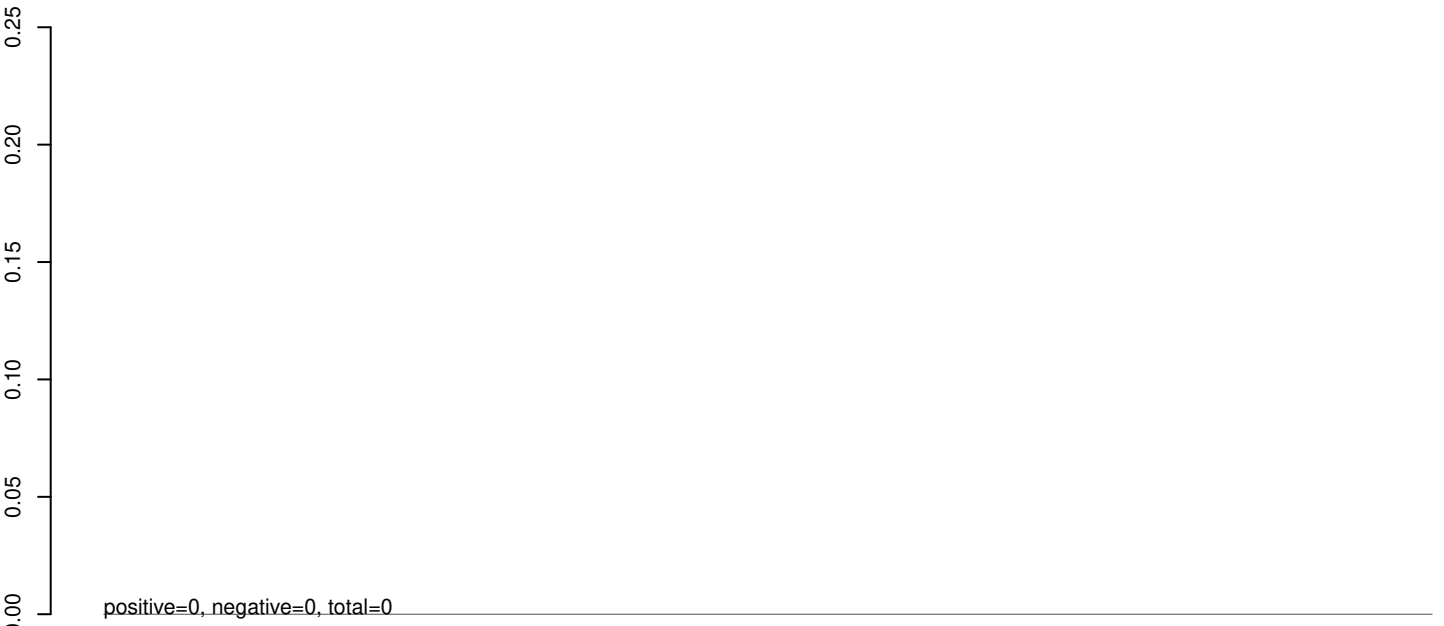


W:\bioinformatics\2025\Aeg2SINV\_Piwi4\Aeg2SINV\_Piwi4\_virus@NC\_038259.1-Badu\_virus\_isolate\_TS6347\_segment\_S\_plus\_segment\_M\_plus\_segment\_L:1-12247

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

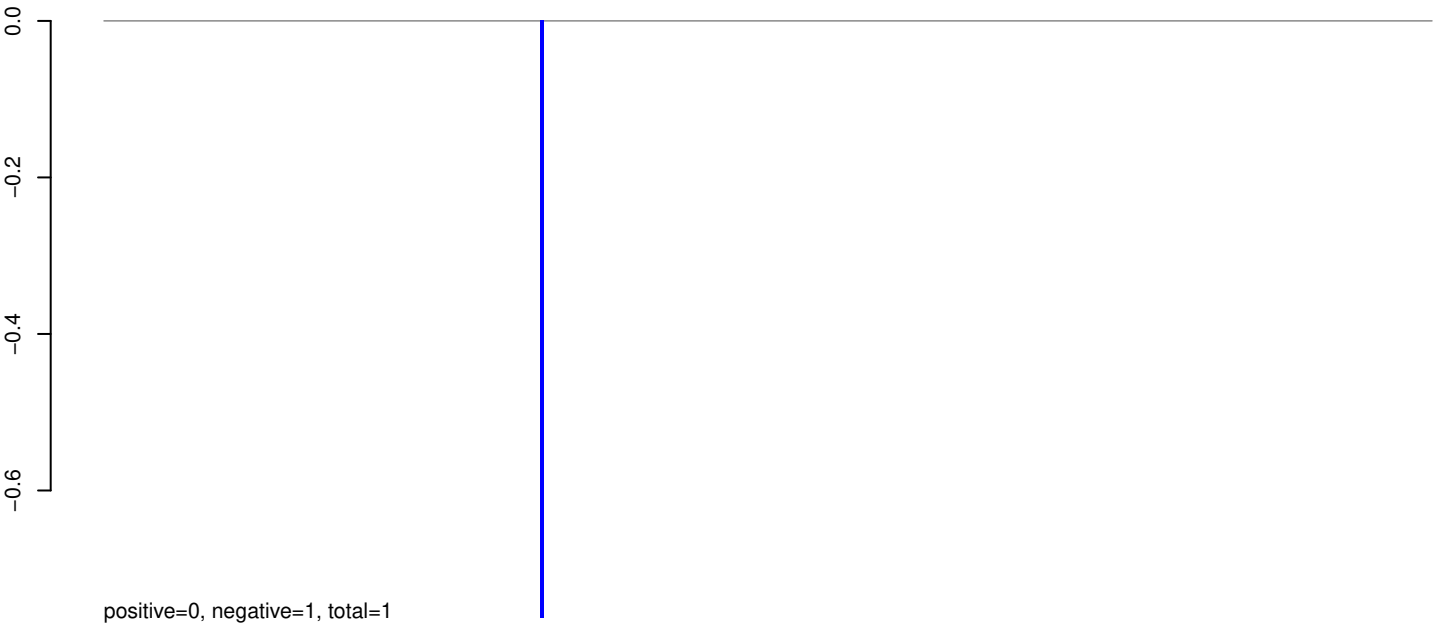


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



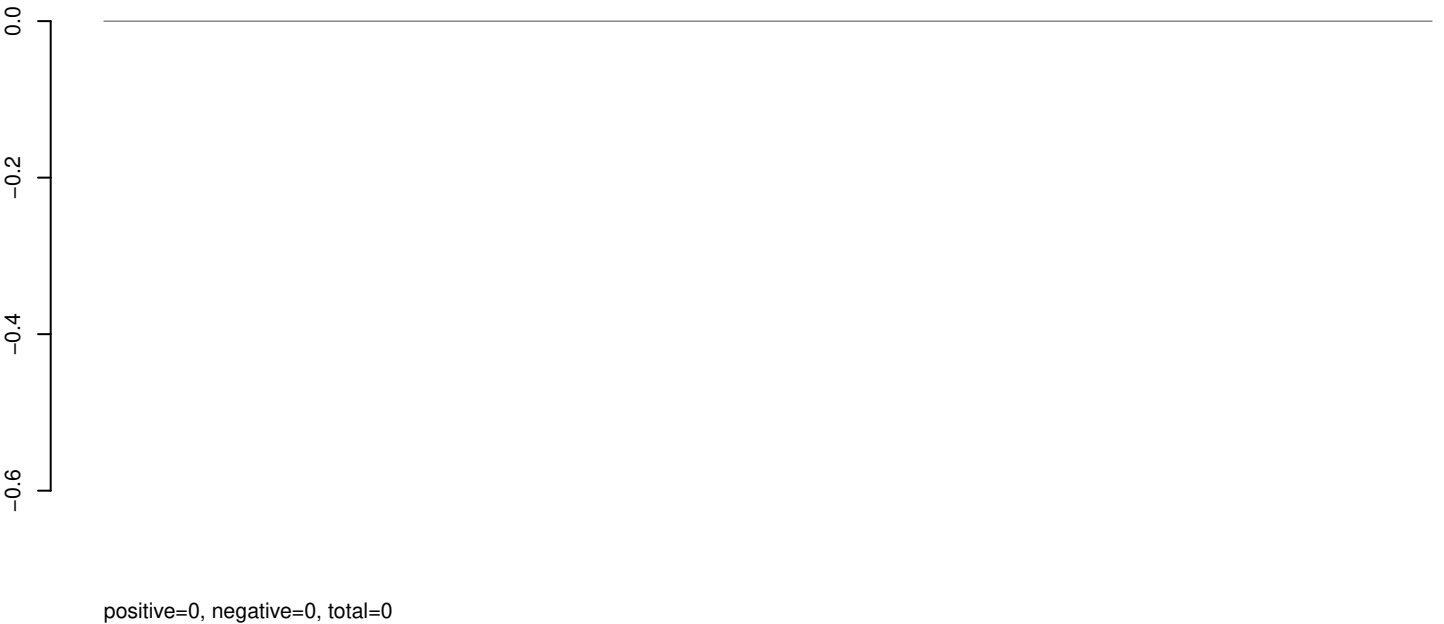
0 2000 4000 6000 8000 10000 12000

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



positive=0, negative=1, total=1

**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

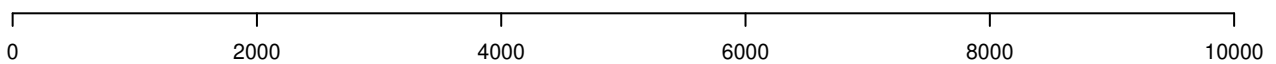


positive=0, negative=0, total=0

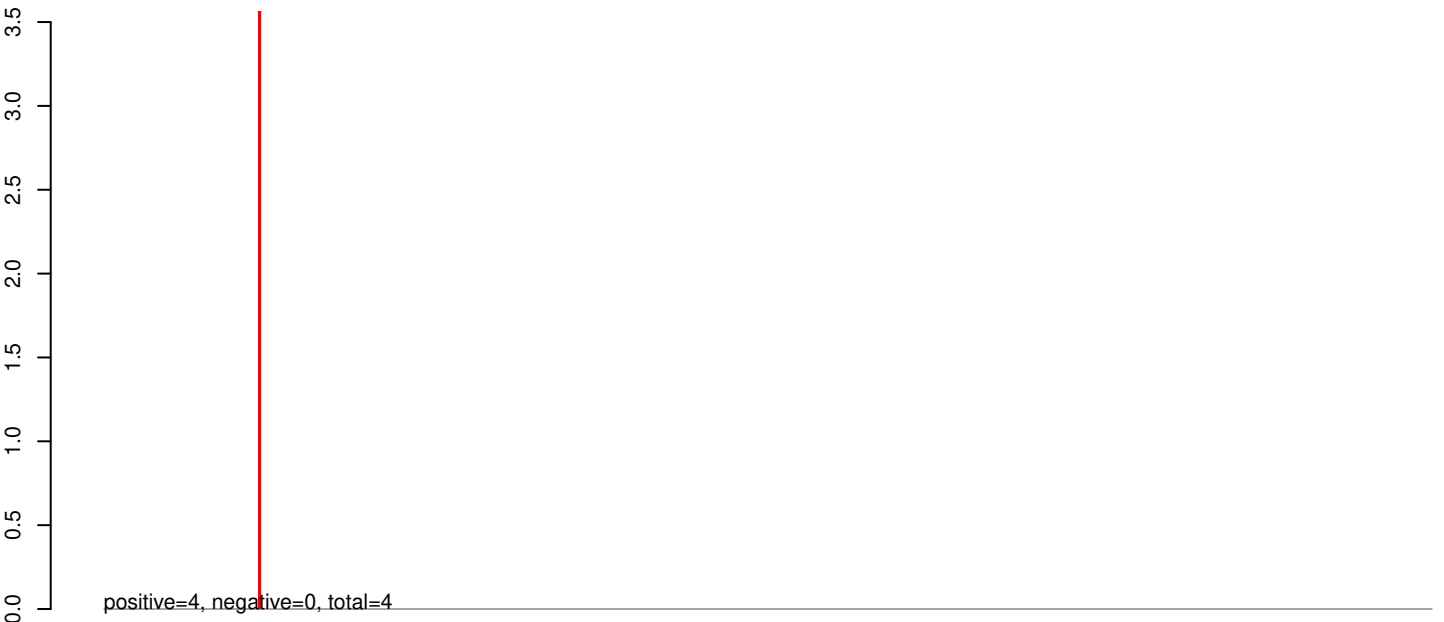
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



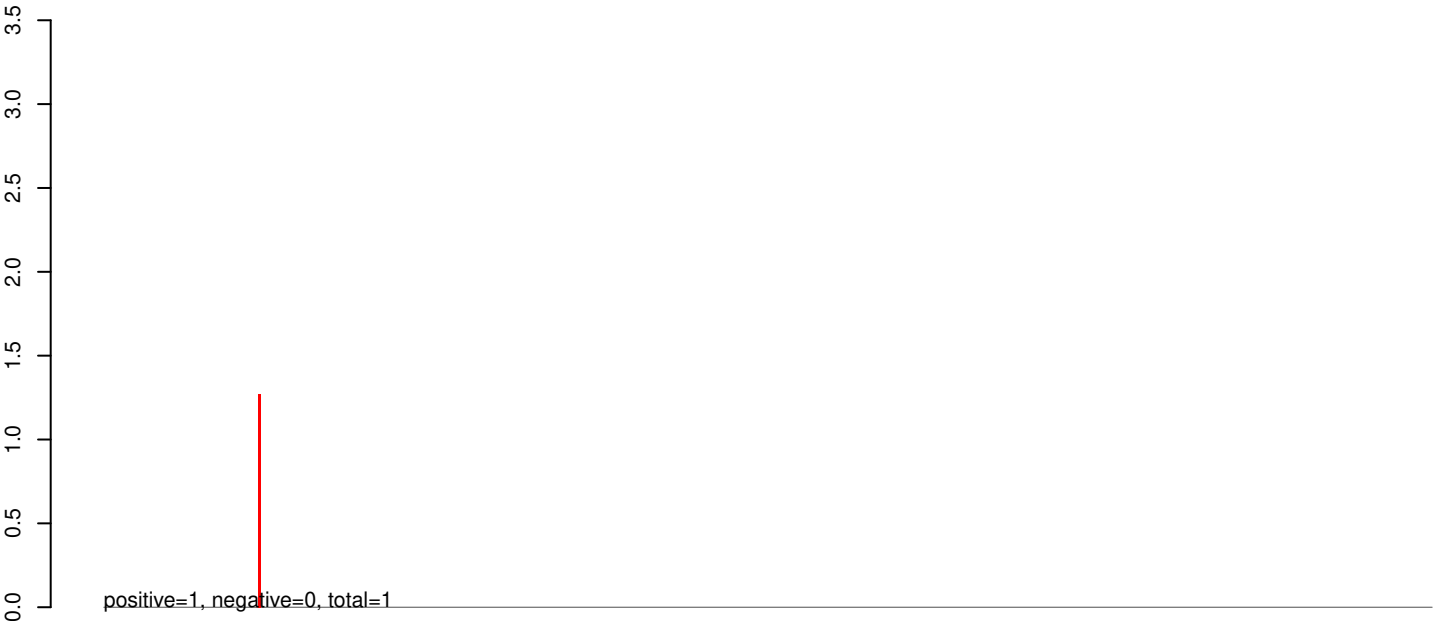
positive=0, negative=1, total=1 Window size=25, length=10869, virus@NC\_031957.1-UNVERIFIED\_Coot\_Bay\_virus\_strain\_EVG5-53:1-10869



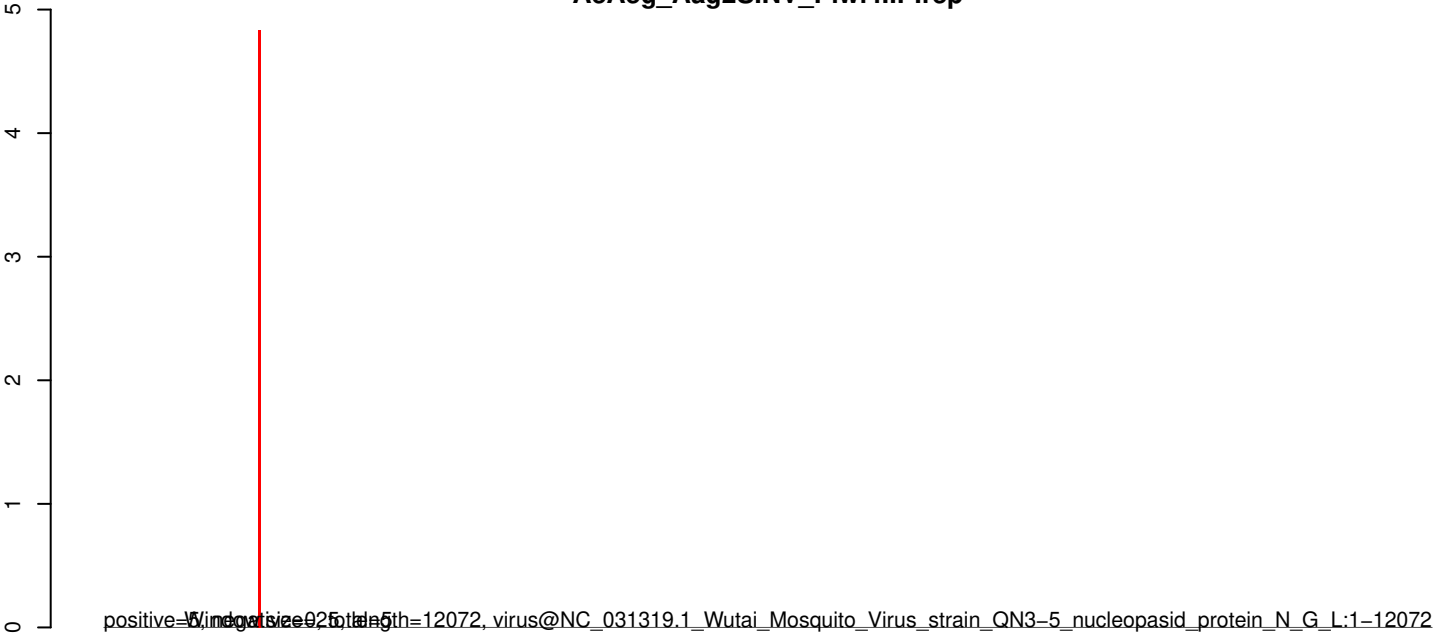
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

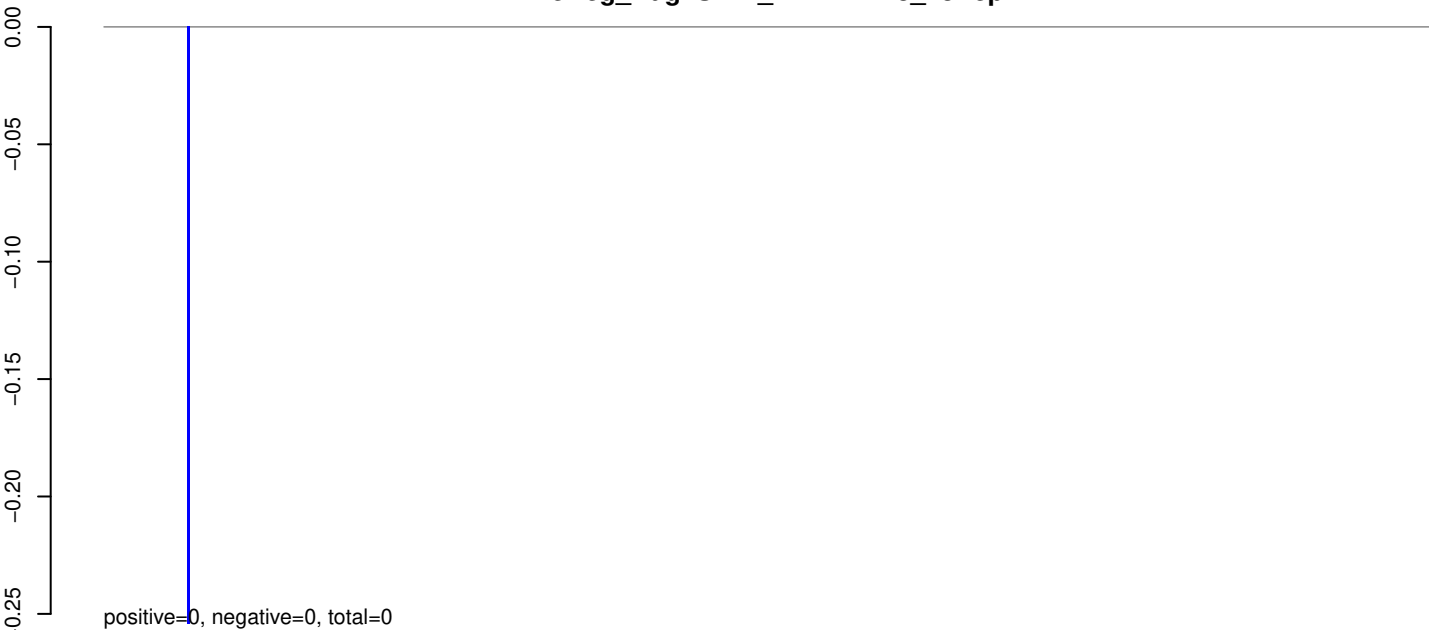


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

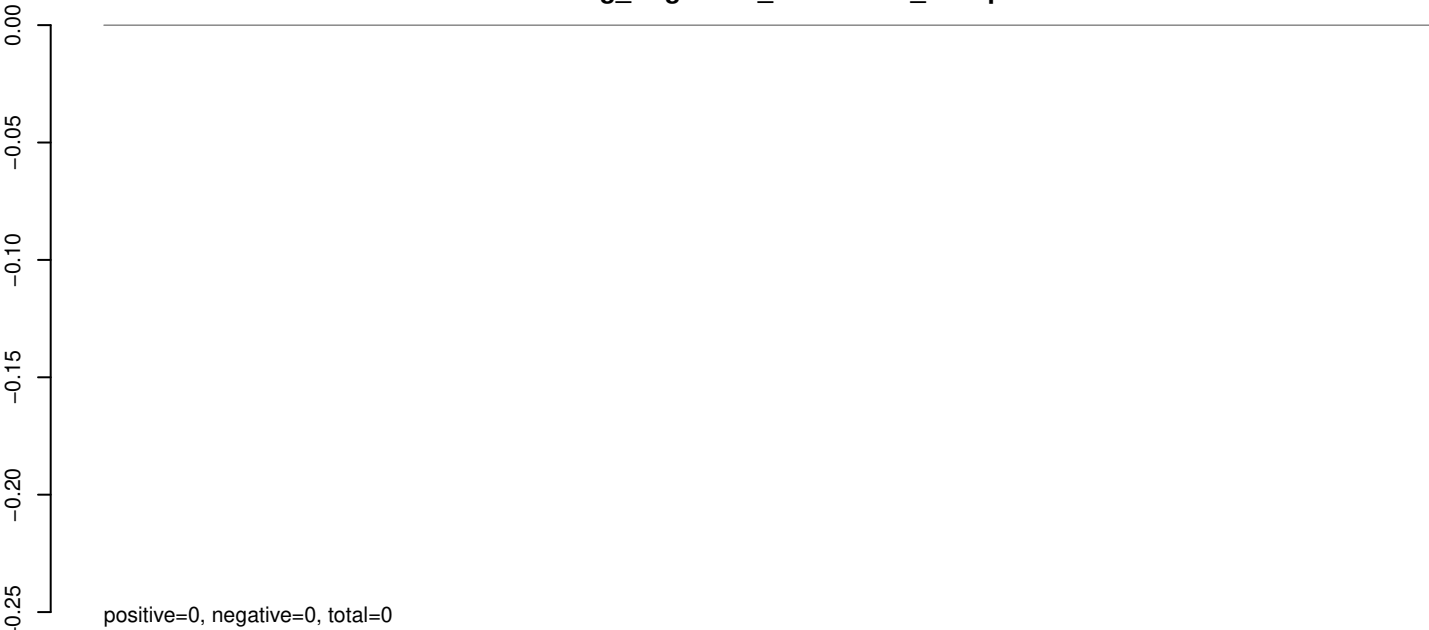


0 2000 4000 6000 8000 10000 12000

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



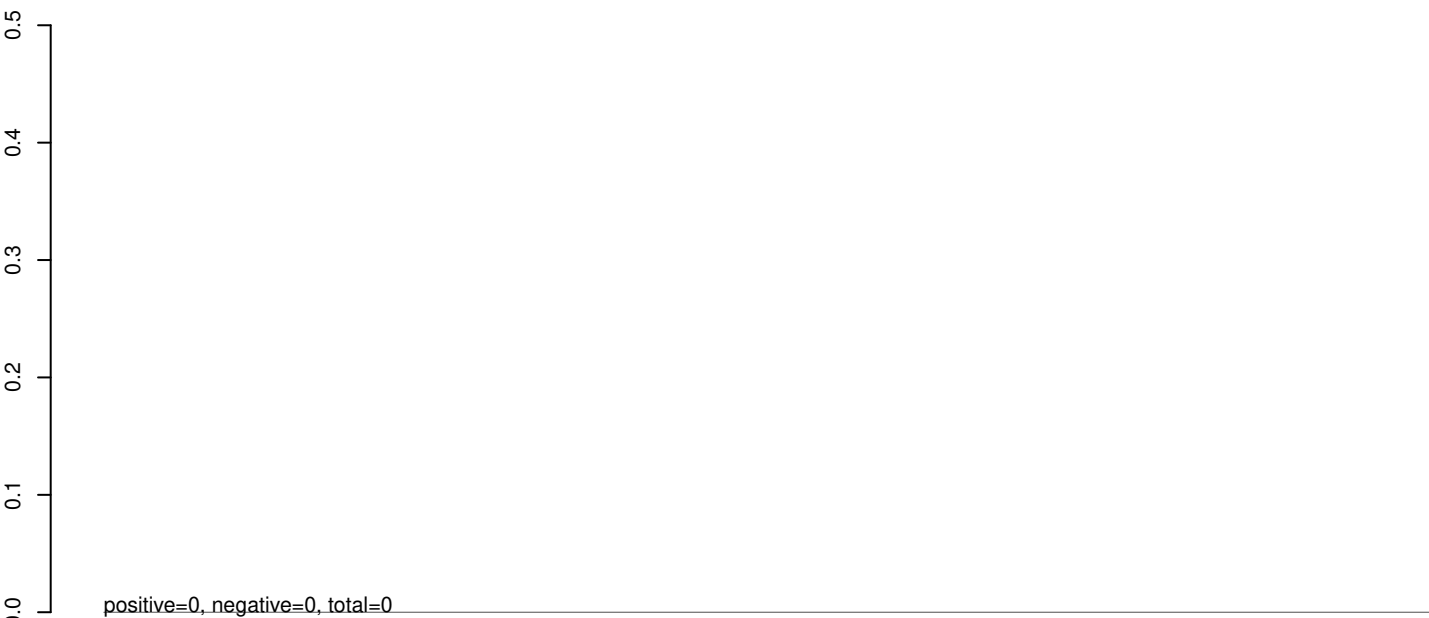
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

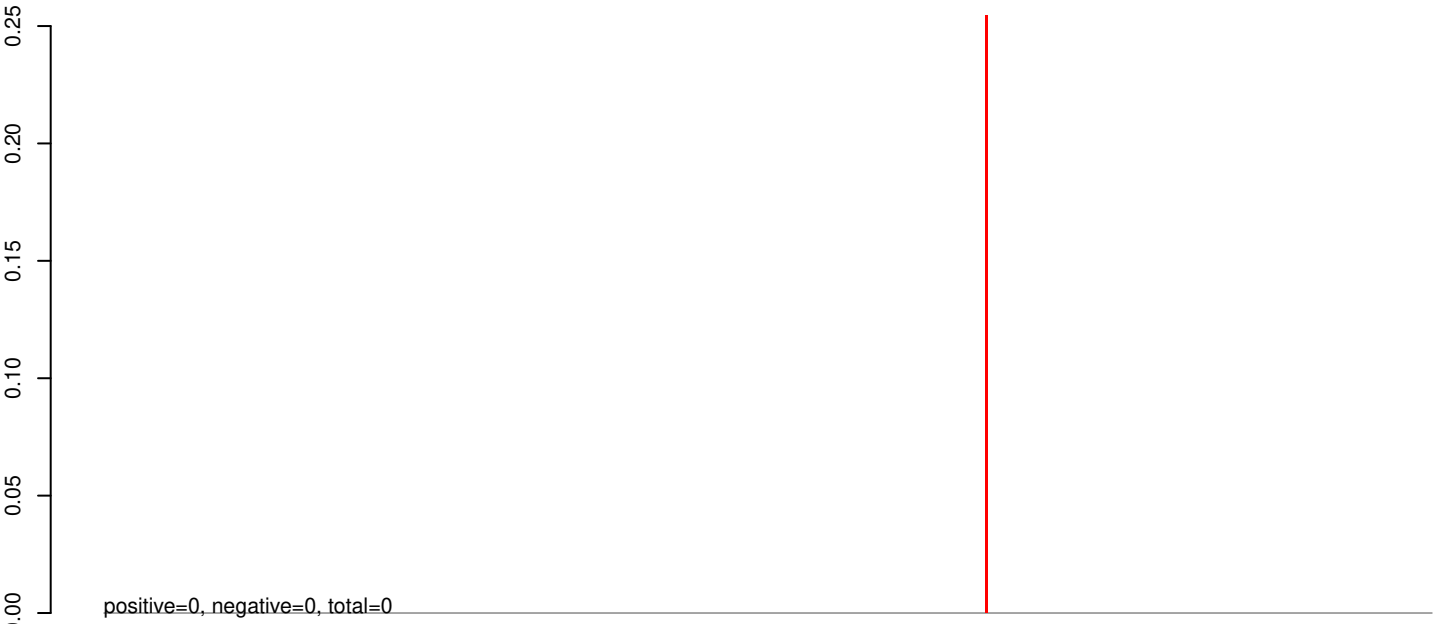


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

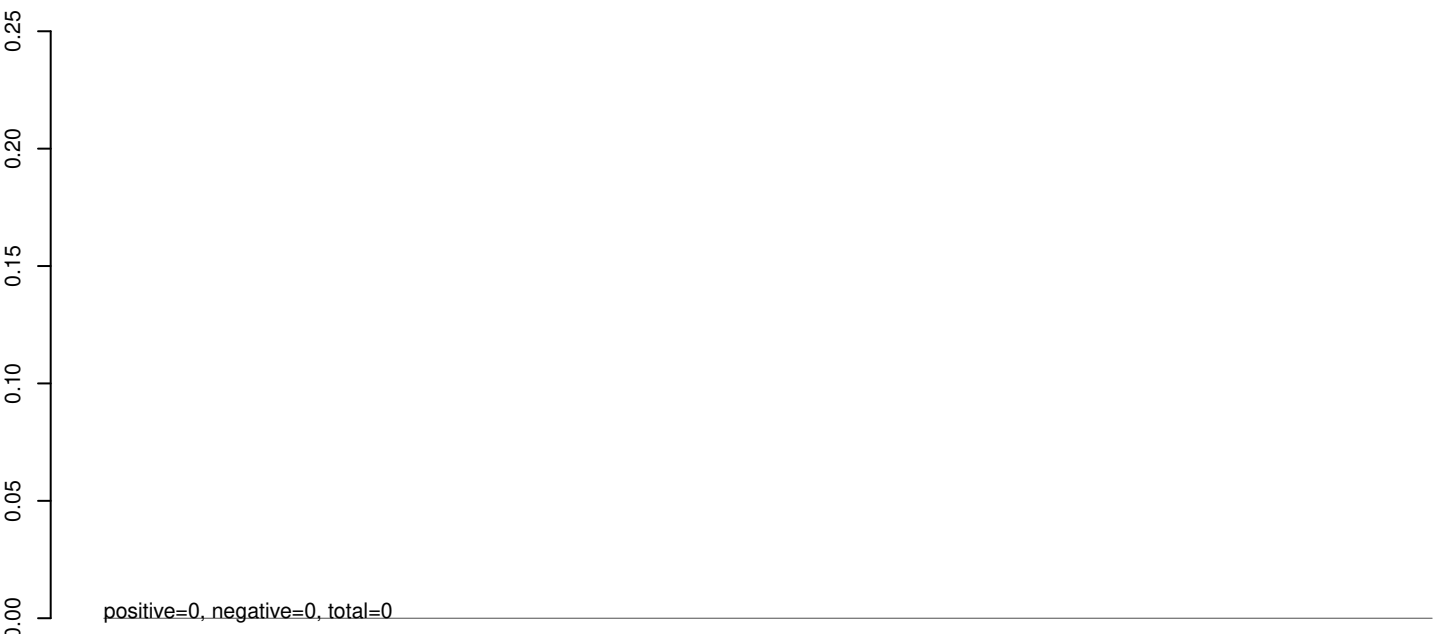


0 2000 4000 6000 8000 10000

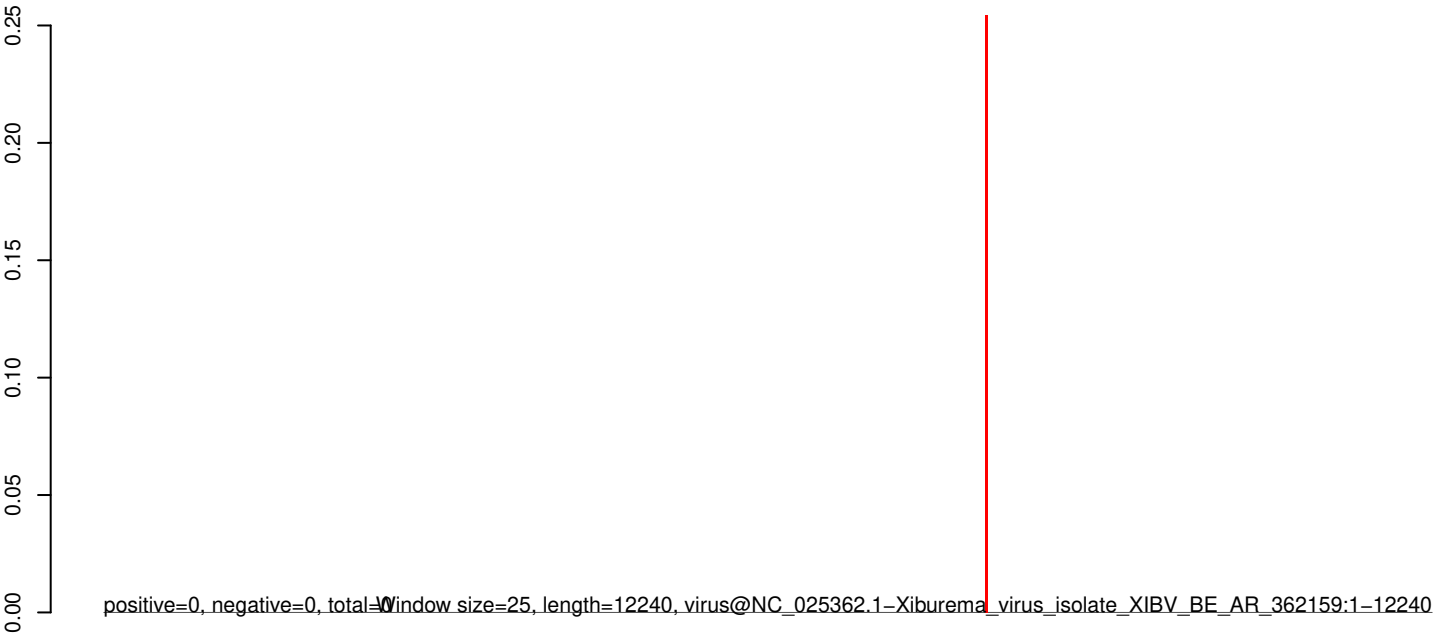
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



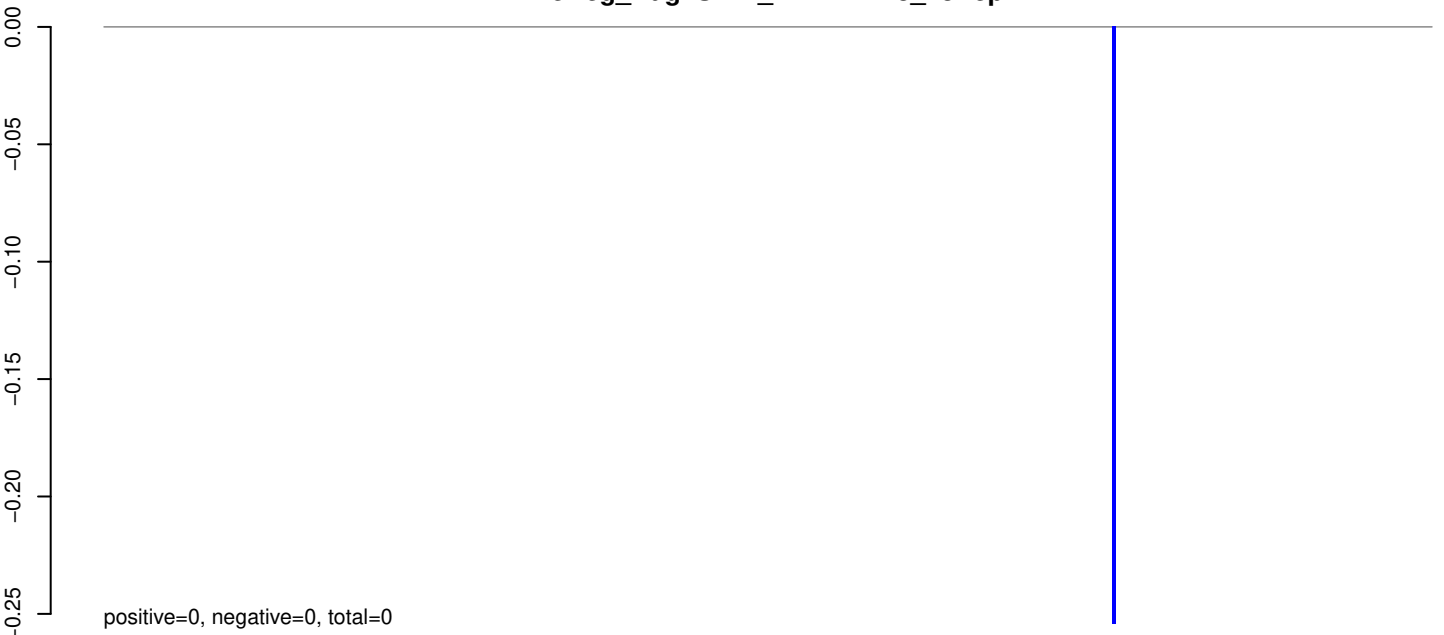
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



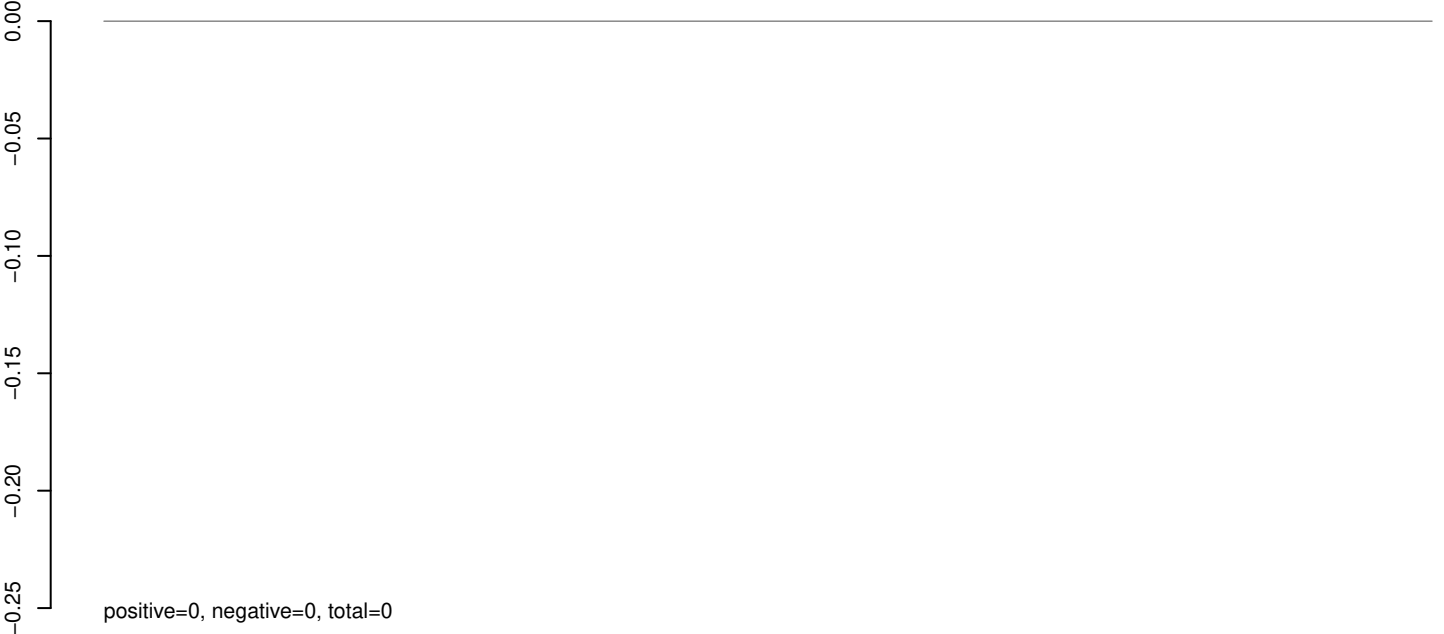
Window size=25, length=12240, virus@NC\_025362.1-Xiburema\_virus\_isolate\_XIBV\_BE\_AR\_362159:1-12240

0 2000 4000 6000 8000 10000 12000

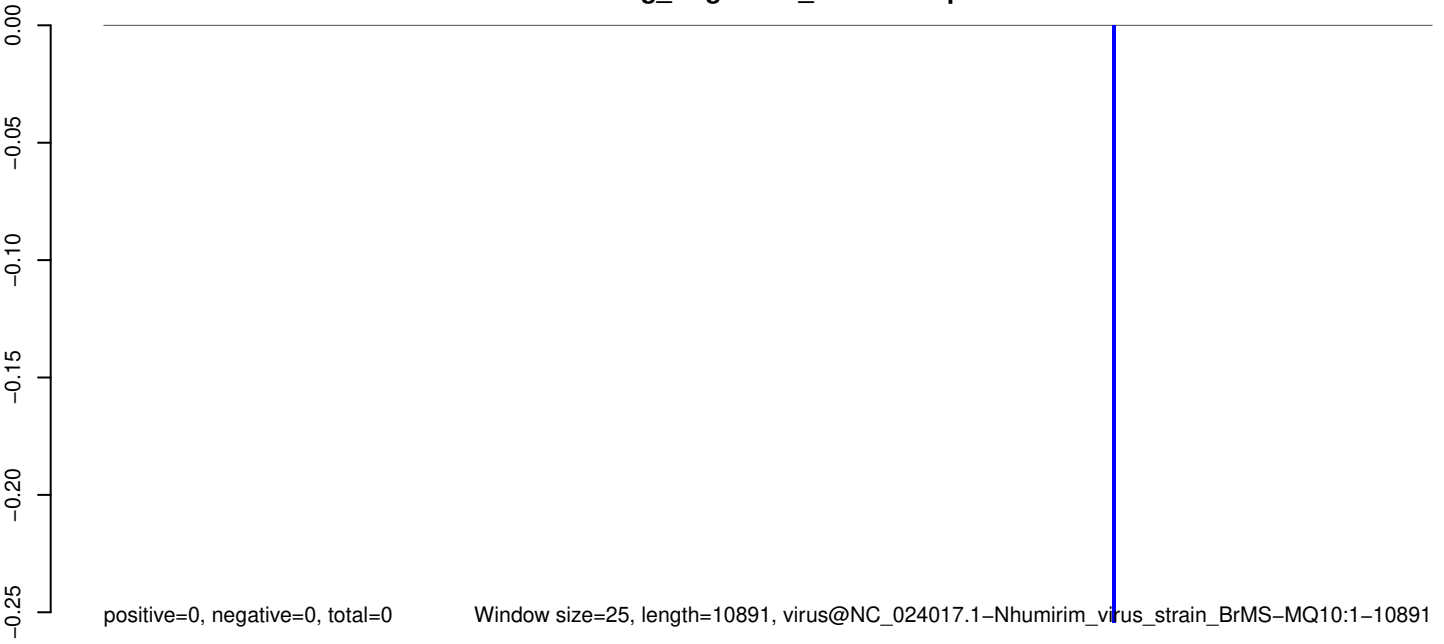
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

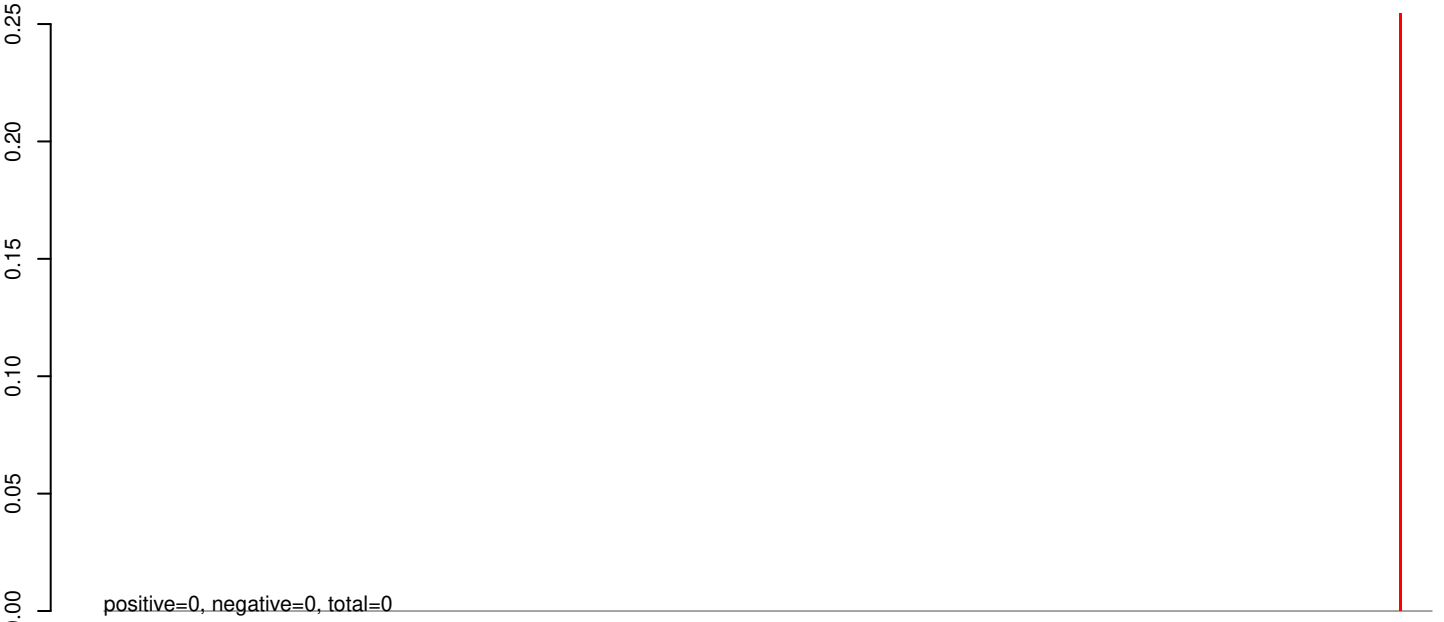


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

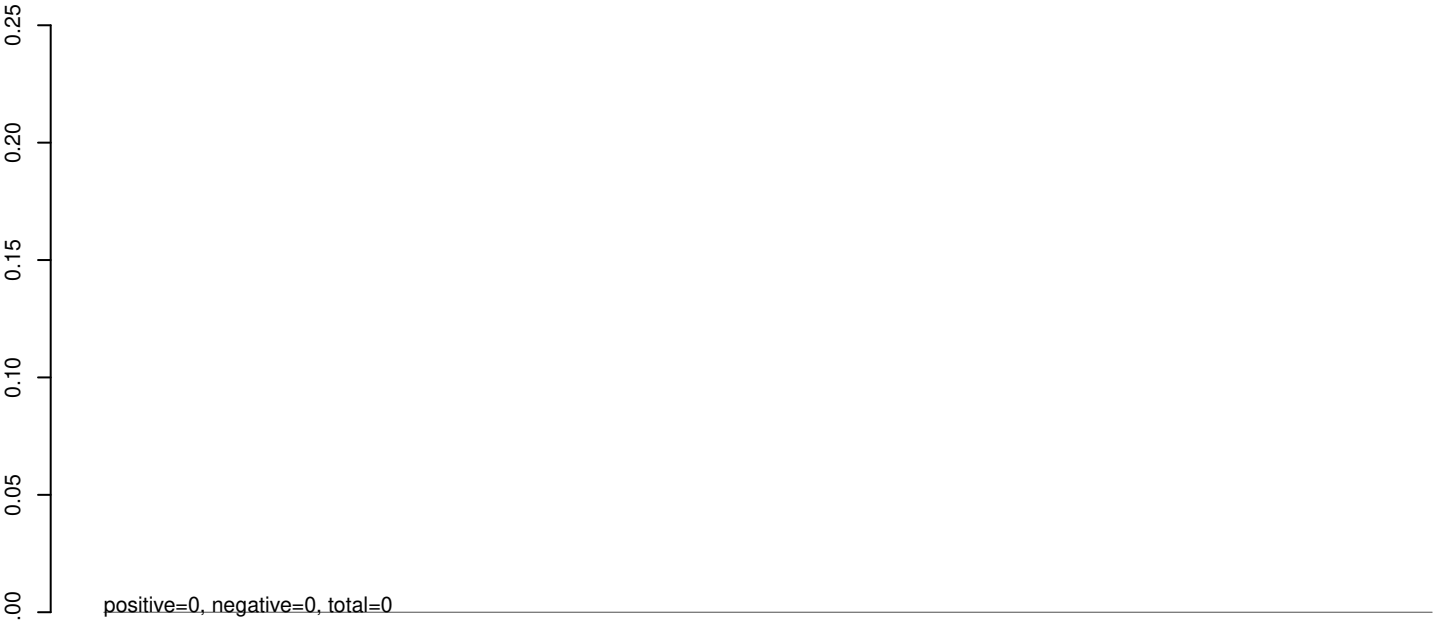




**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



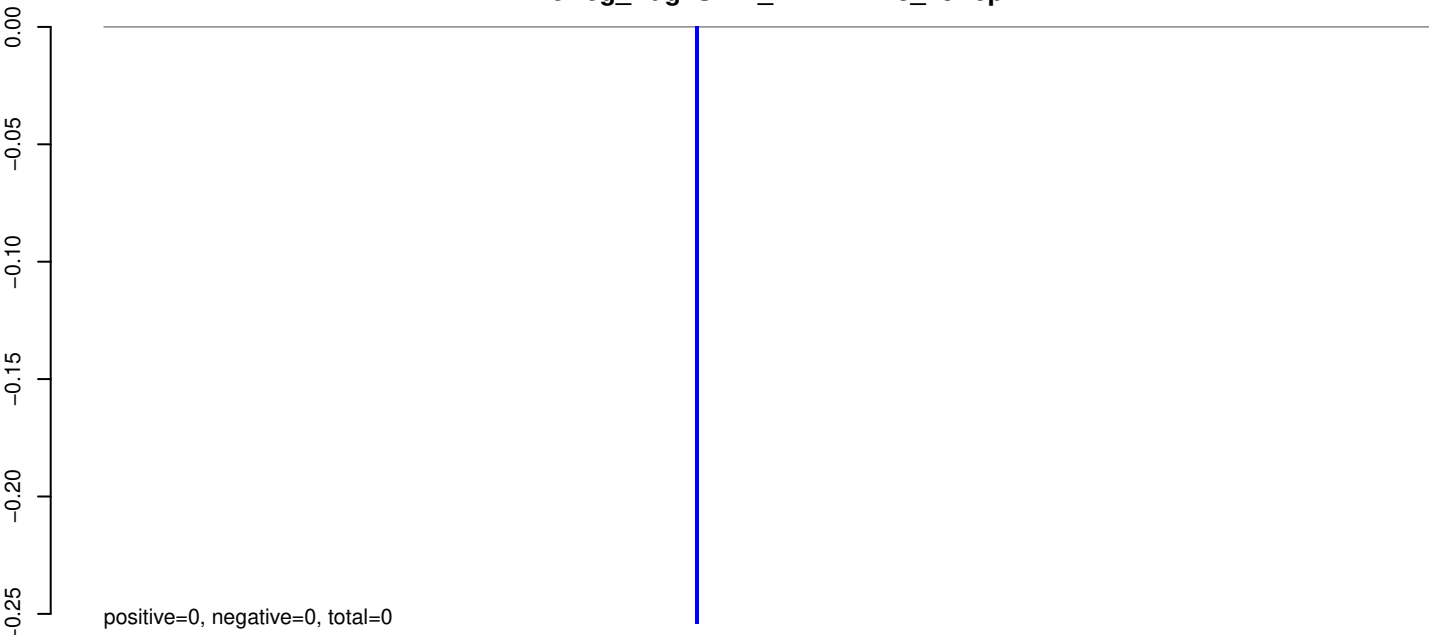
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



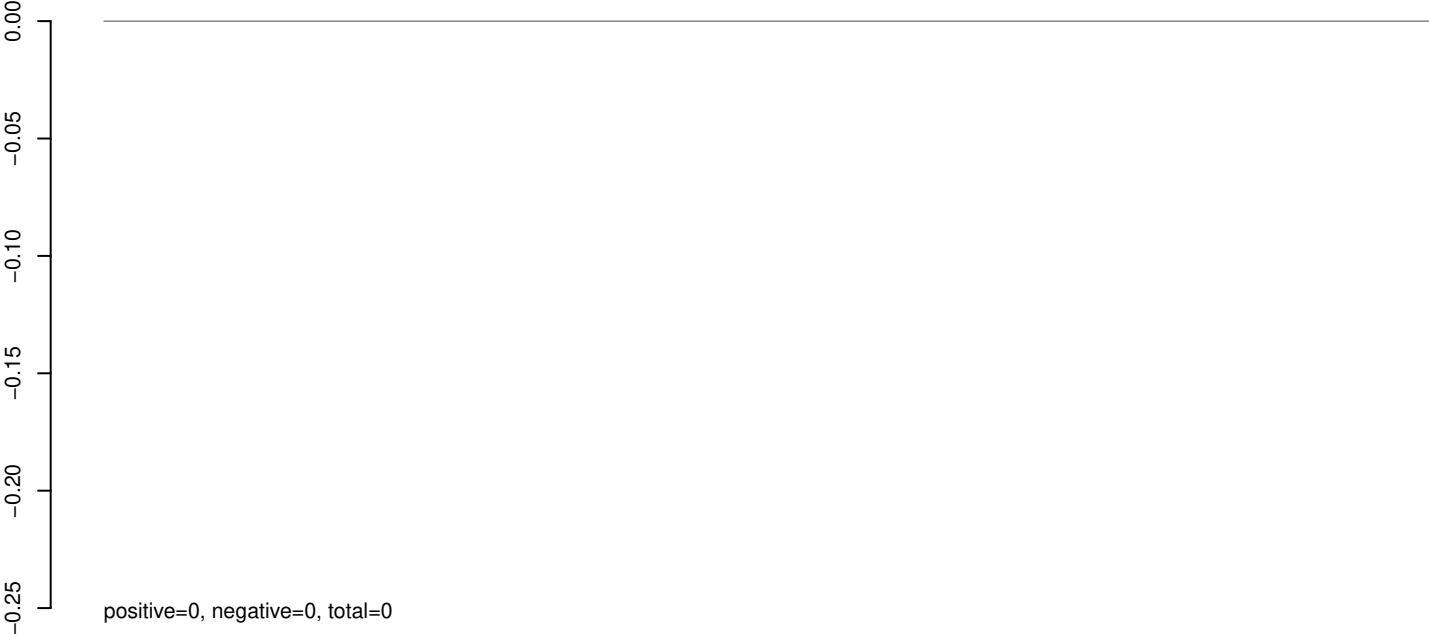
positive=0, negative=0, total=0 window size=25, length=11064, virus@NC\_012932.1-Aedes\_flavivirus\_genomic\_RNA\_strain\_Narita-21:1-11064

0 2000 4000 6000 8000 10000

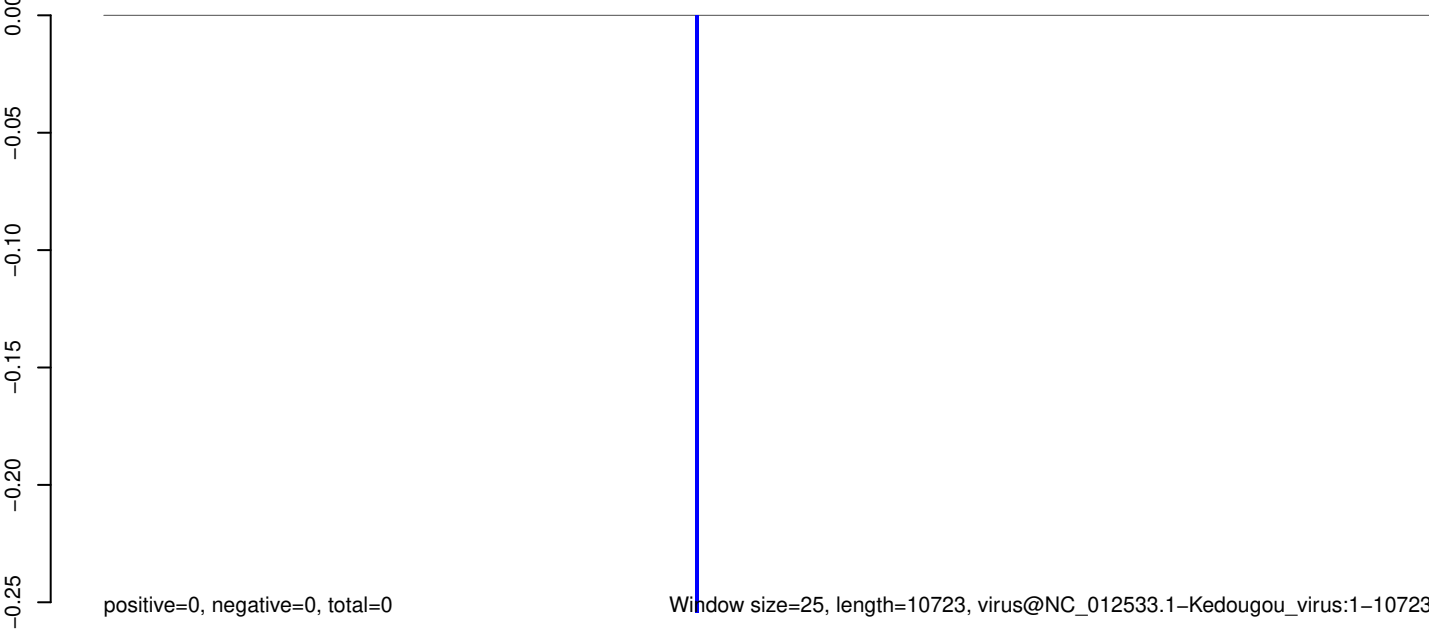
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

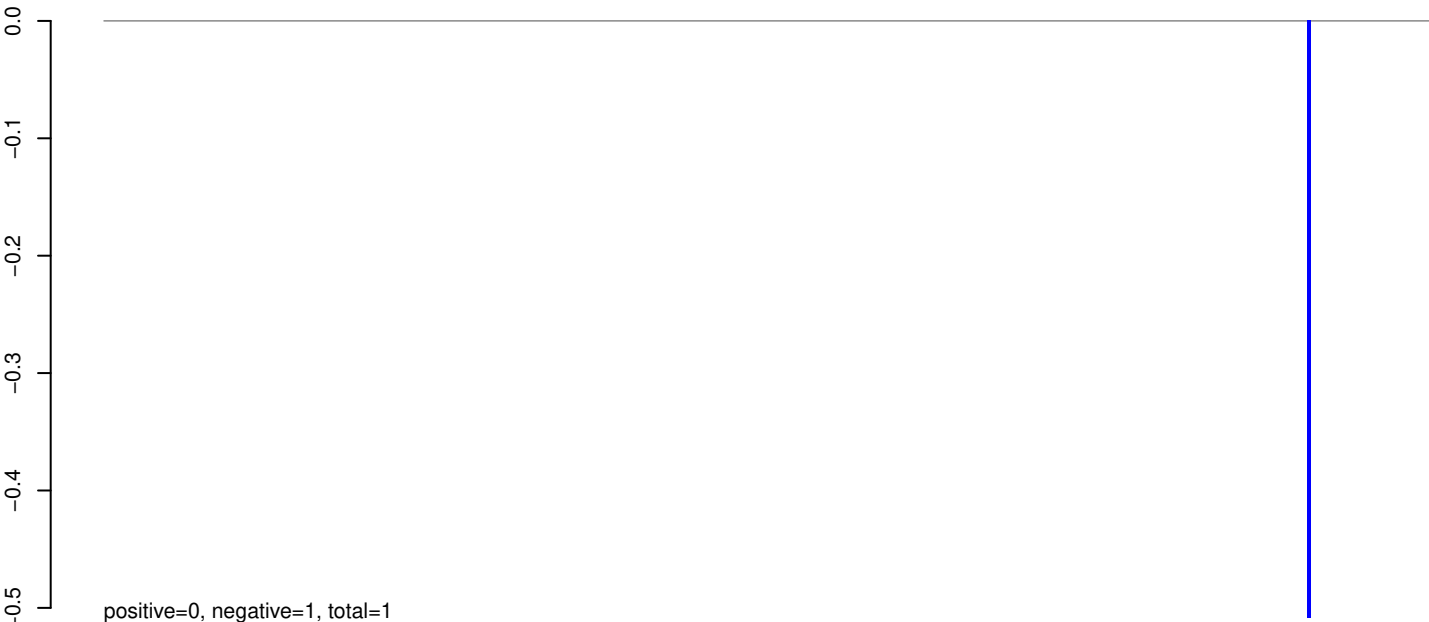


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

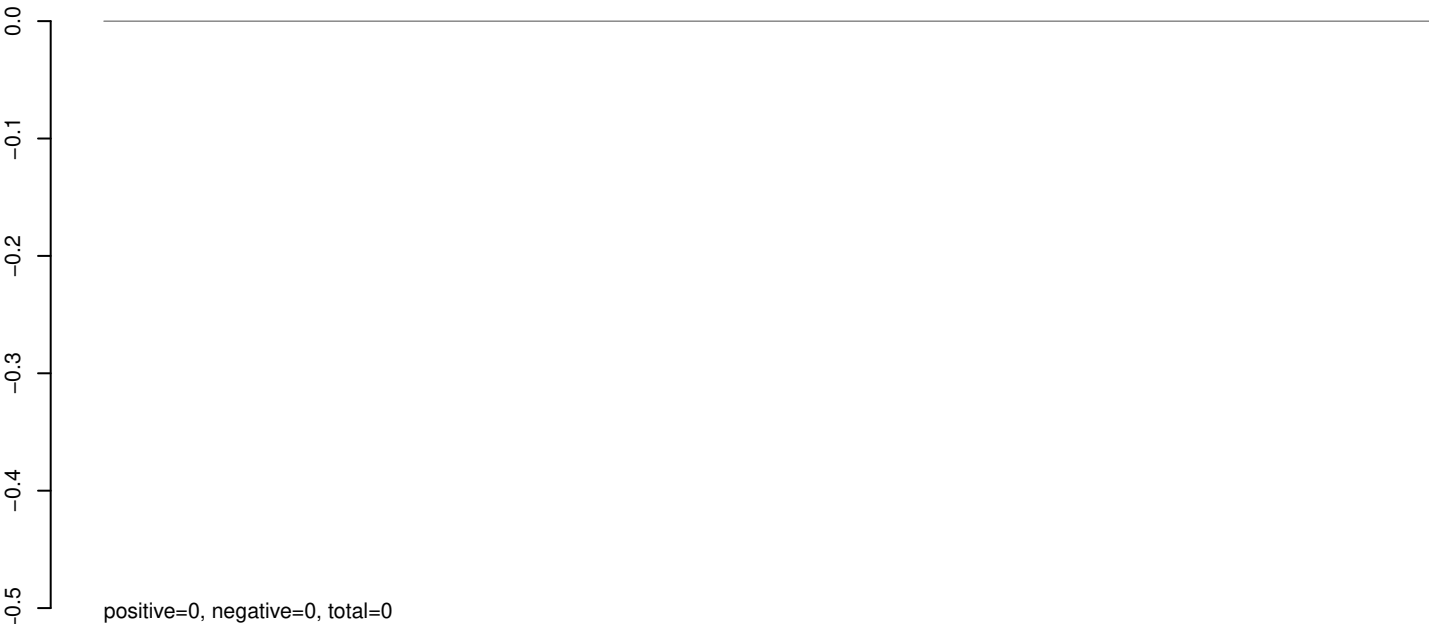


0 2000 4000 6000 8000 10000

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



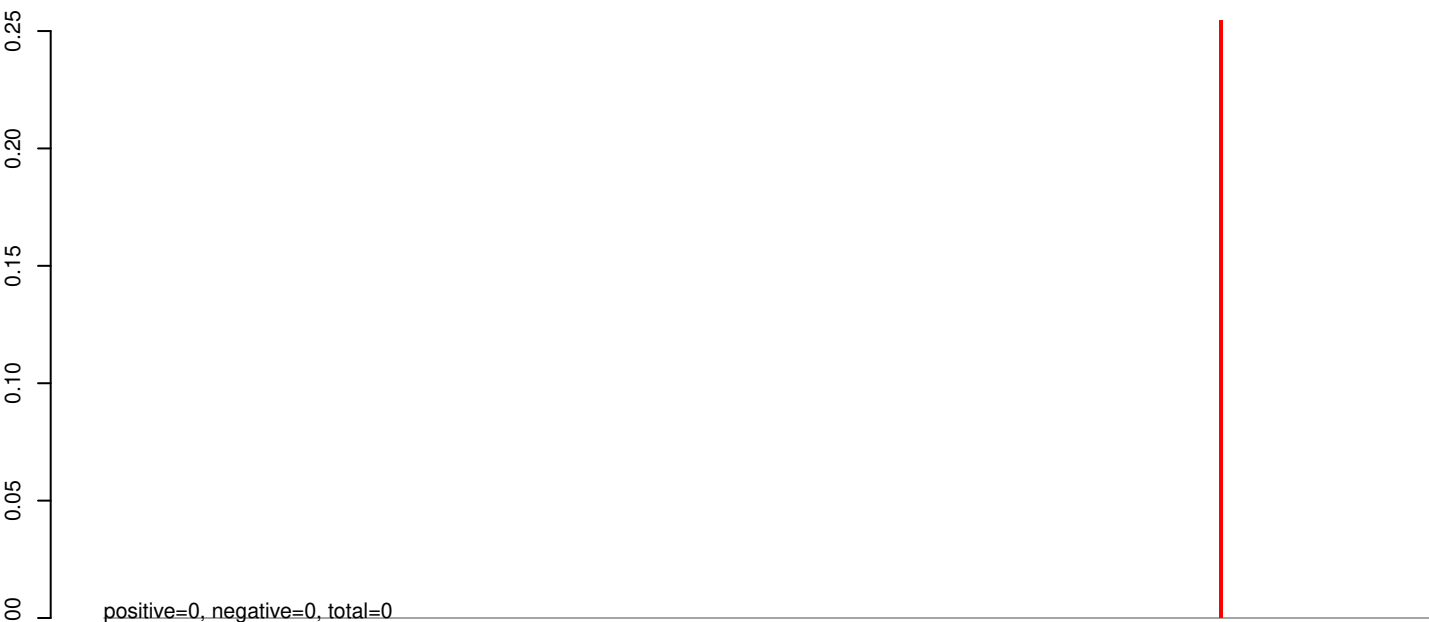
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



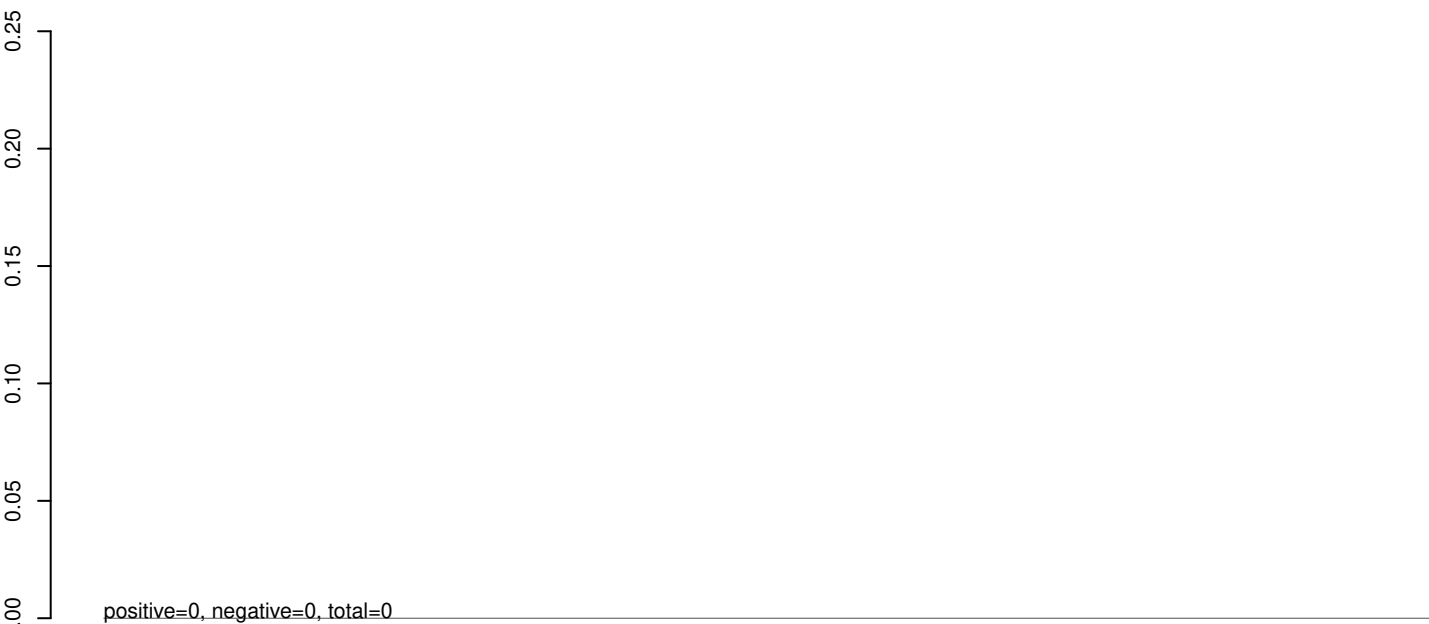
Window size=25, length=10874, virus@NC\_009029.2-Kokobera\_virus:1-10874

0 2000 4000 6000 8000 10000

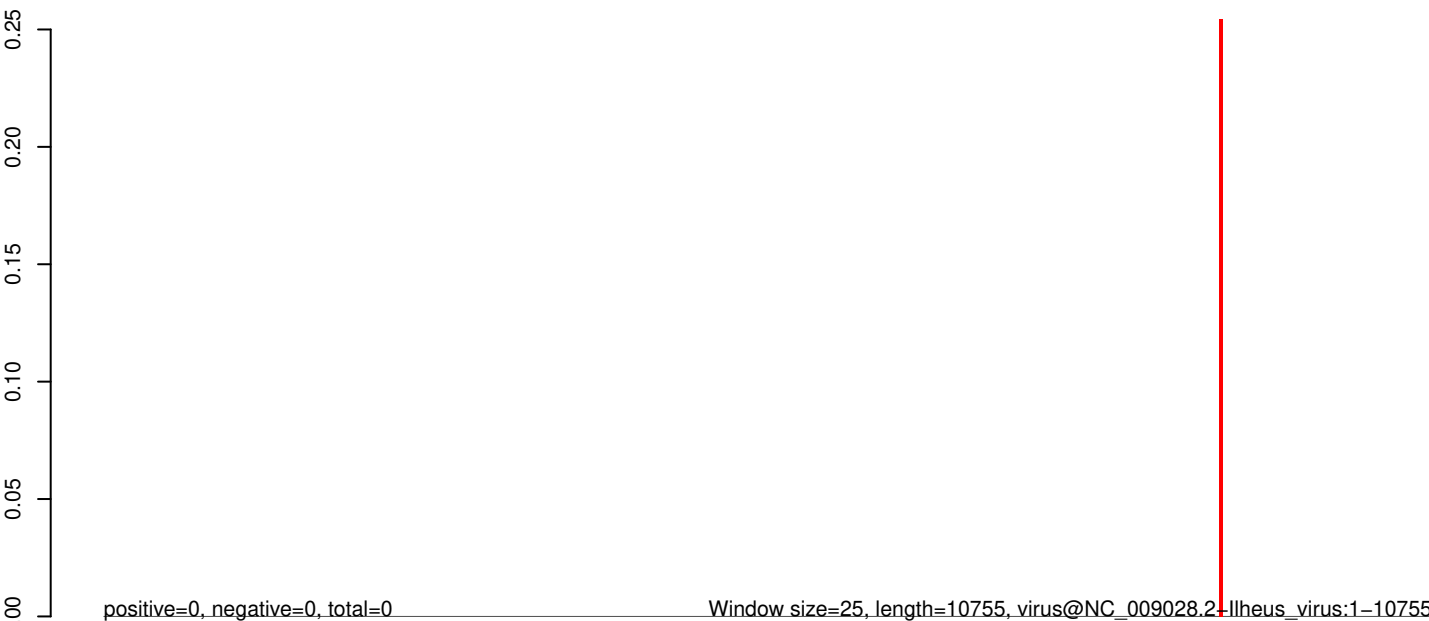
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

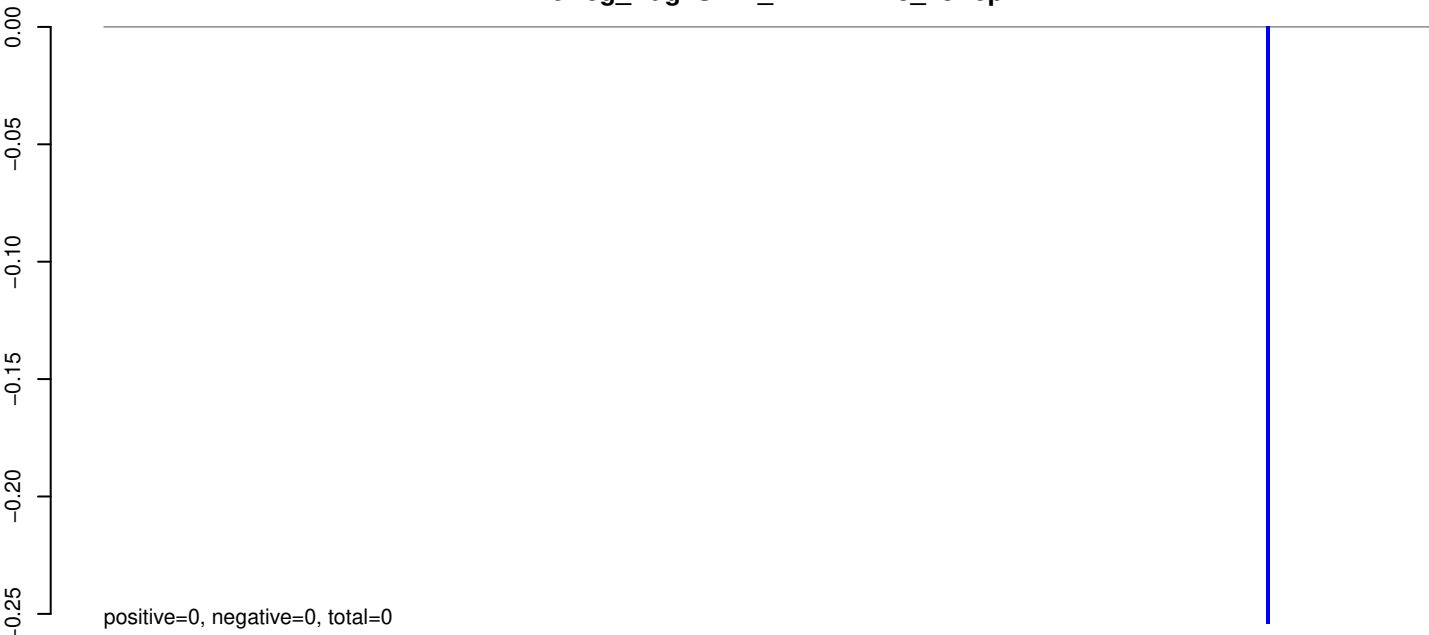


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

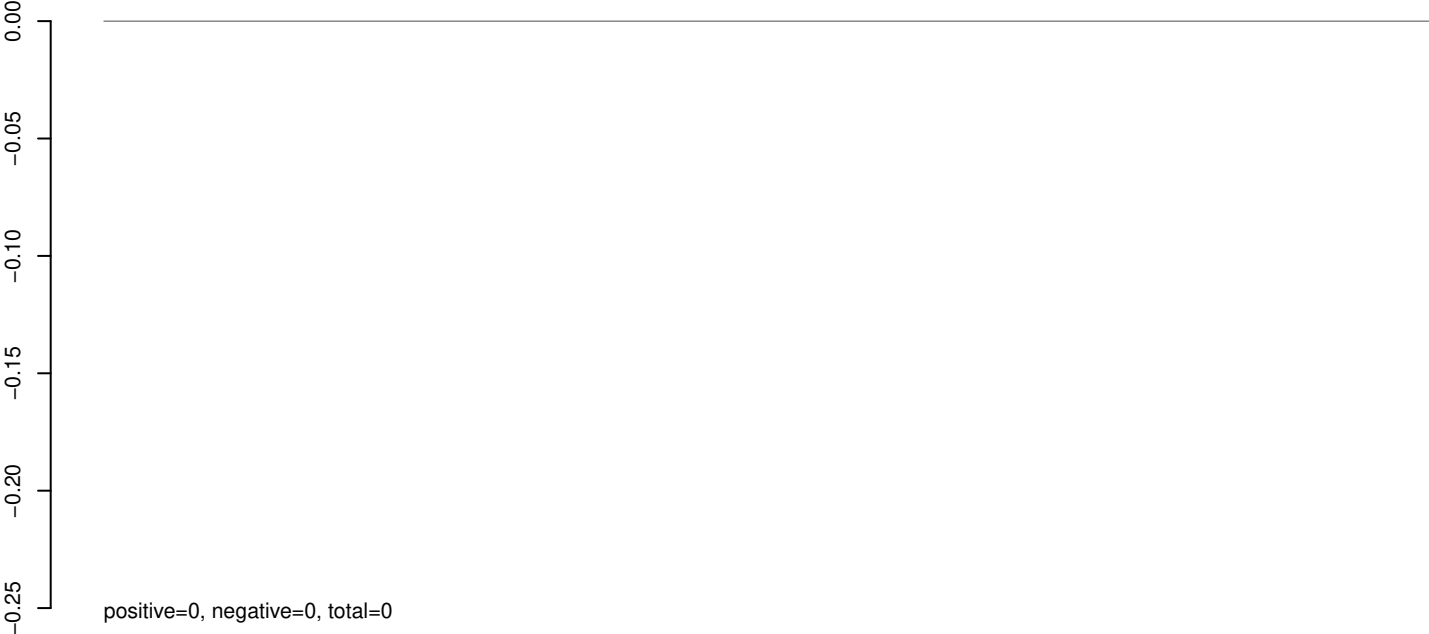


0 2000 4000 6000 8000 10000

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



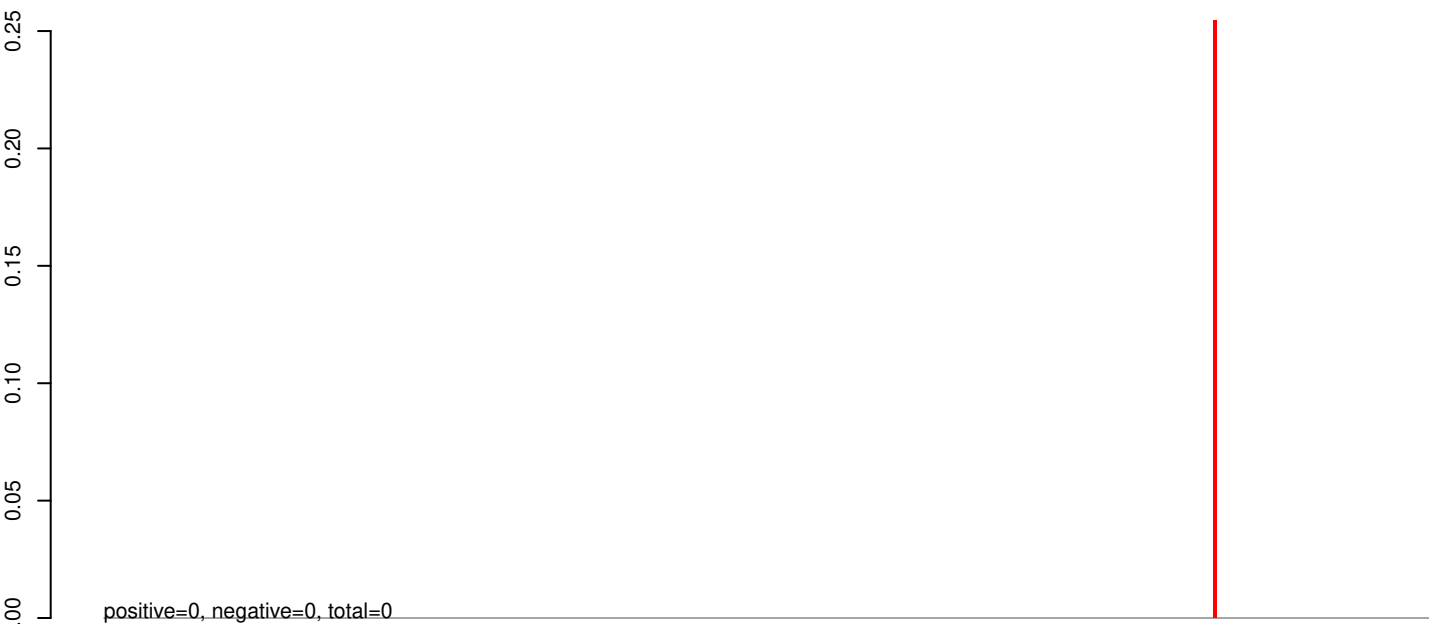
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



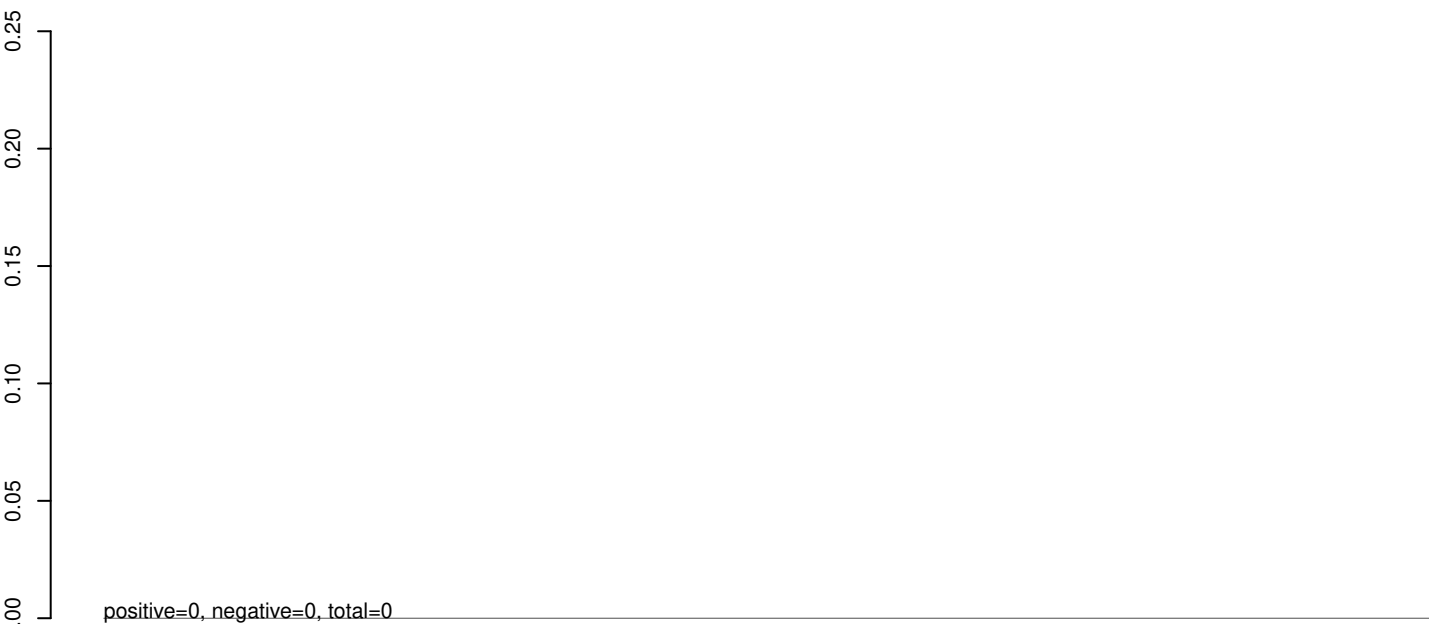
Window size=25, length=10815, virus@NC\_009026.2-Bussuquara\_virus:1-10815

0 2000 4000 6000 8000 10000

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

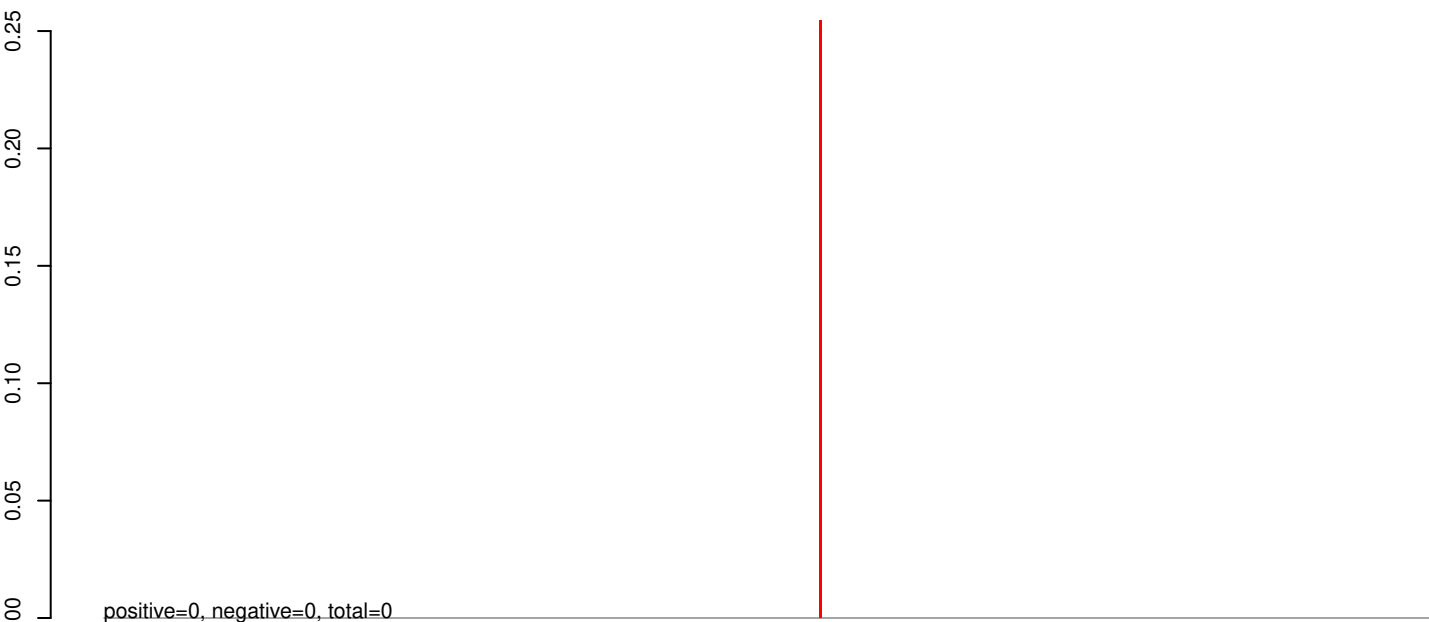


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

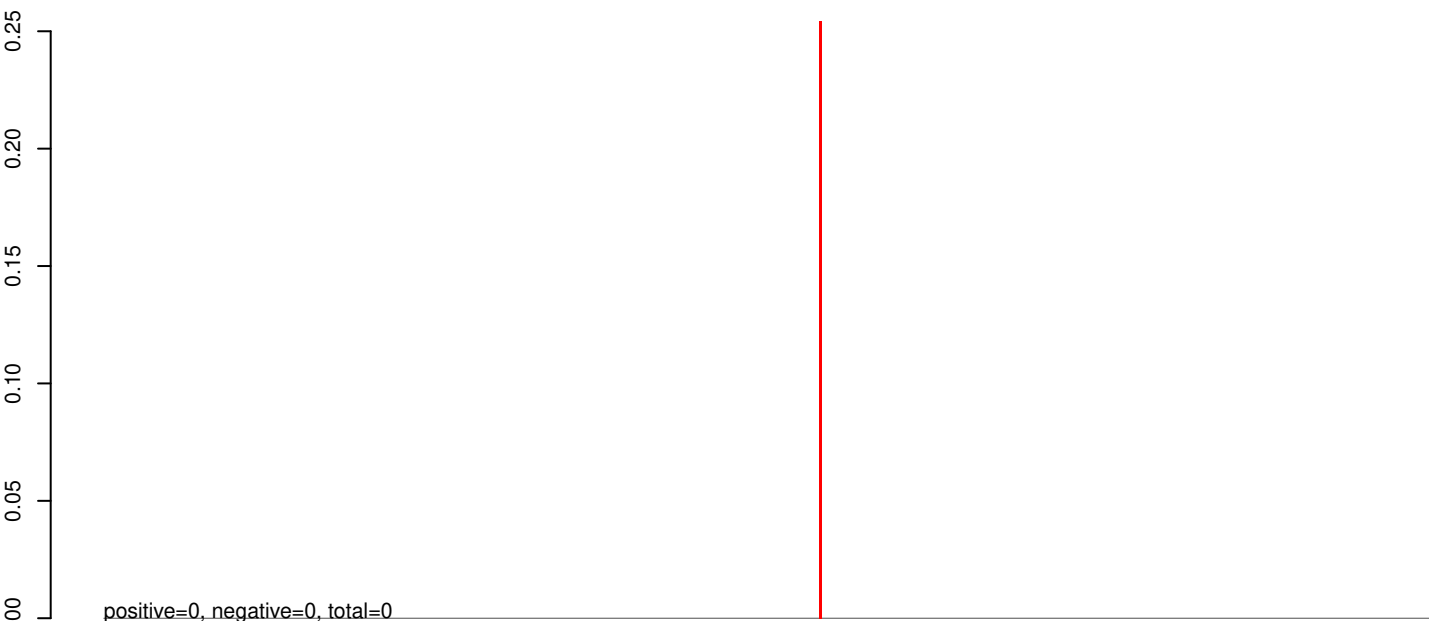


0 2000 4000 6000 8000 10000

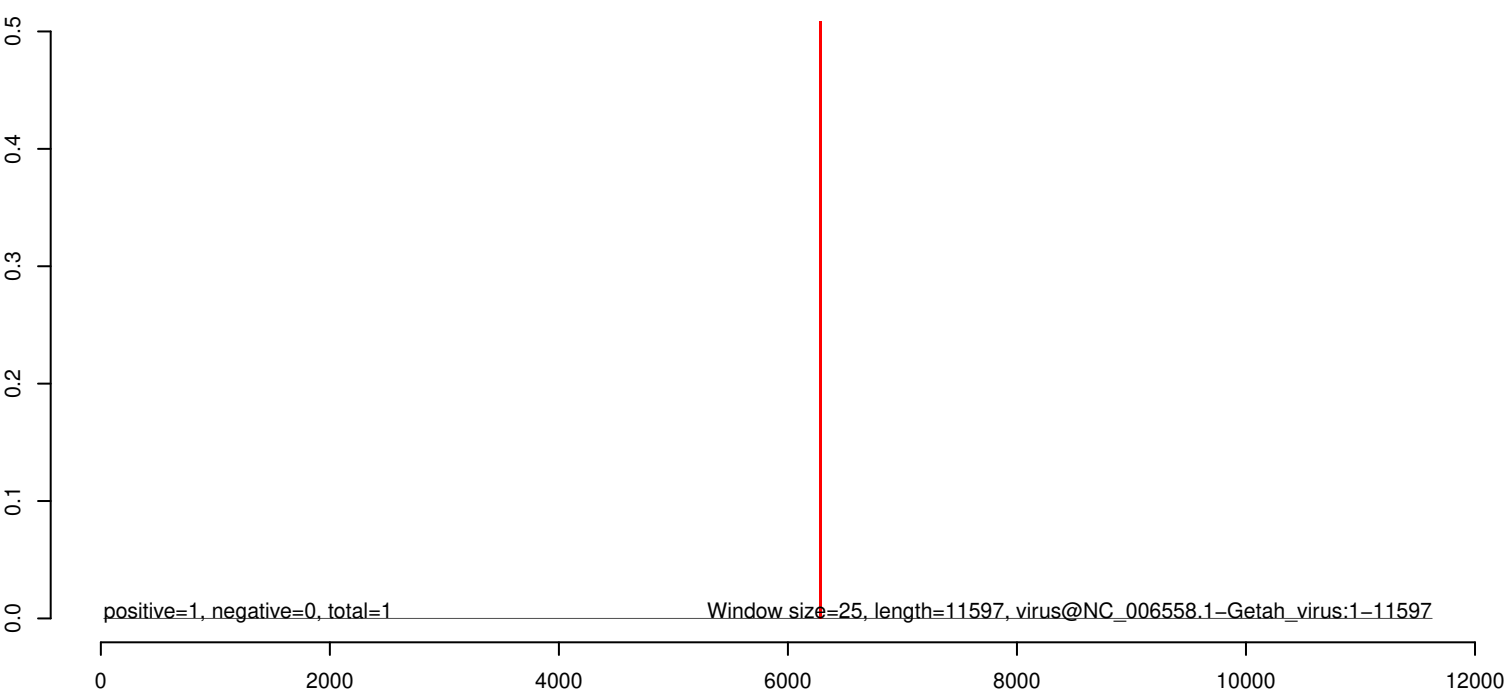
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



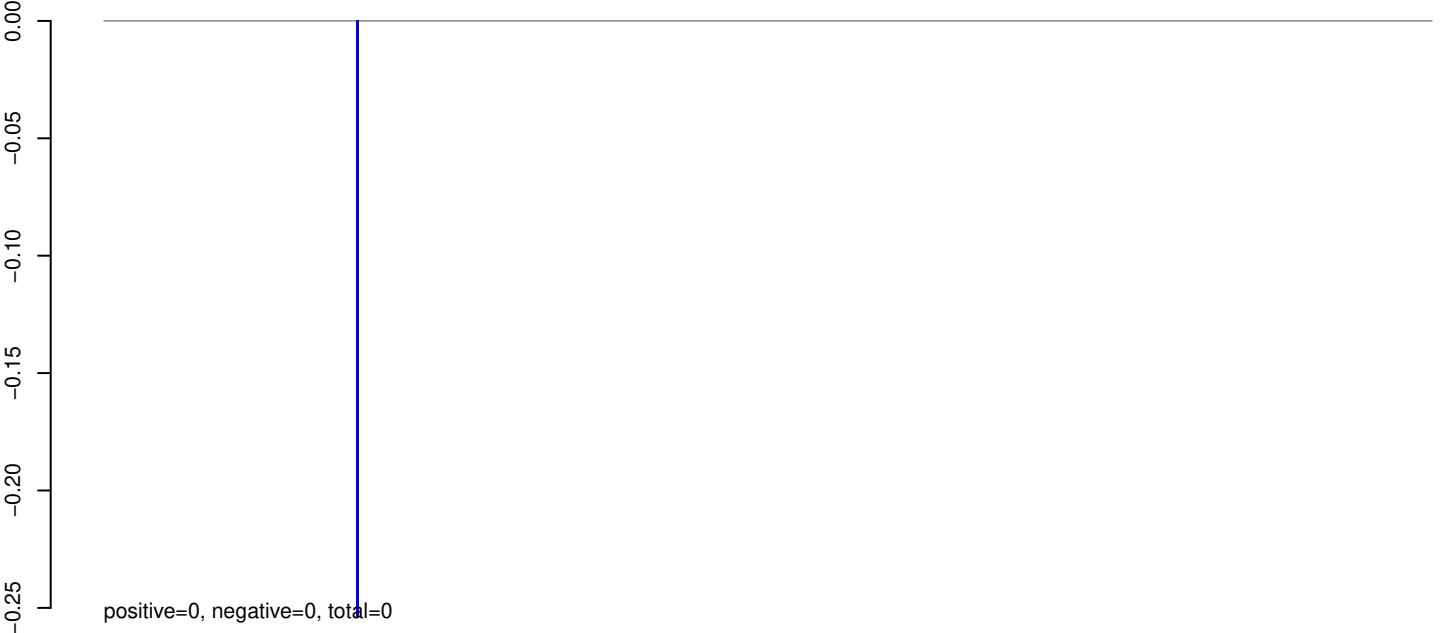
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



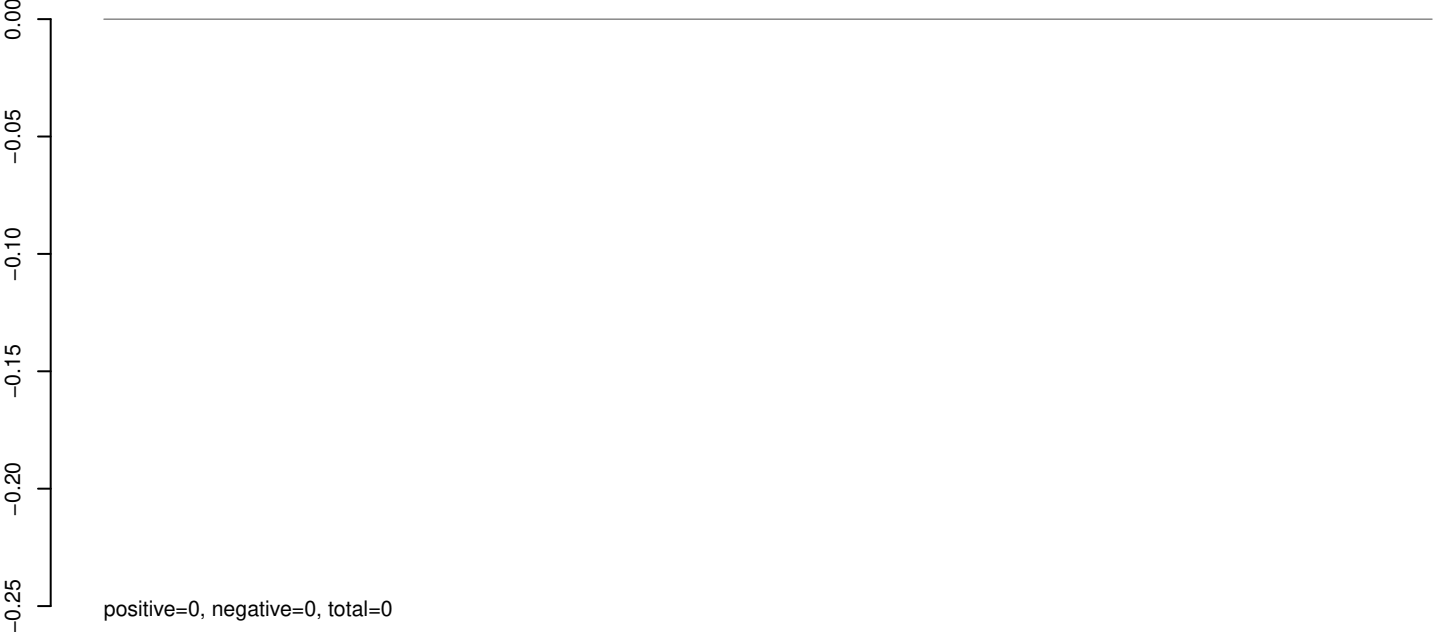
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

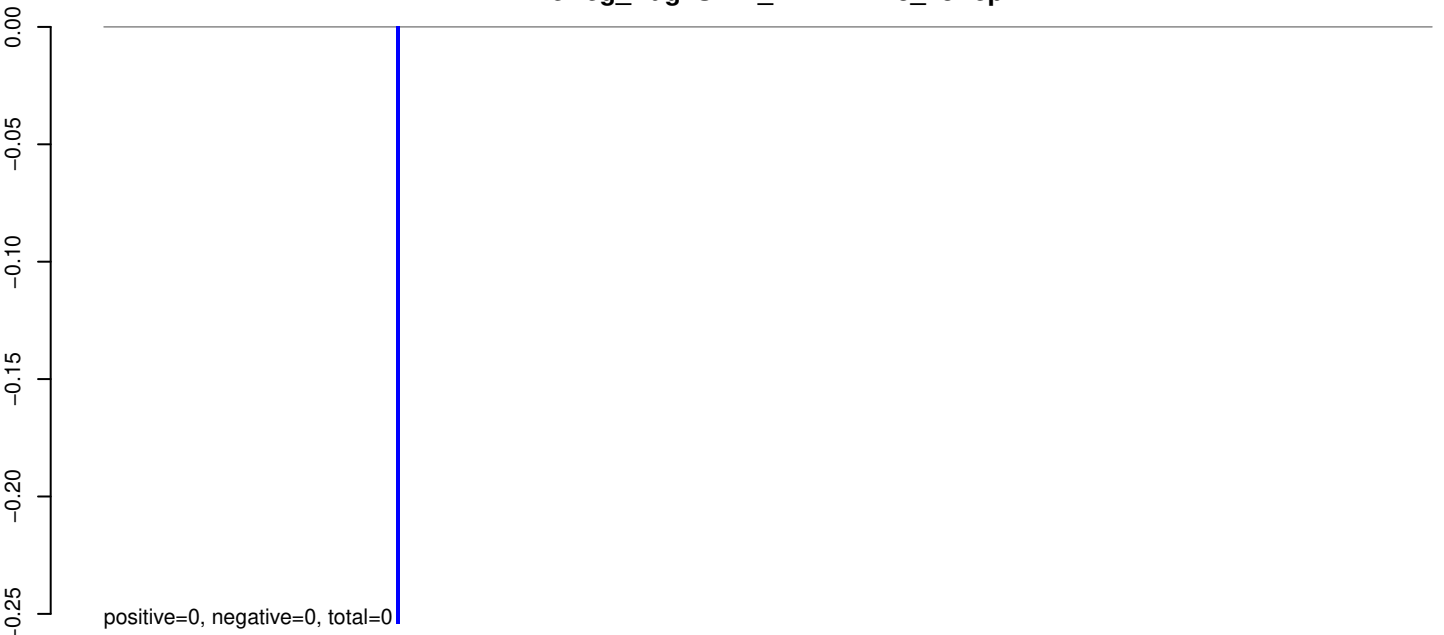


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

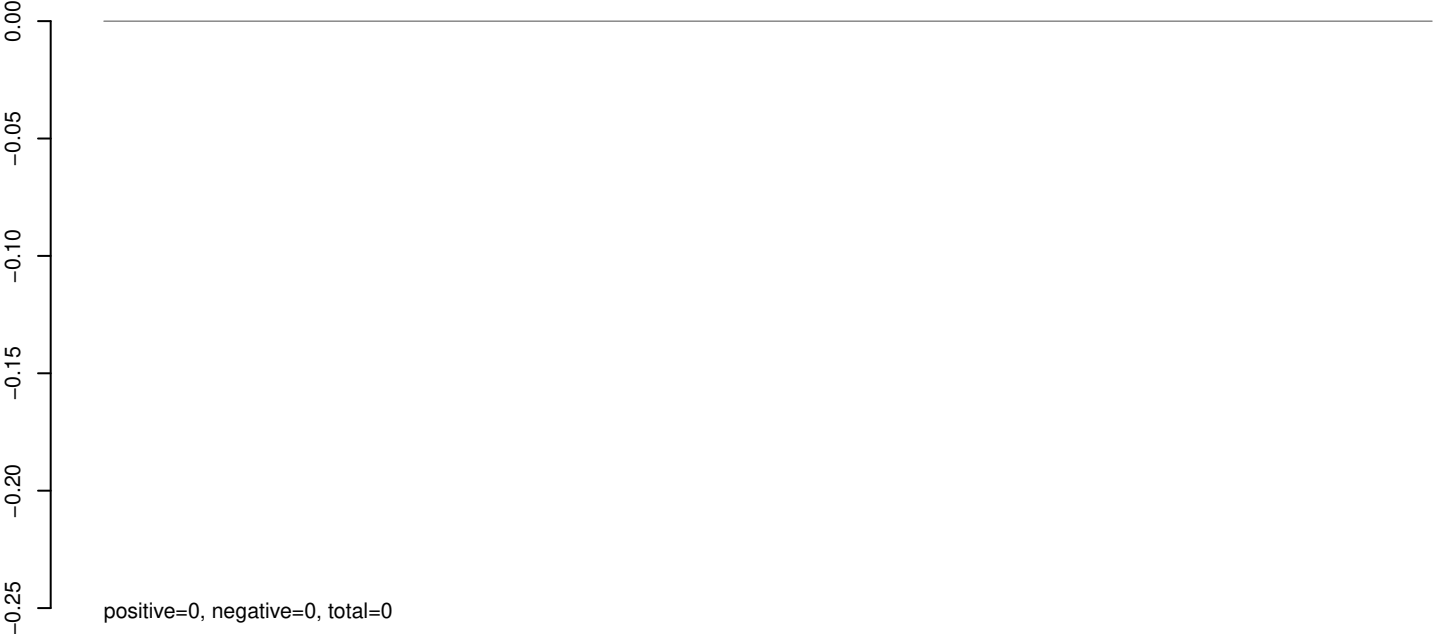




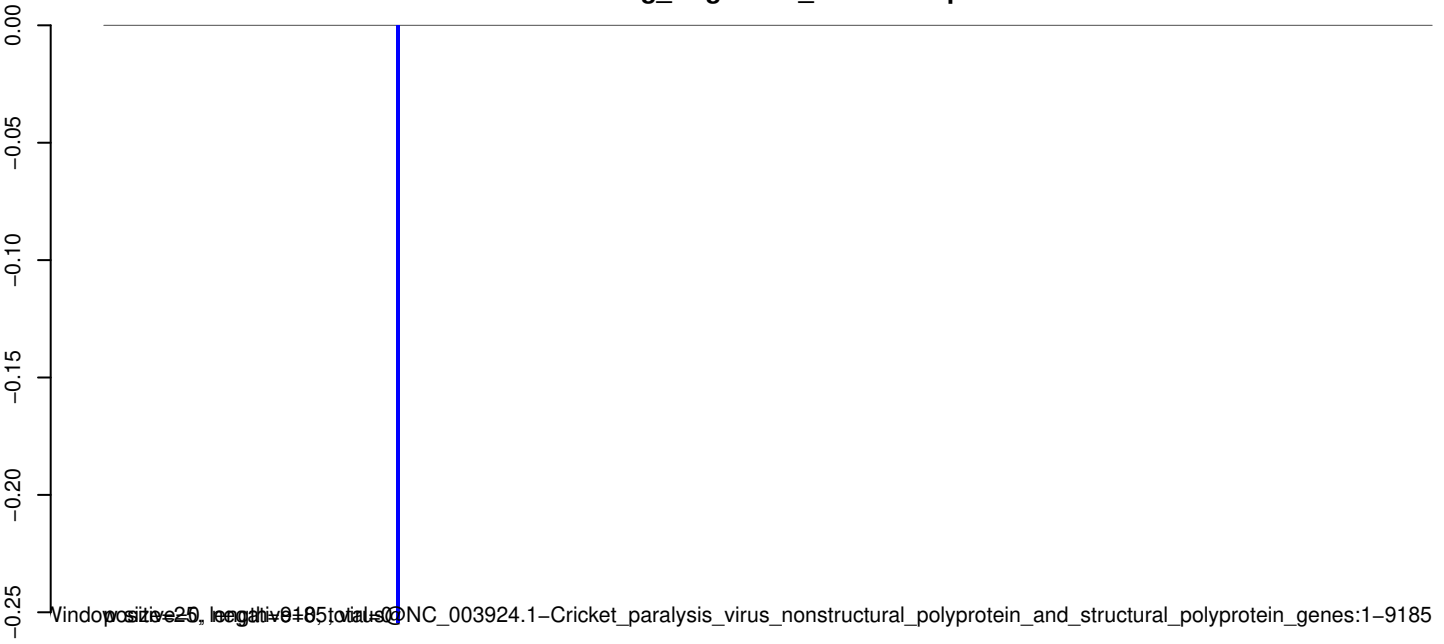
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



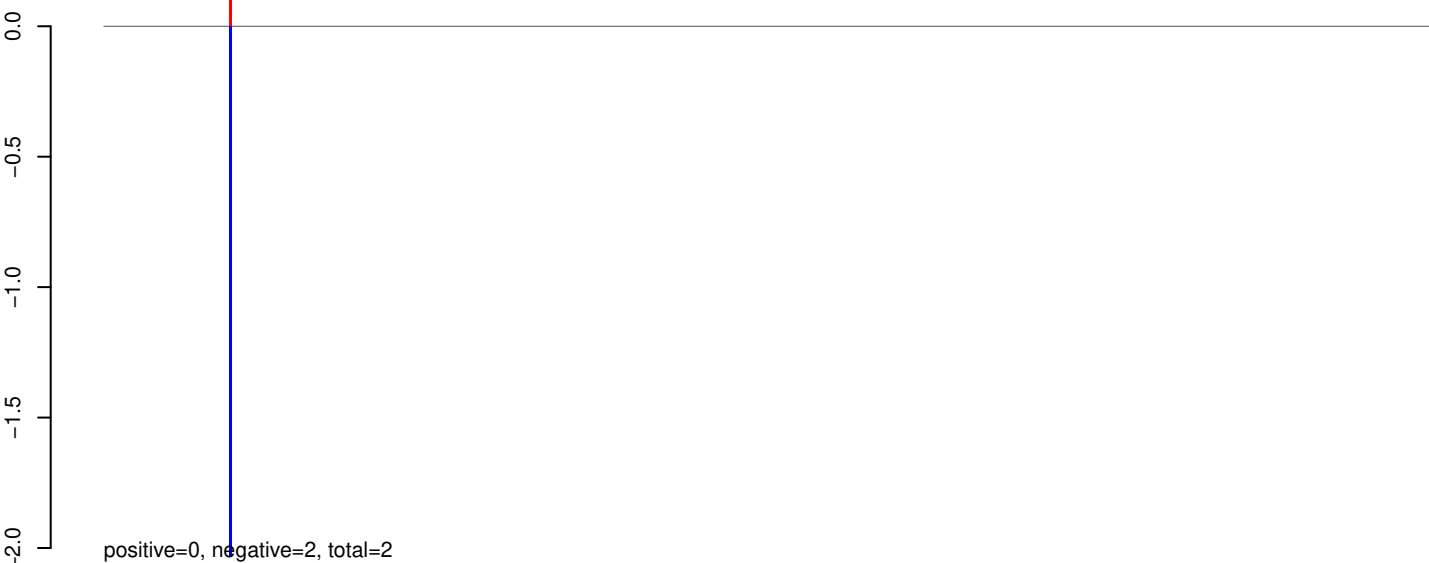
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



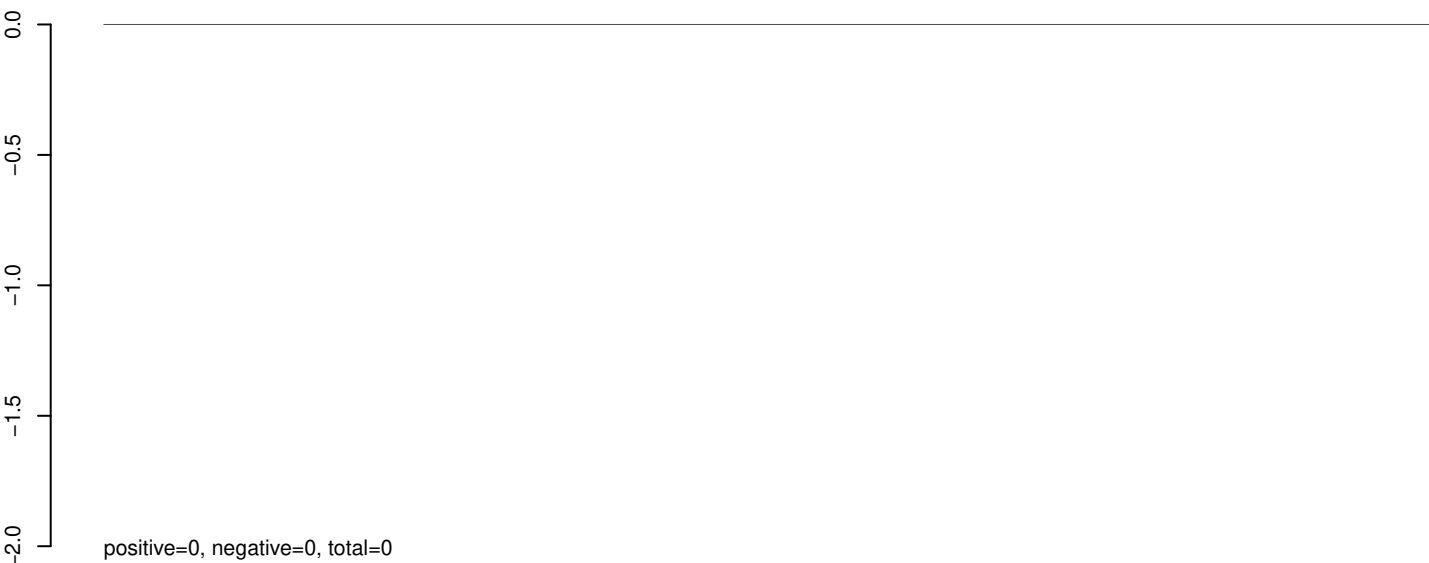
Window size: 25, length: 185, total: 50  
NC\_003924.1-Cricket paralysis virus nonstructural polyprotein and structural polyprotein genes:1-9185

0 2000 4000 6000 8000

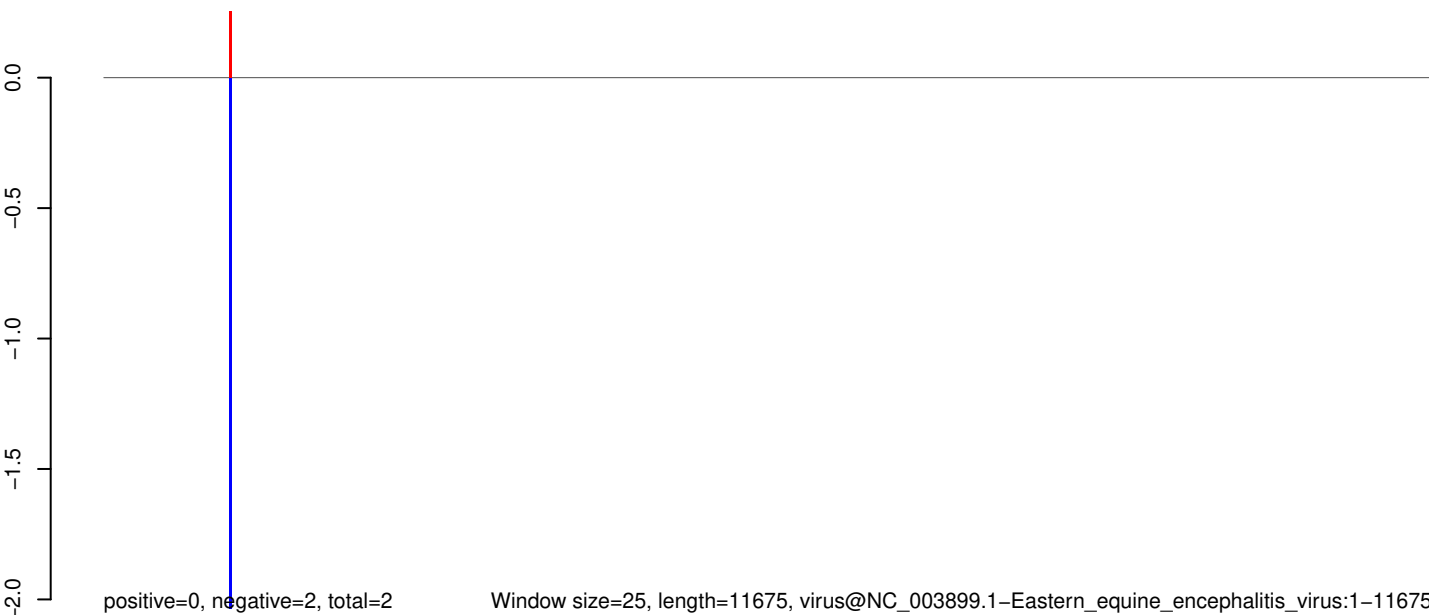
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



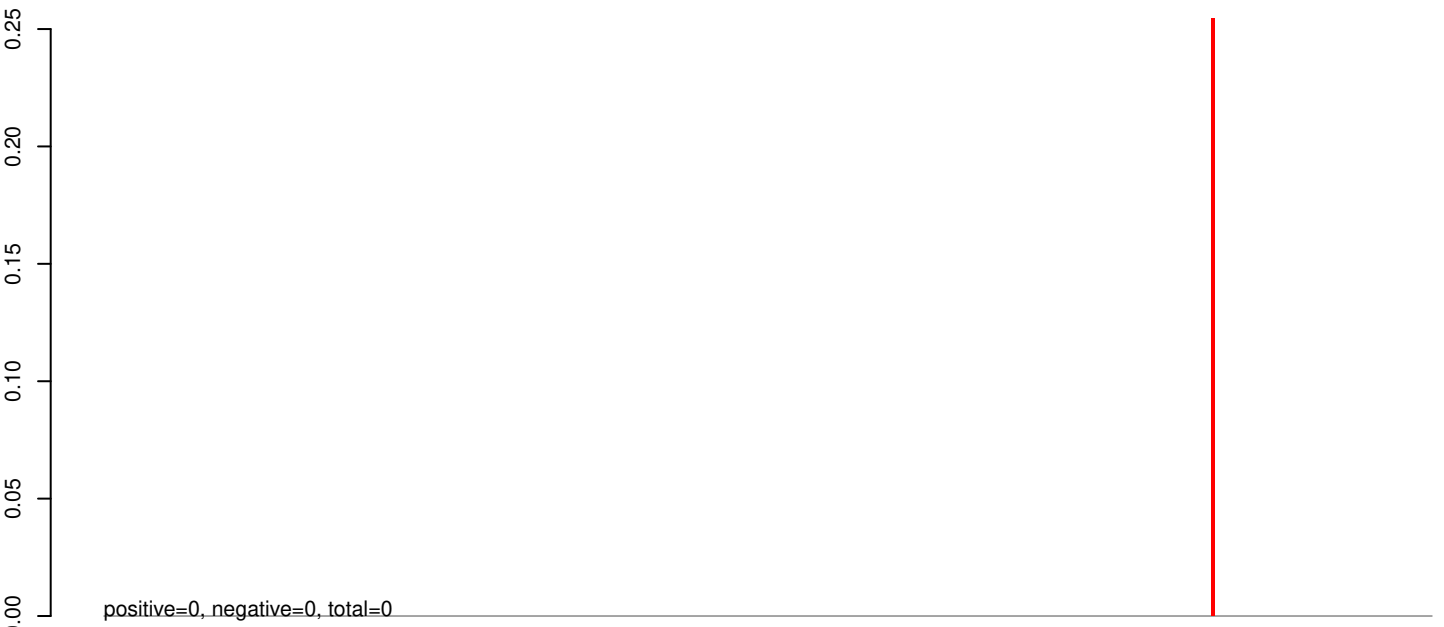
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



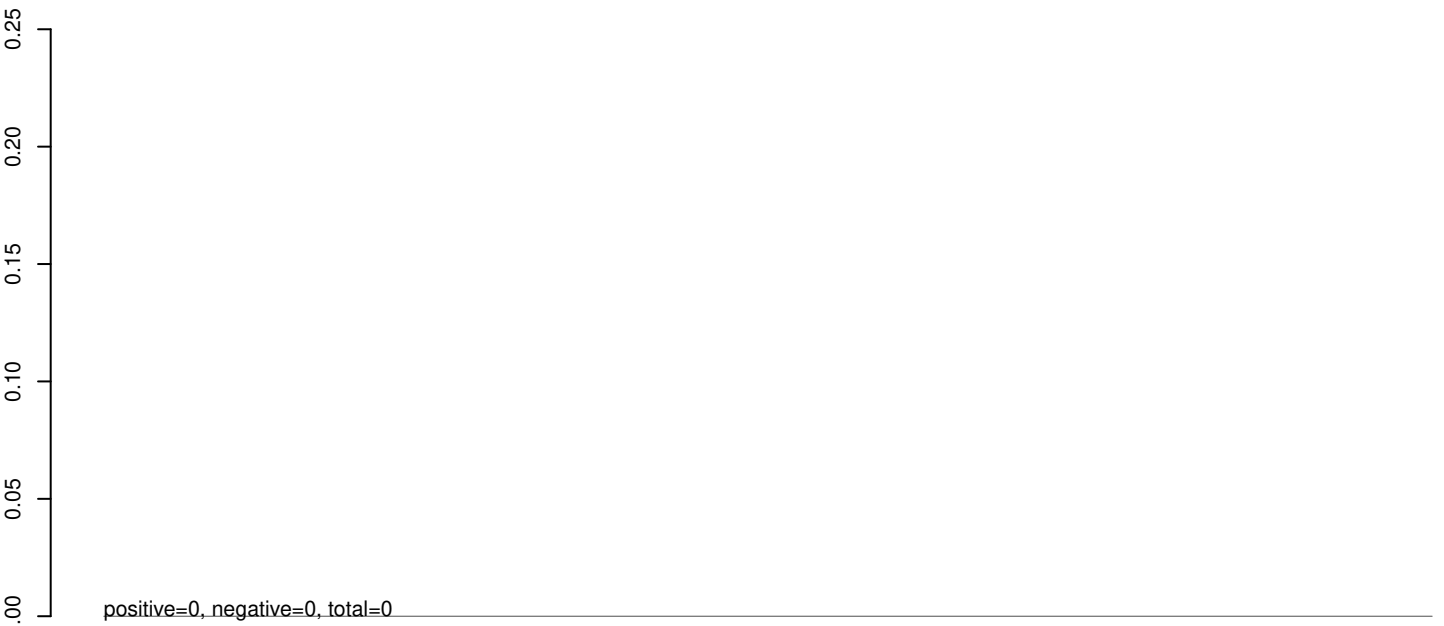
Window size=25, length=11675, virus@NC\_003899.1-Eastern\_equine\_encephalitis\_virus:1-11675

0 2000 4000 6000 8000 10000 12000

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

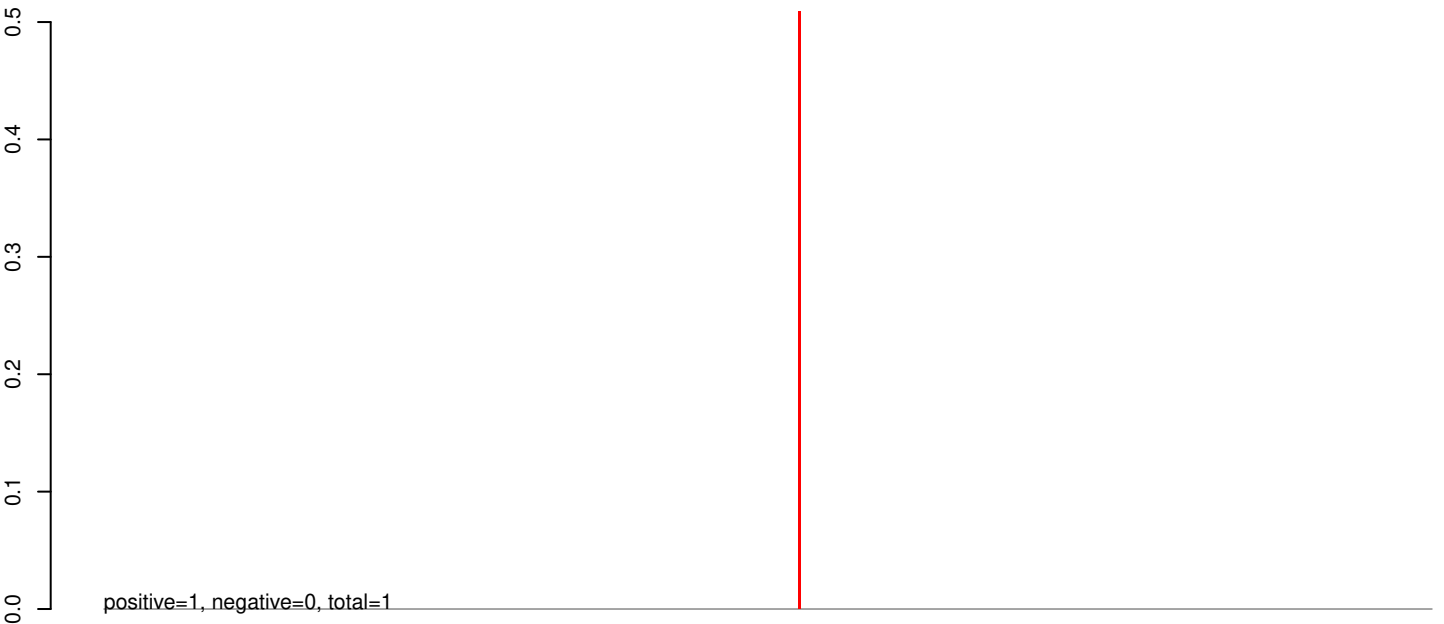


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

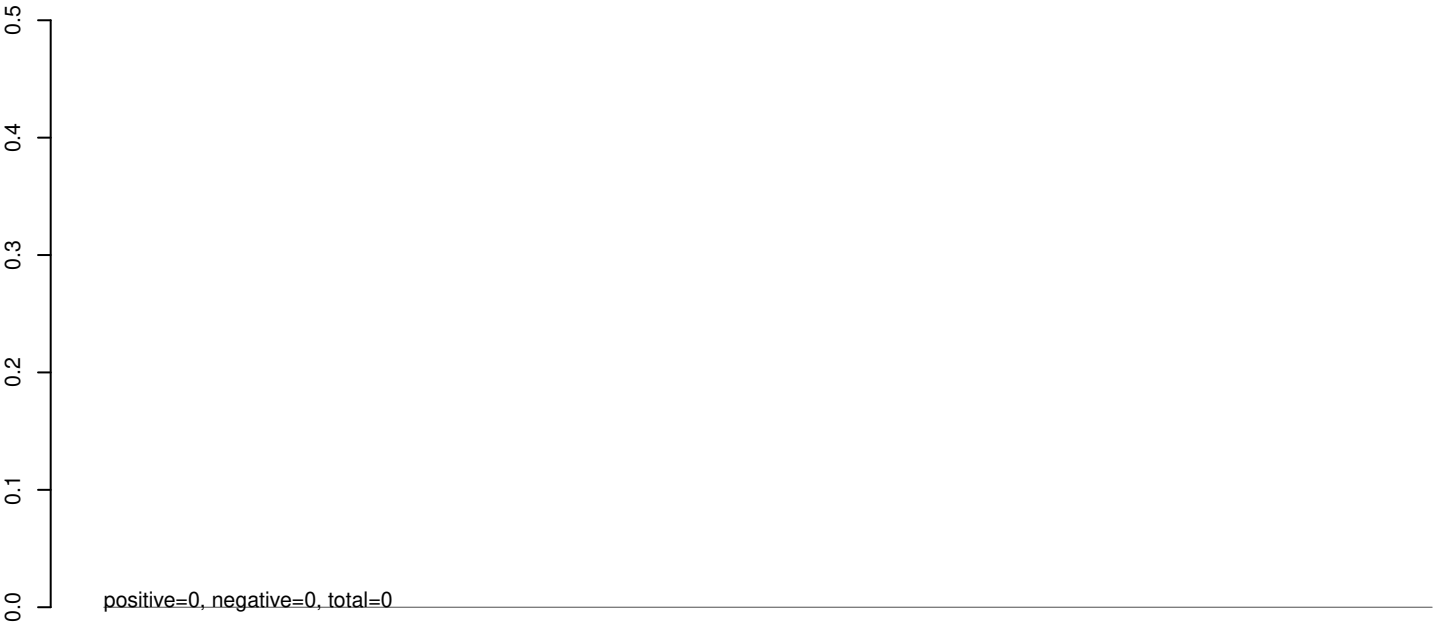


0 2000 4000 6000 8000 10000

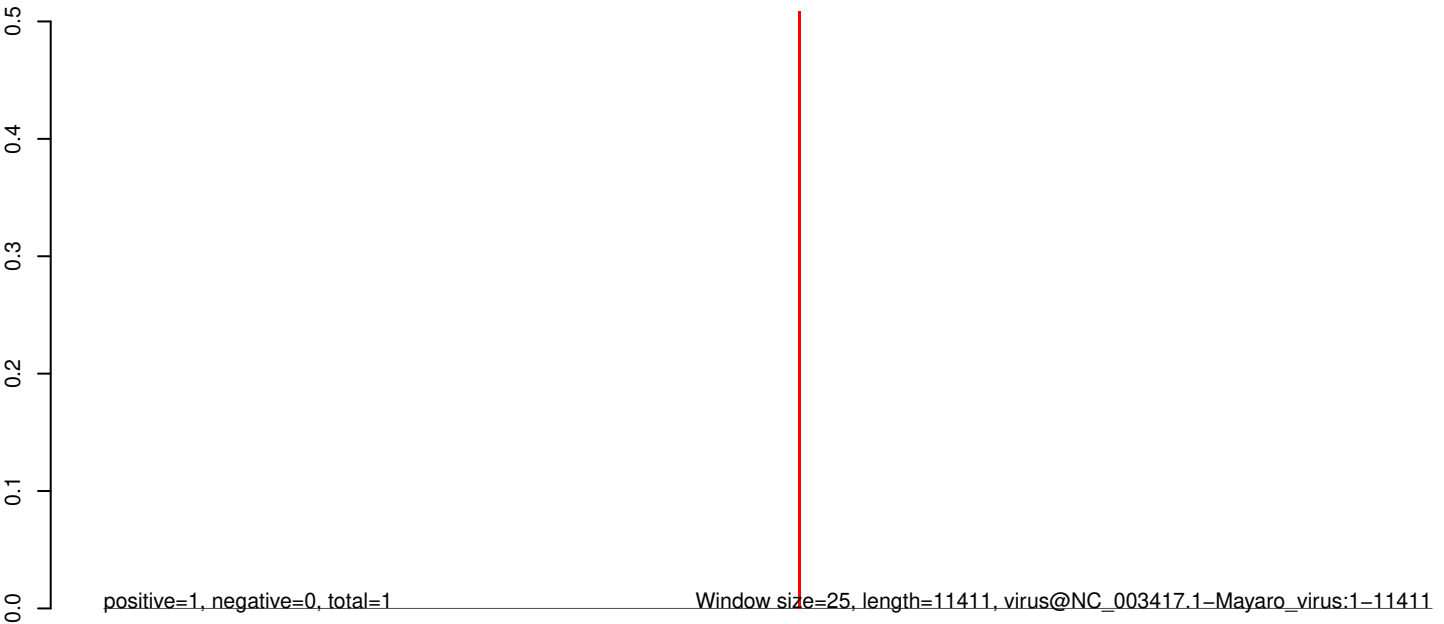
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

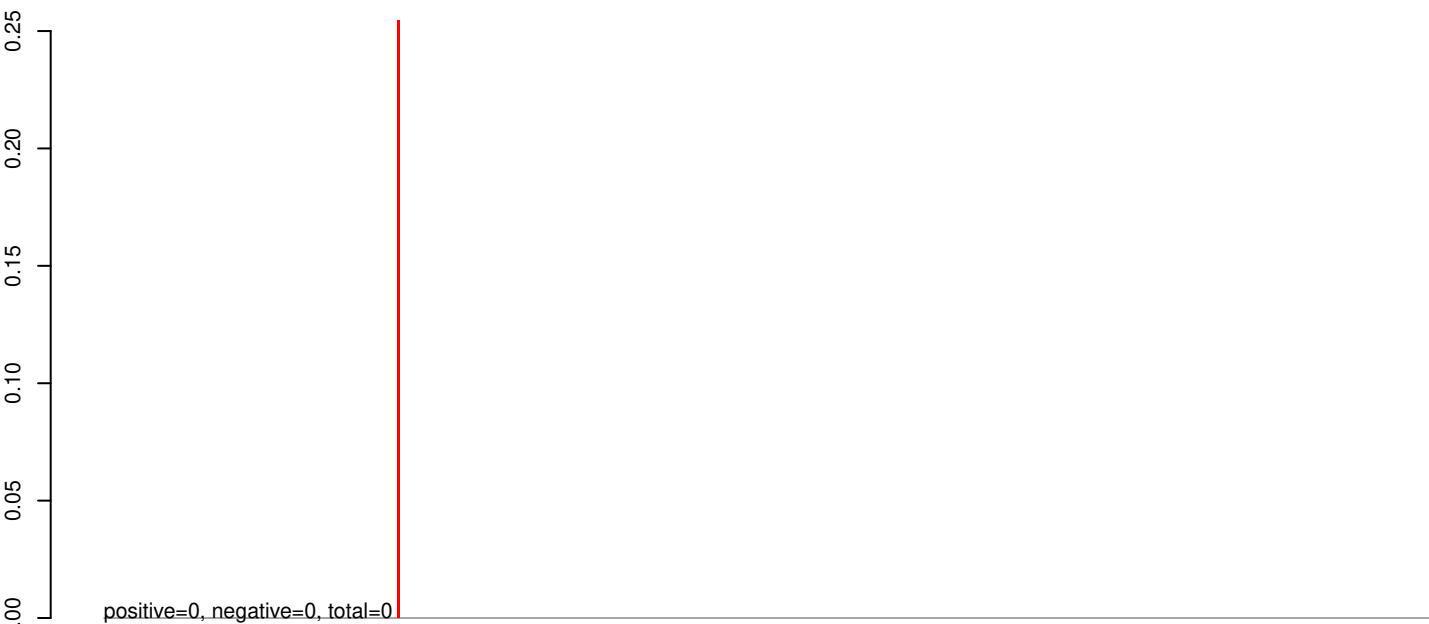


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

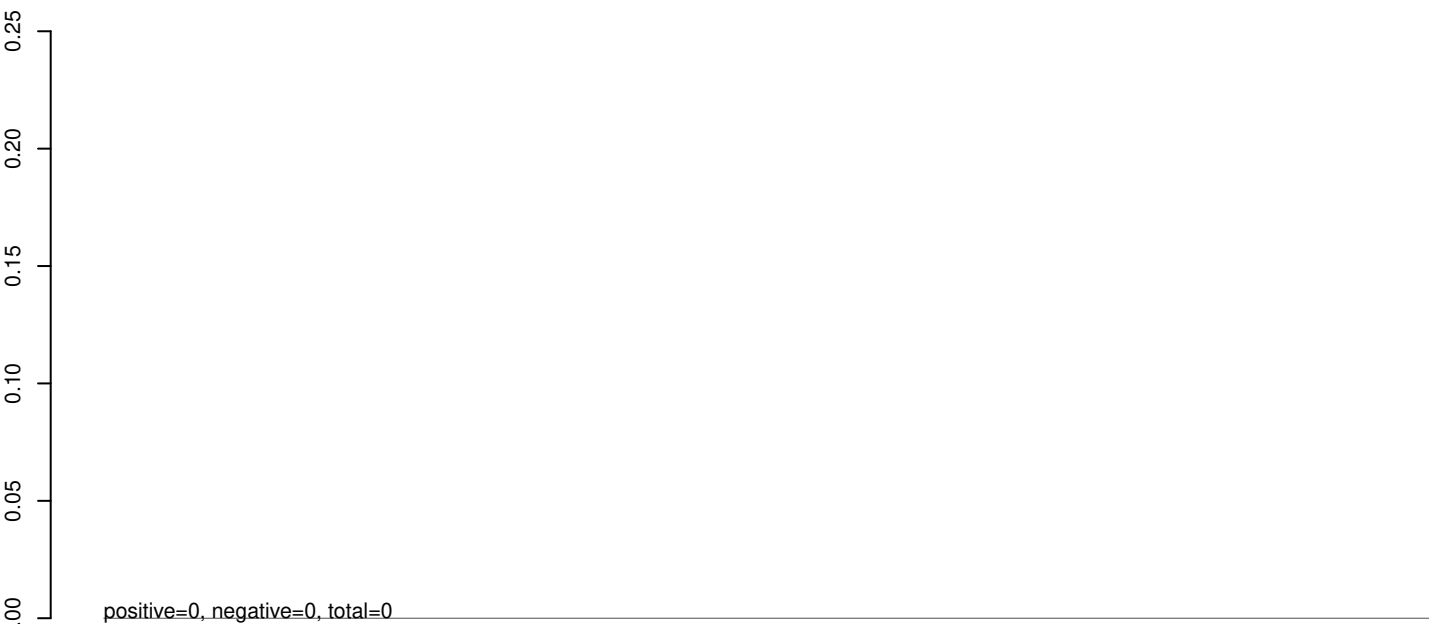


0 2000 4000 6000 8000 10000

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

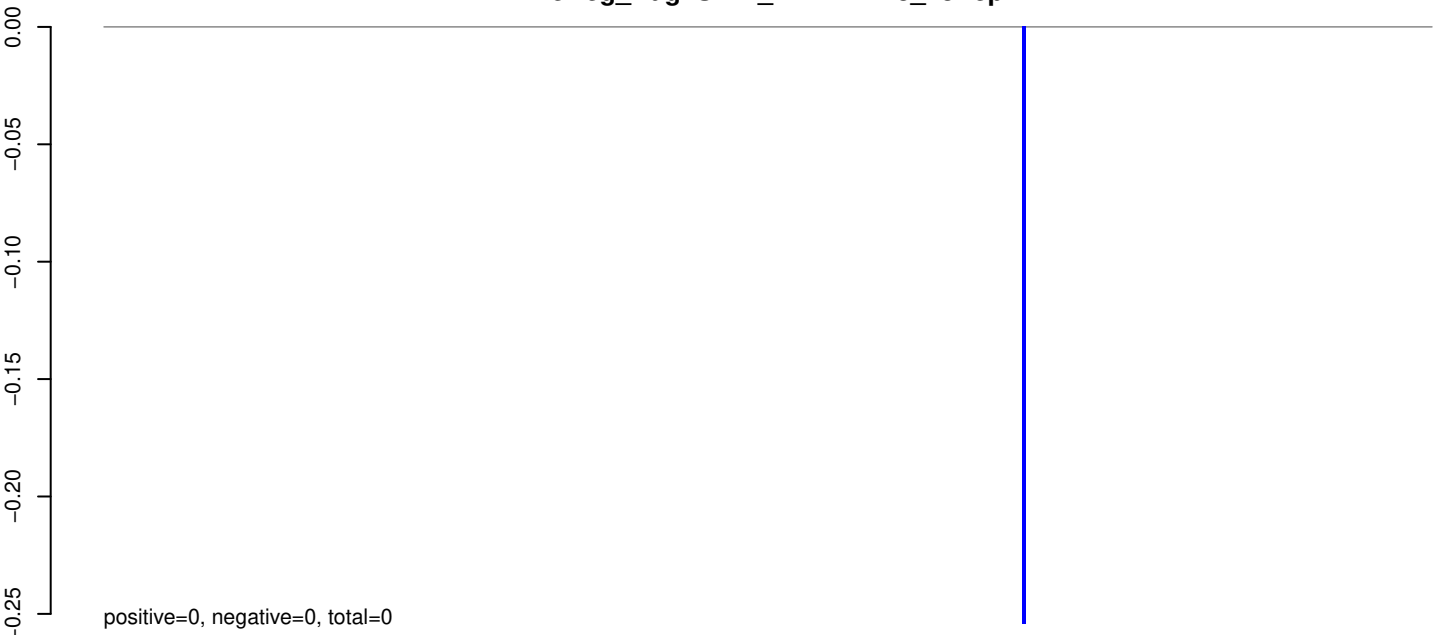


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

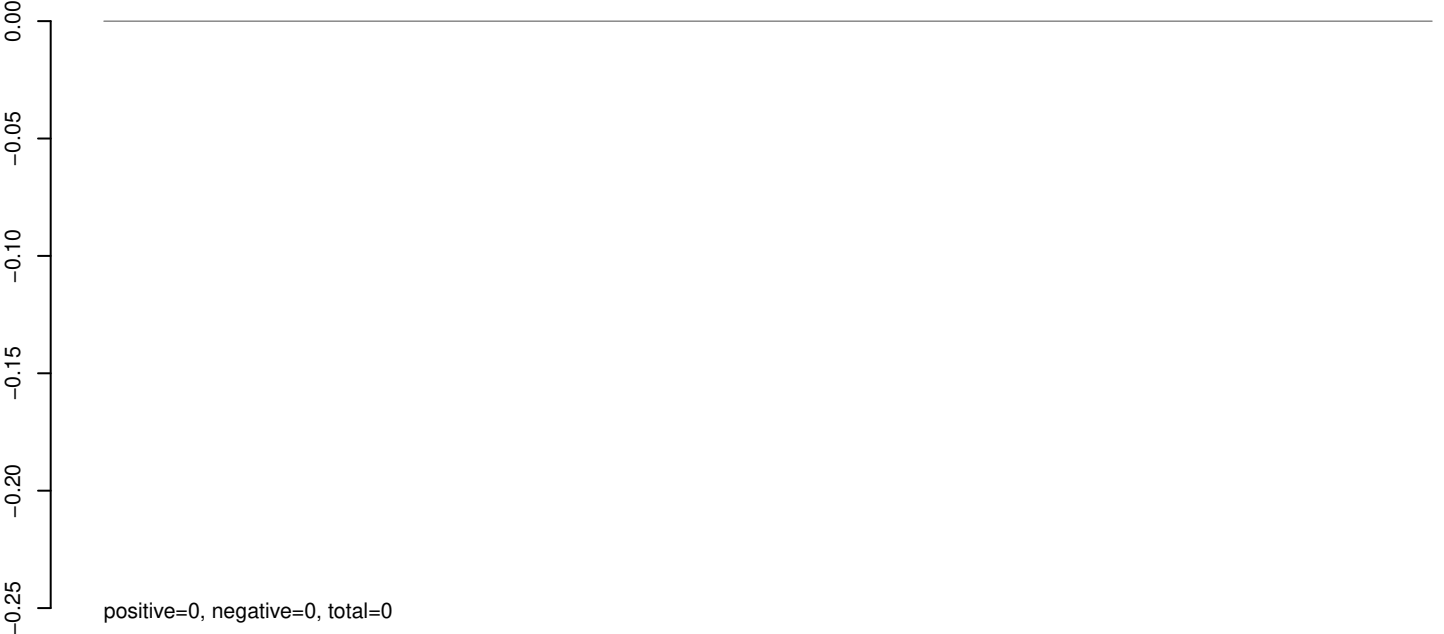


0 2000 4000 6000 8000 10000

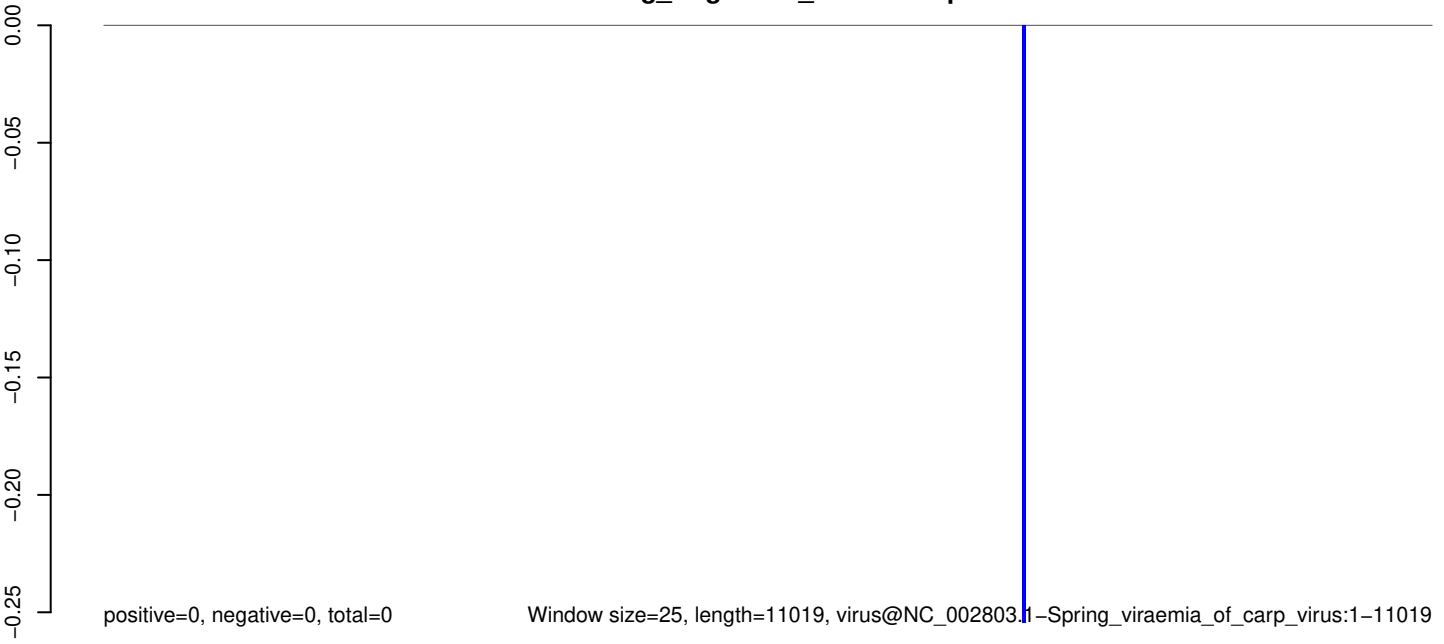
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



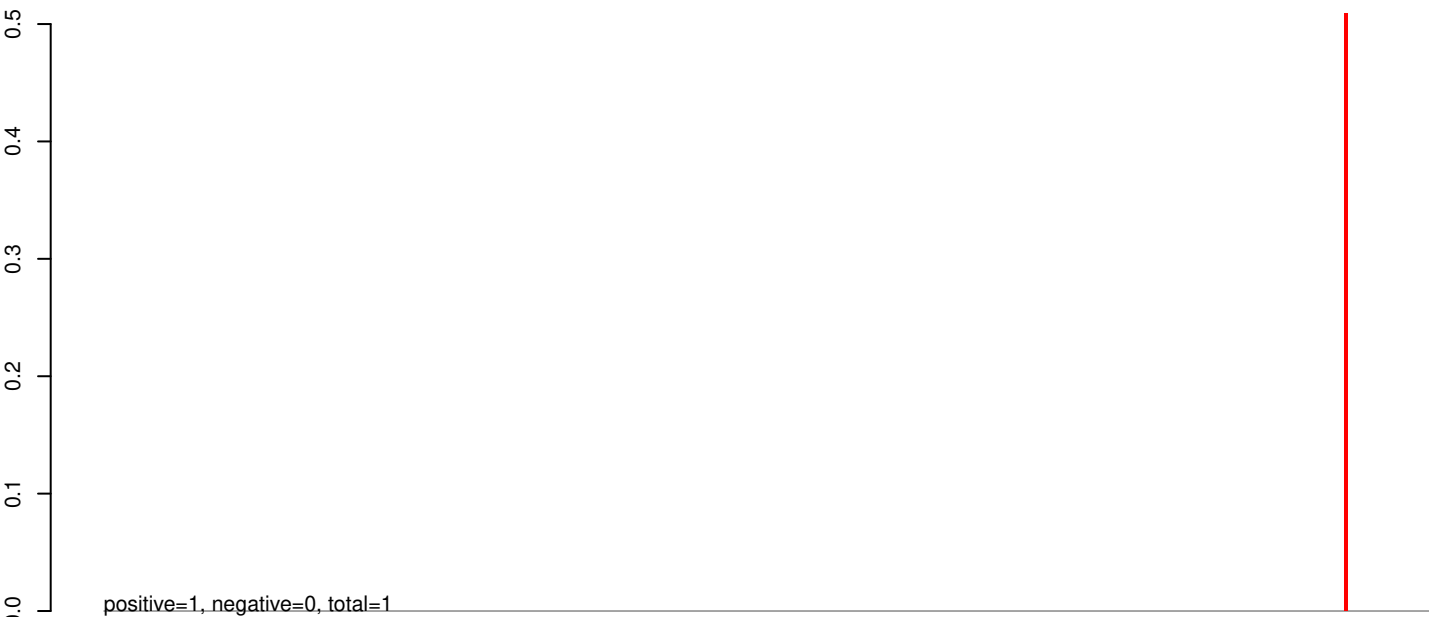
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



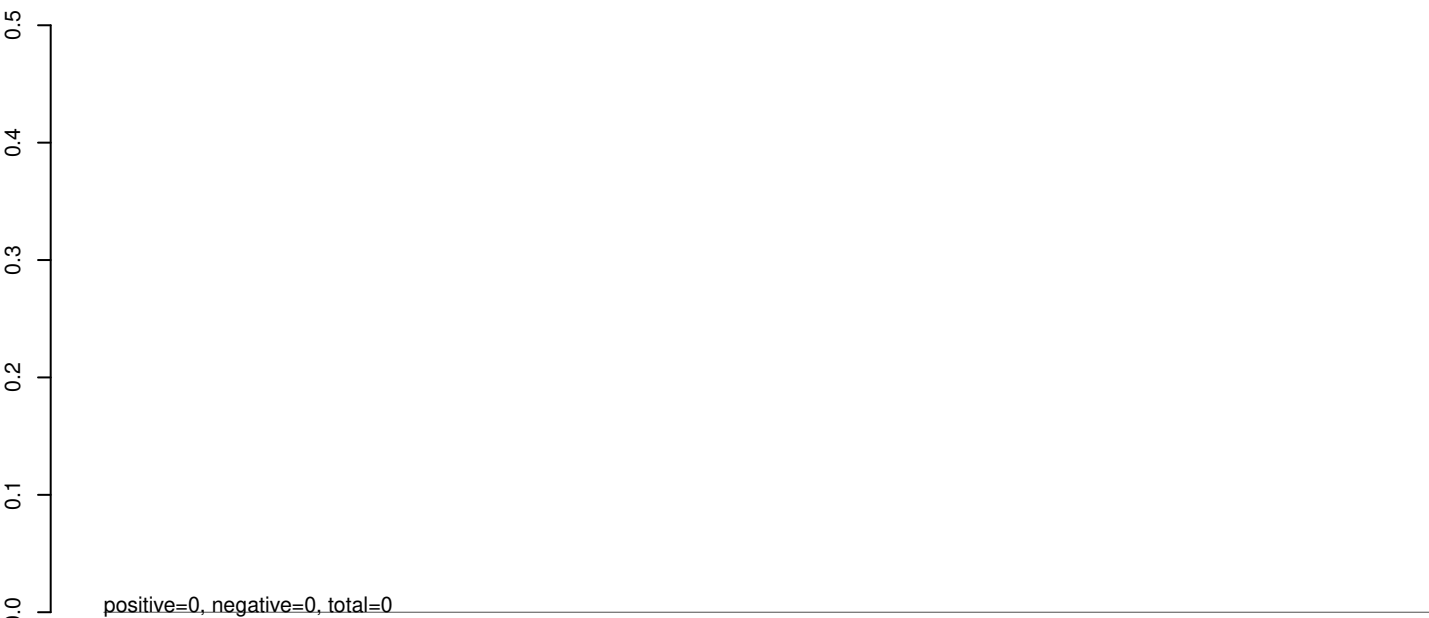
Window size=25, length=11019, virus@NC\_002803.1-Spring\_viraemia\_of\_carp\_virus:1-11019

0 2000 4000 6000 8000 10000

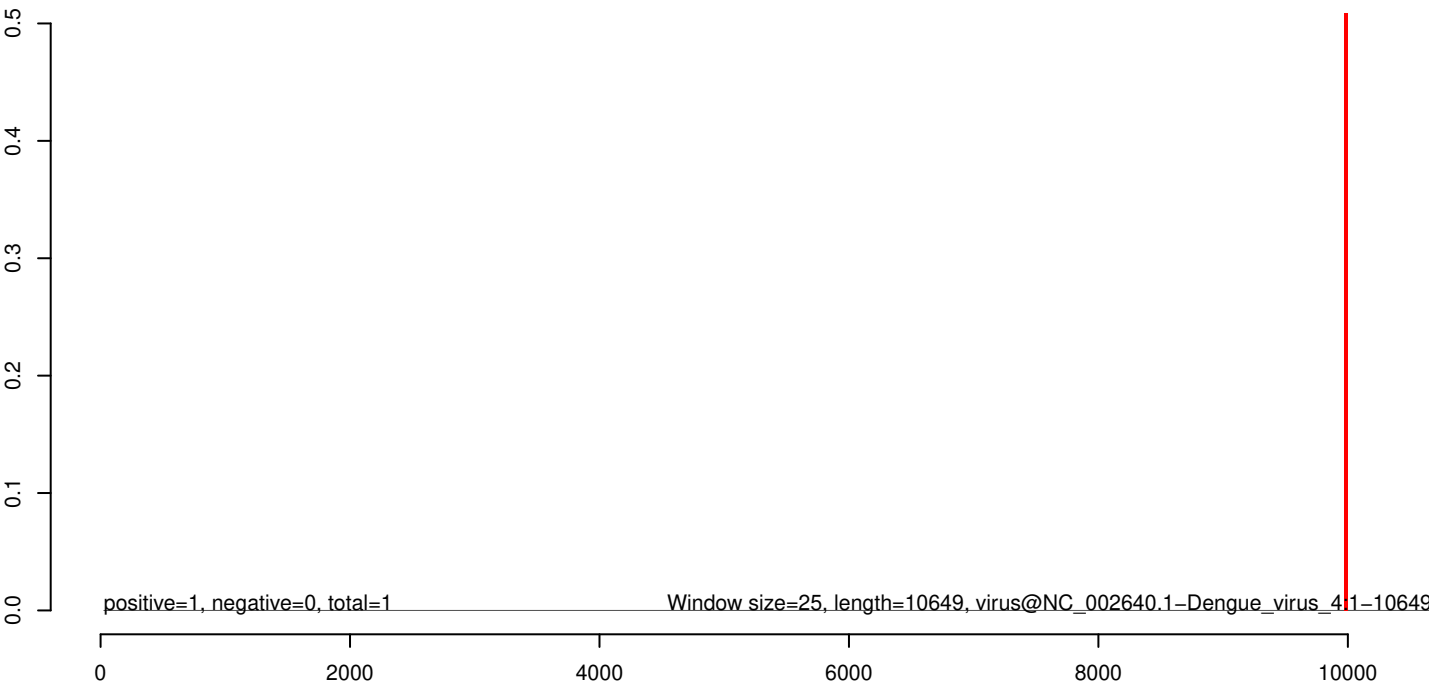
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



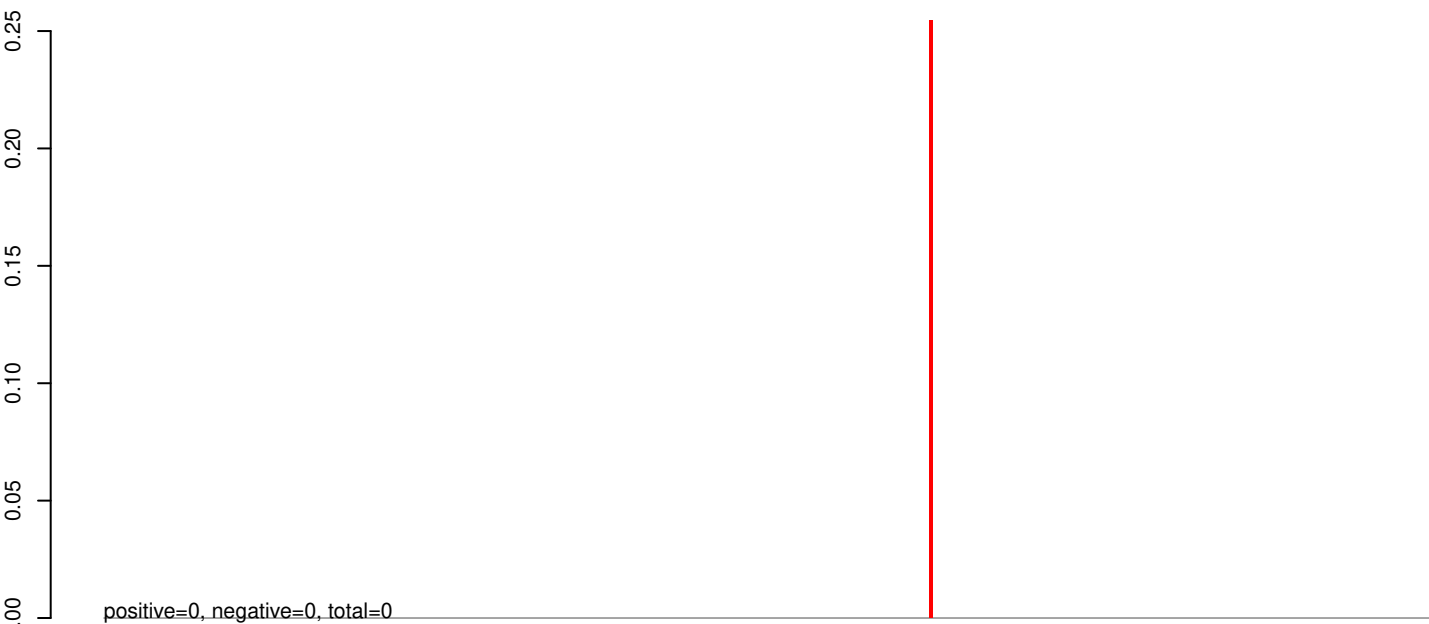
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



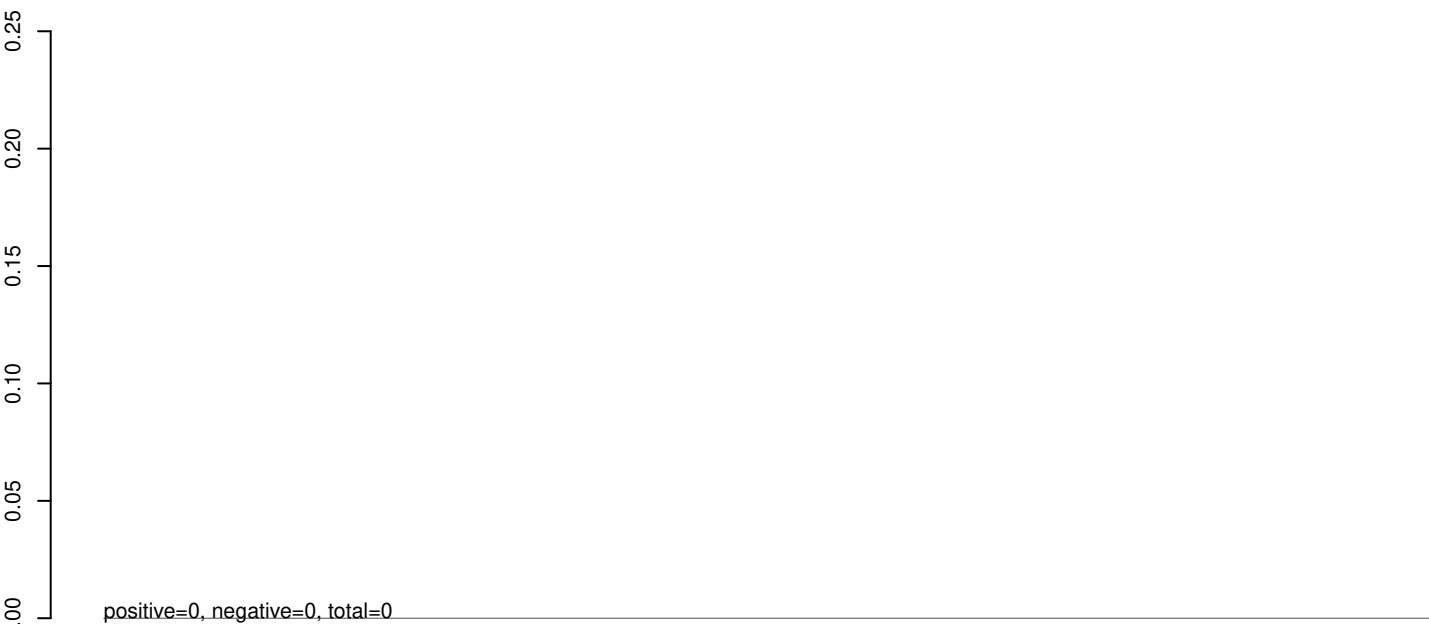
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



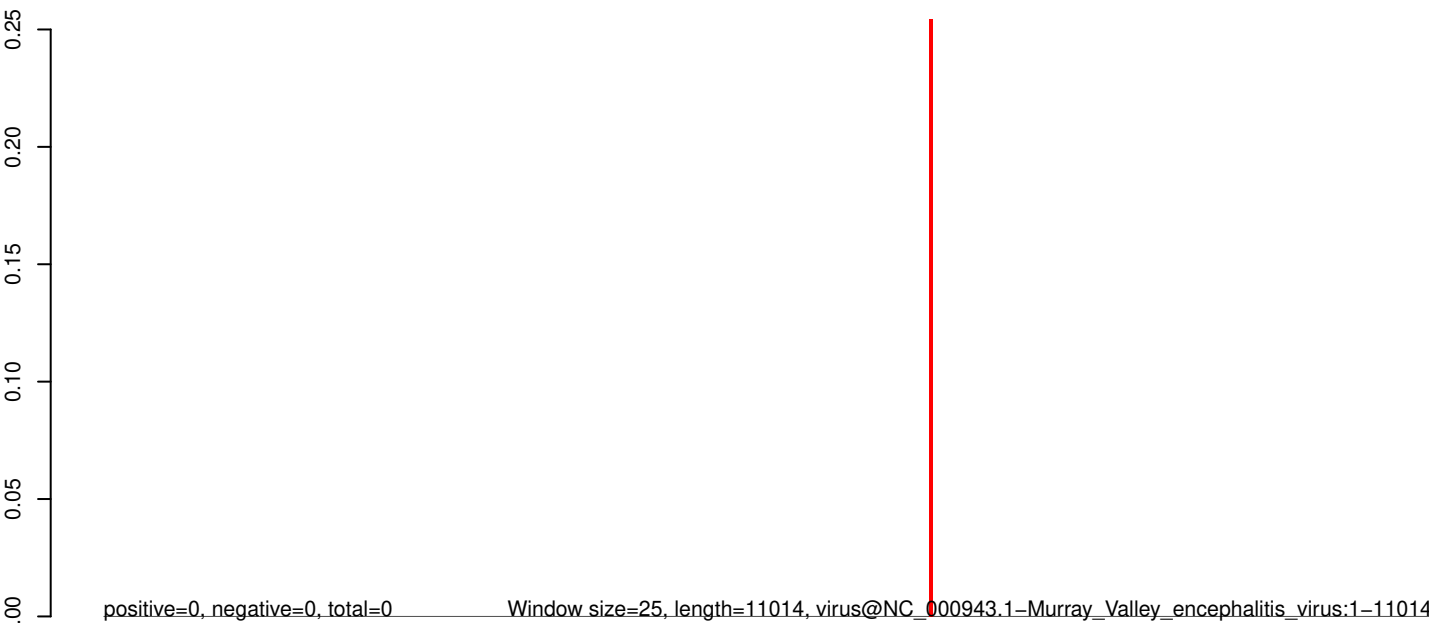
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



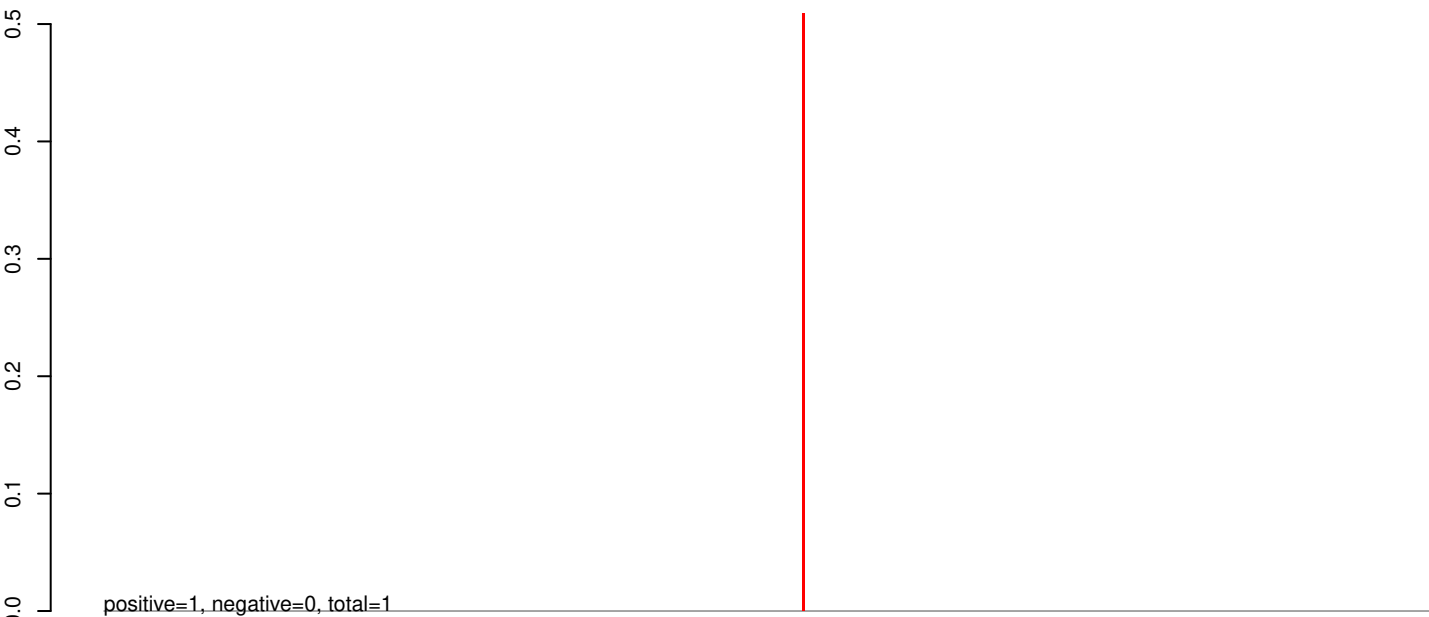
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



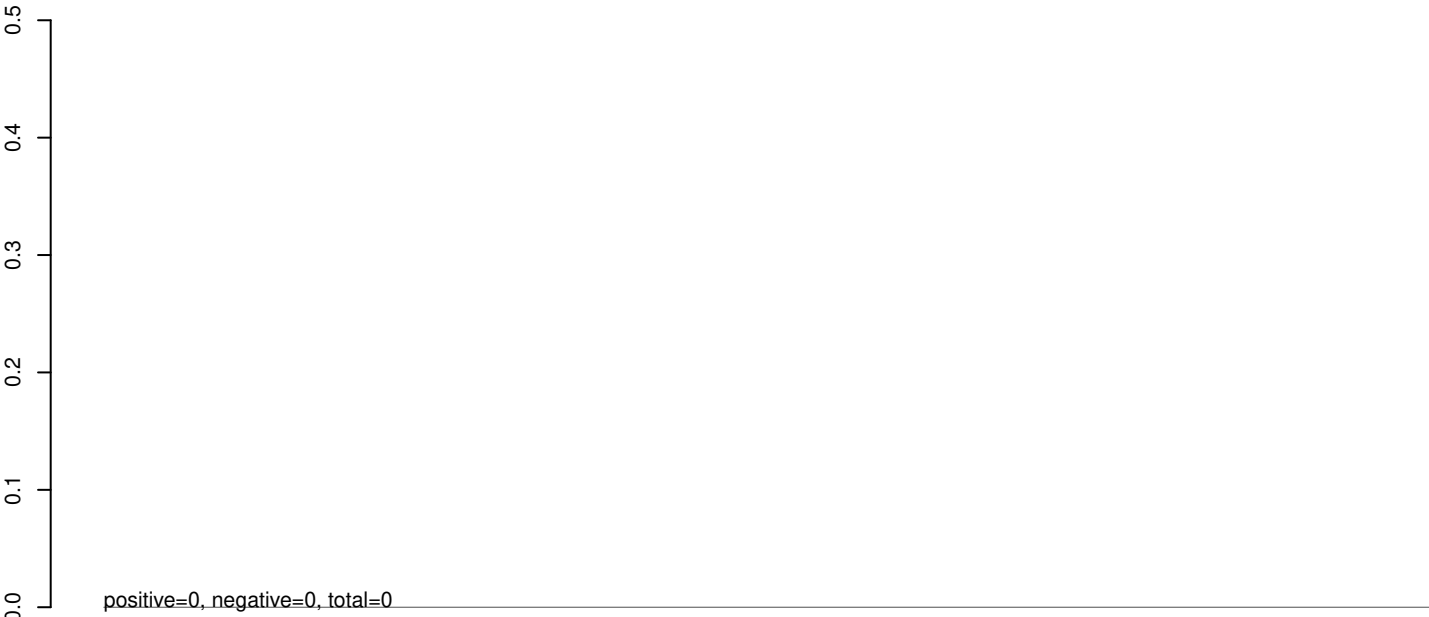
0 2000 4000 6000 8000 10000



**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



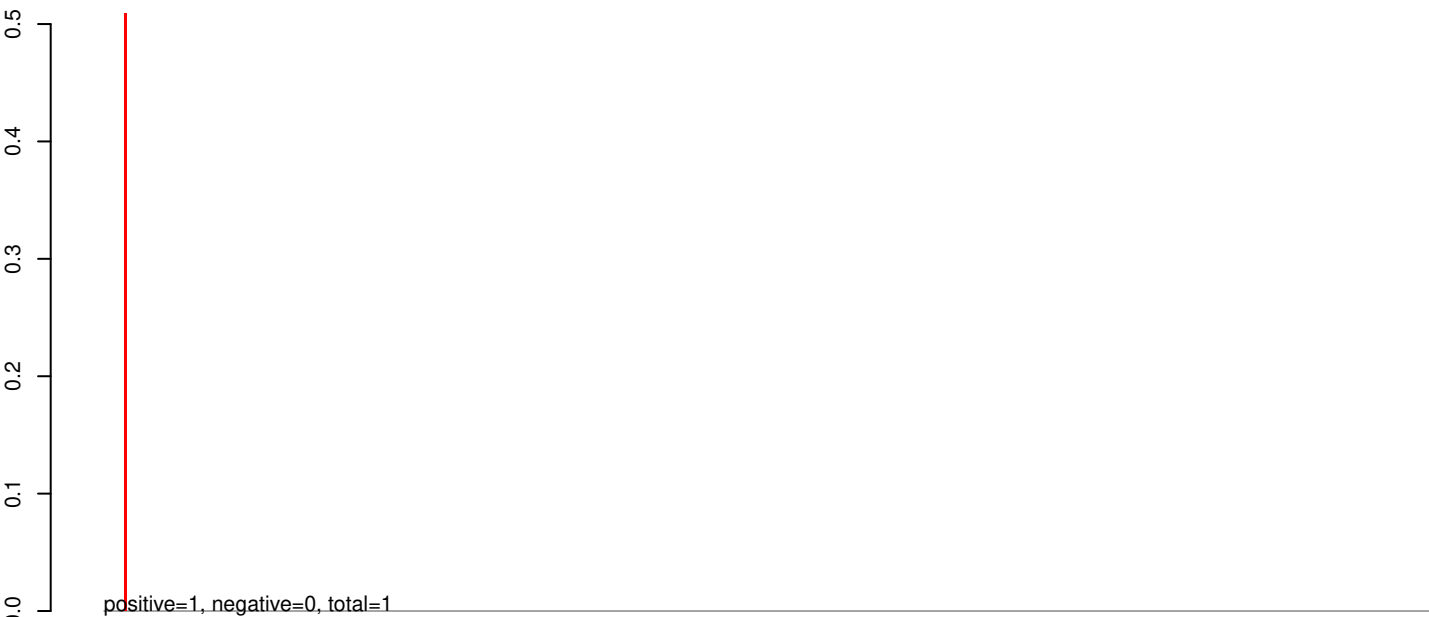
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



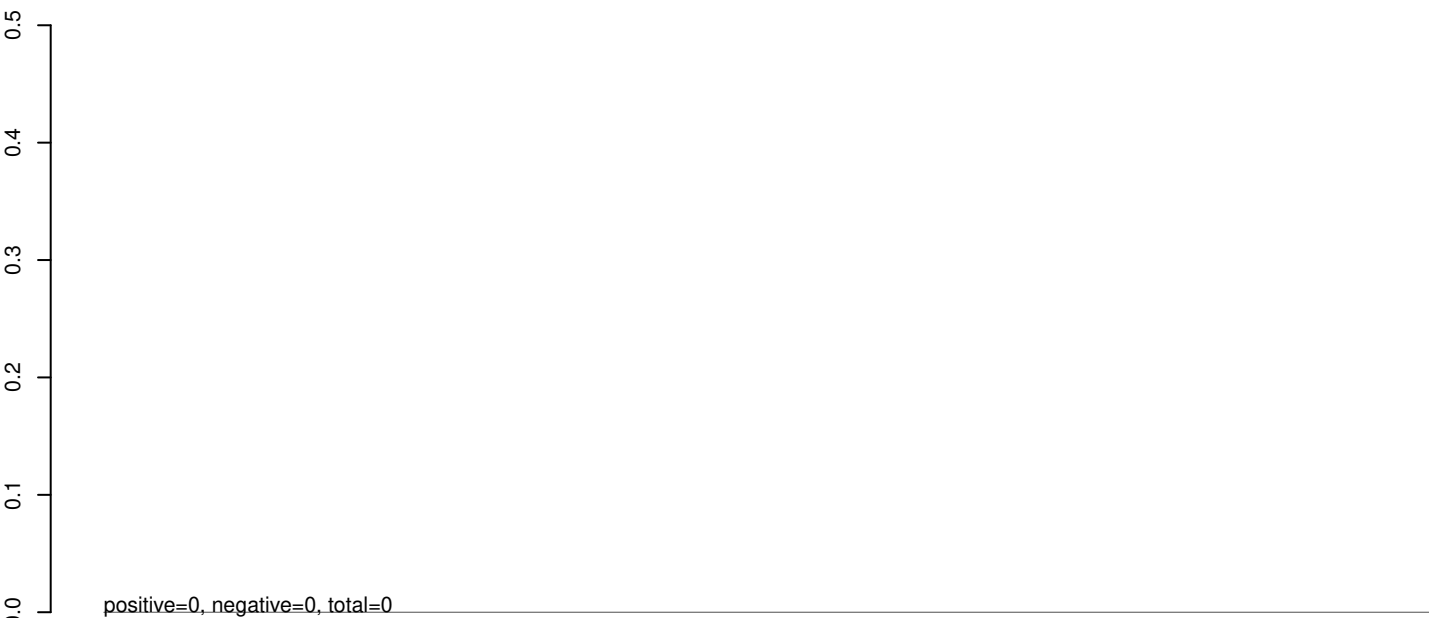
Window size=25, length=11835, virus@M20303.1-O-Nyong-nyong\_virus\_Gulu\_strain\_complete\_genome:1-11835

0 2000 4000 6000 8000 10000 12000

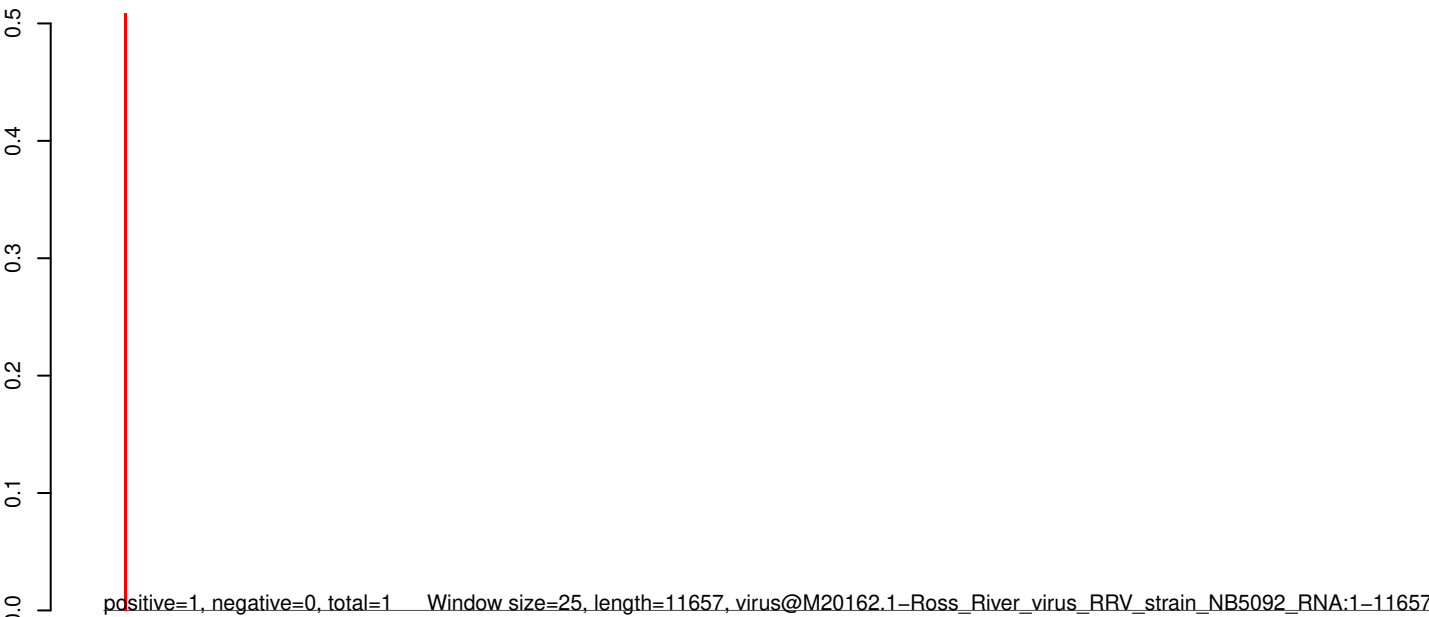
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

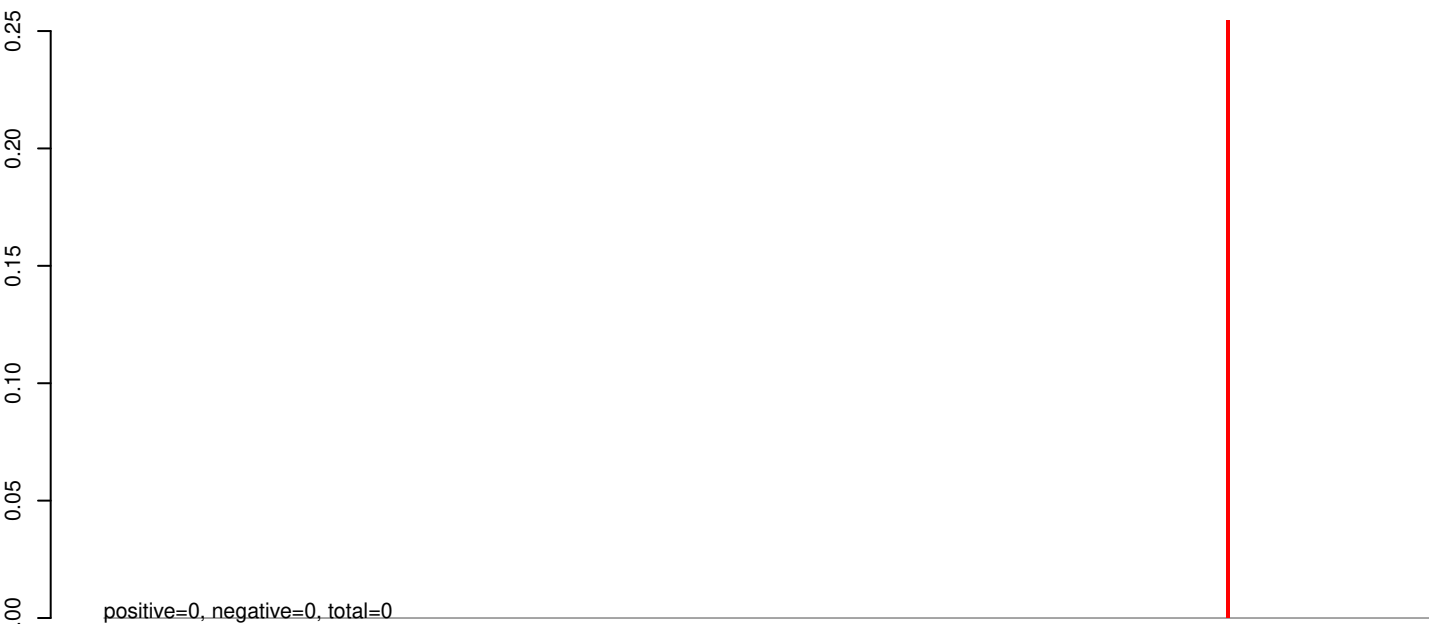


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

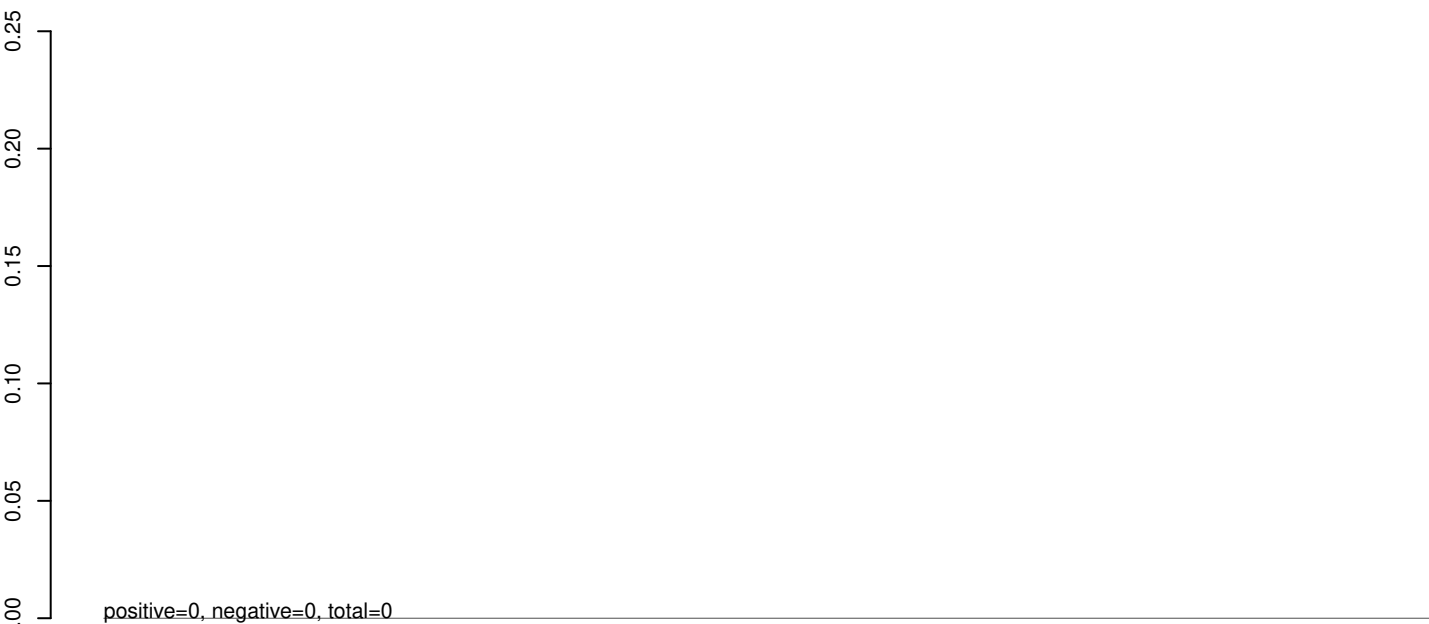


0 2000 4000 6000 8000 10000 12000

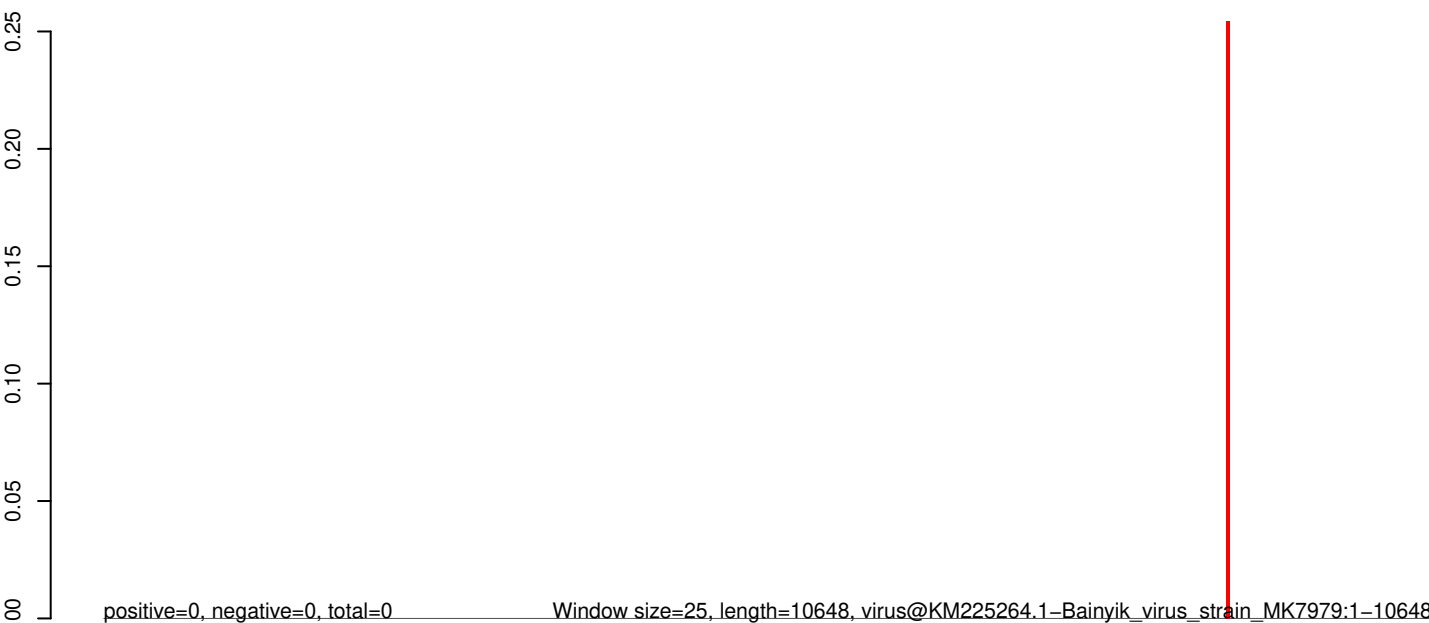
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

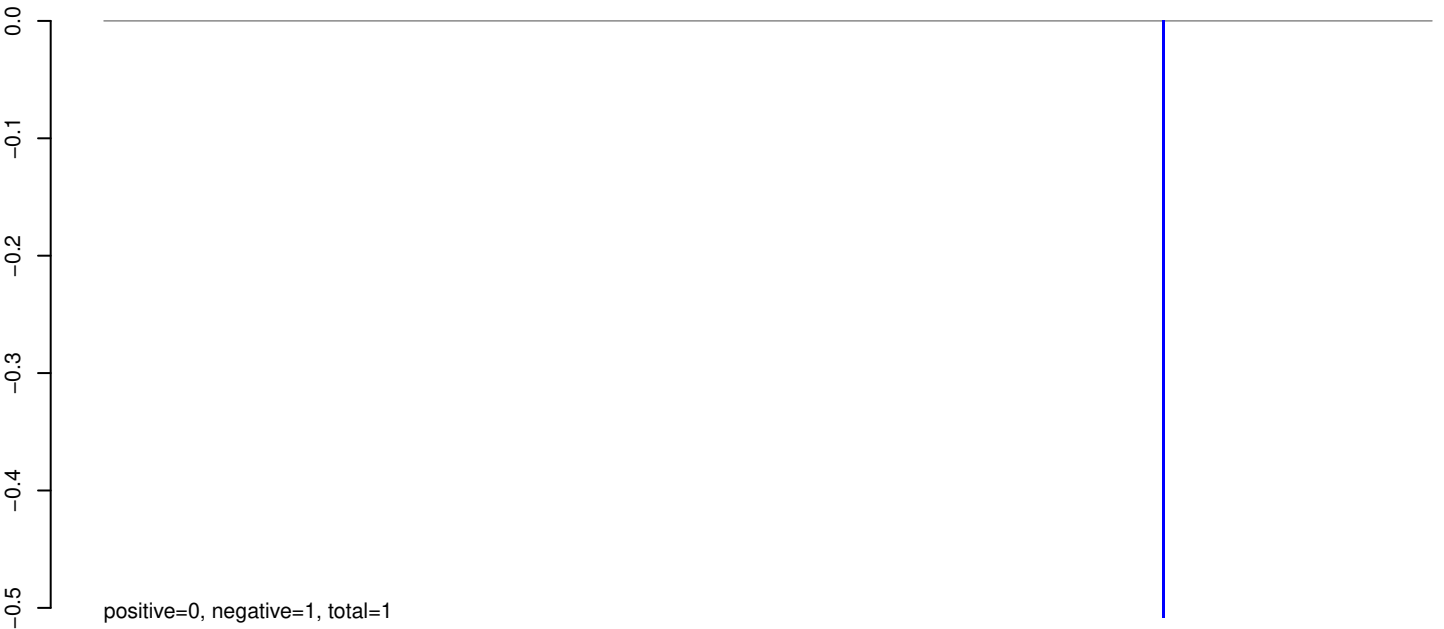


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

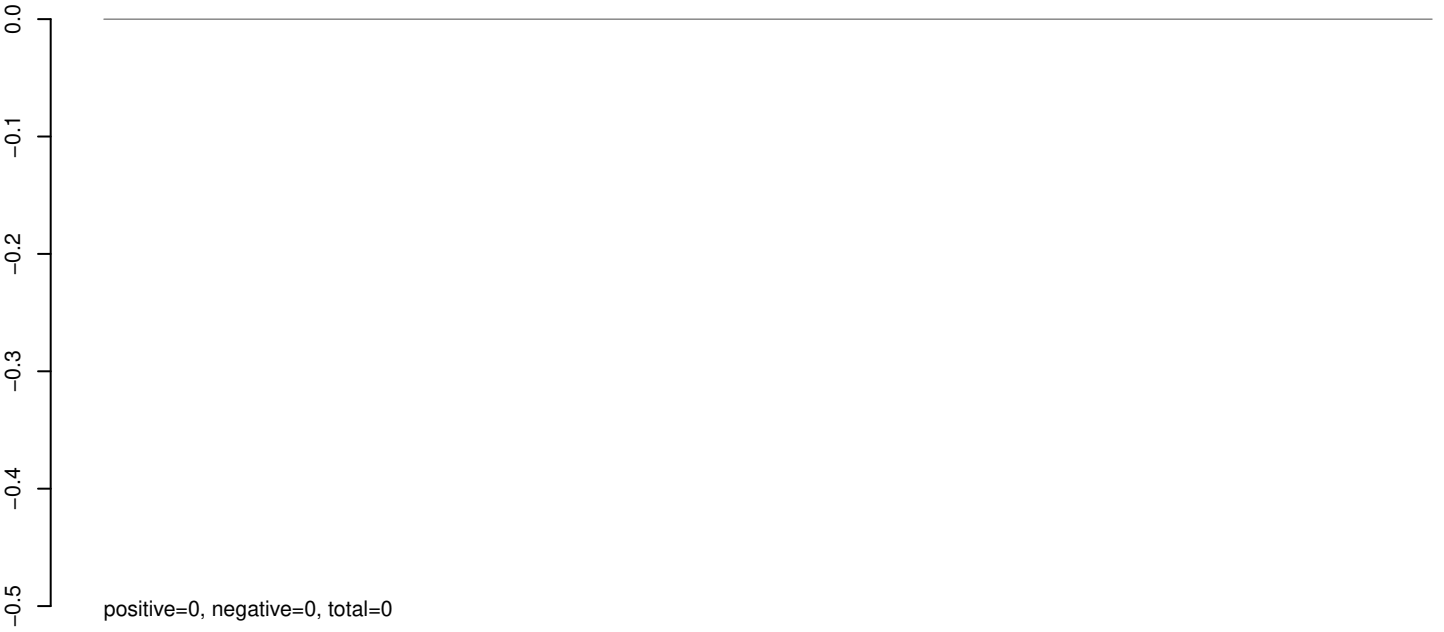


0 2000 4000 6000 8000 10000

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



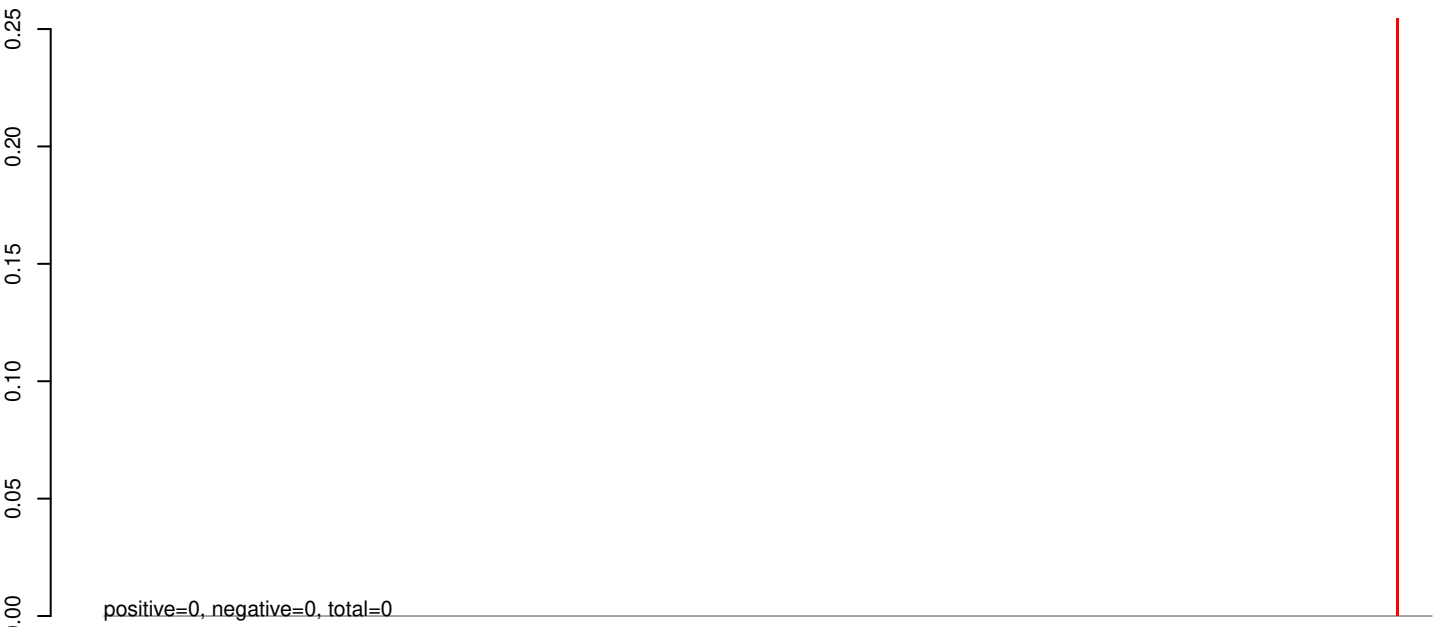
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



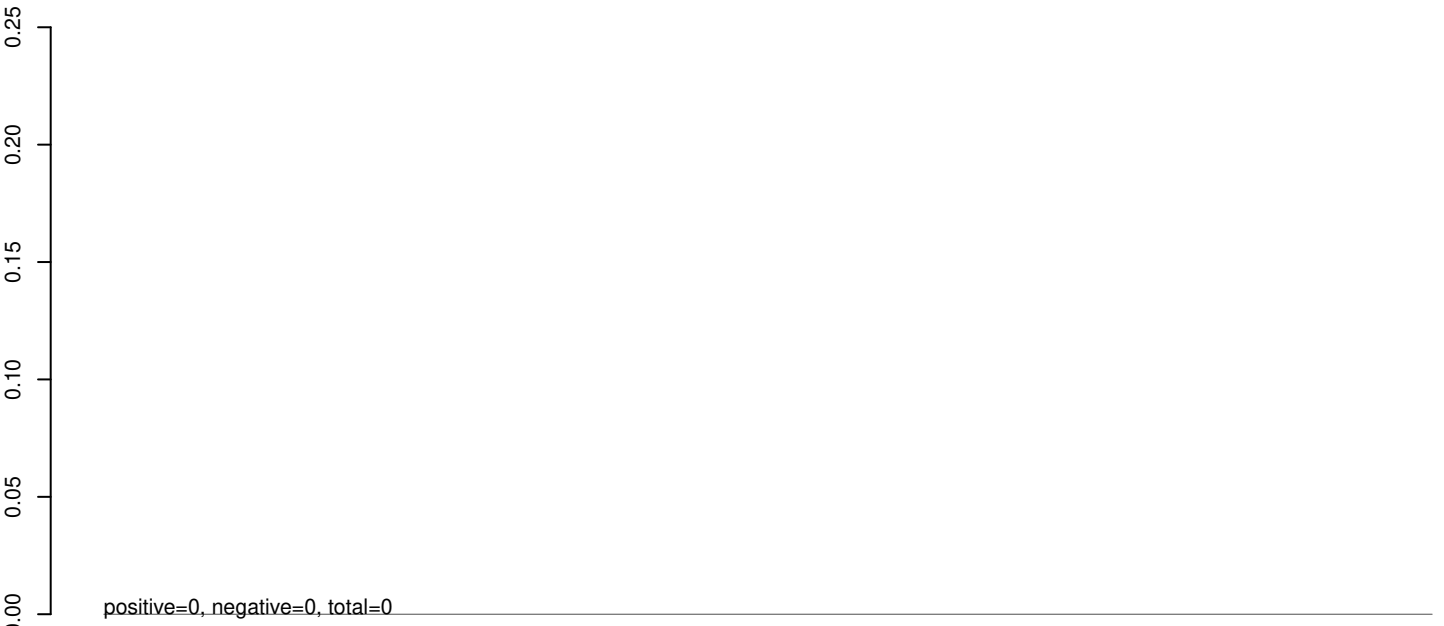
Window size=25, range=1,2297, Virus@KC608151.1-Ilesha\_virus\_strain\_ILESHA\_8e\_segment\_S\_plus\_segment\_M\_plus\_segment\_L:1-12297

0 2000 4000 6000 8000 10000 12000

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



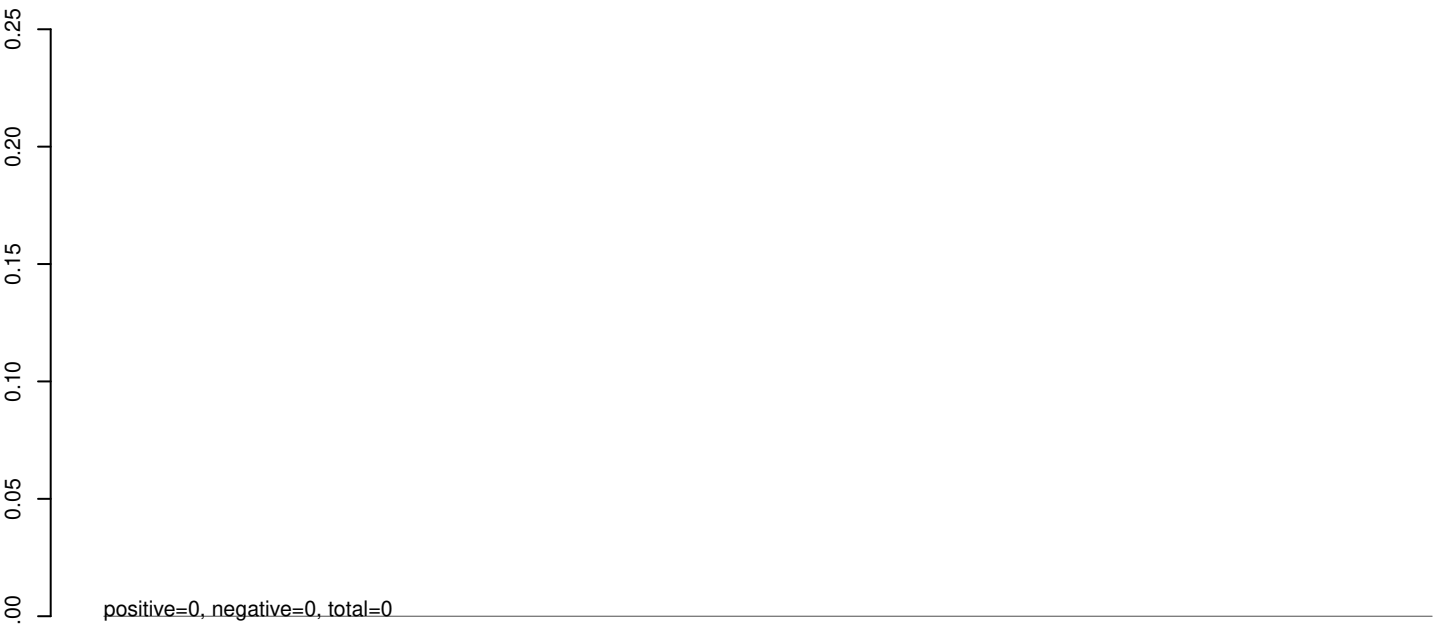
Window size=25, length=11079, virus@KC181923.1-Aedes\_flavivirus\_strain\_AEFV-SPFLD-MO-2011-MP6:1-11079

0 2000 4000 6000 8000 10000

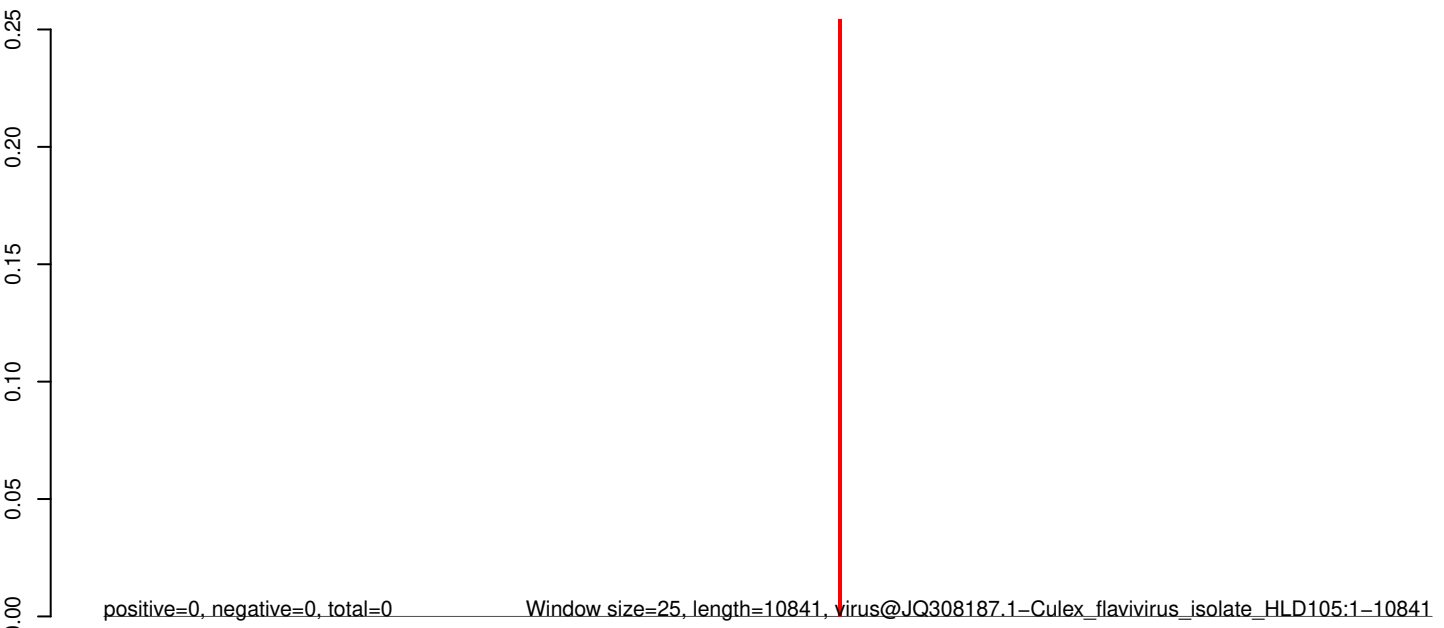
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

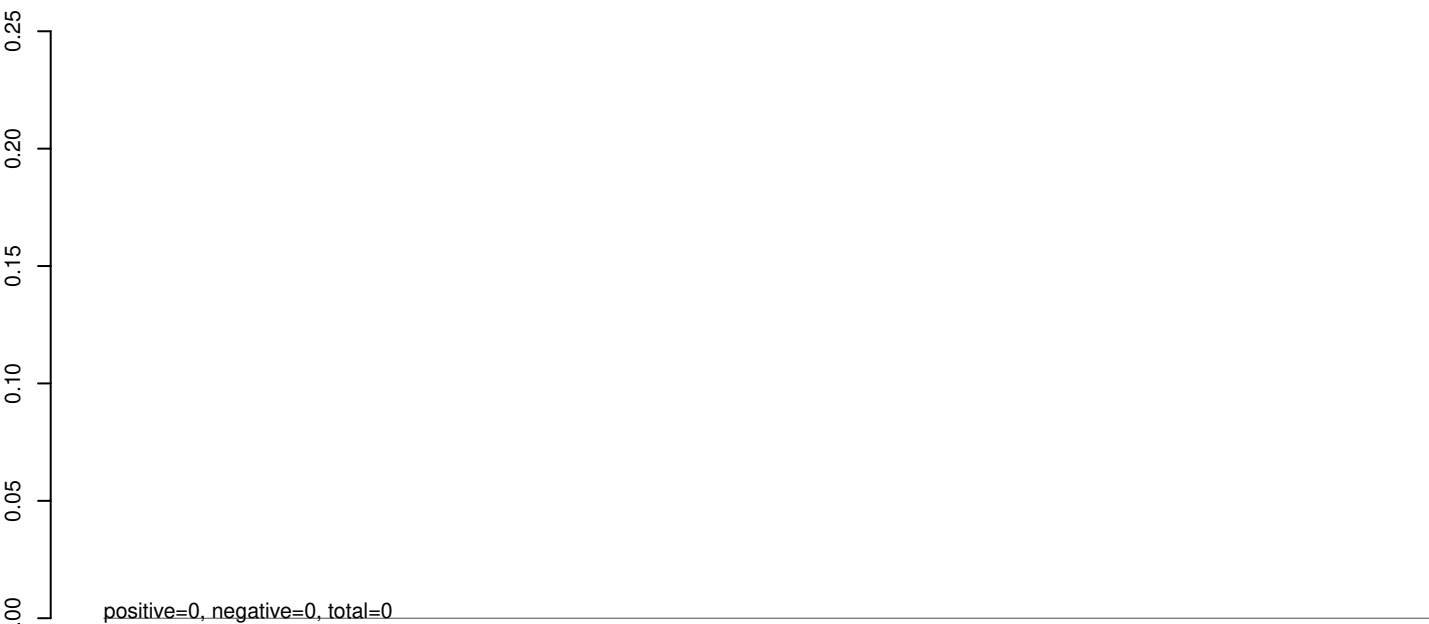


0 2000 4000 6000 8000 10000

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

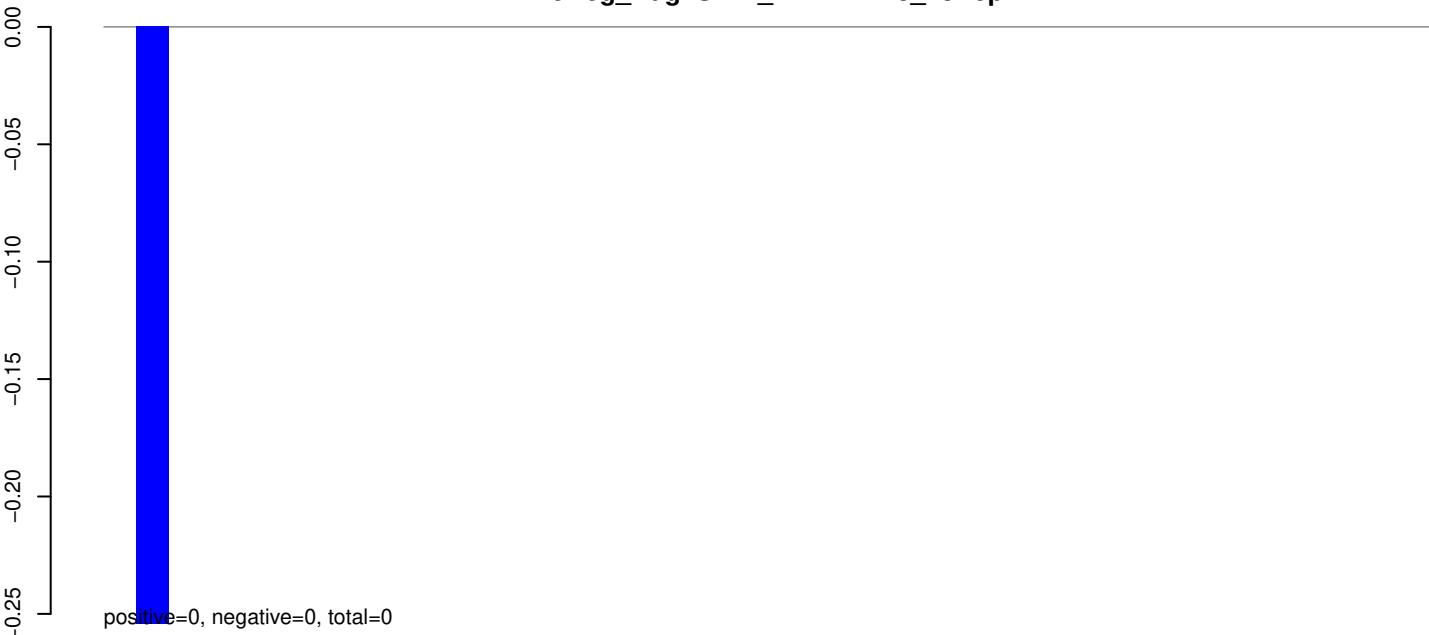


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

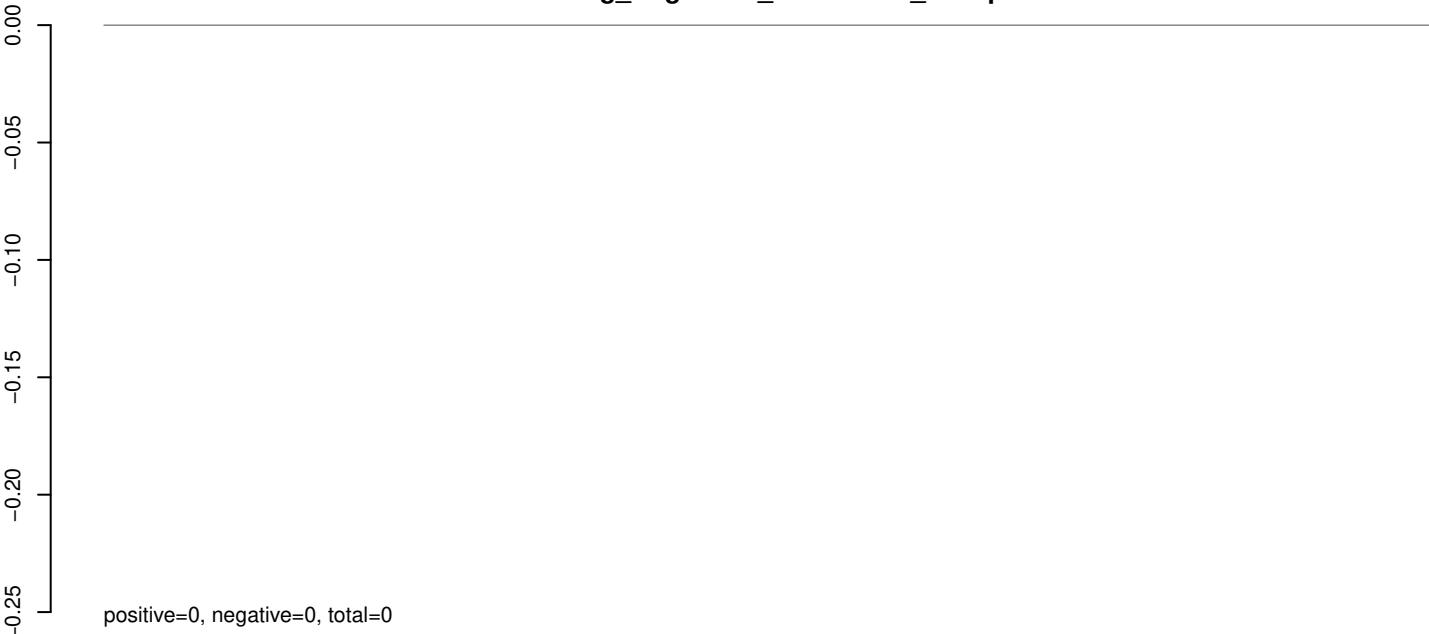


0 2000 4000 6000 8000 10000

**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

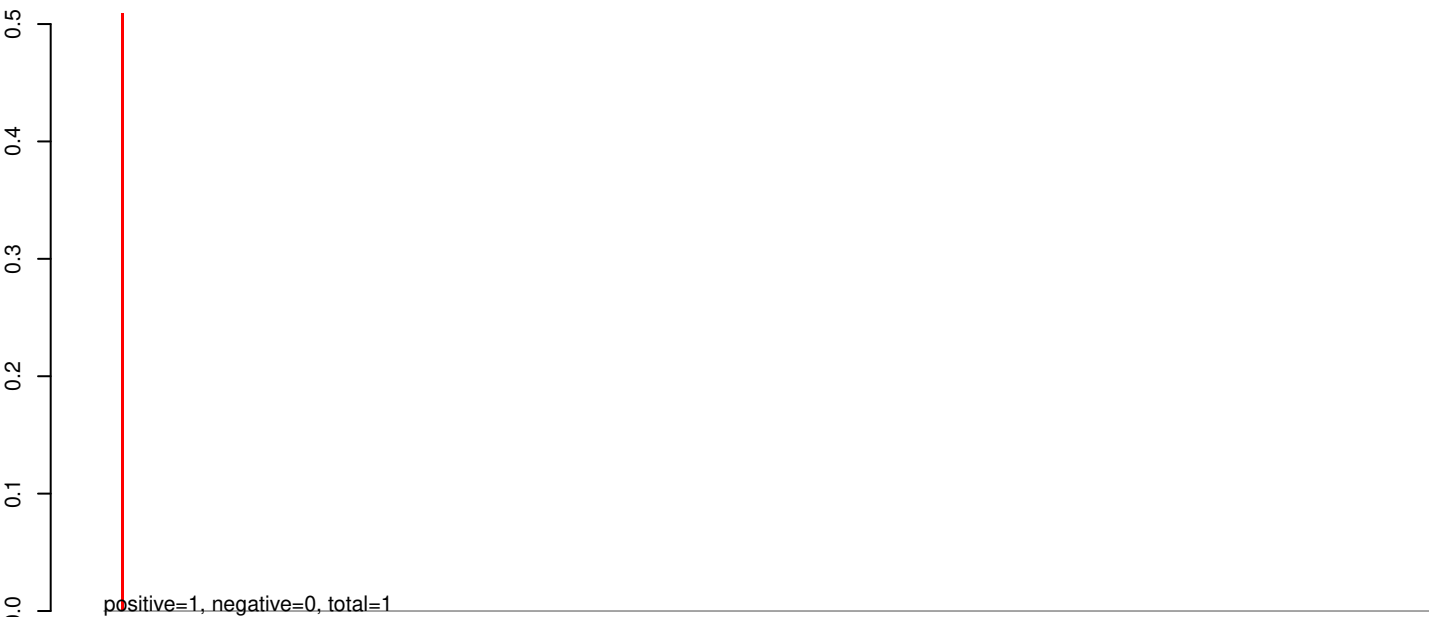


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

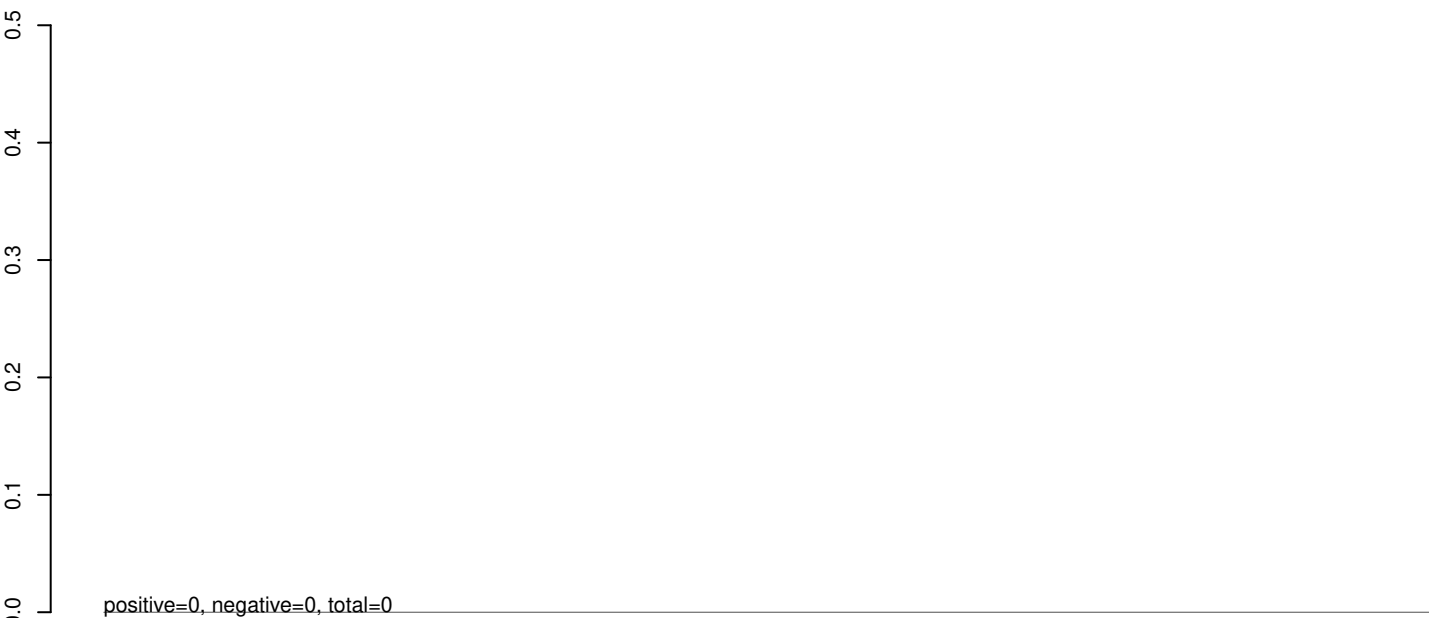




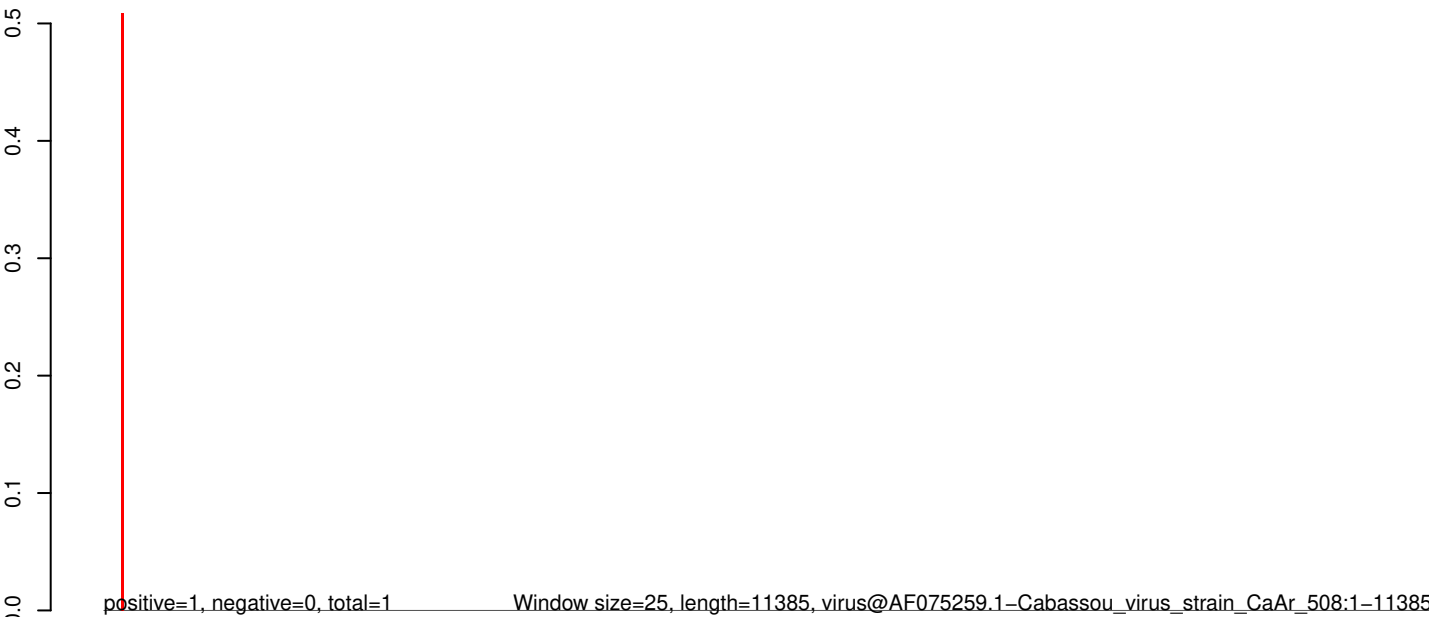
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**

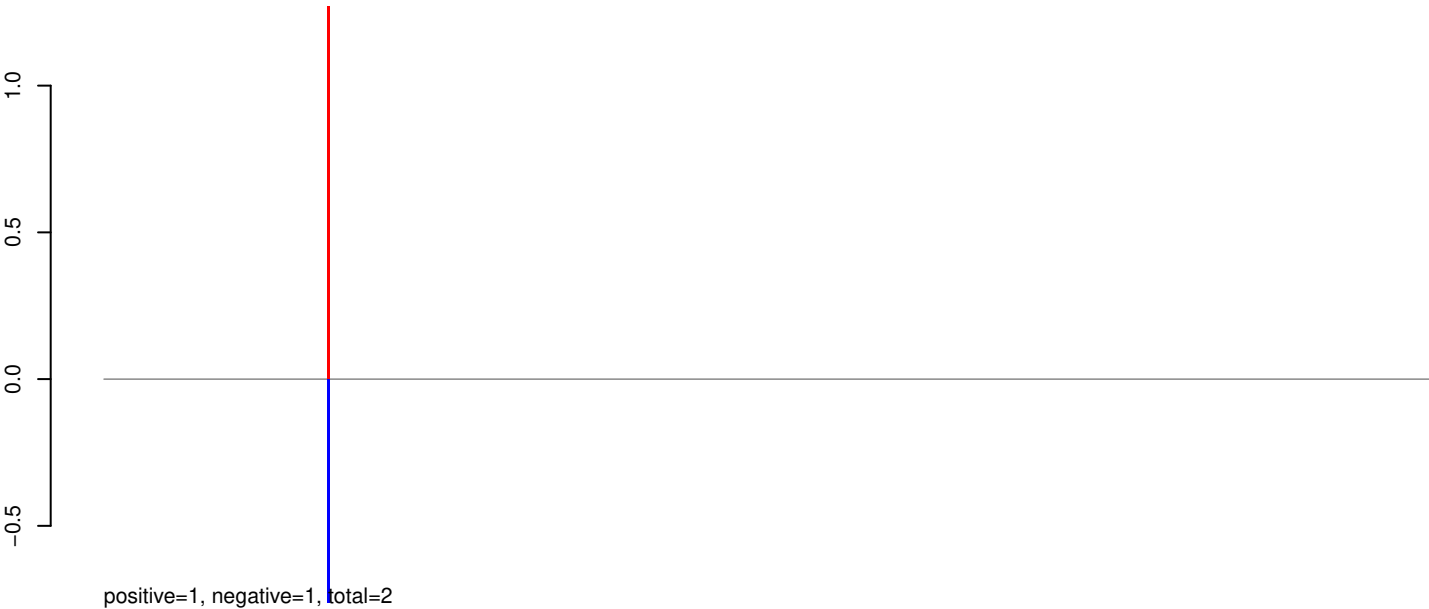


**AeAeg\_Aag2SINV\_Piwi4.IP.rep**

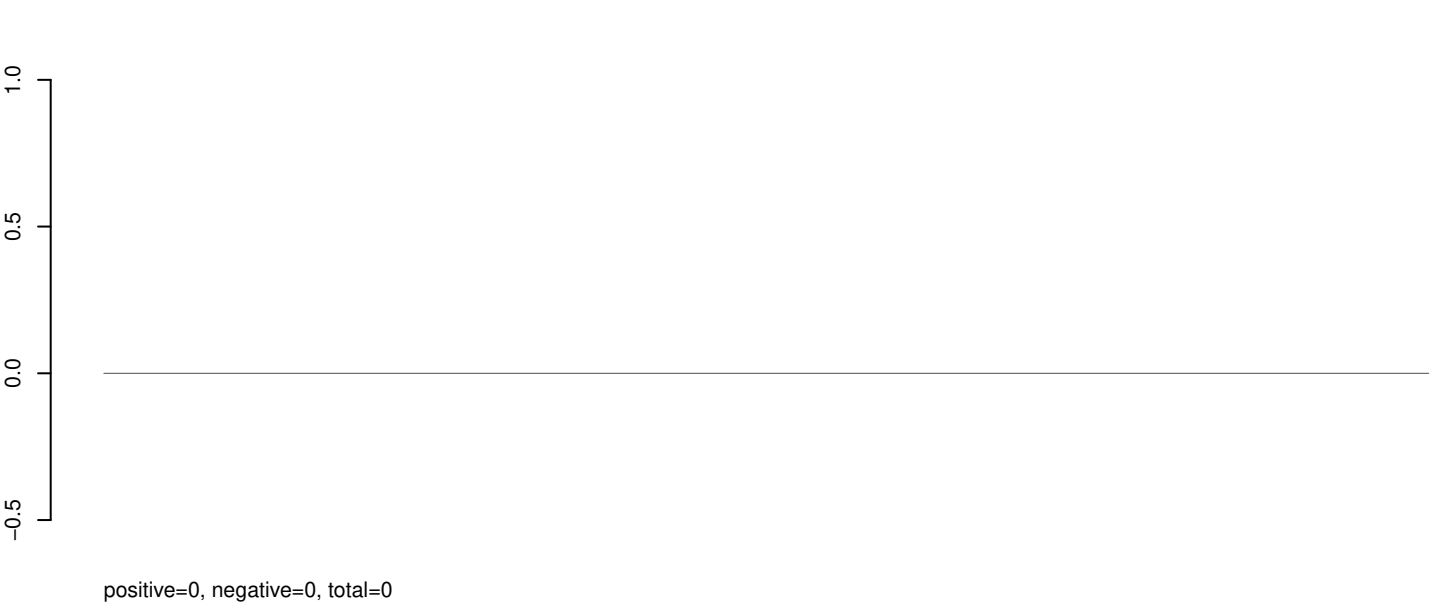


Window size=25, length=11385, virus@AF075259.1-Cabassou\_virus\_strain\_CaAr\_508:1-11385

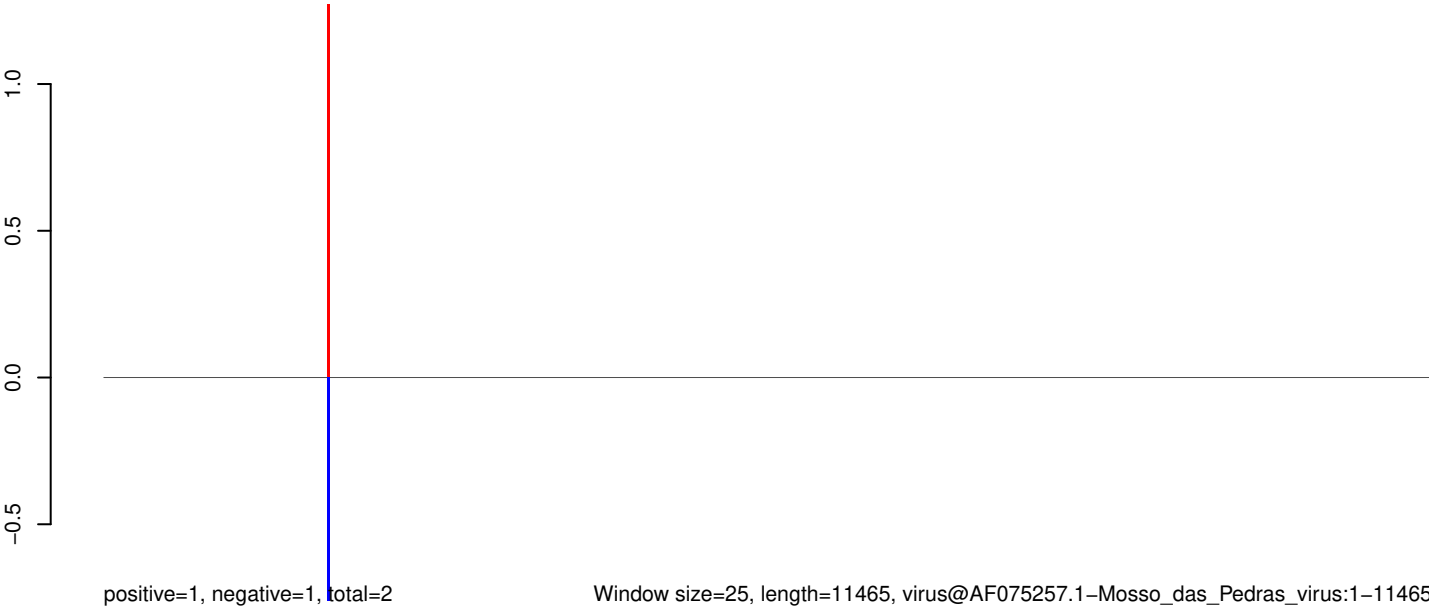
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



Window size=25, length=11465, virus@AF075257.1-Mosso\_das\_Pedras\_virus:1-11465

0 2000 4000 6000 8000 10000

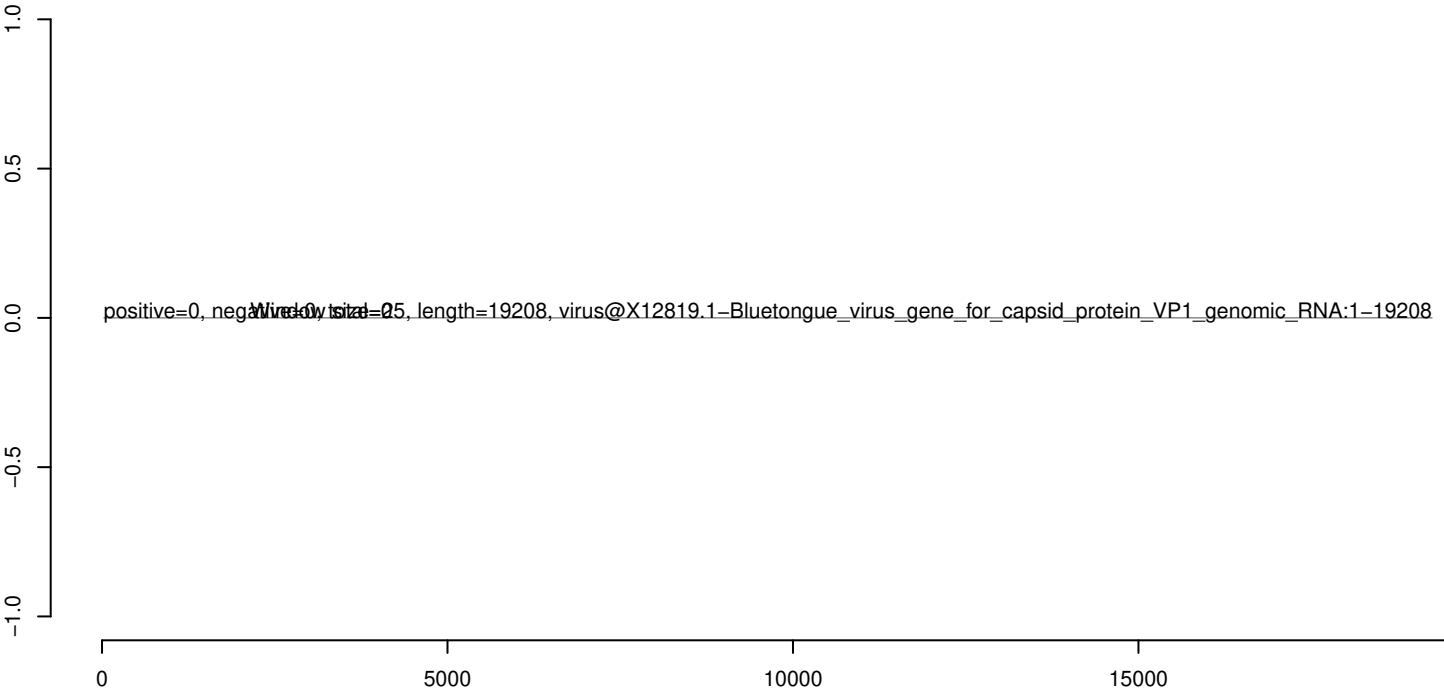
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



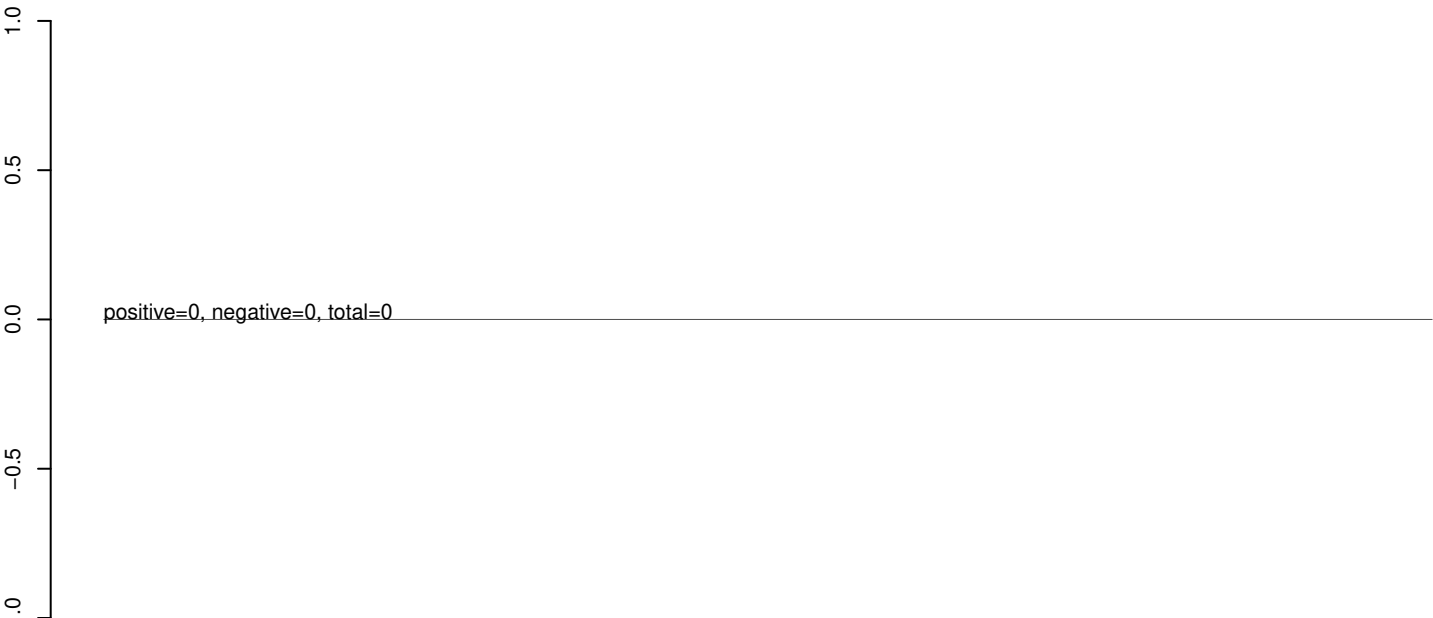
**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



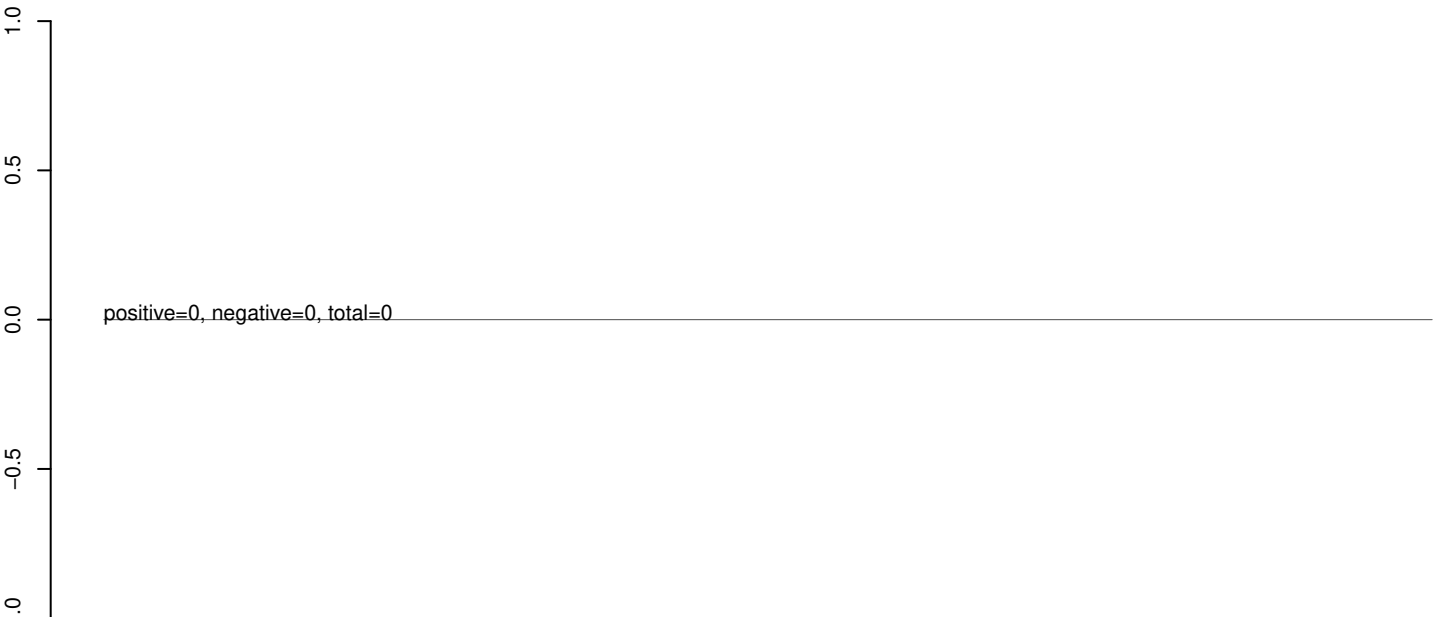
**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



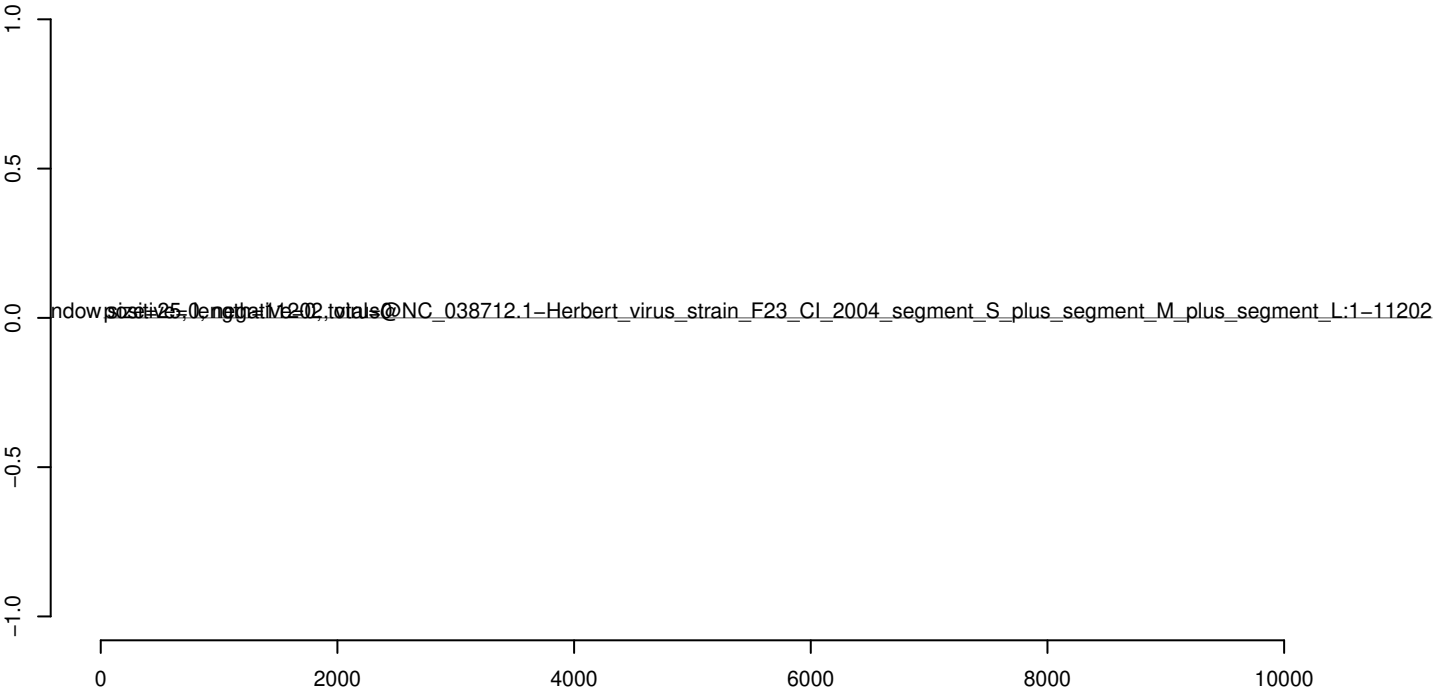
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



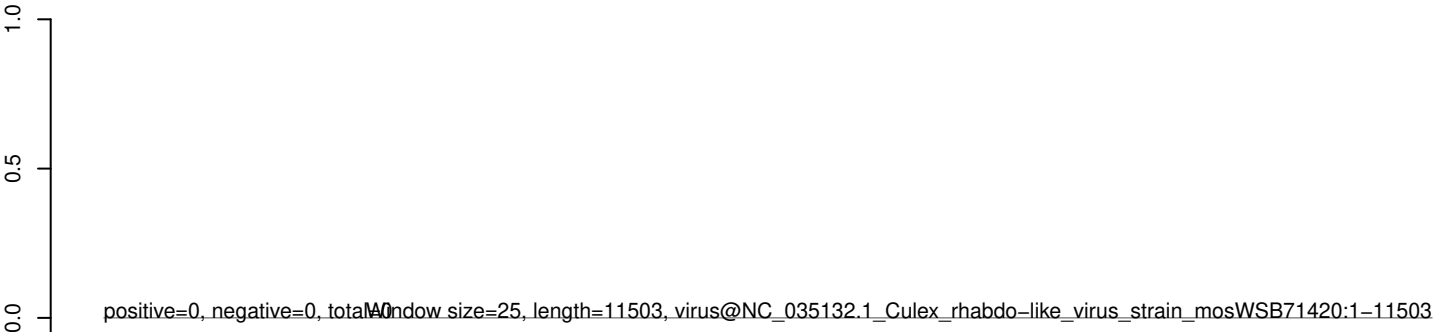
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



0 2000 4000 6000 8000 10000 12000

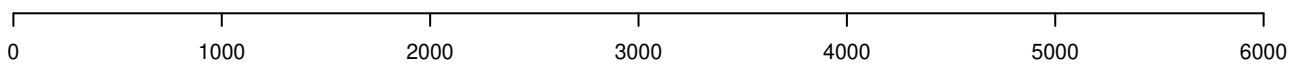
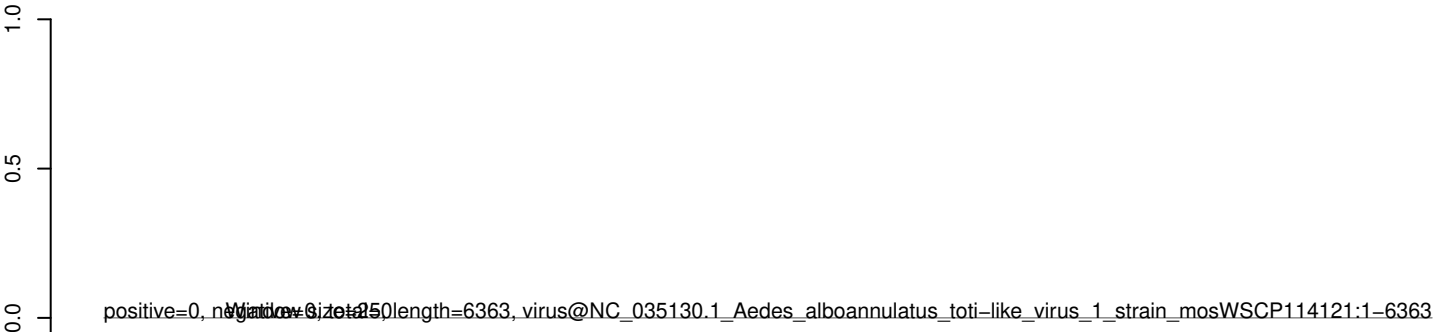
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



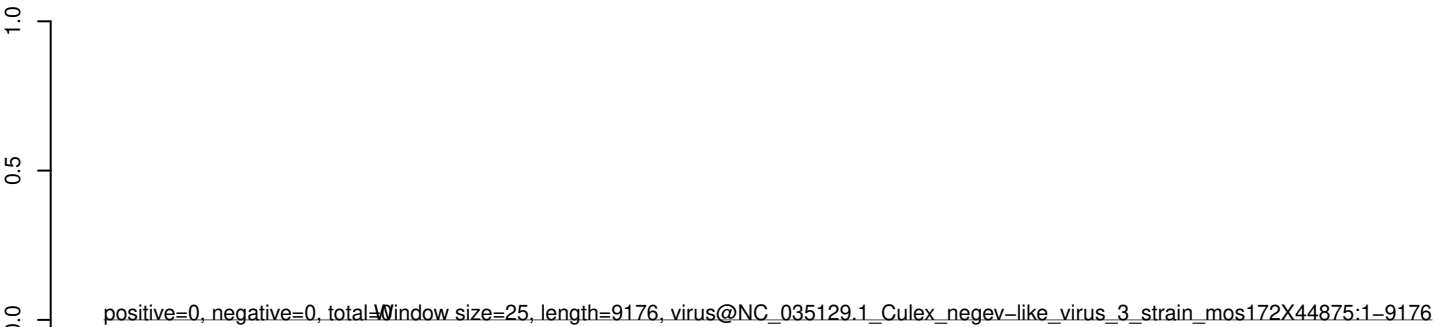
**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



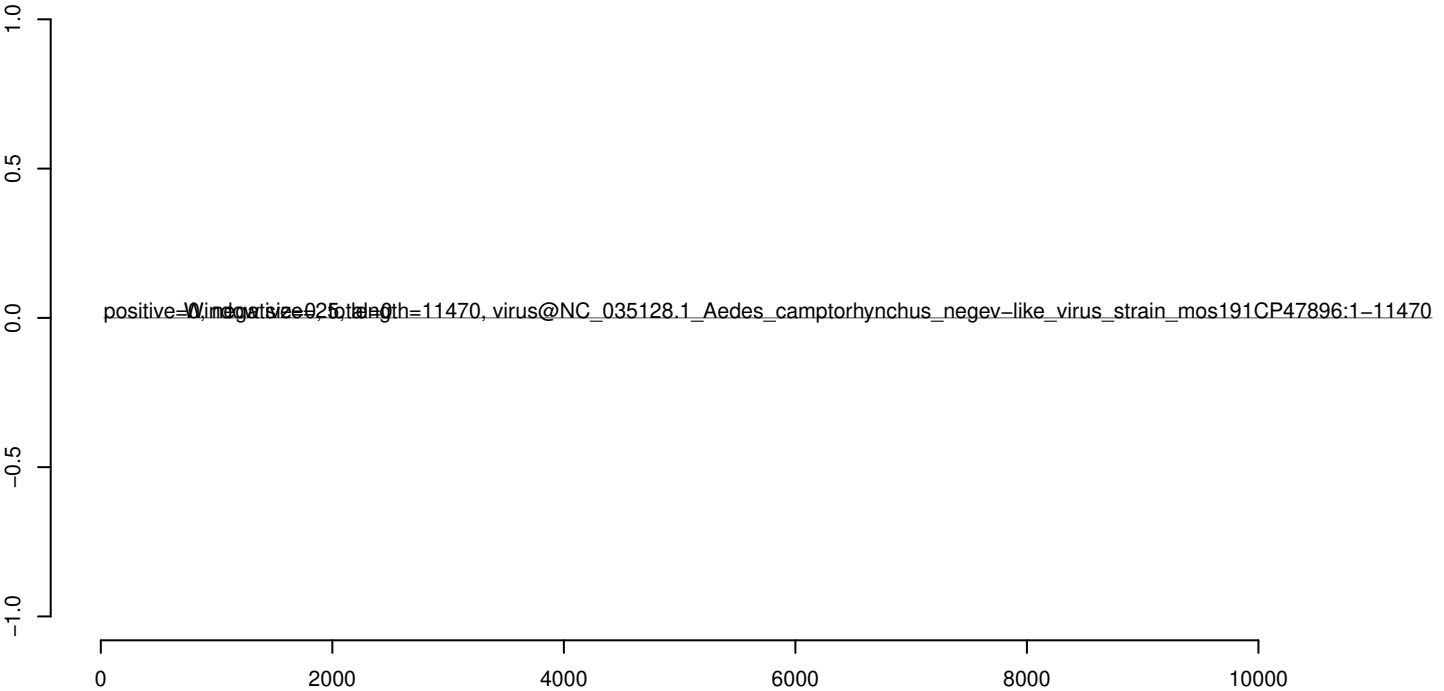
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**AeAeg\_Aag2SINV\_Piwi4.IP.rep**





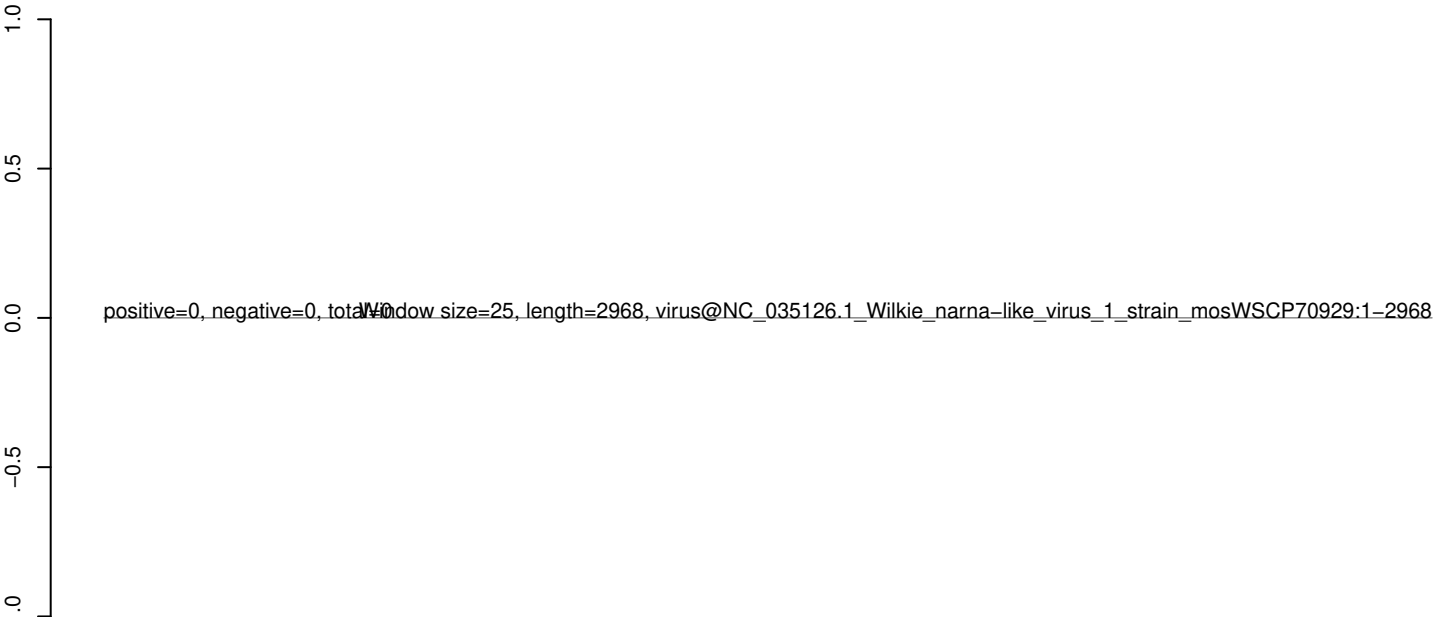
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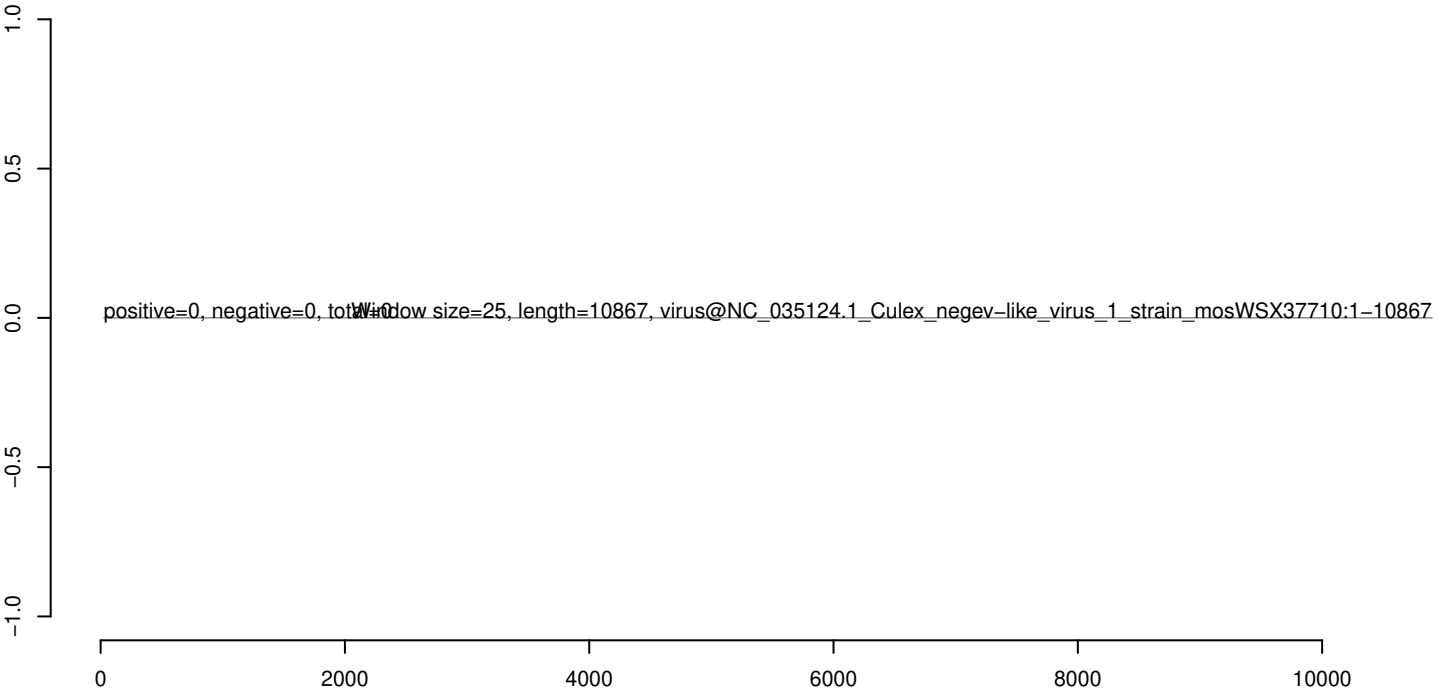
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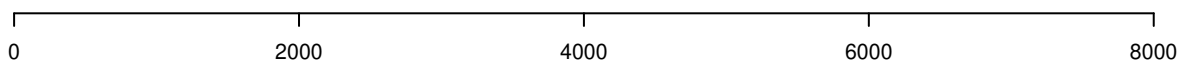
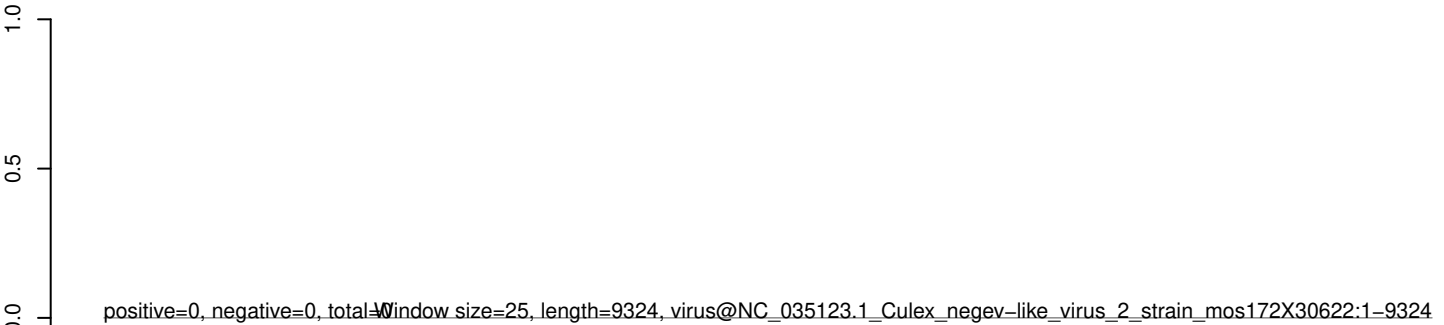
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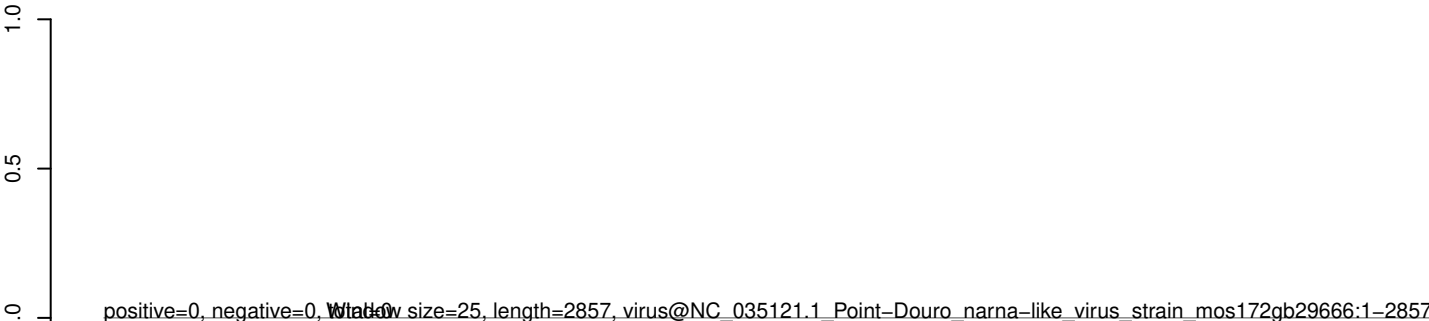
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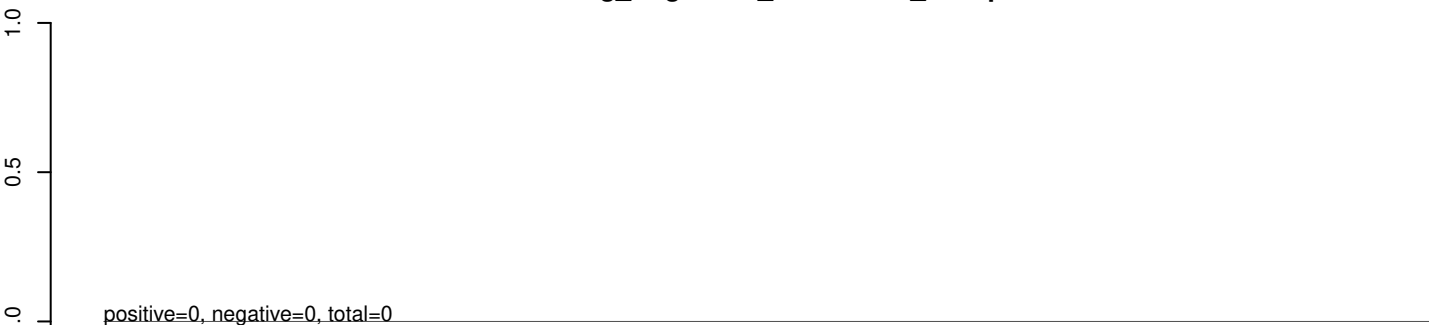
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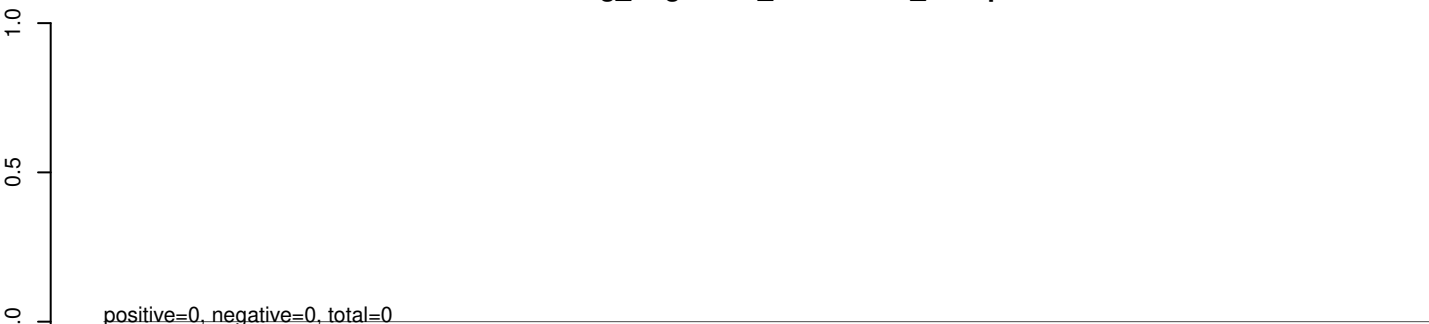
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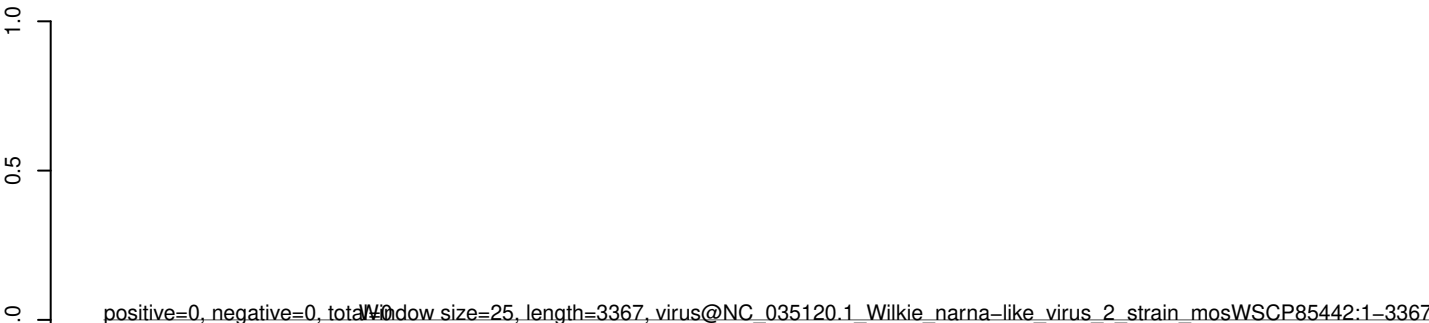
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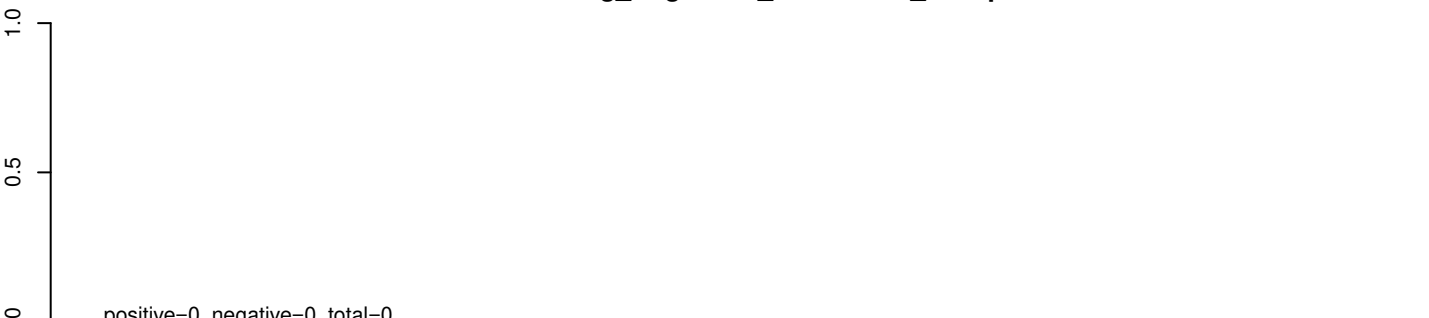
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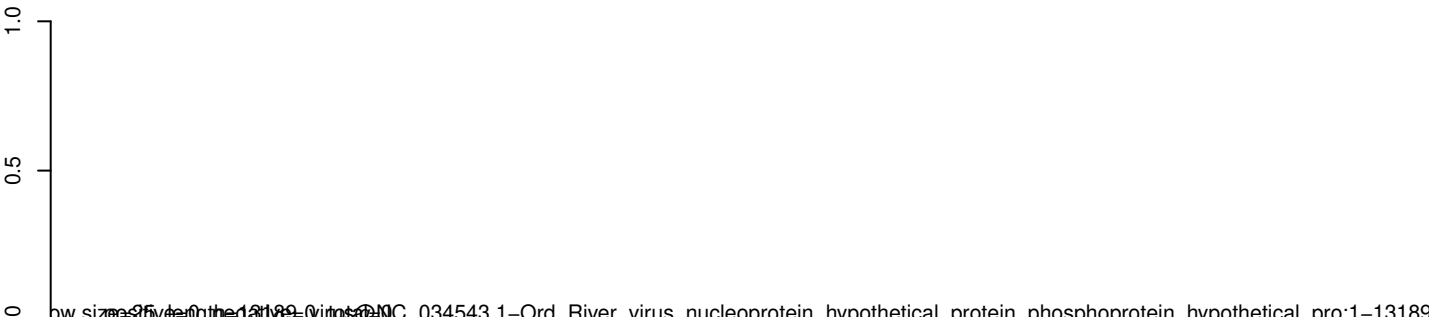
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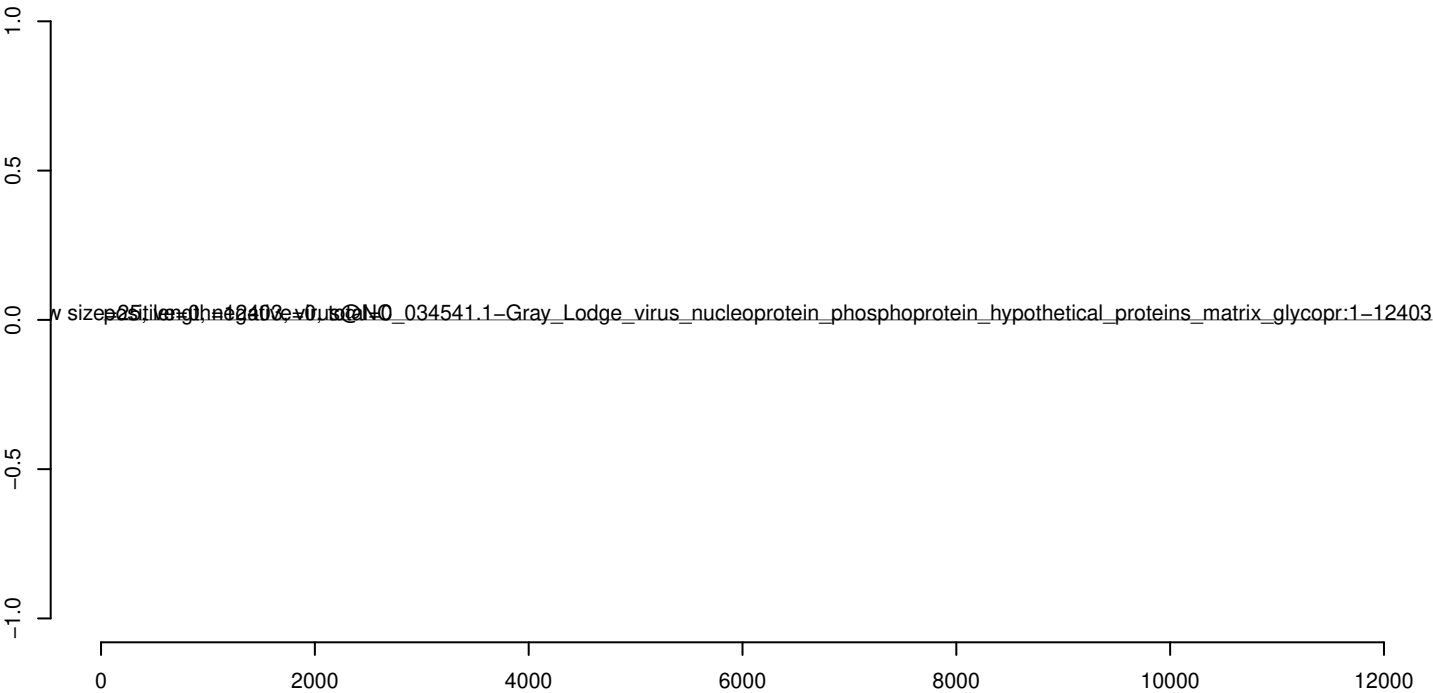
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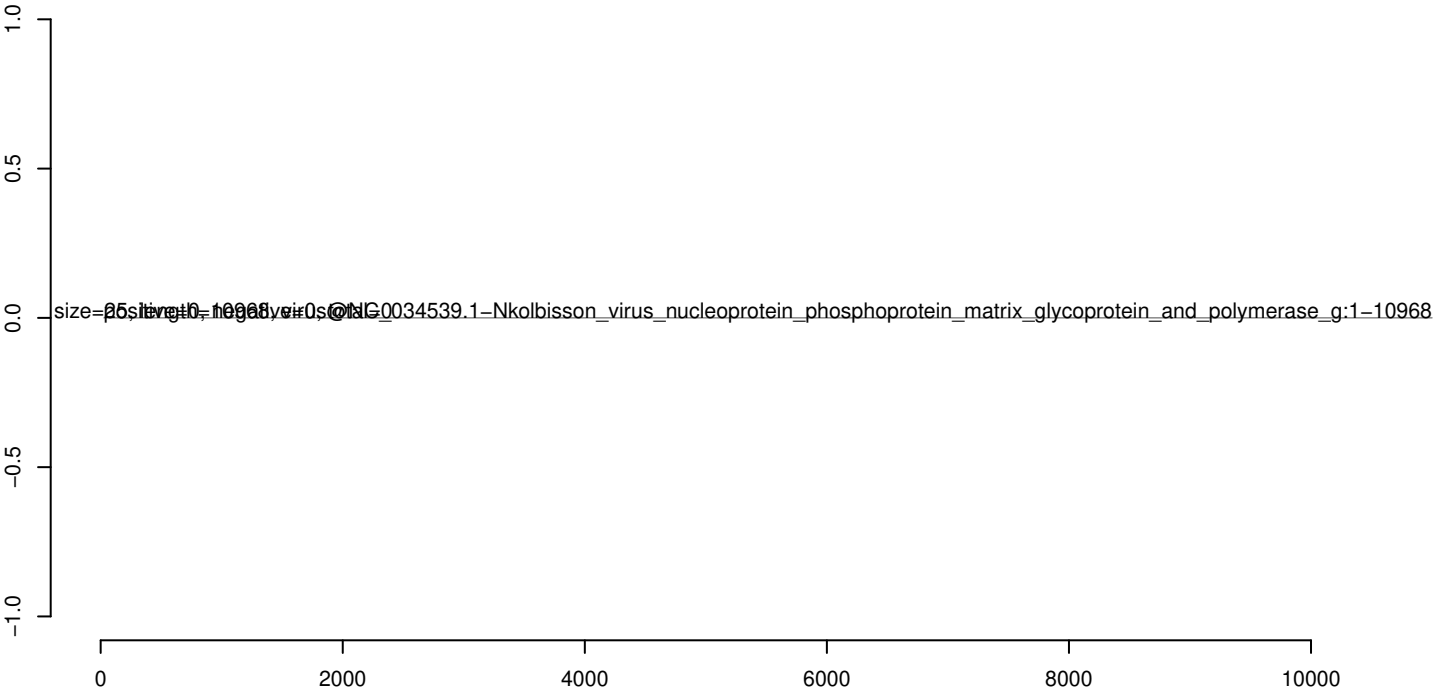
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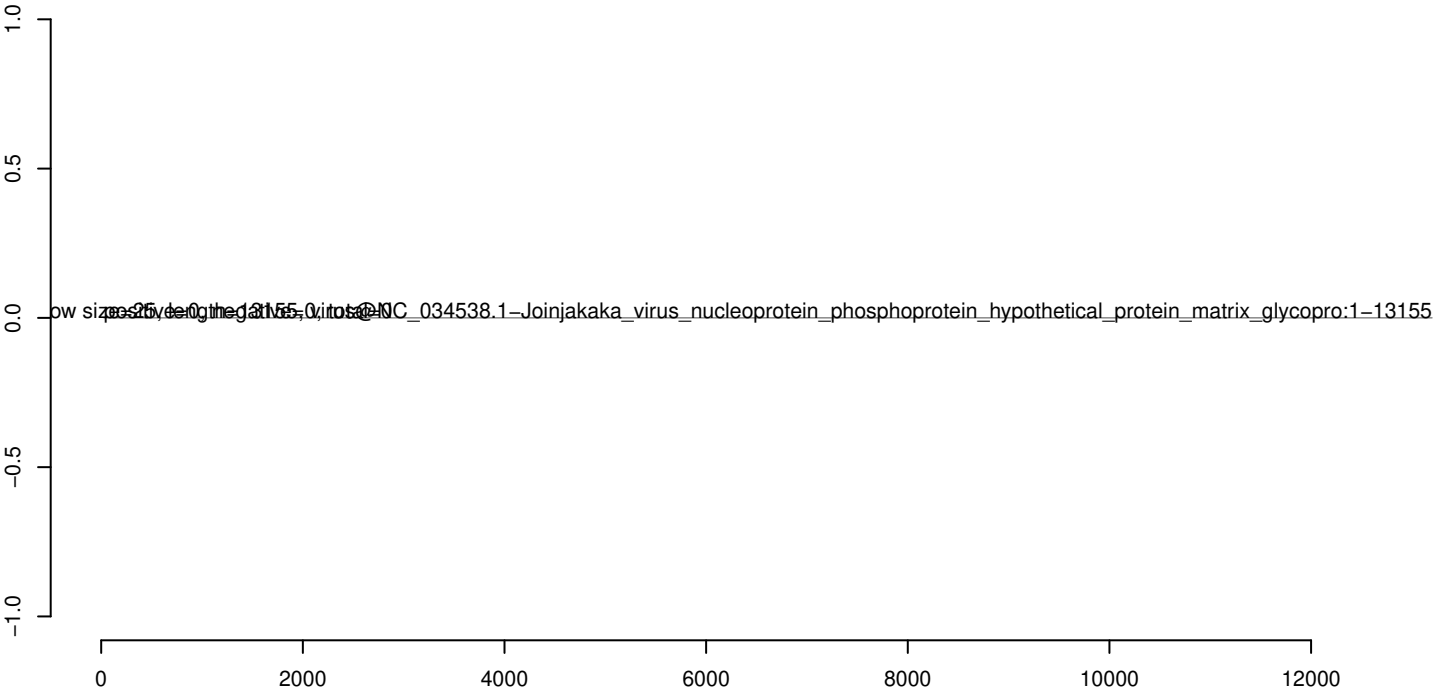
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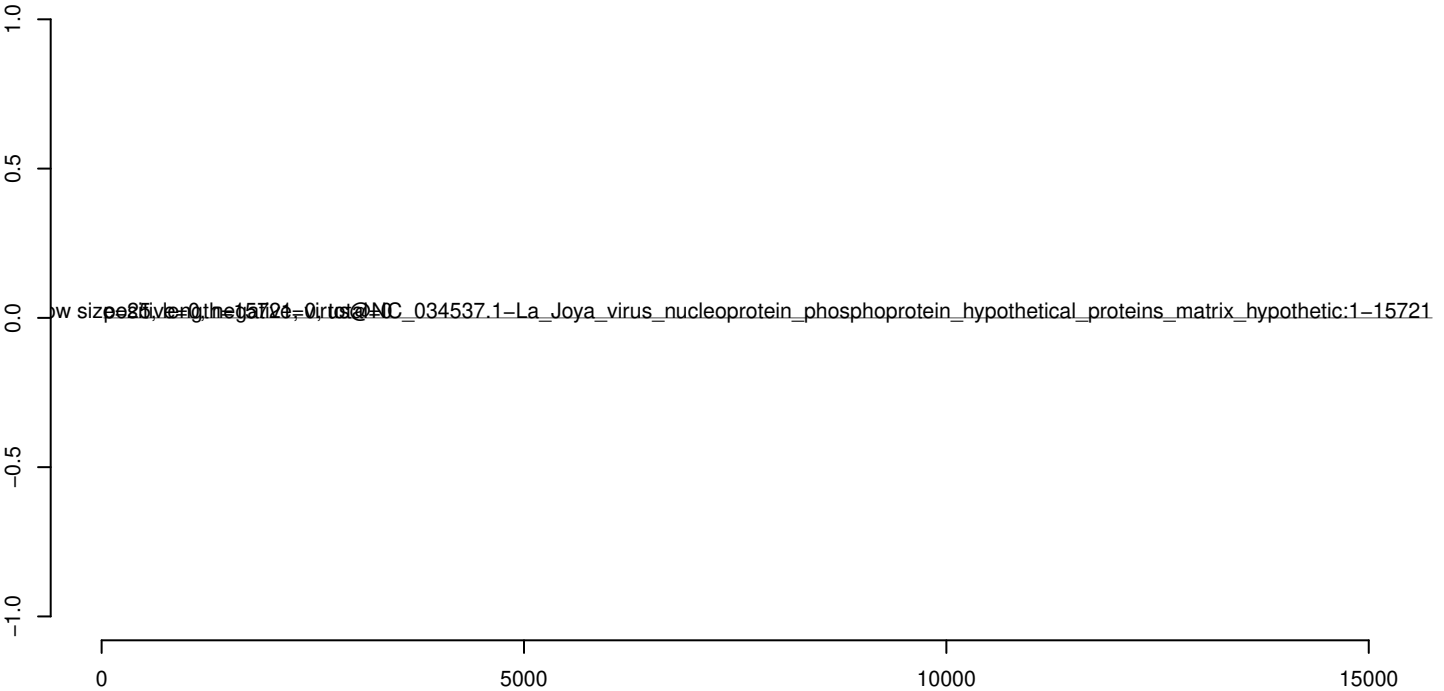
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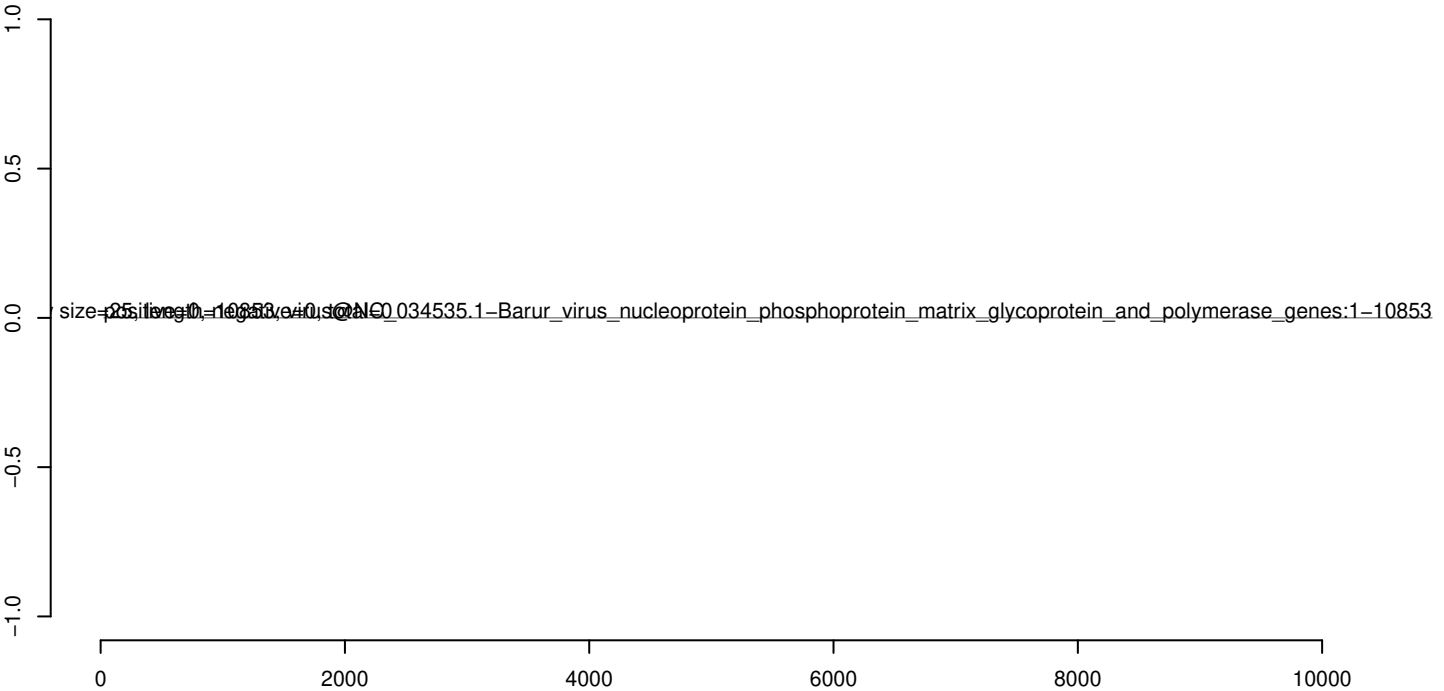
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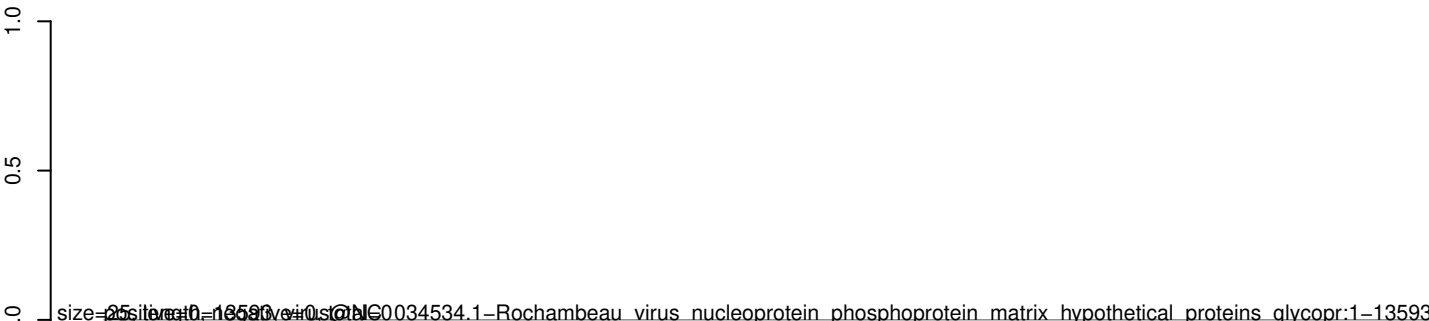
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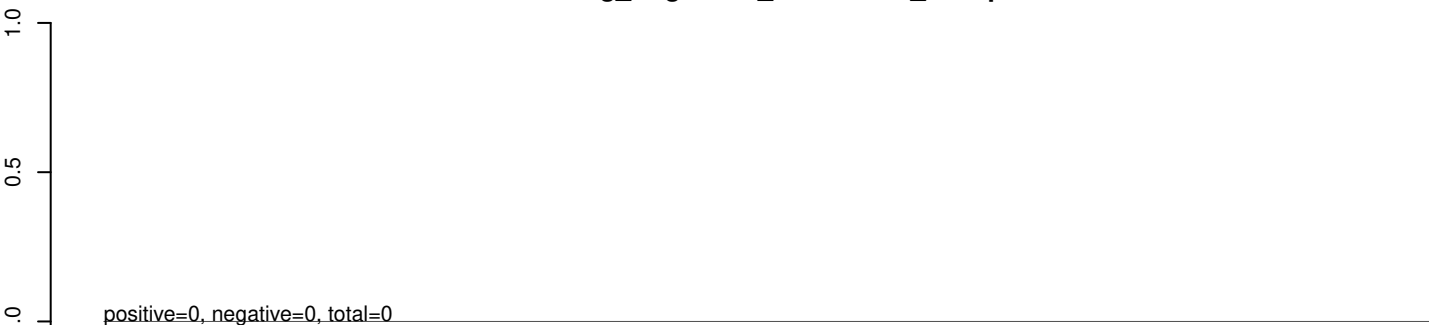
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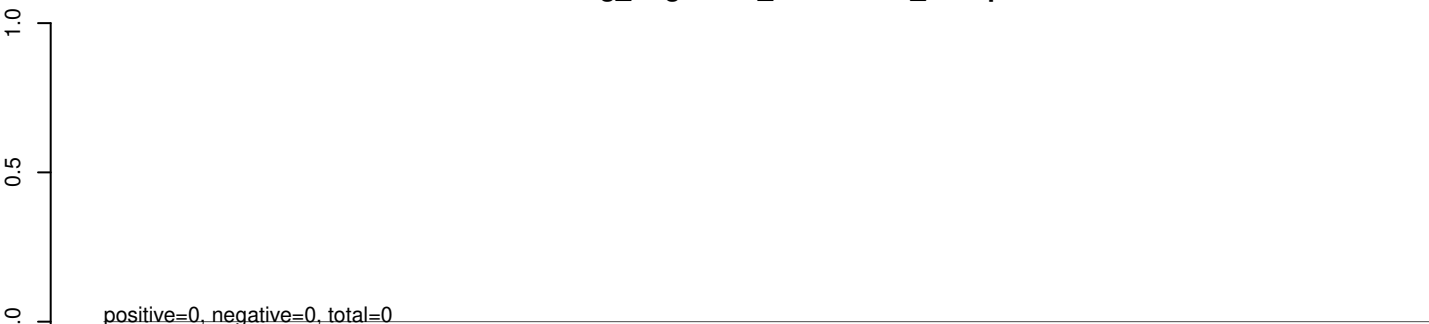
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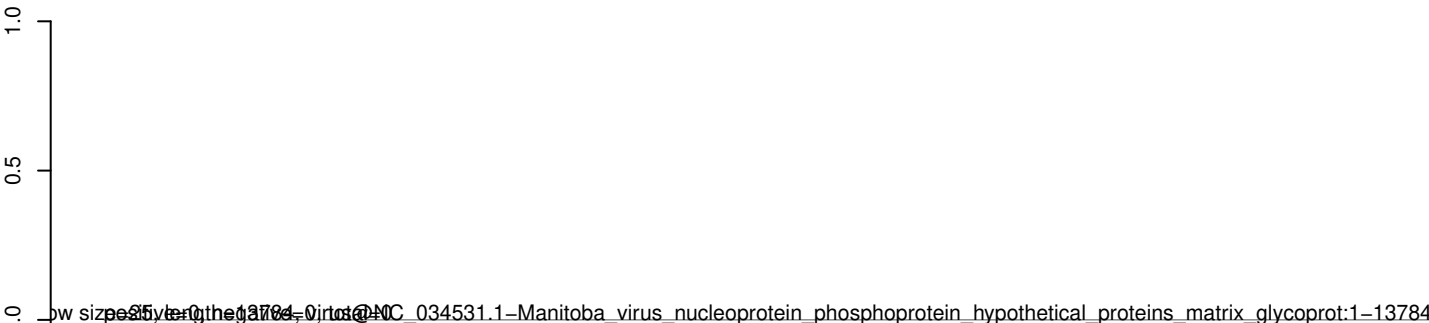
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**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



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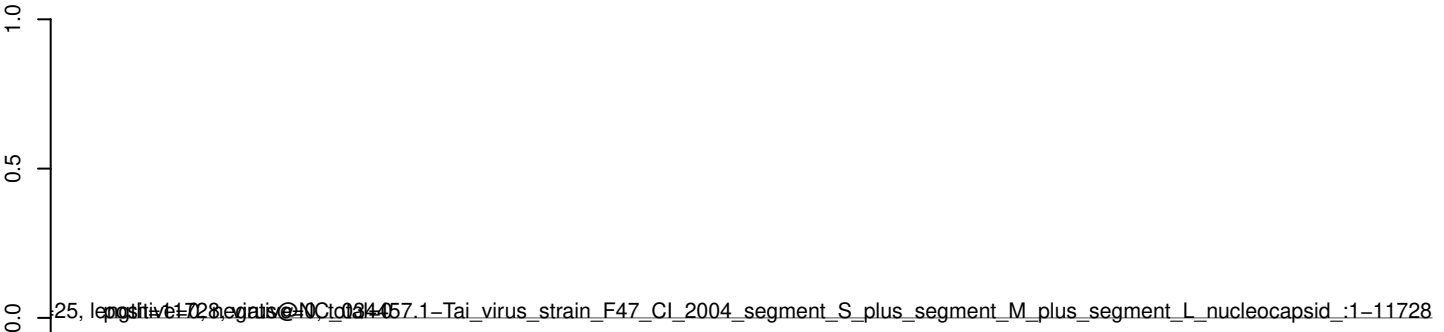
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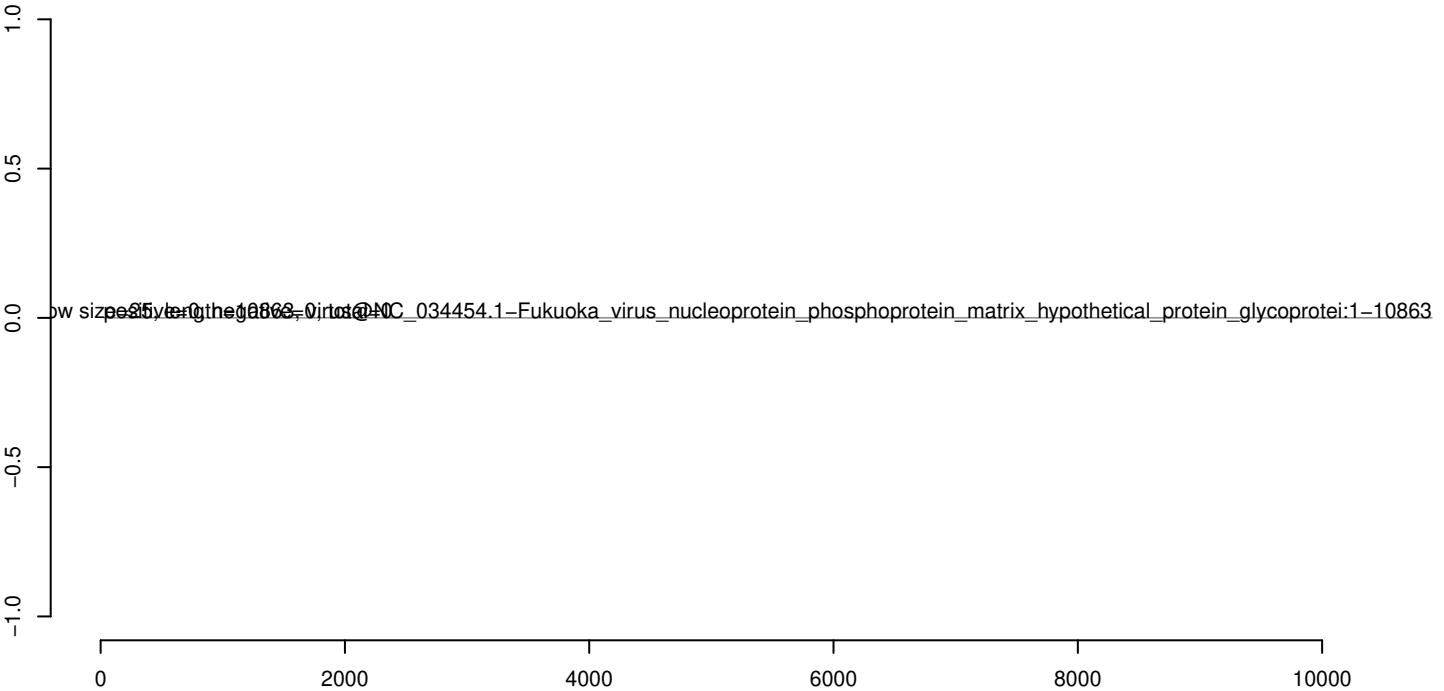
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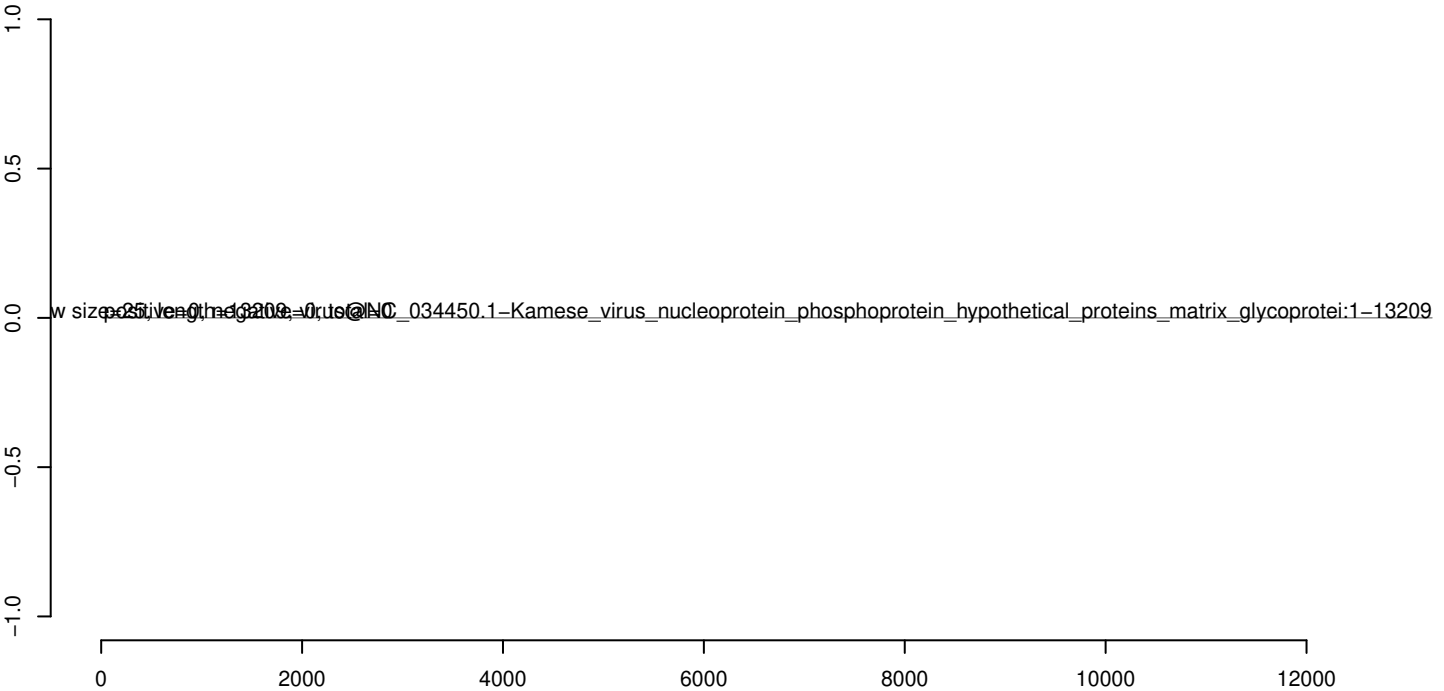
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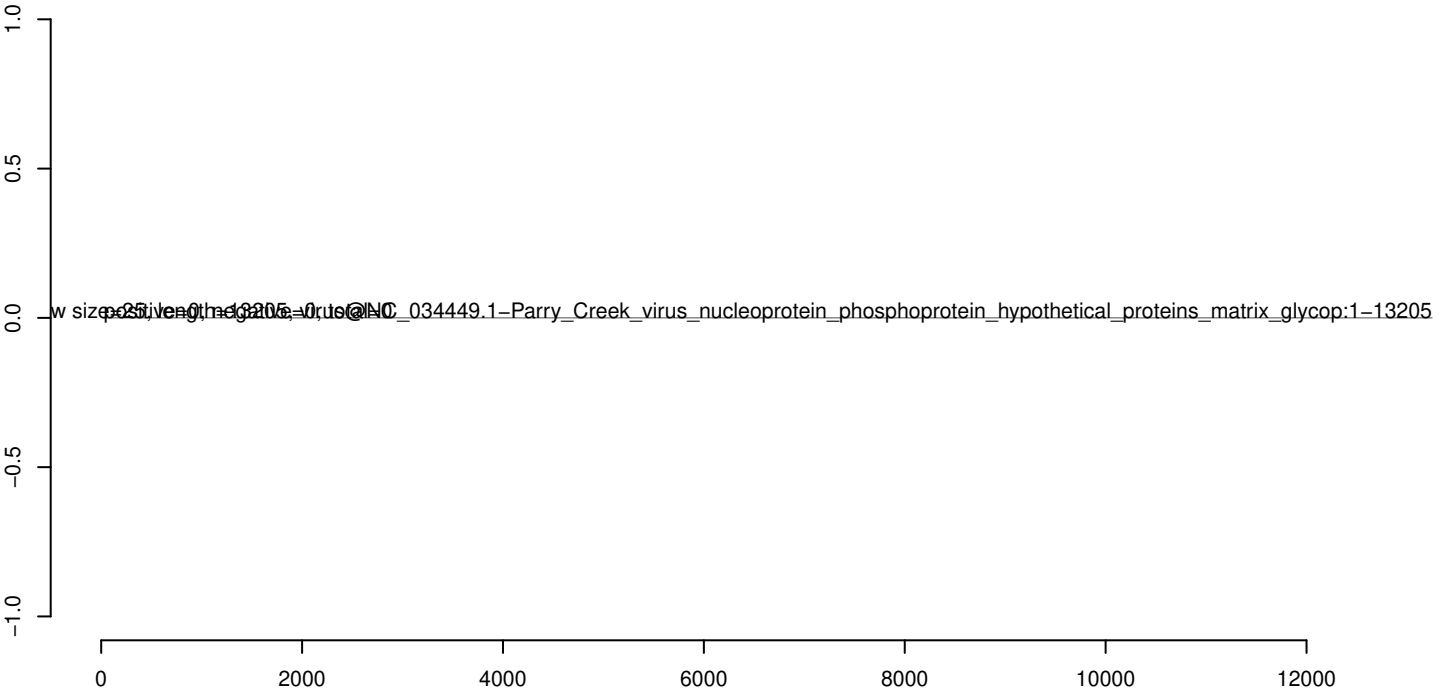
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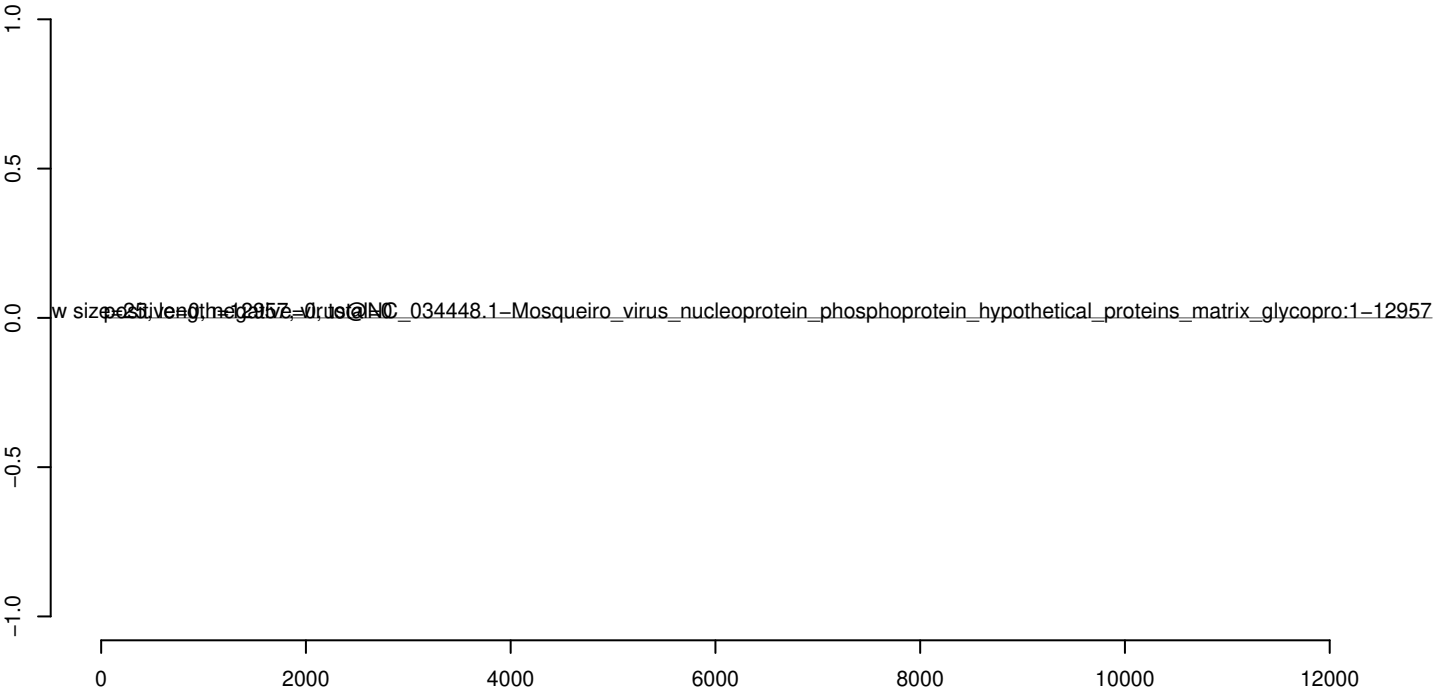
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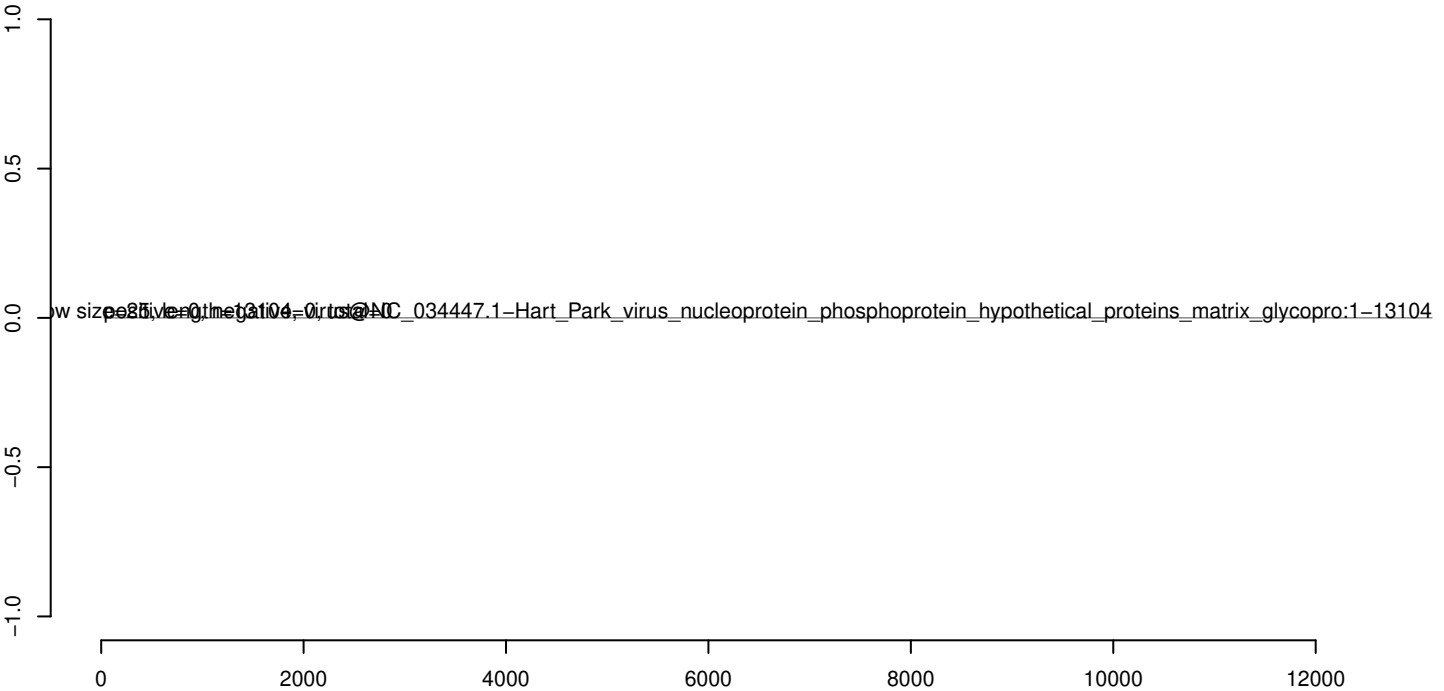
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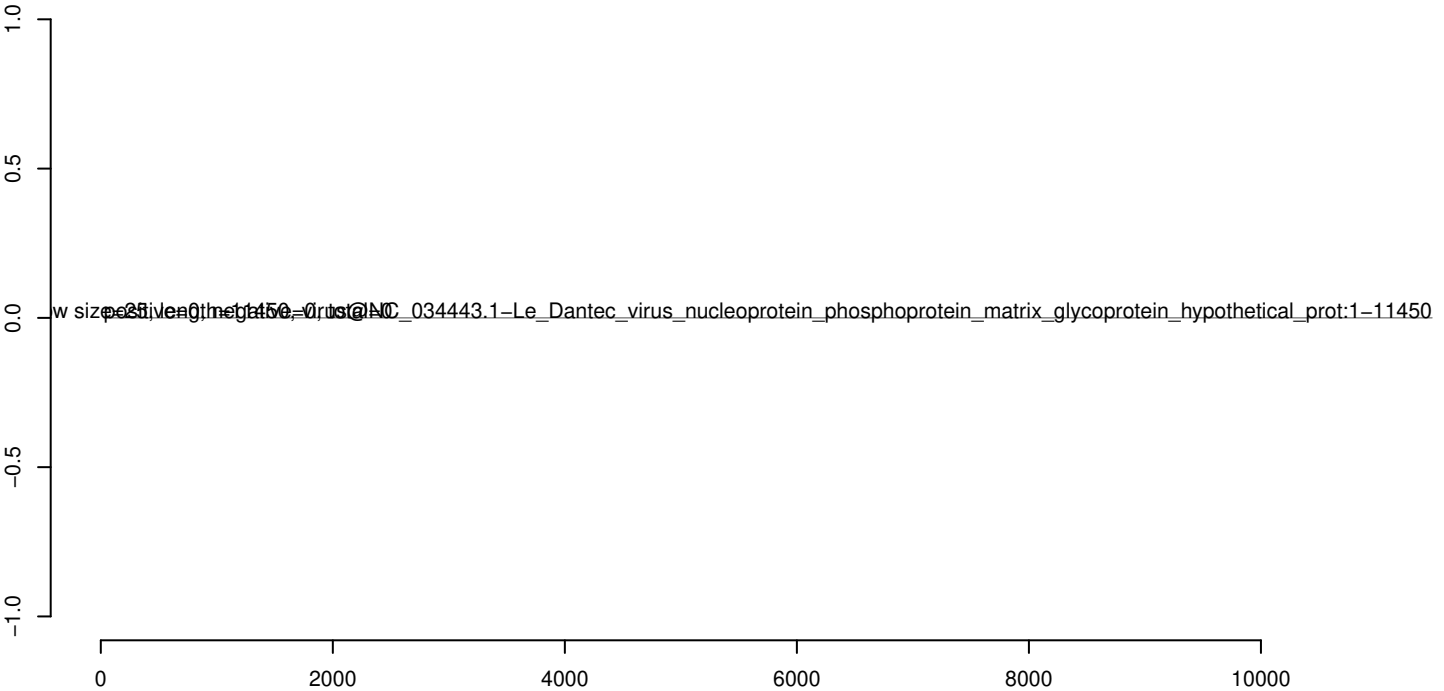
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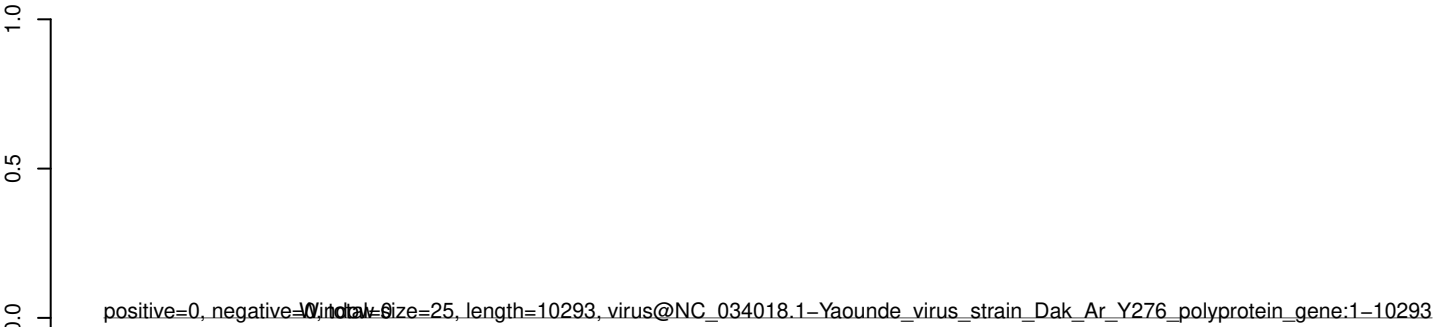
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0 2000 4000 6000 8000 10000

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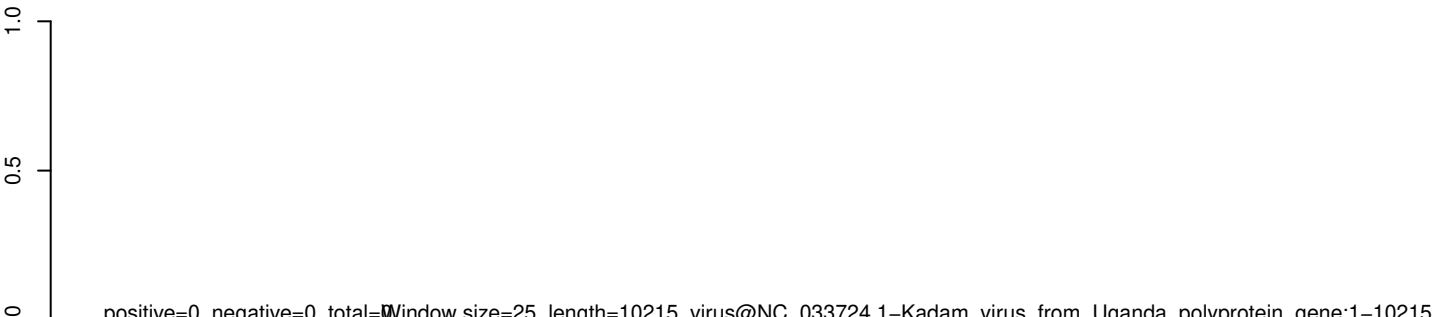
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**AeAeg\_Aag2SINV\_Piwi4.IP.24\_35.rep**



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**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



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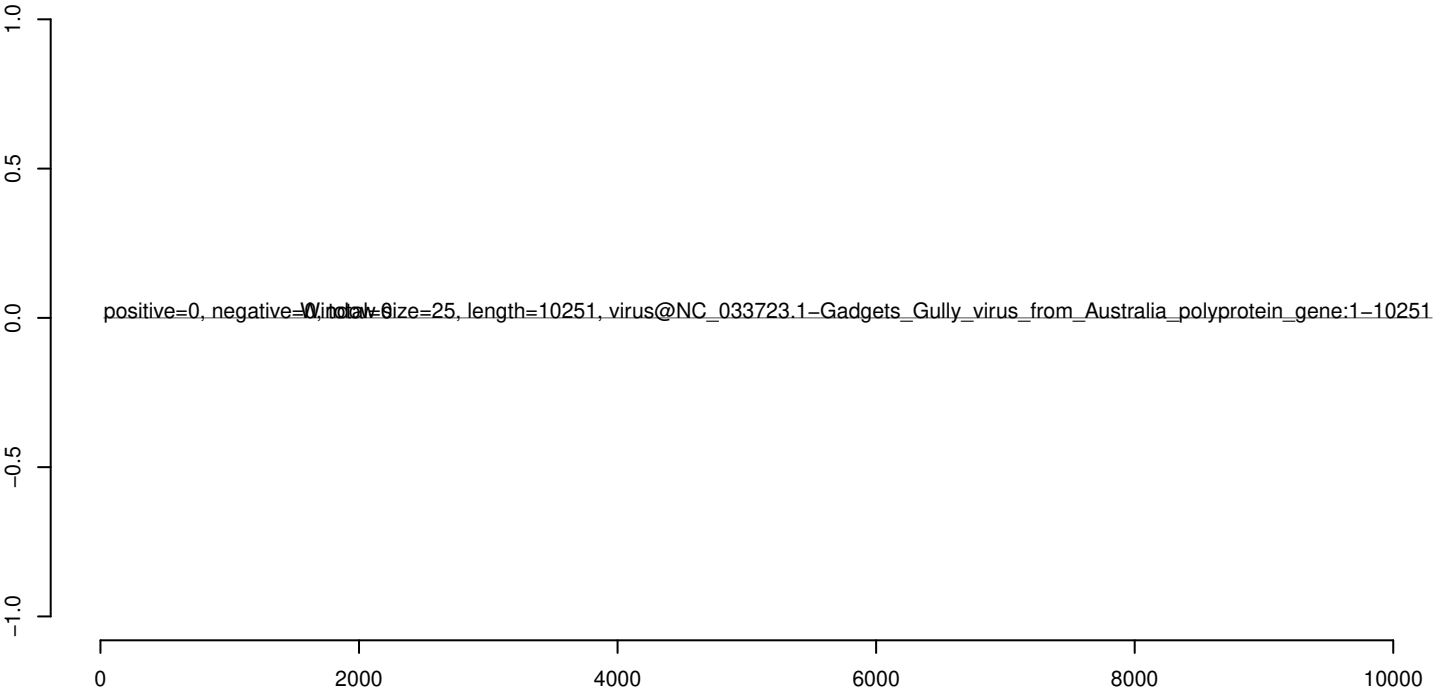
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**AeAeg\_Aag2SINV\_Piwi4.IP.rep**





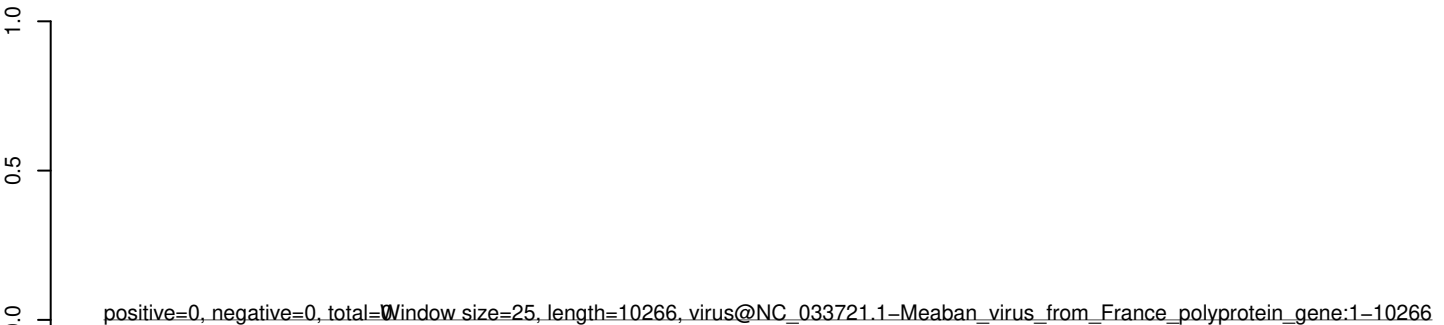
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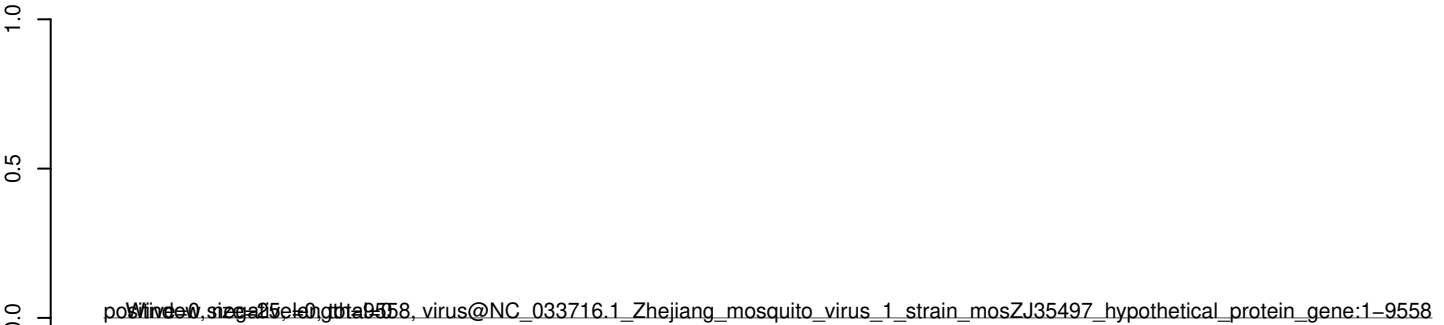
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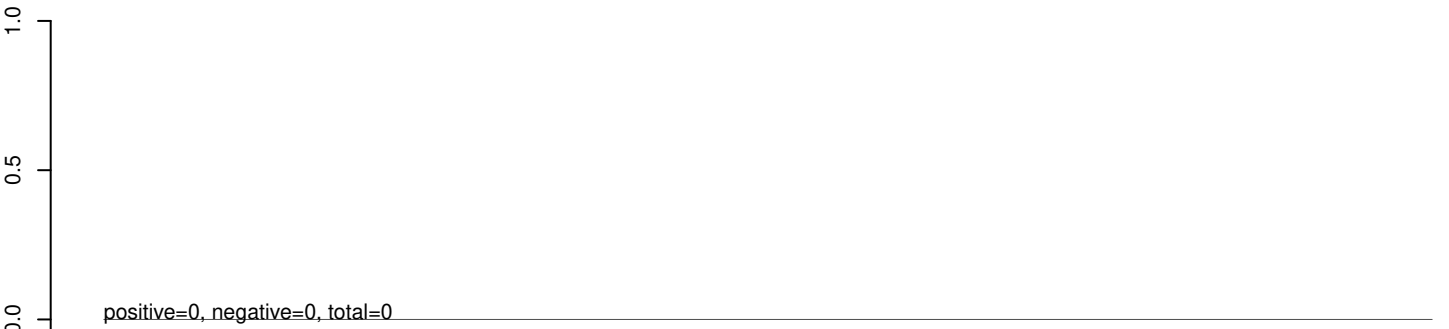
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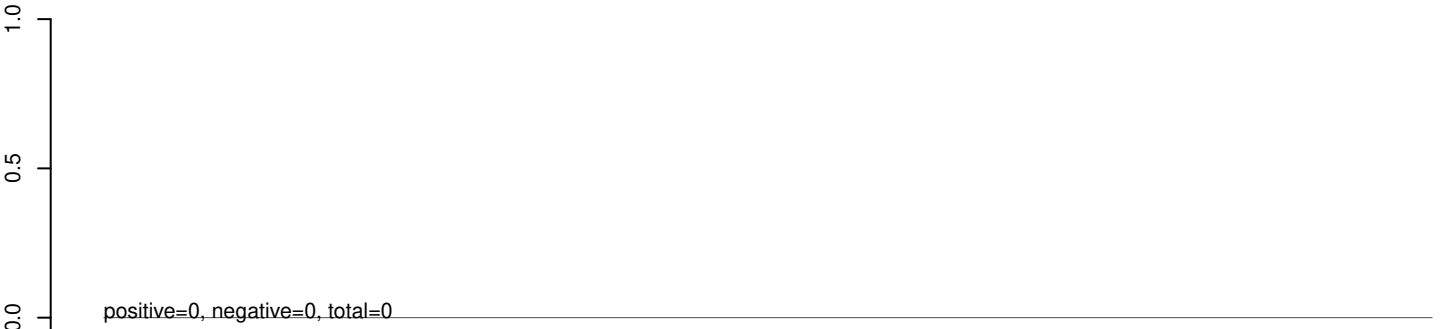
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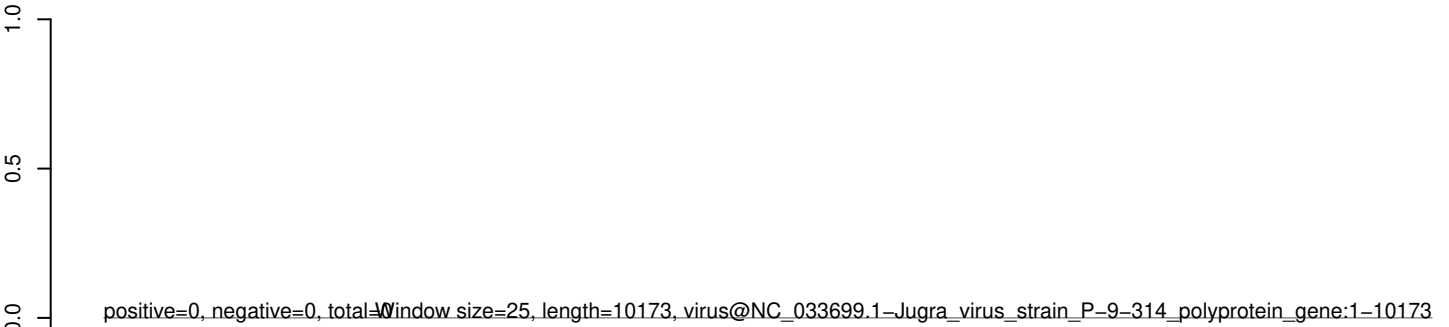
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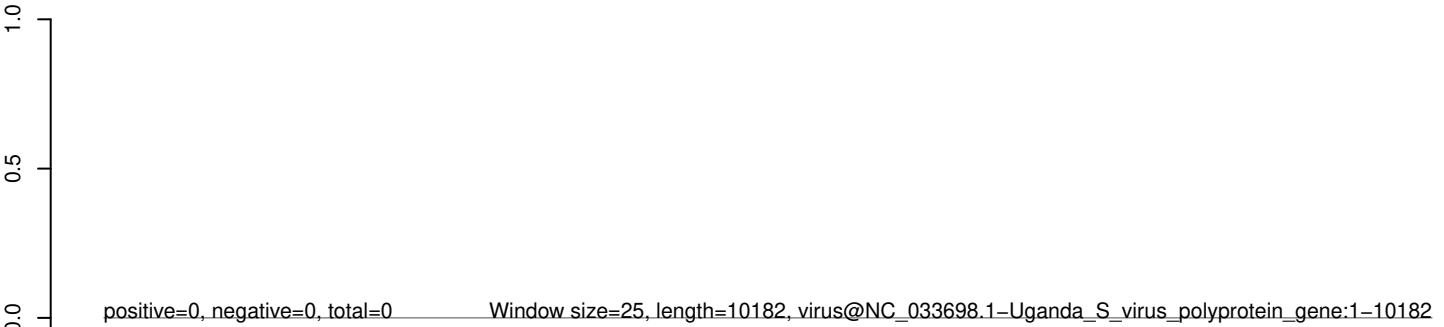
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**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



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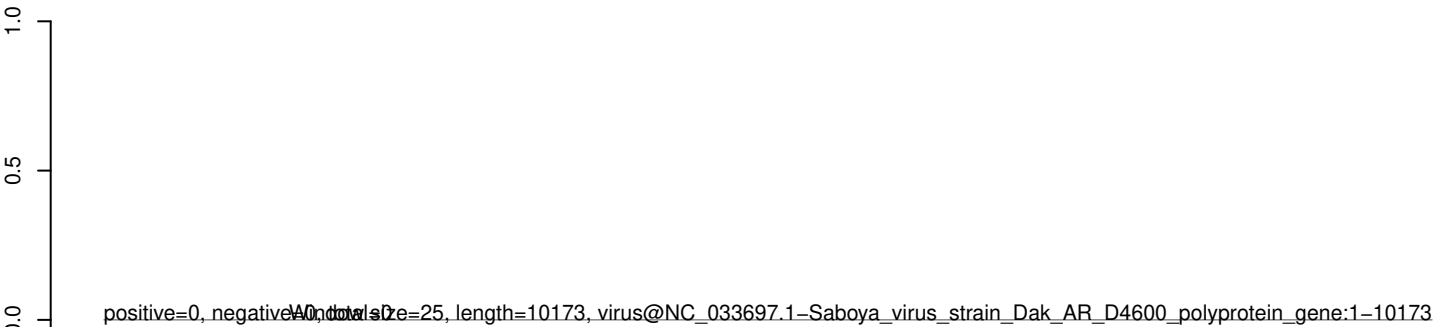
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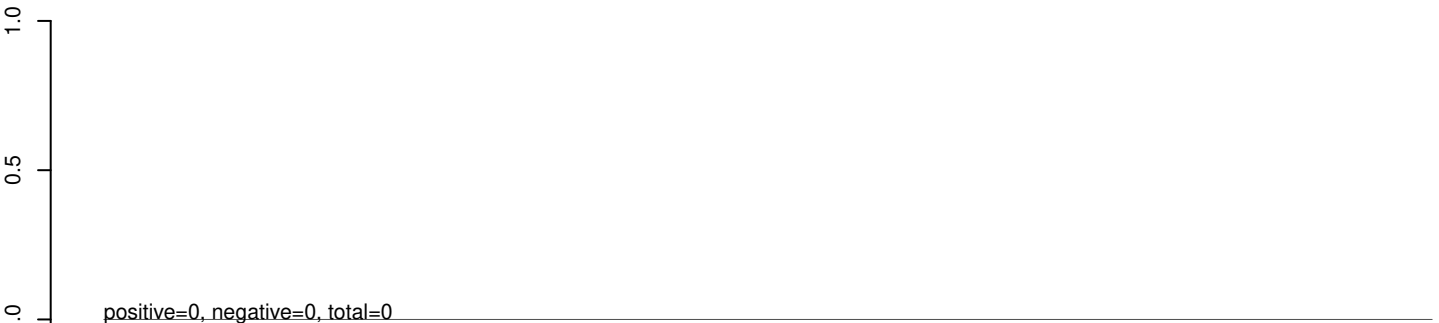
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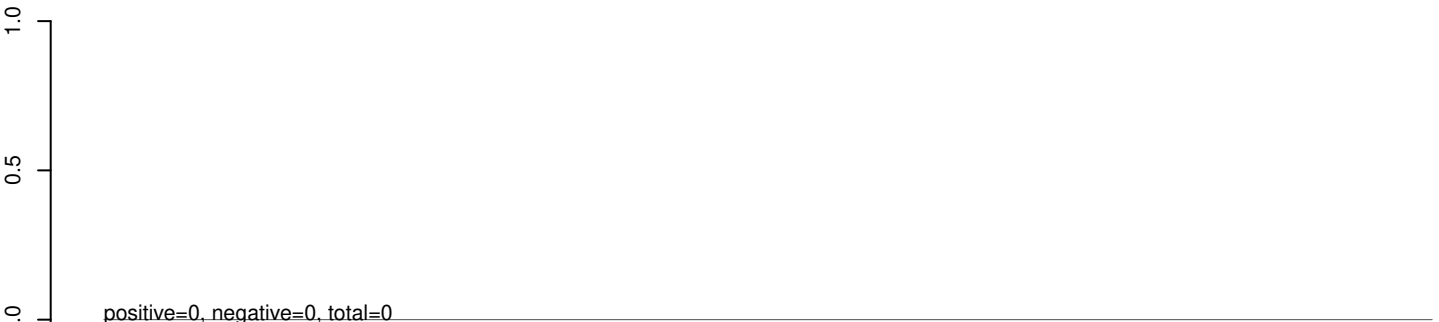
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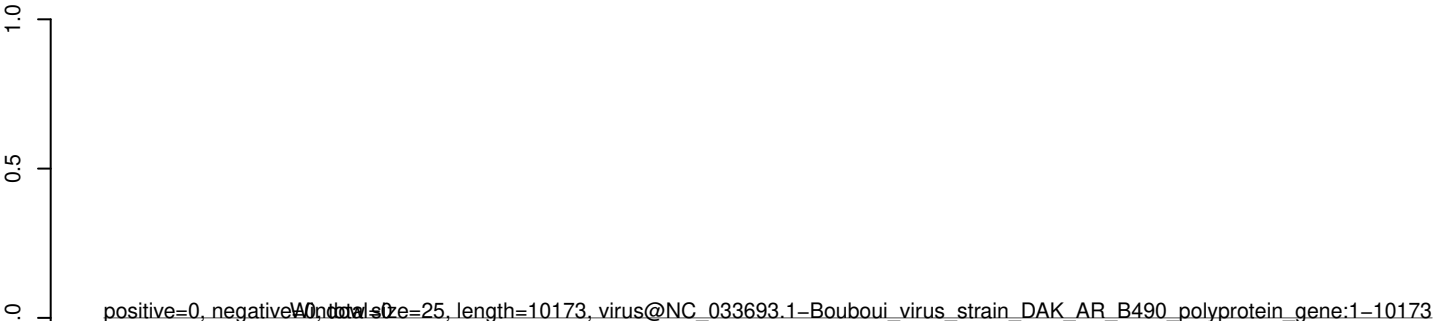
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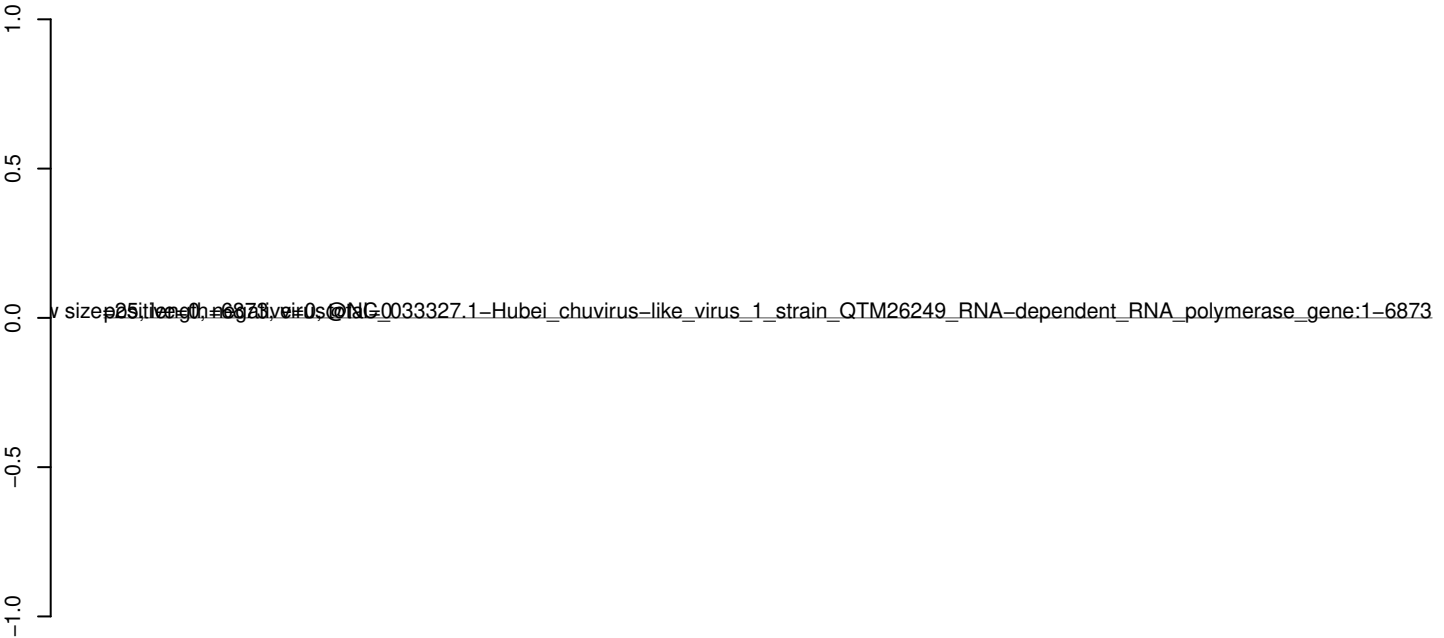
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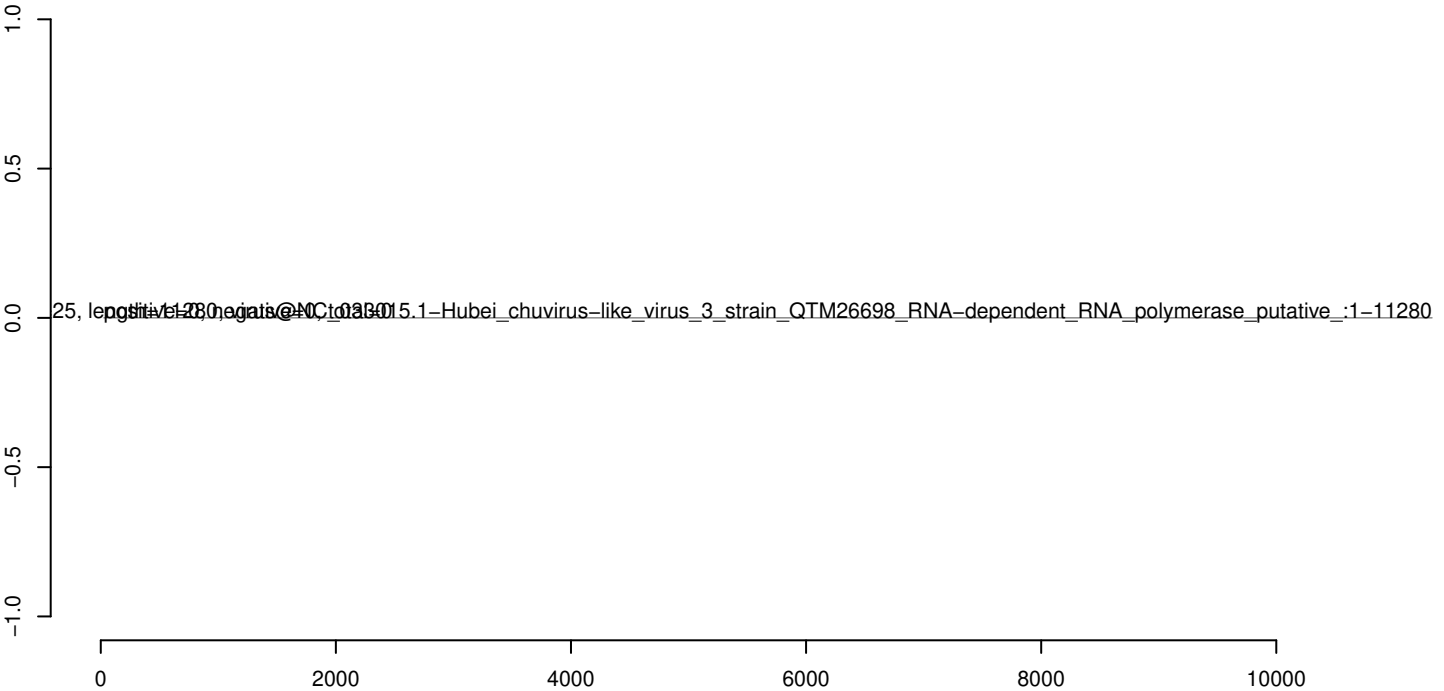
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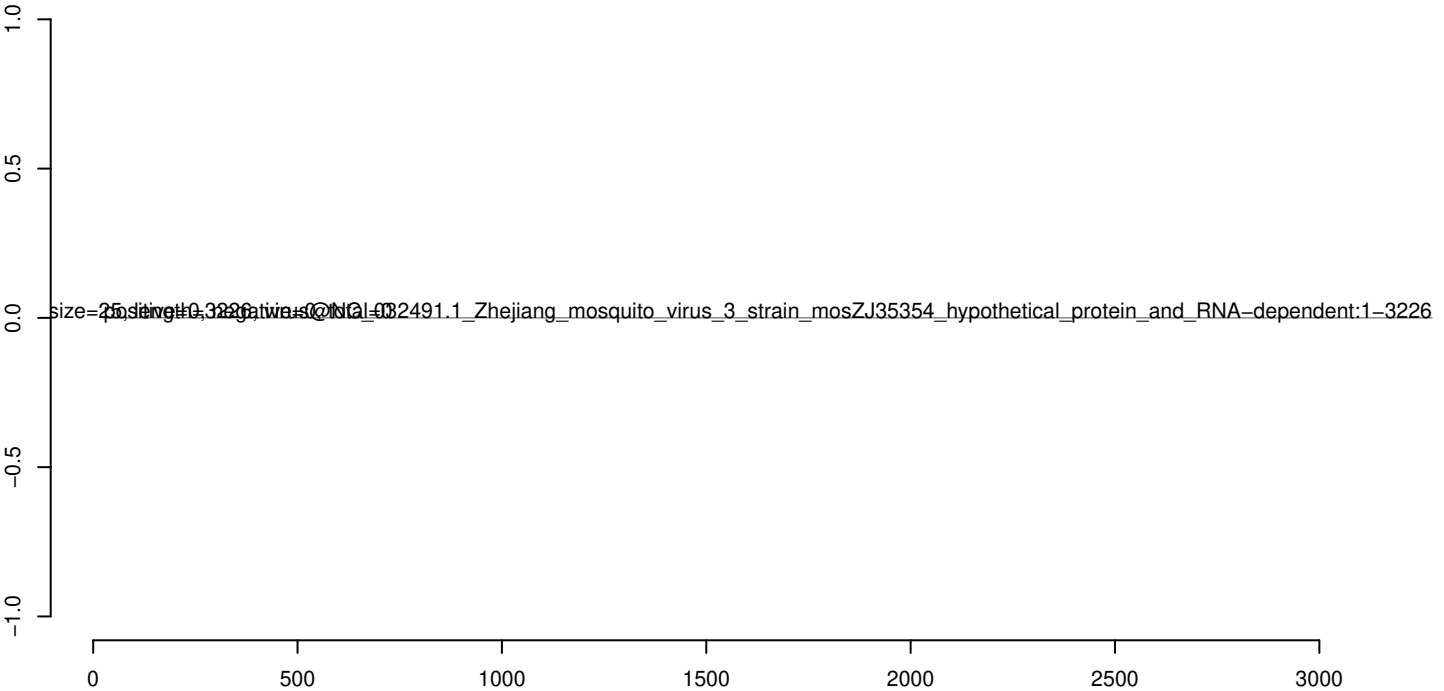
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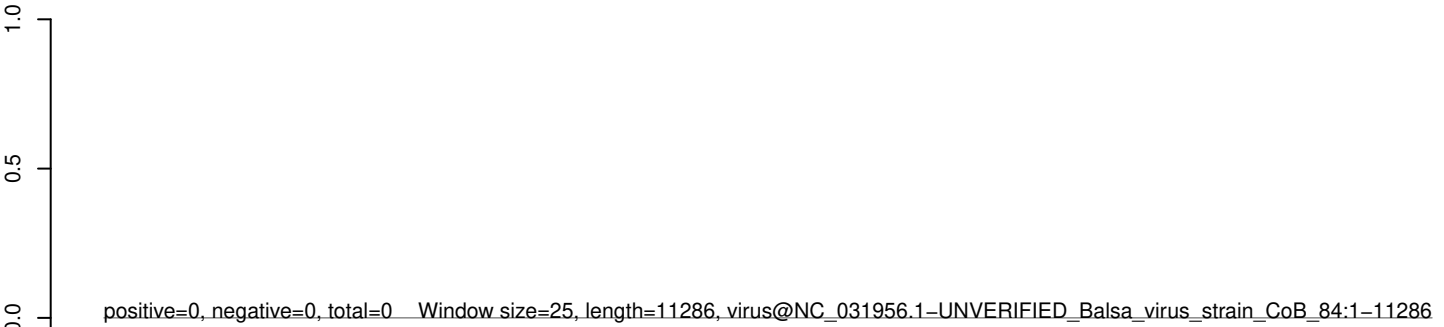
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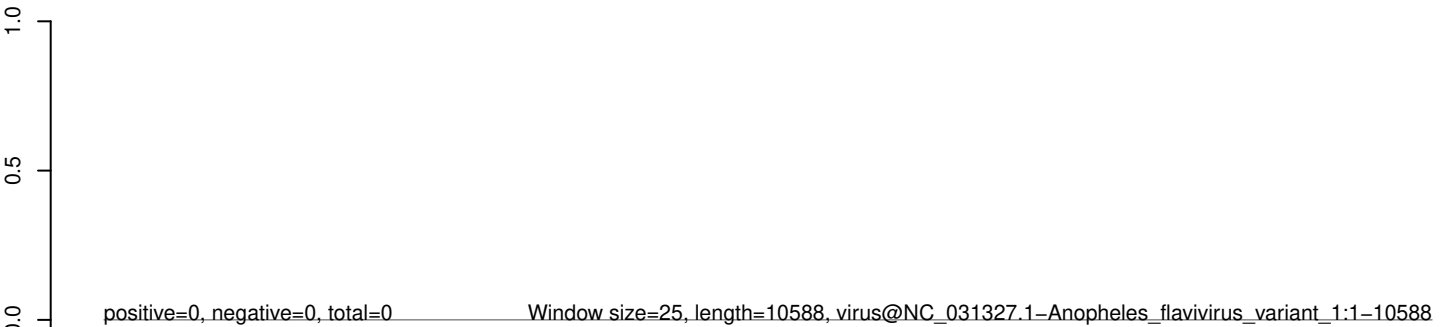
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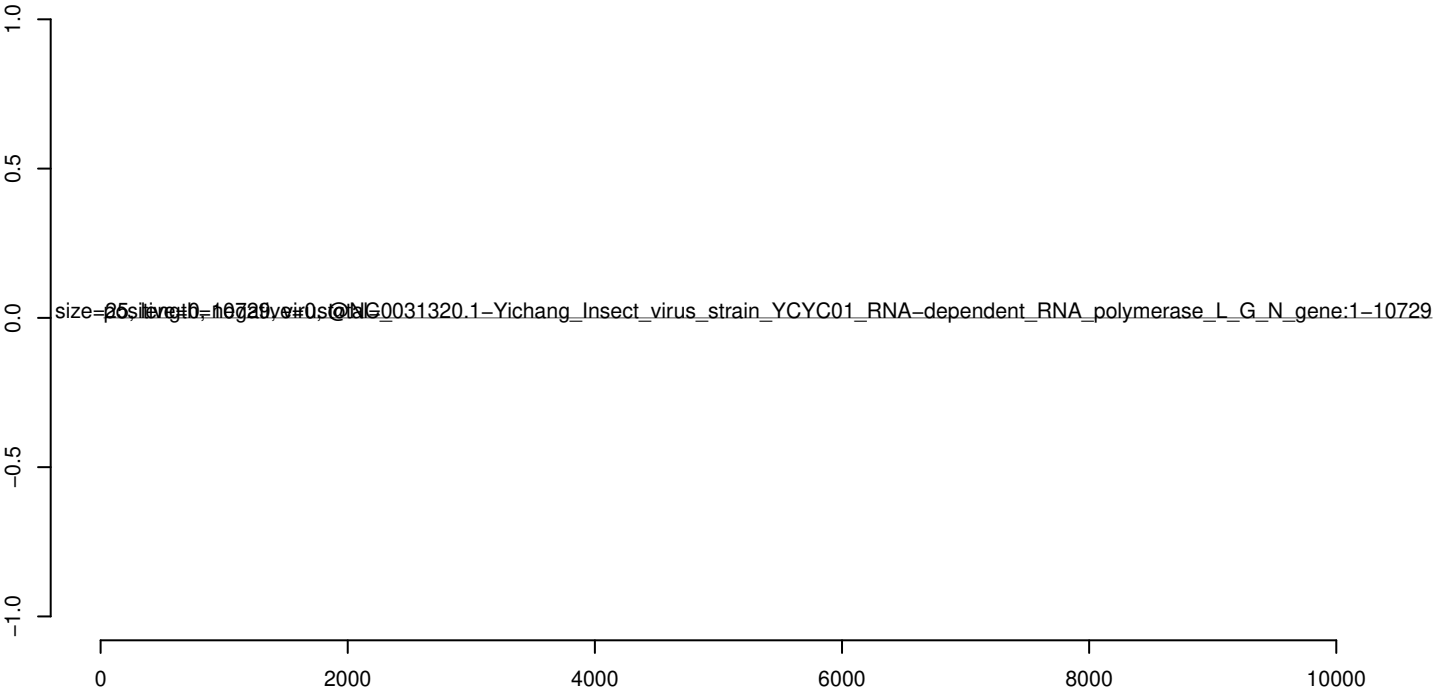
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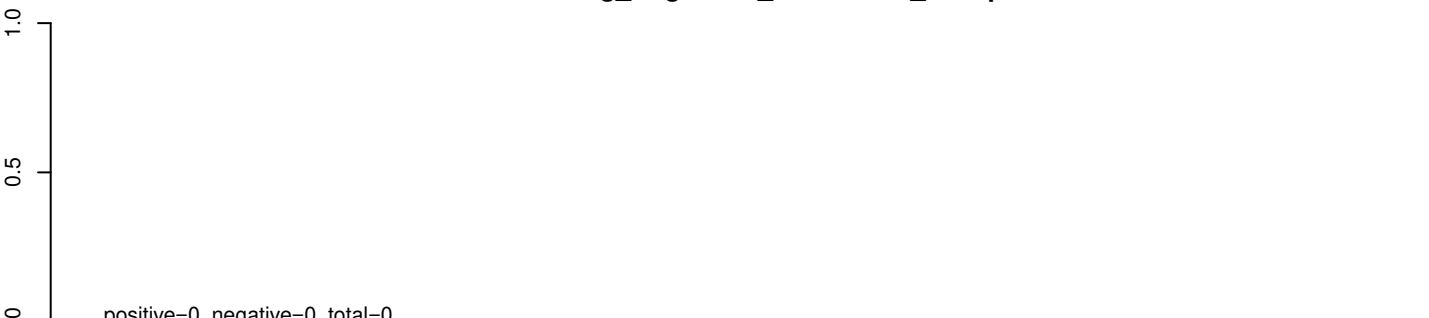
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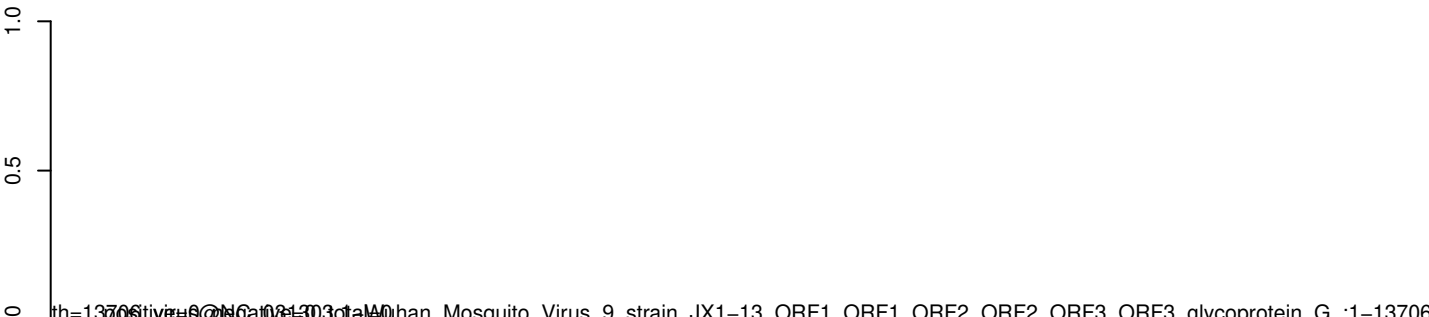
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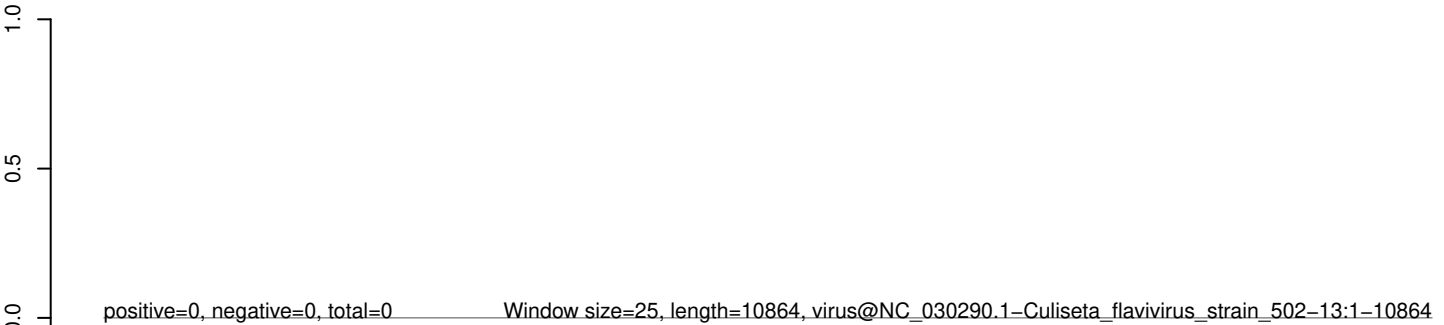
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**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



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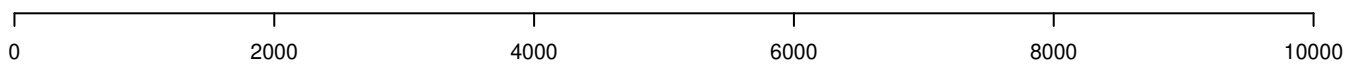
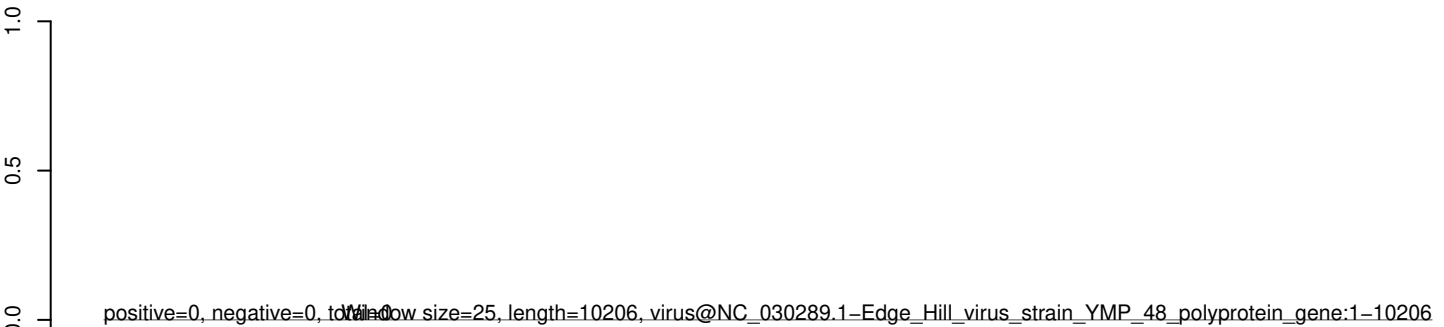
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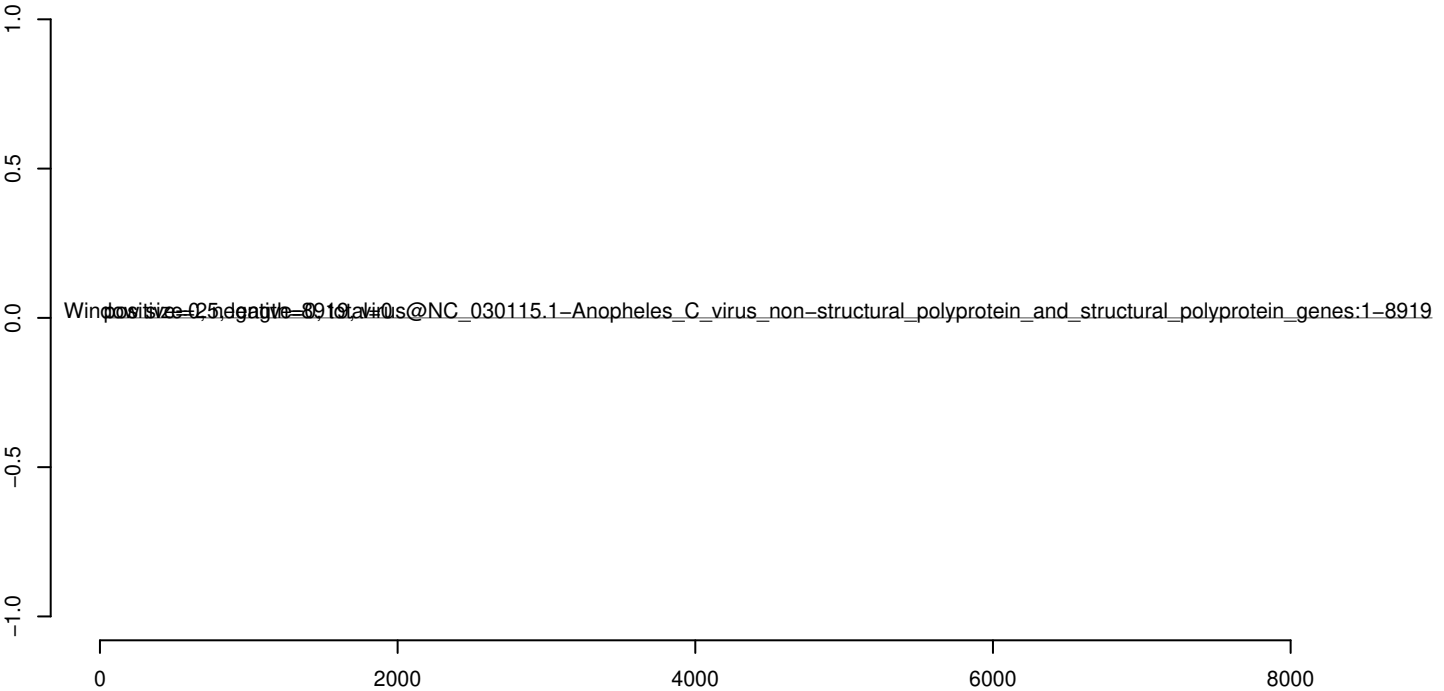
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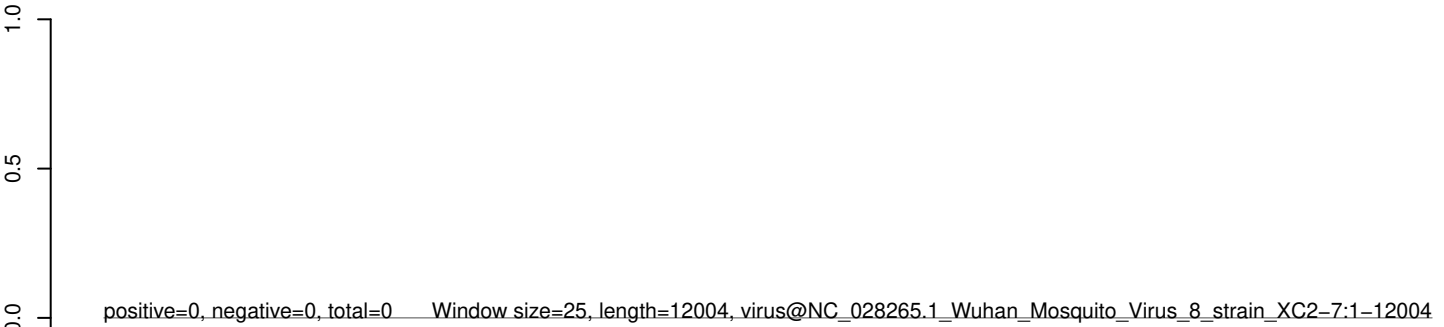
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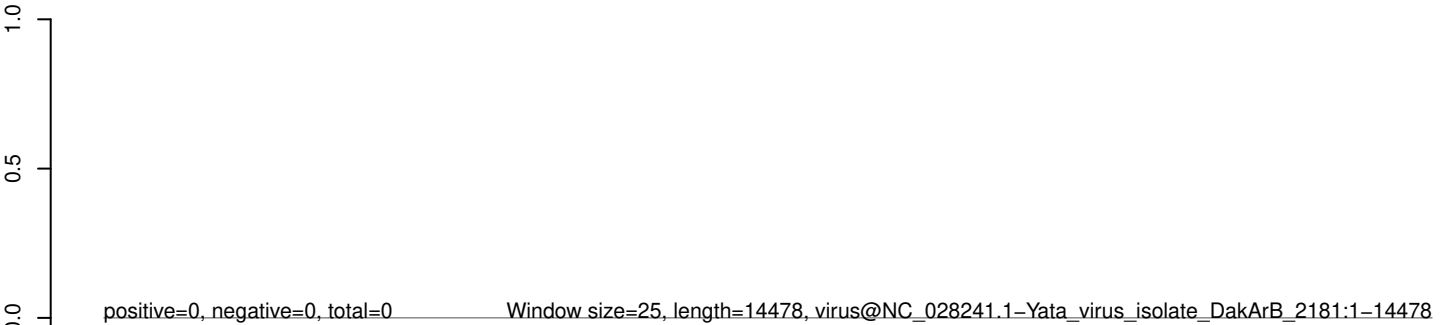
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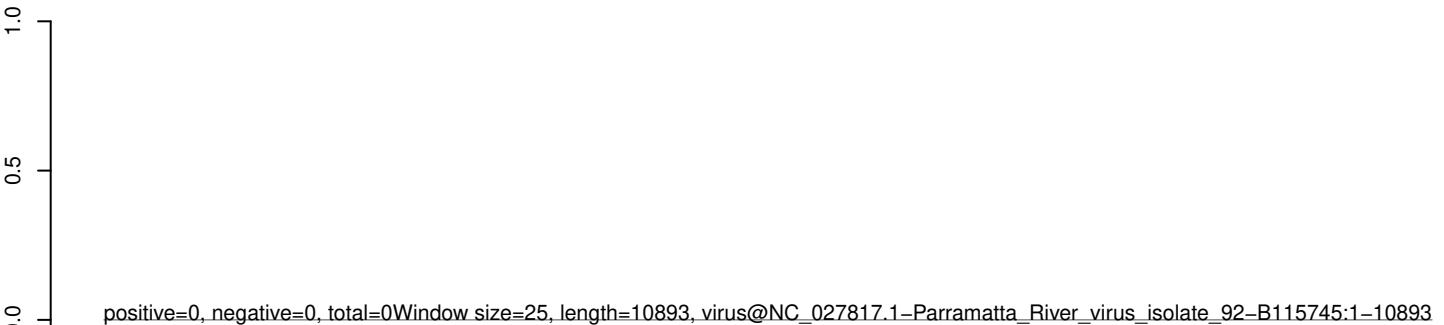
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**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



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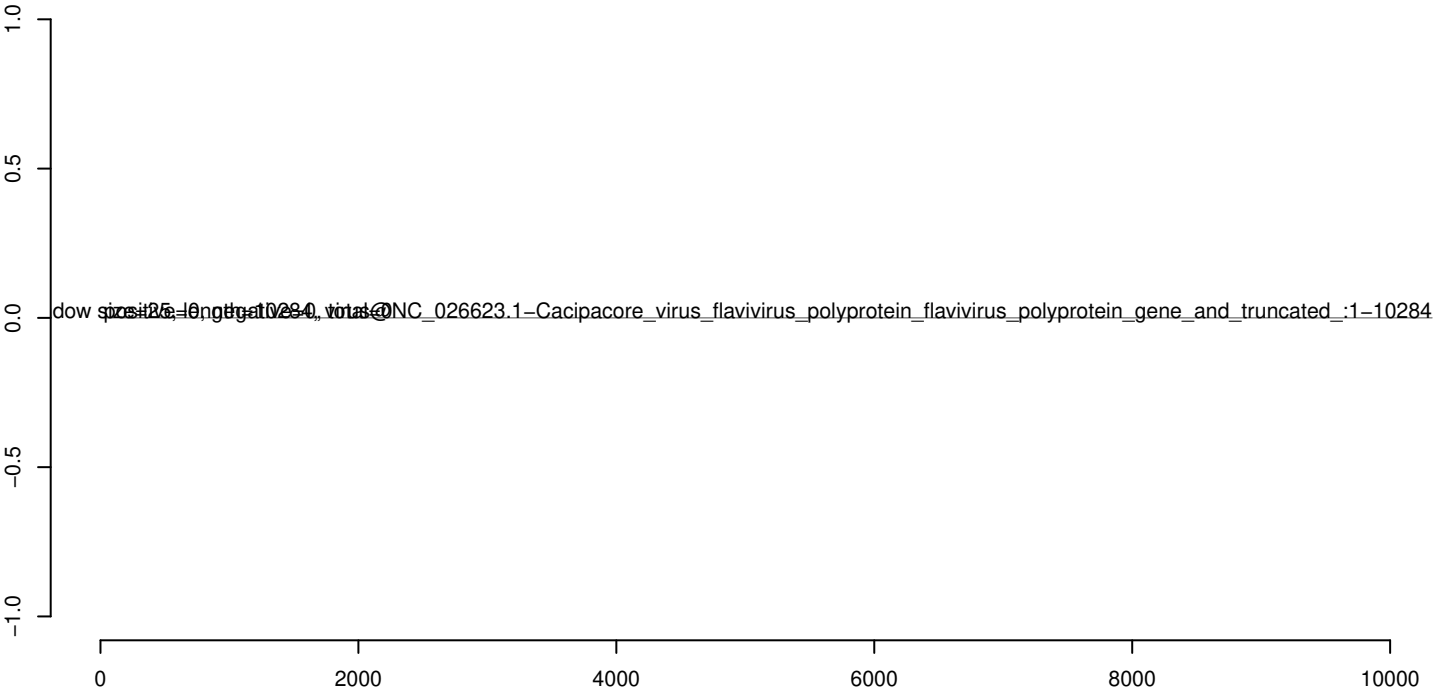
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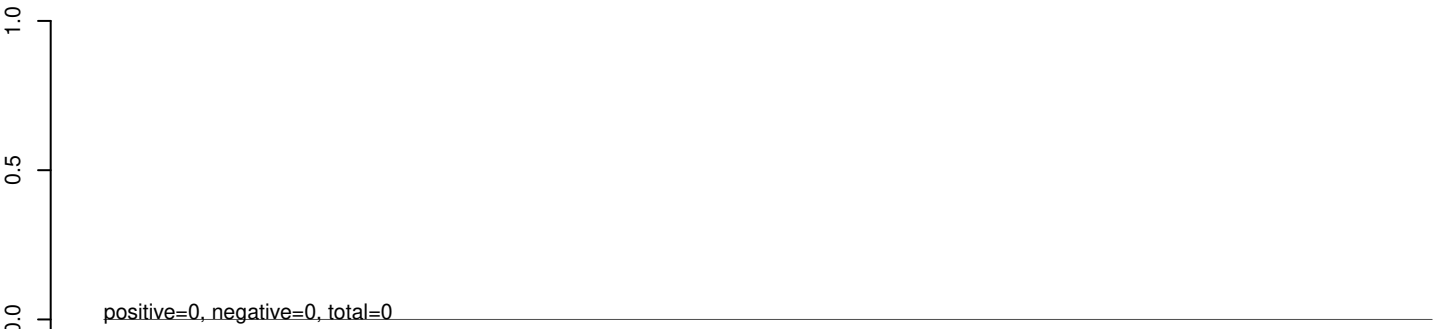
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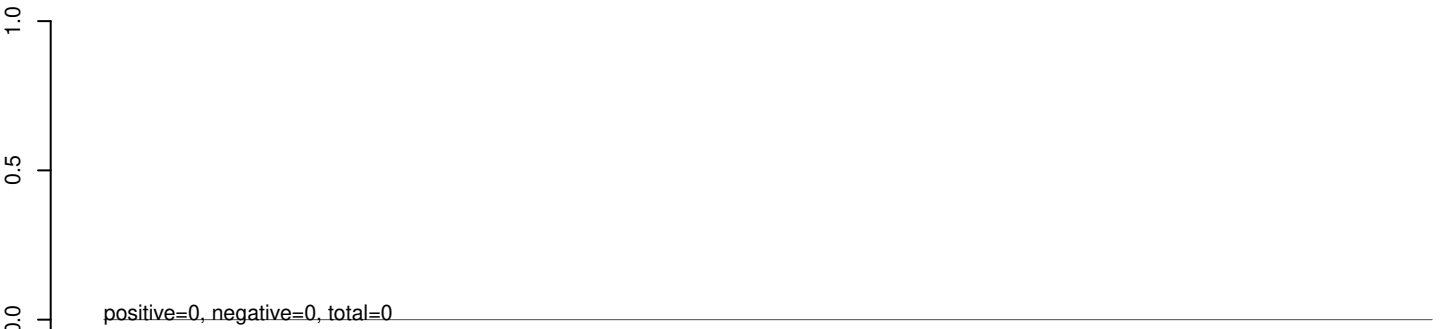
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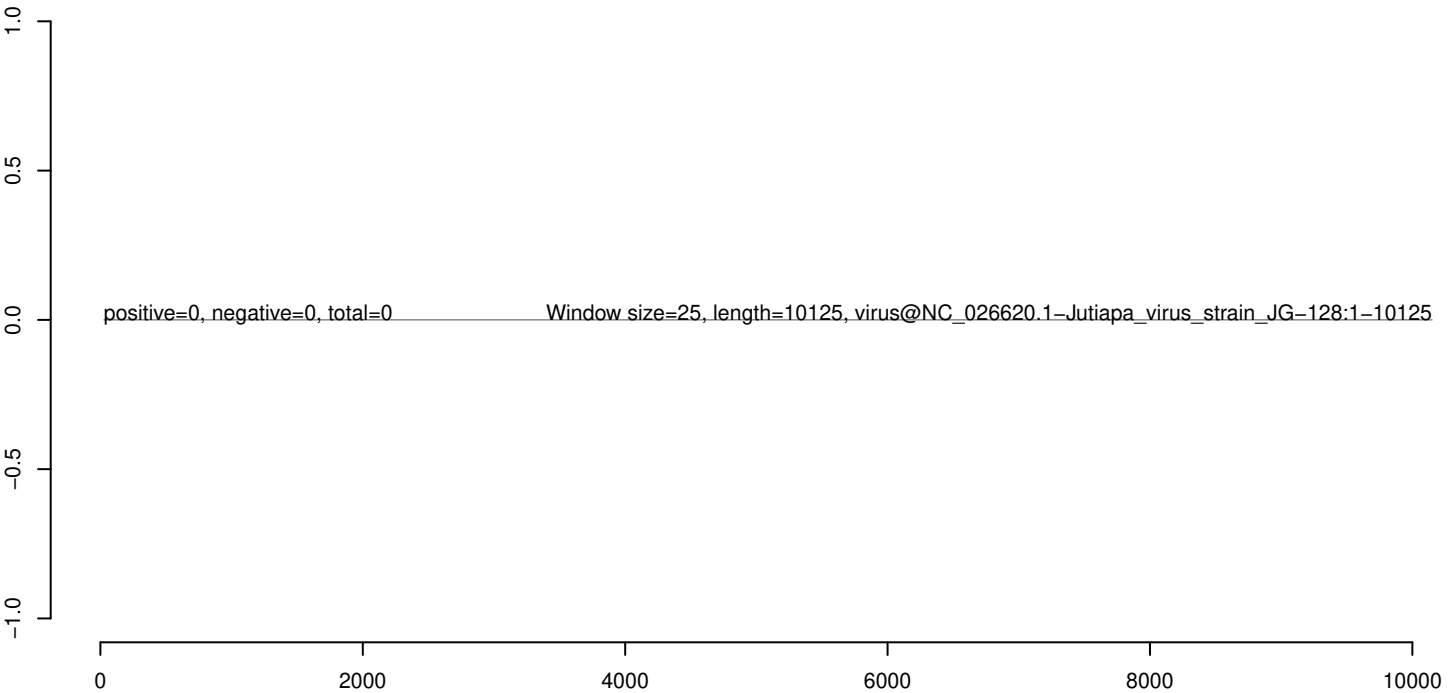
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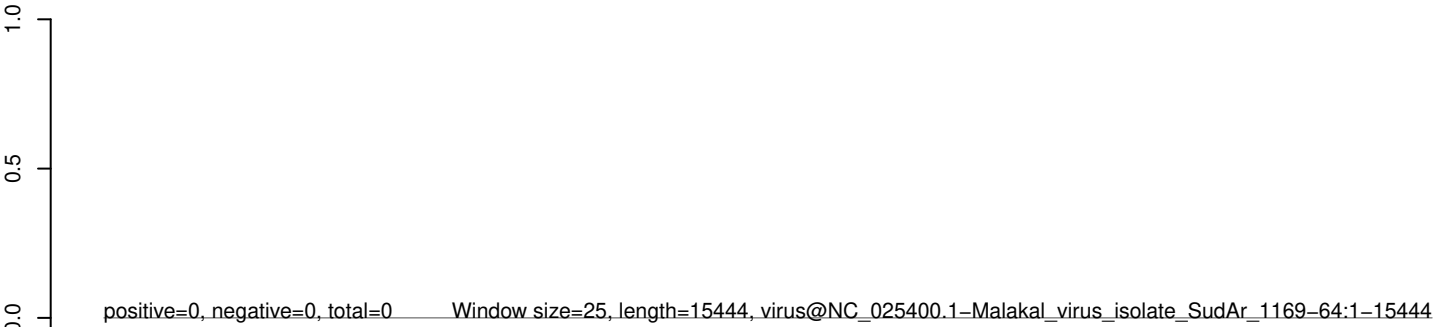
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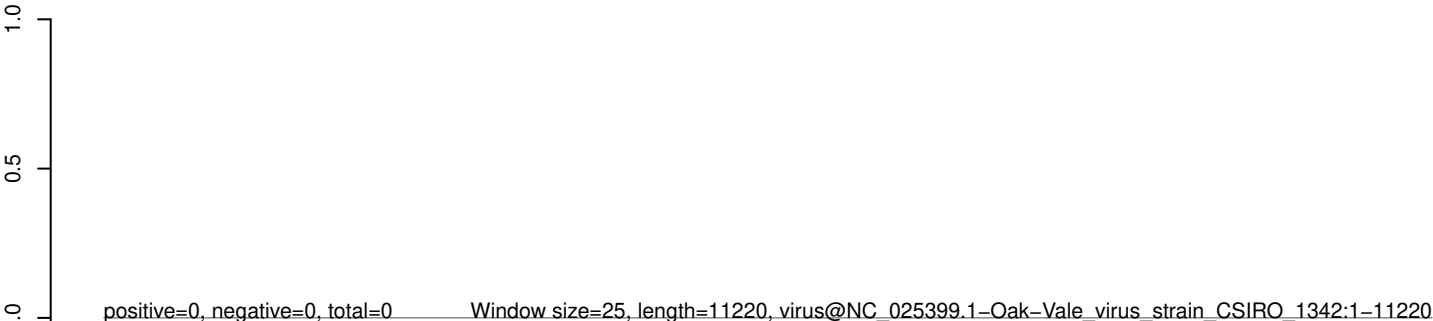
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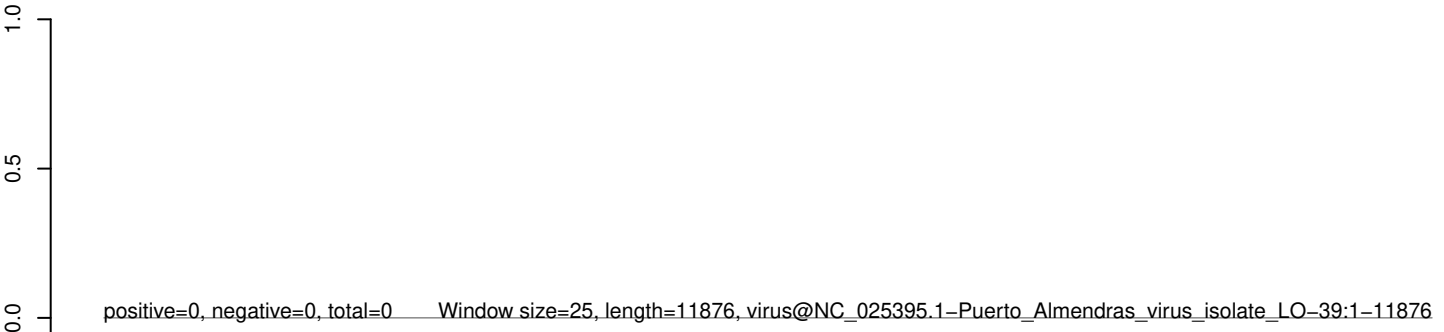
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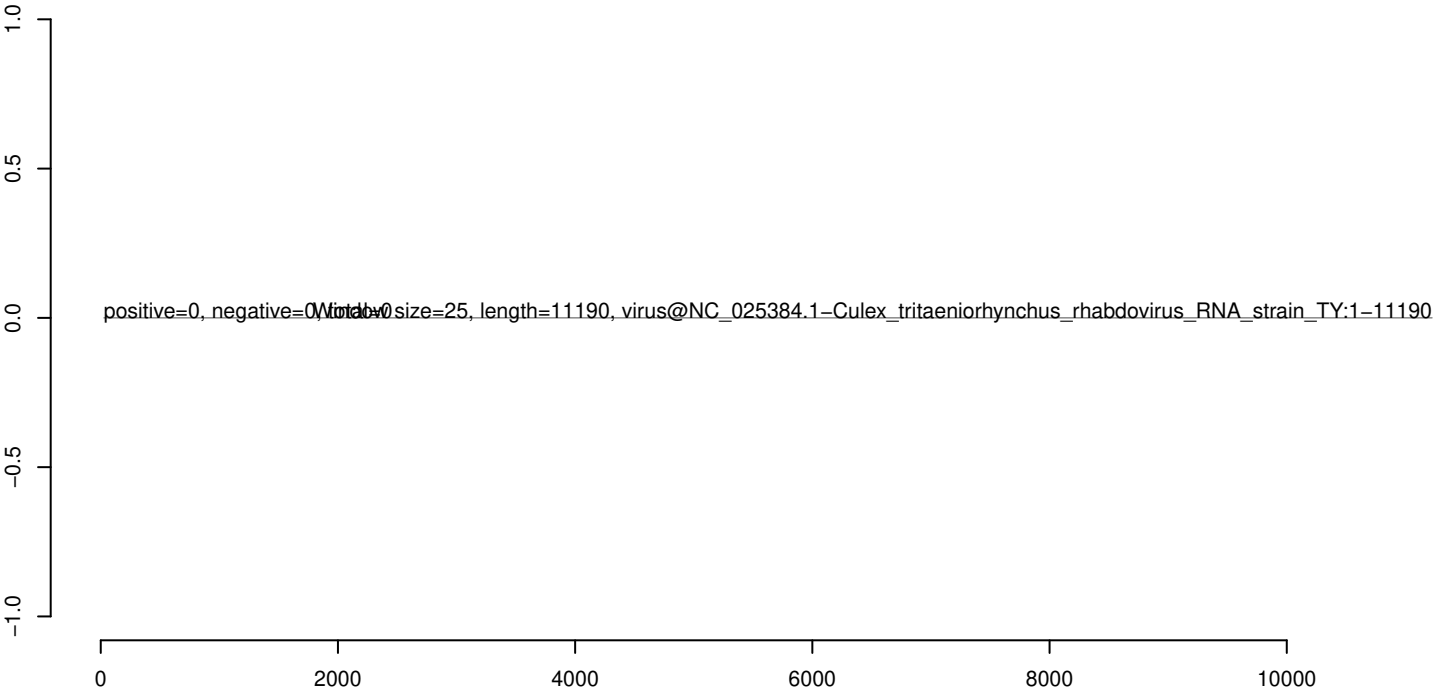
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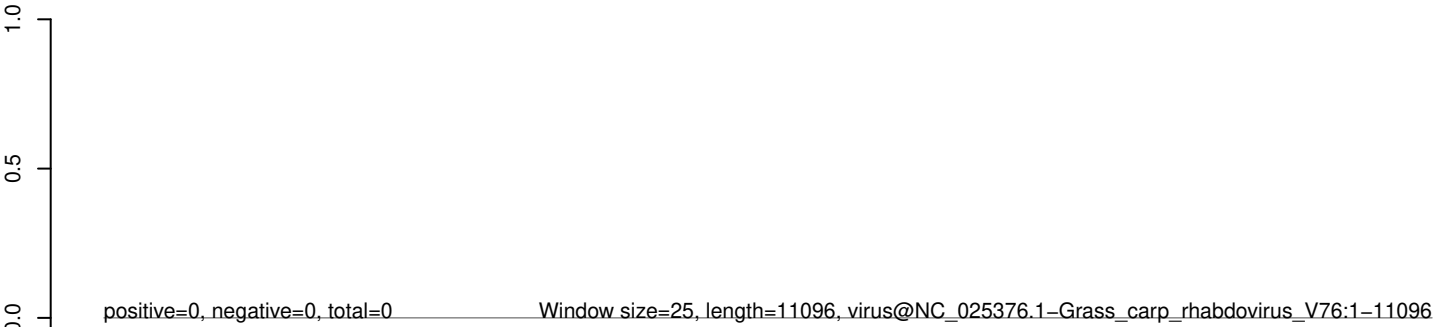
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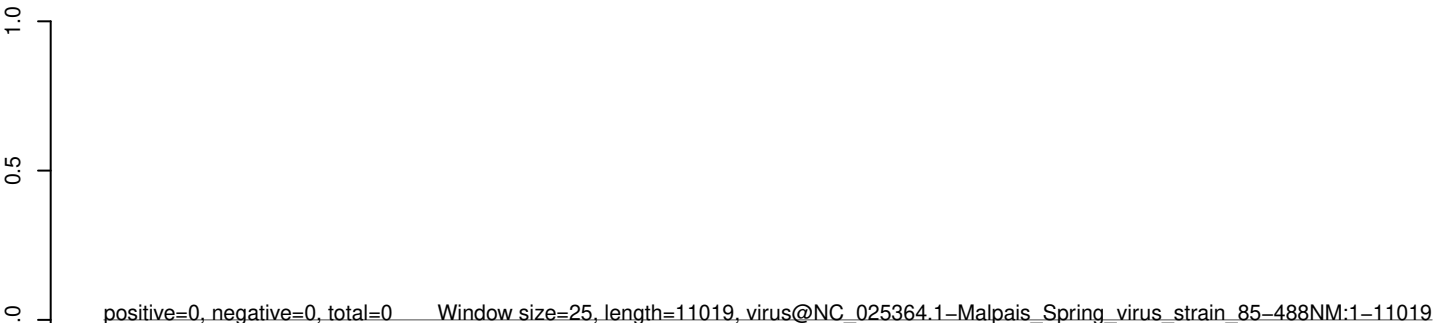
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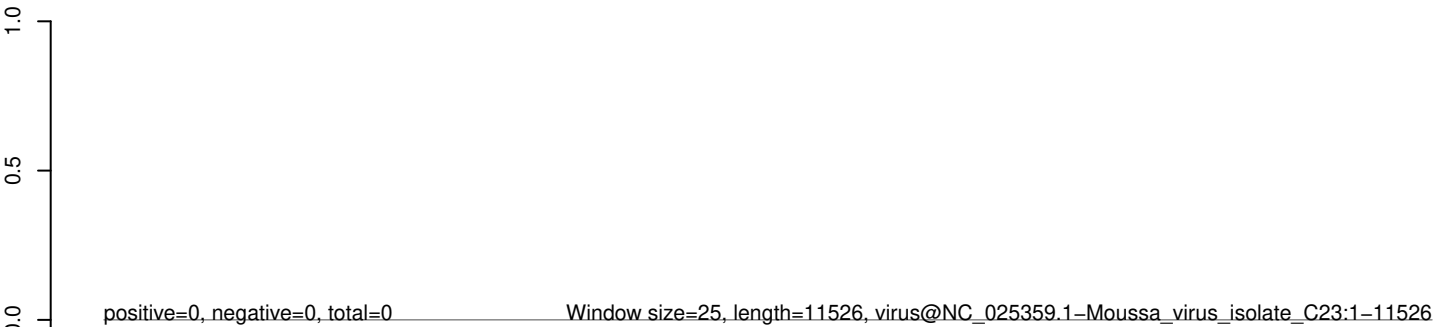
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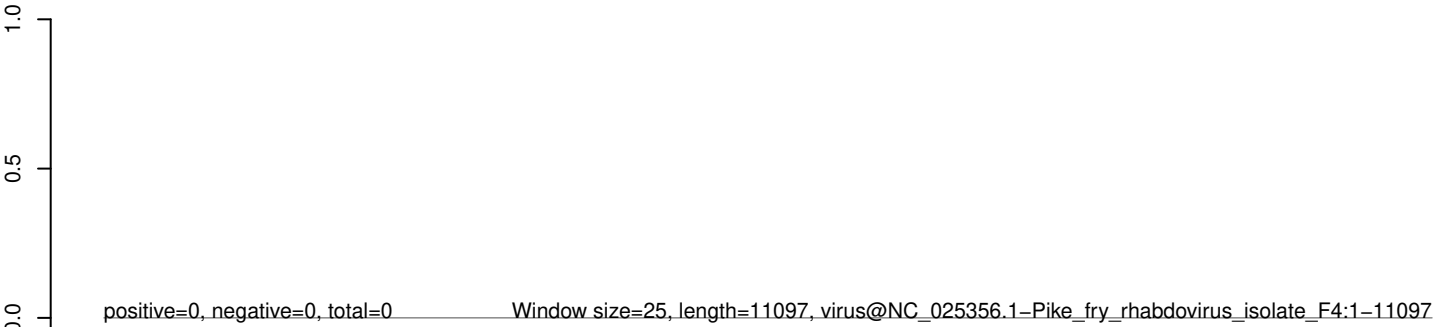
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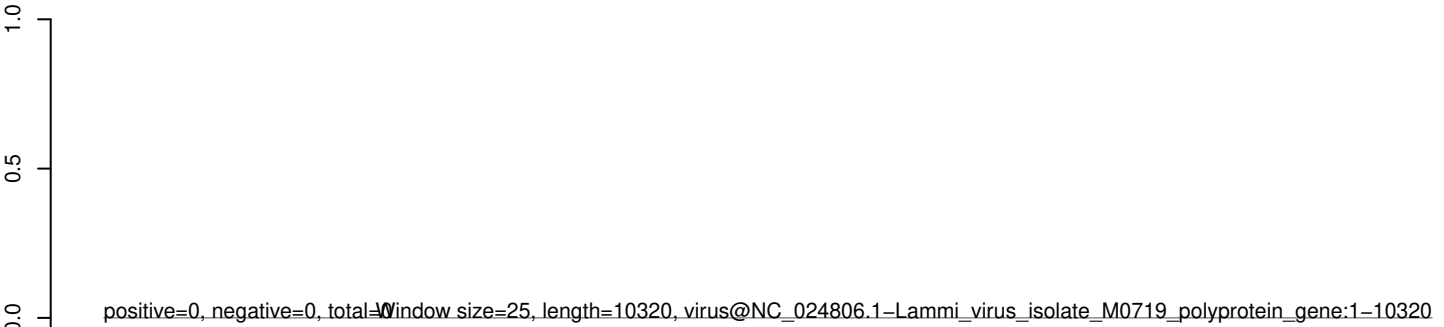
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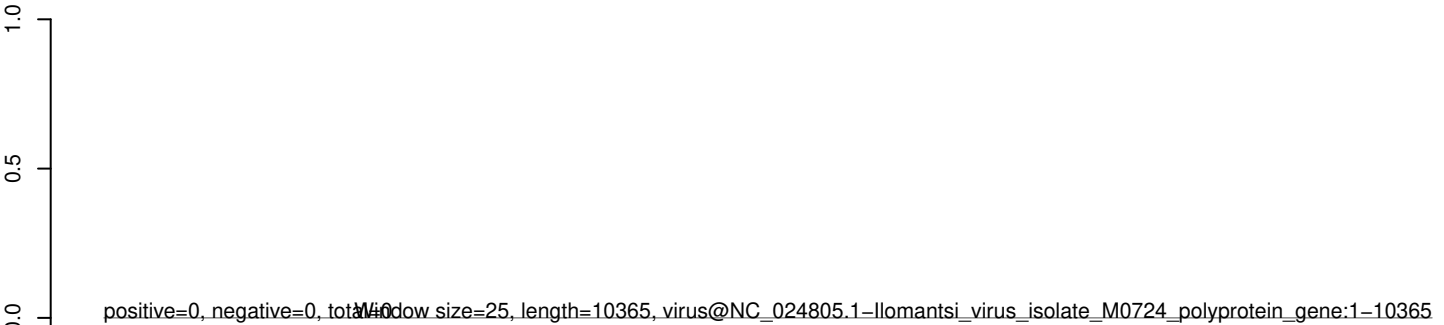
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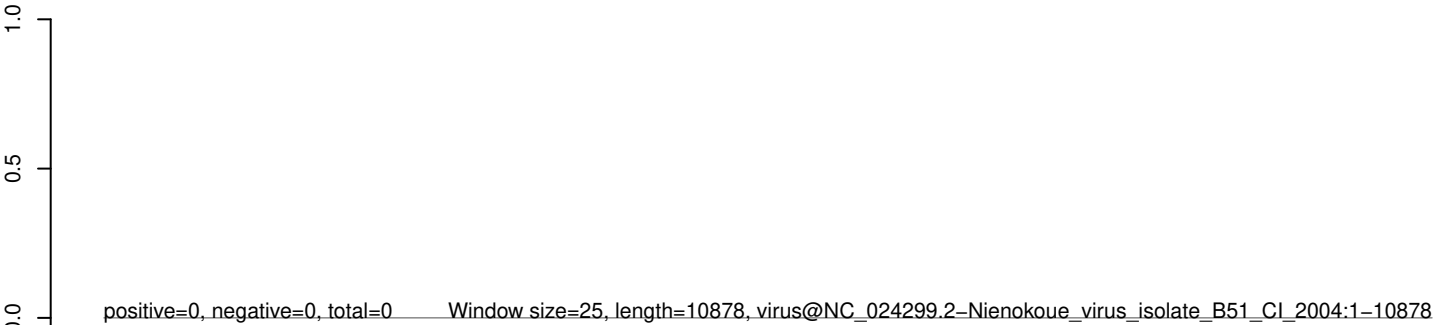
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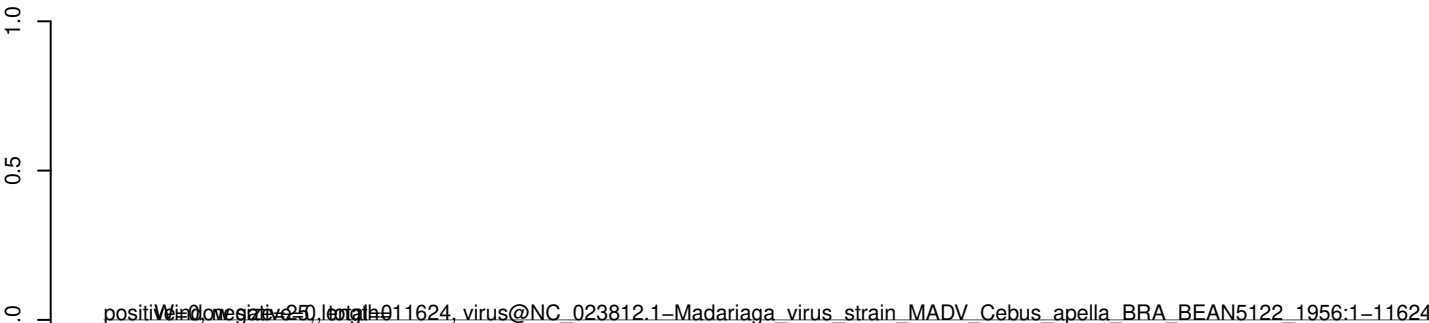
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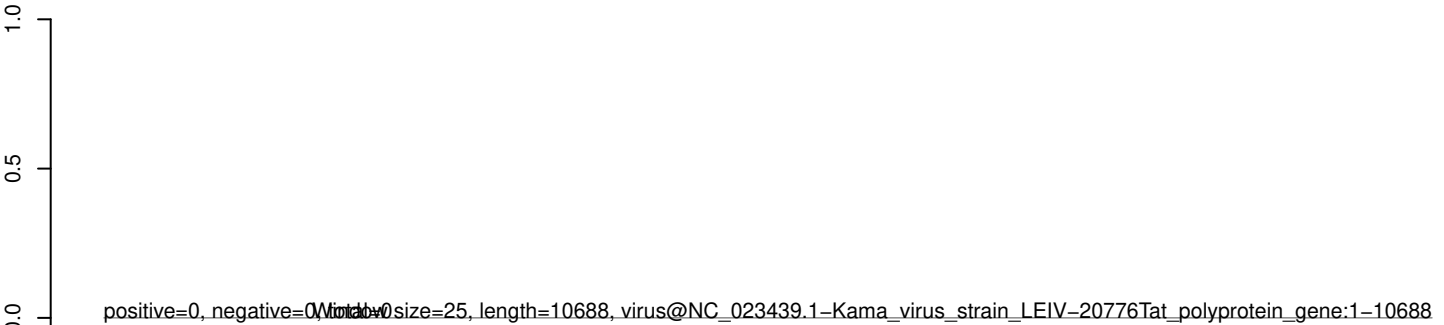
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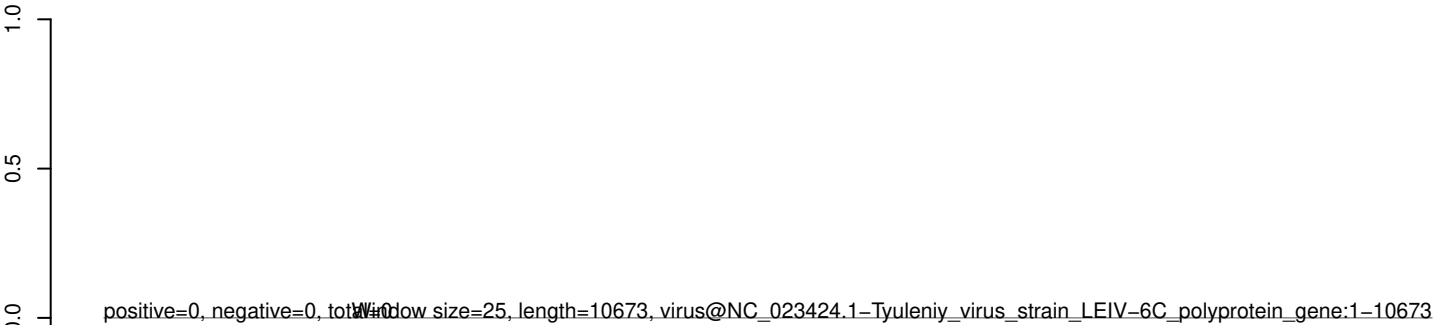
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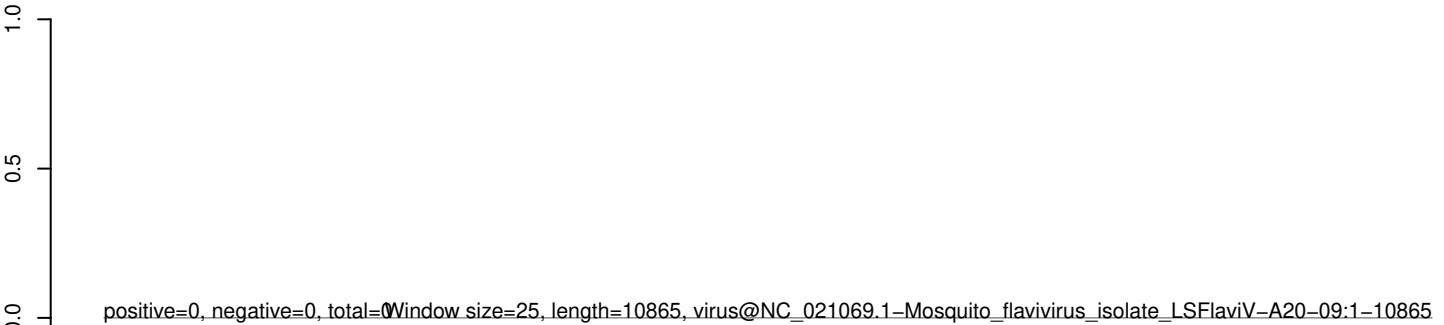
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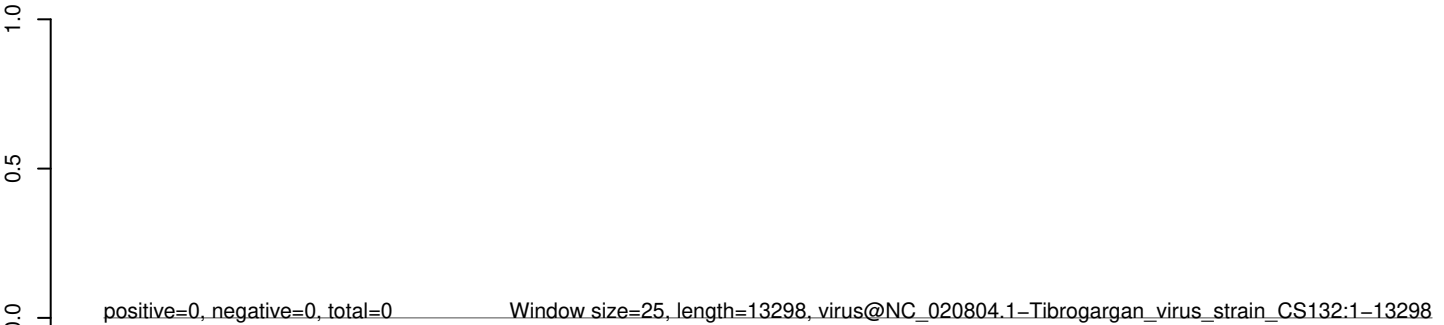
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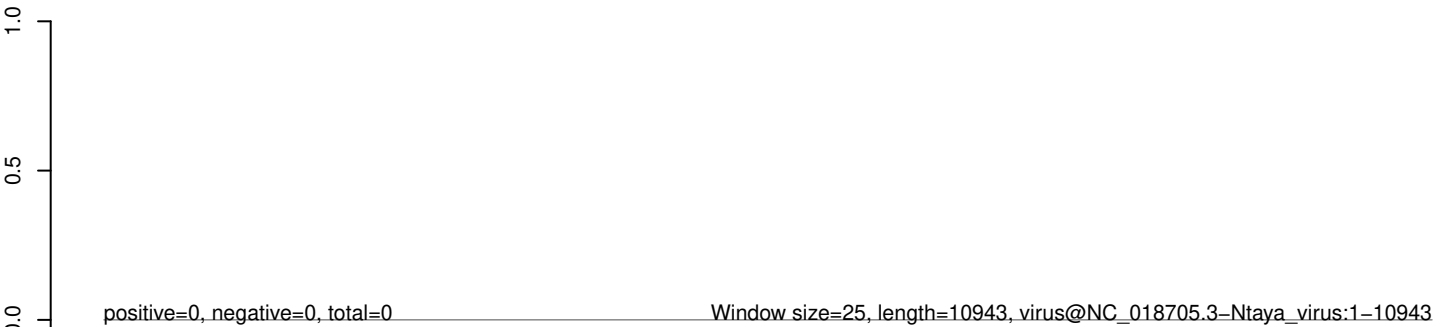
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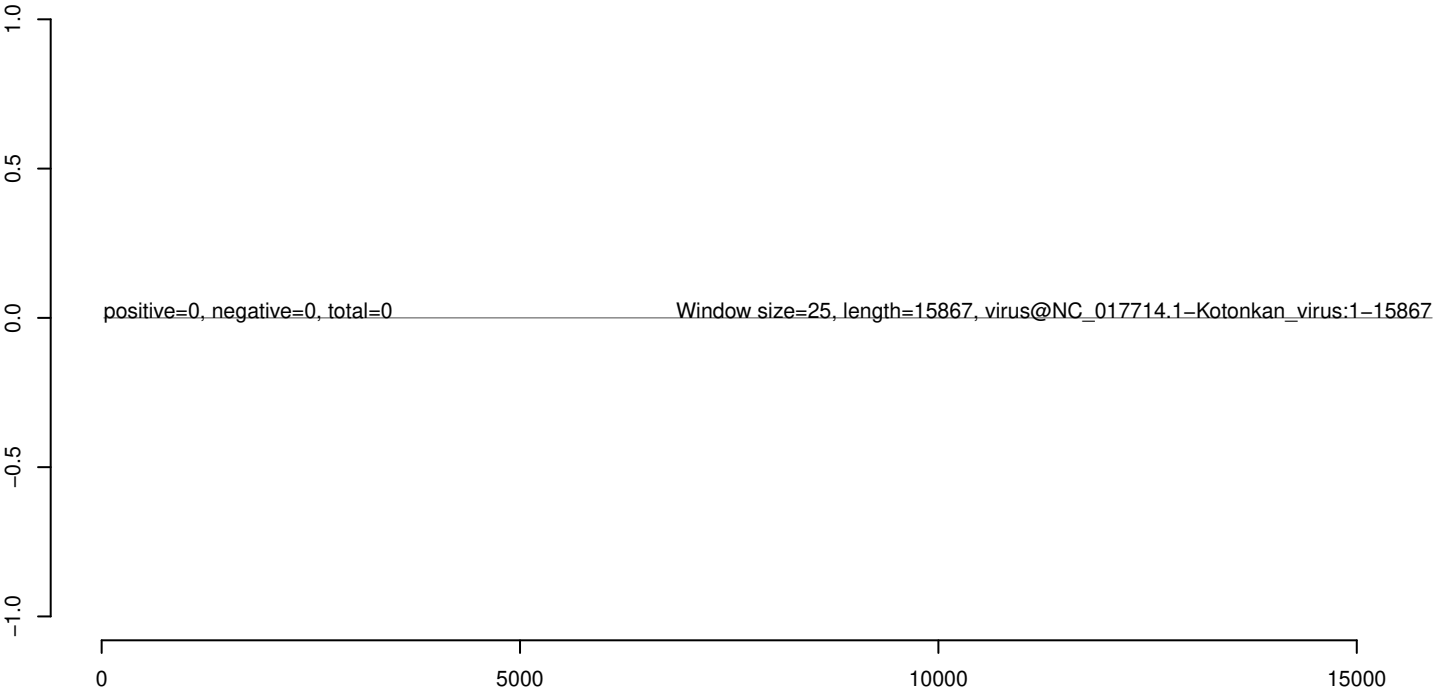
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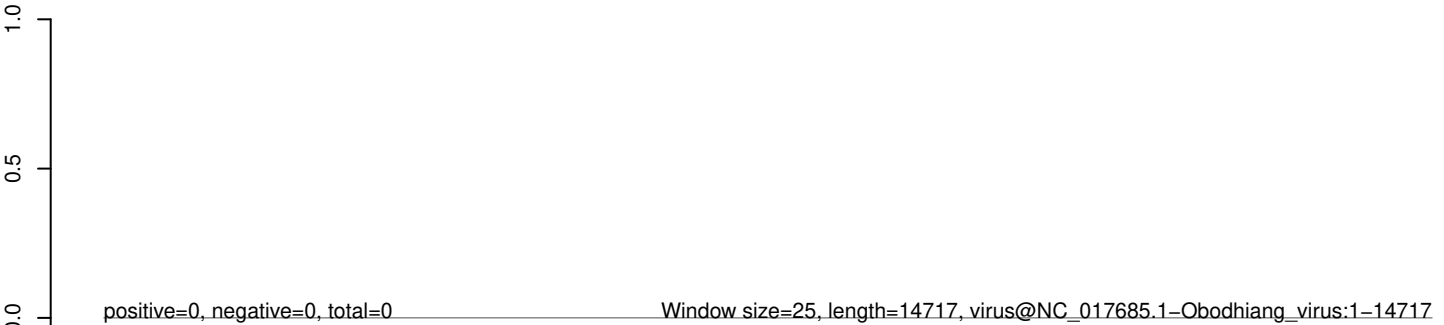
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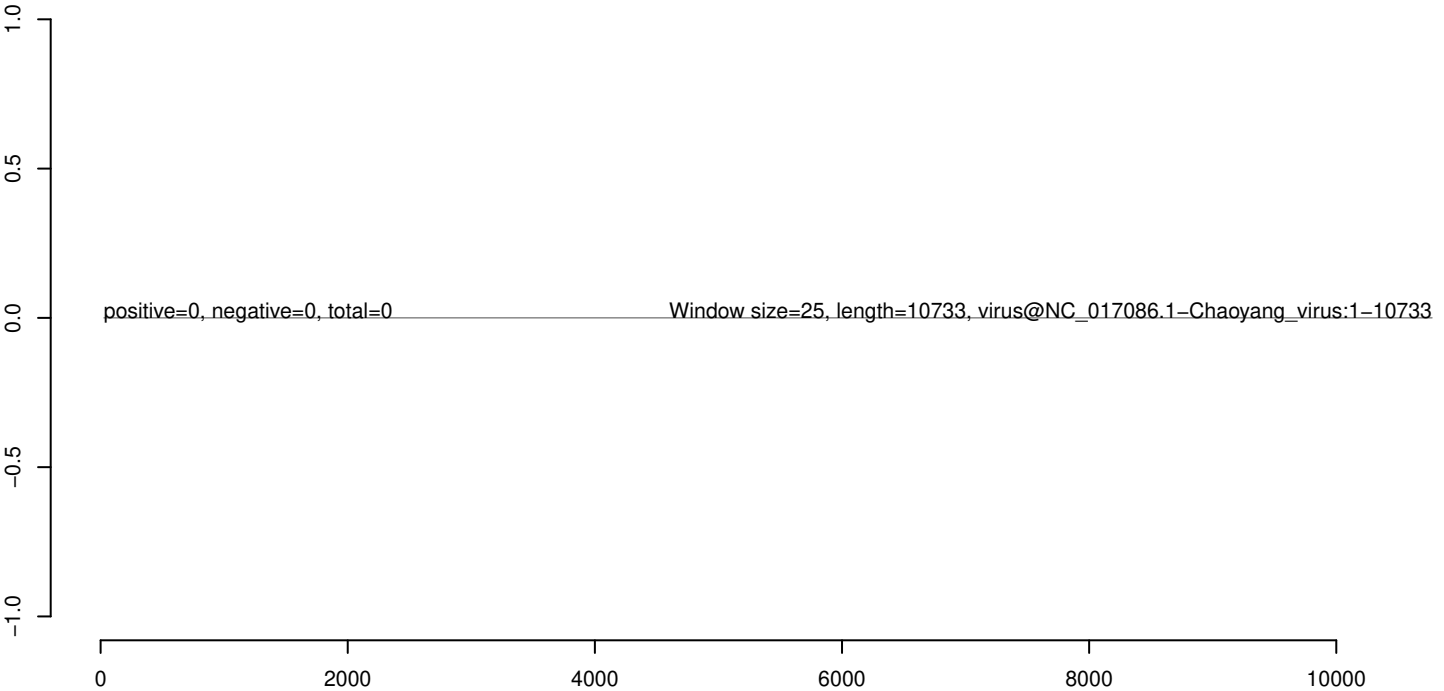
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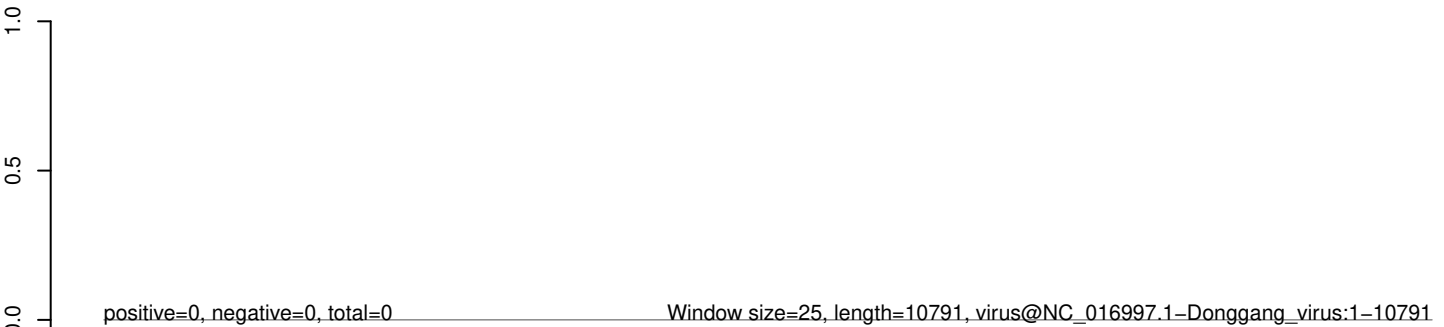
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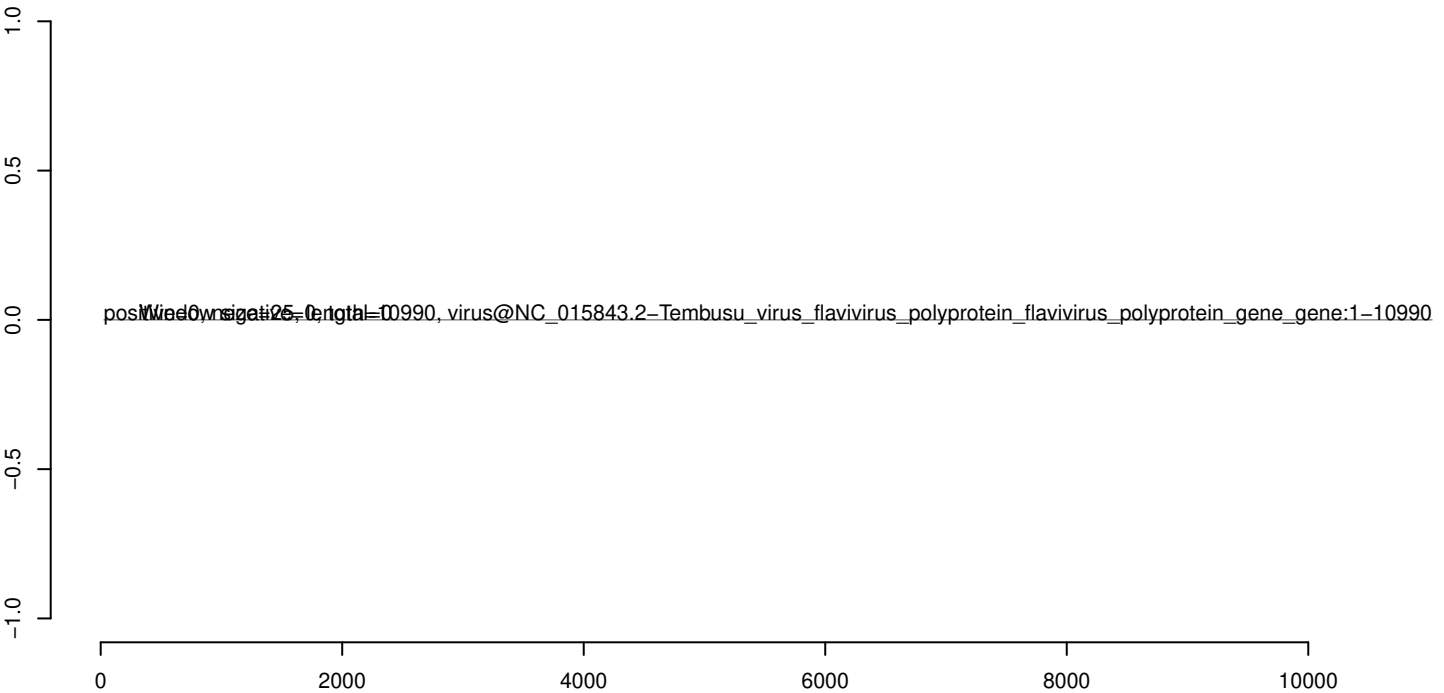
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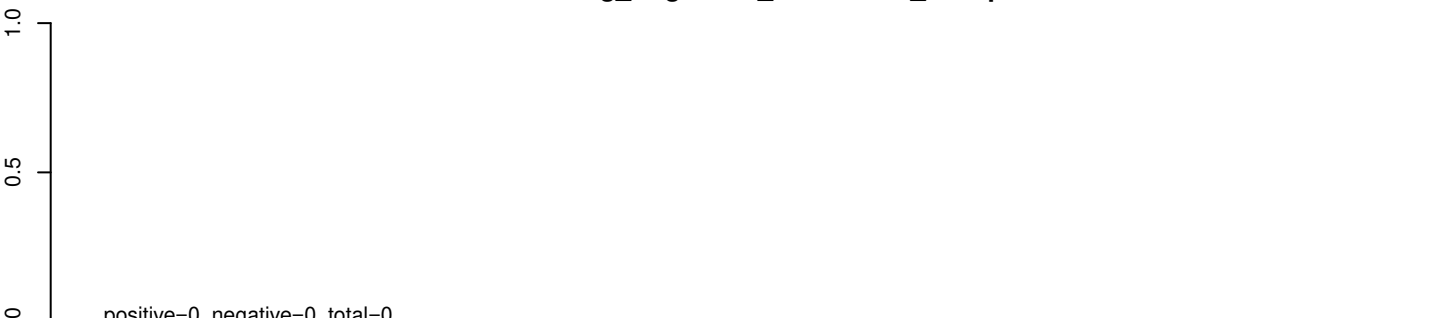
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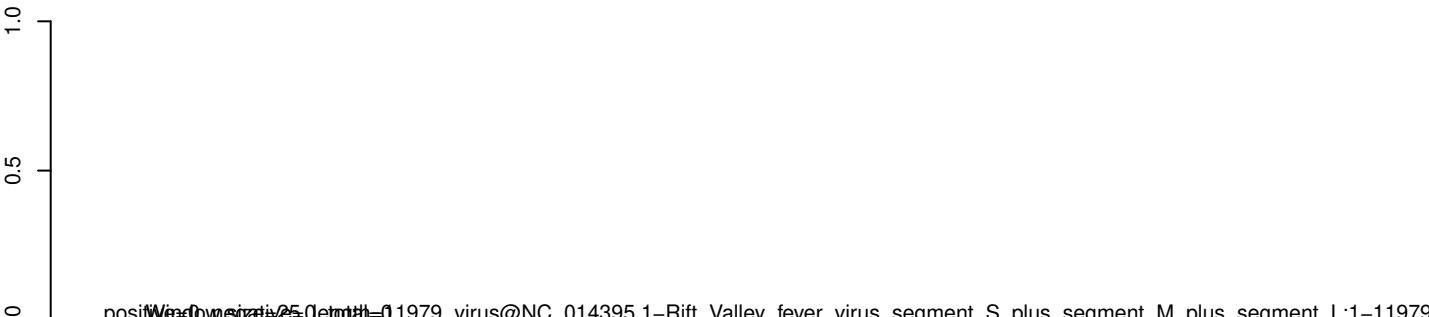
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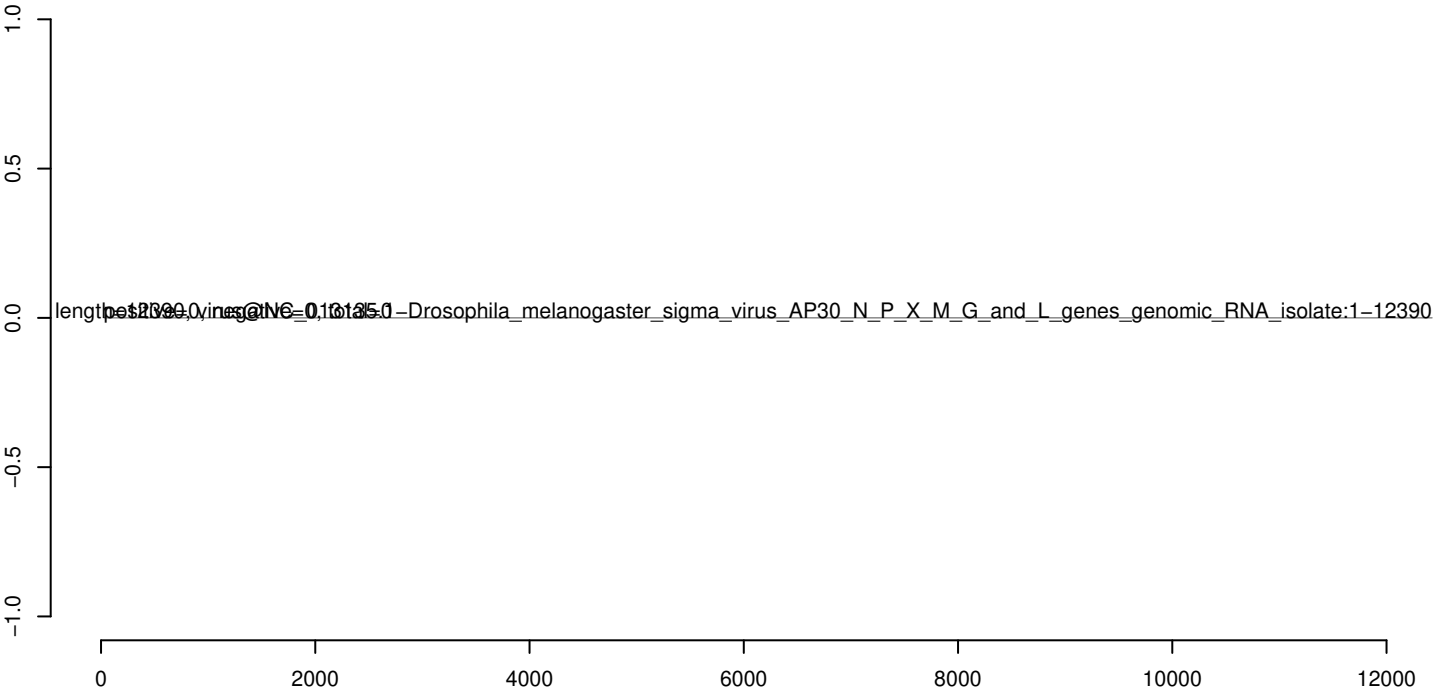
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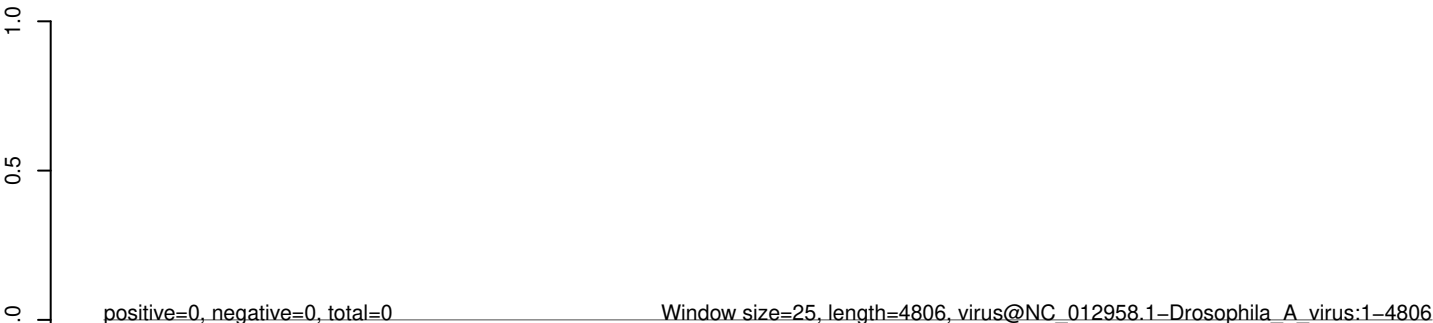
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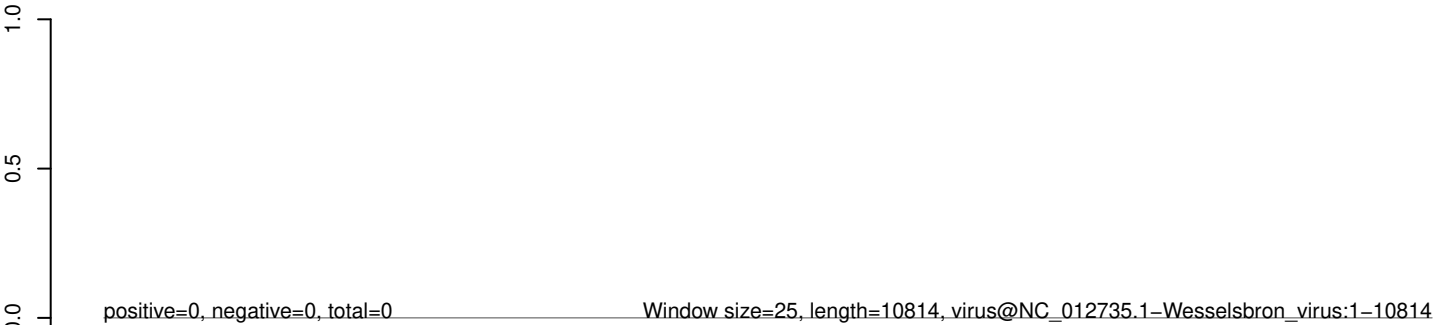
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**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



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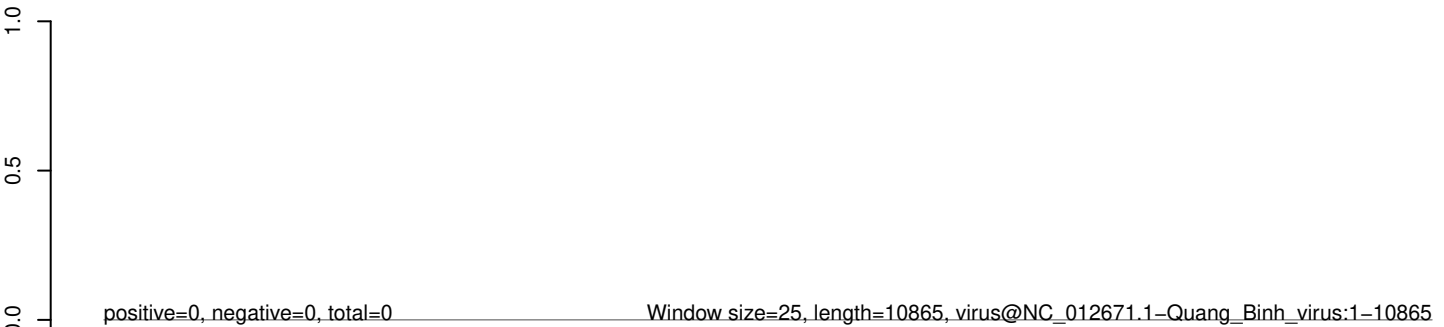
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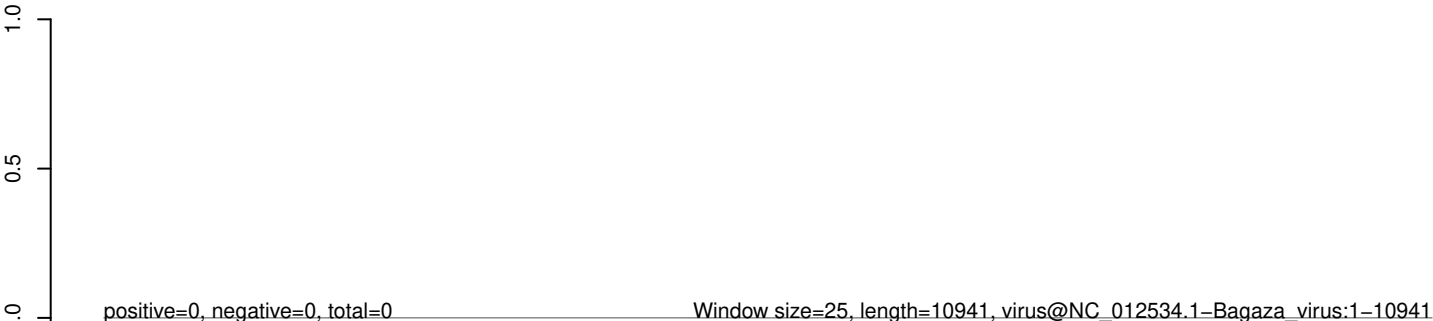
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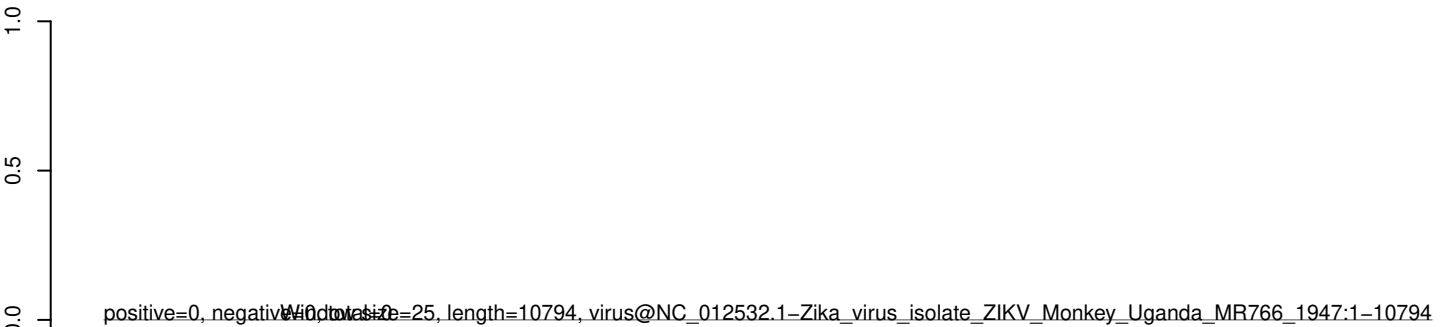
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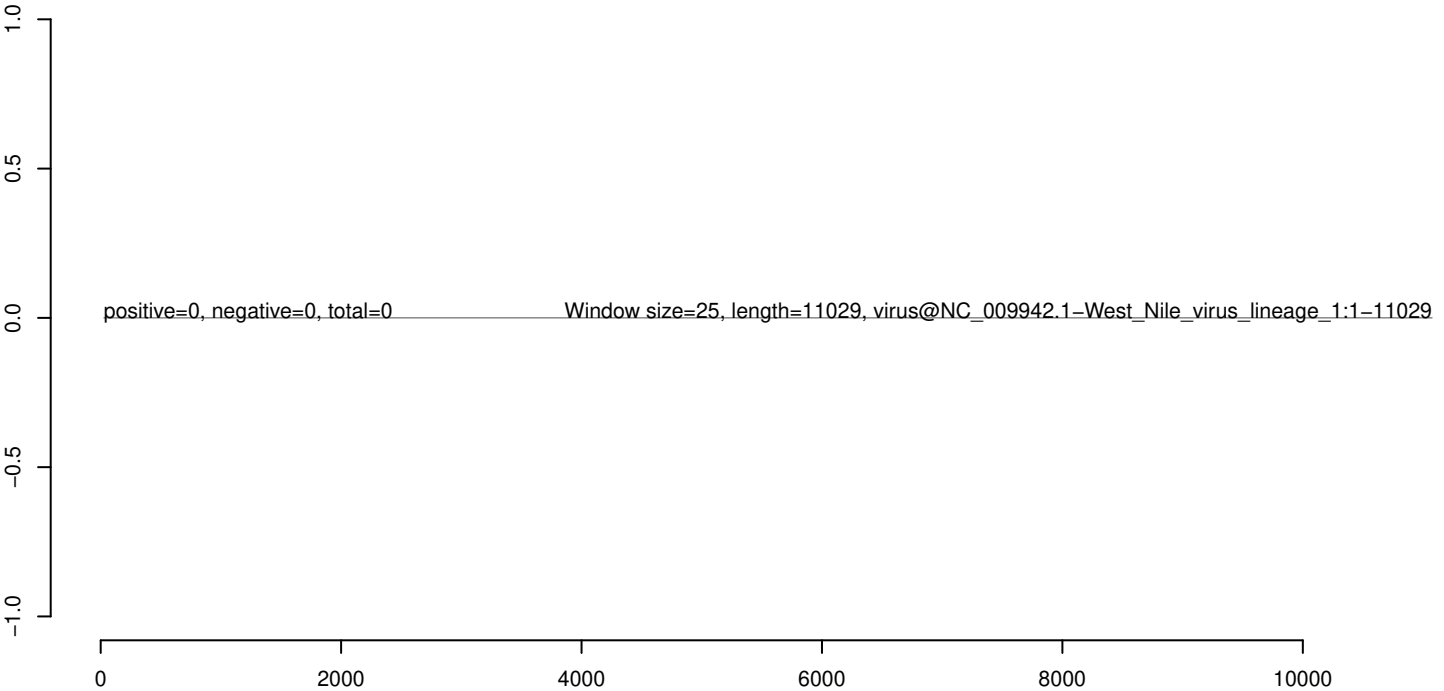
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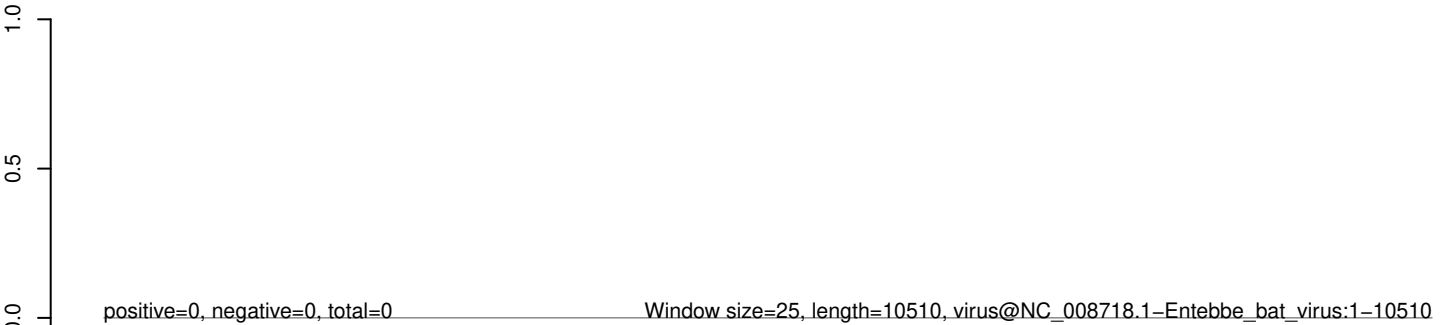
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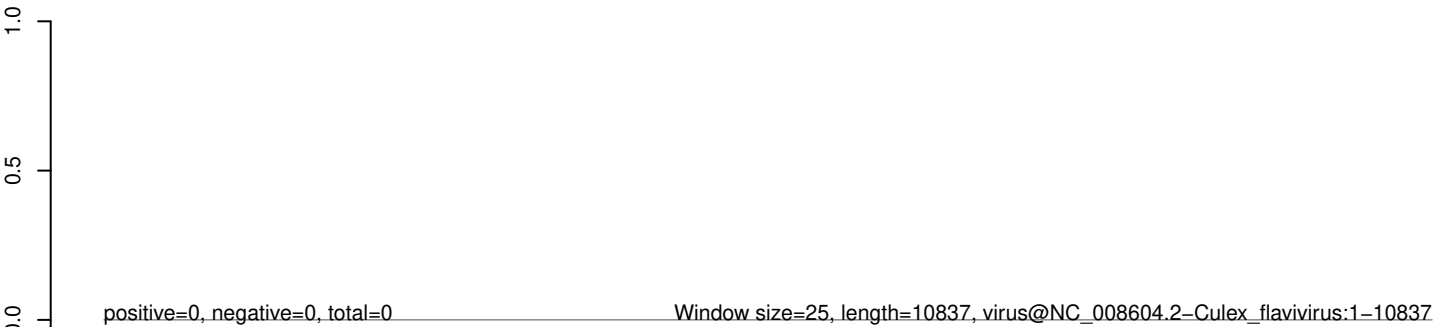
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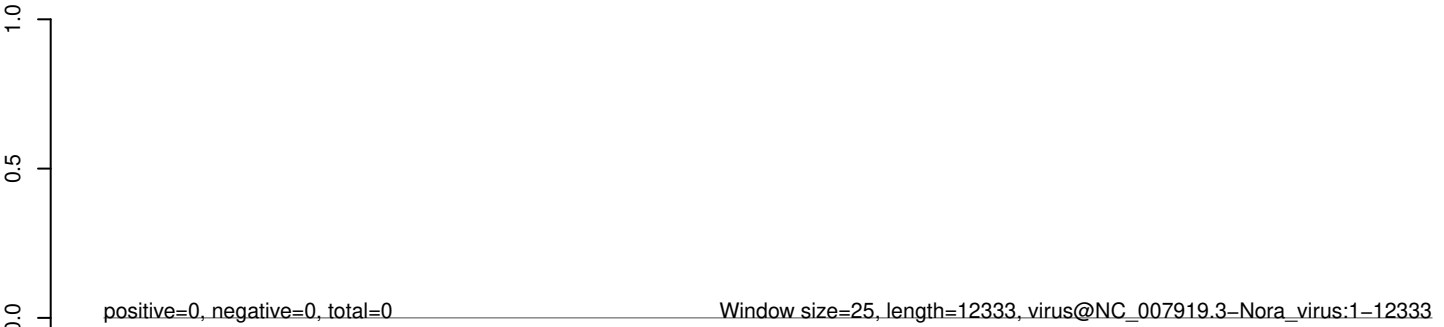
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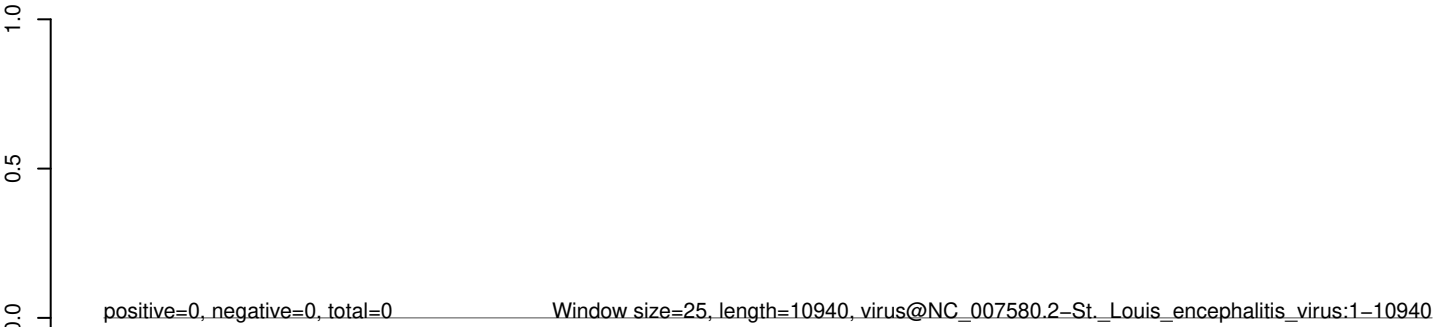
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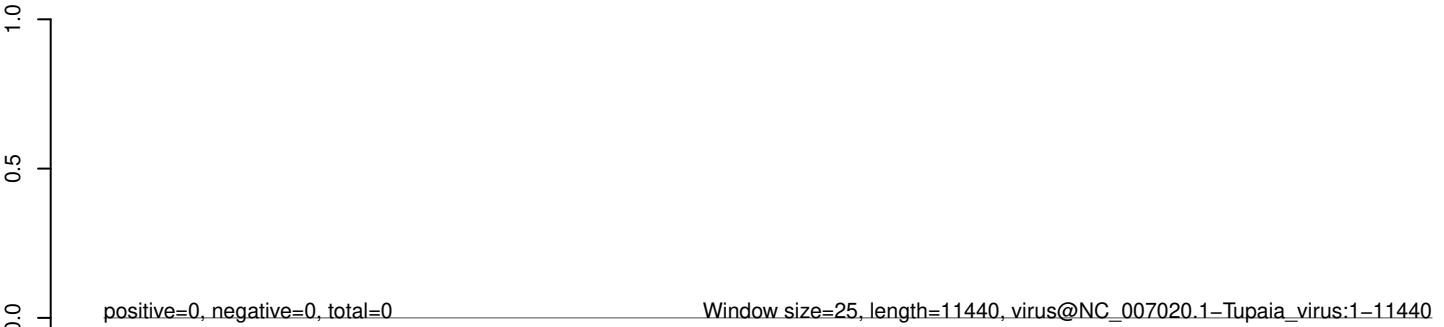
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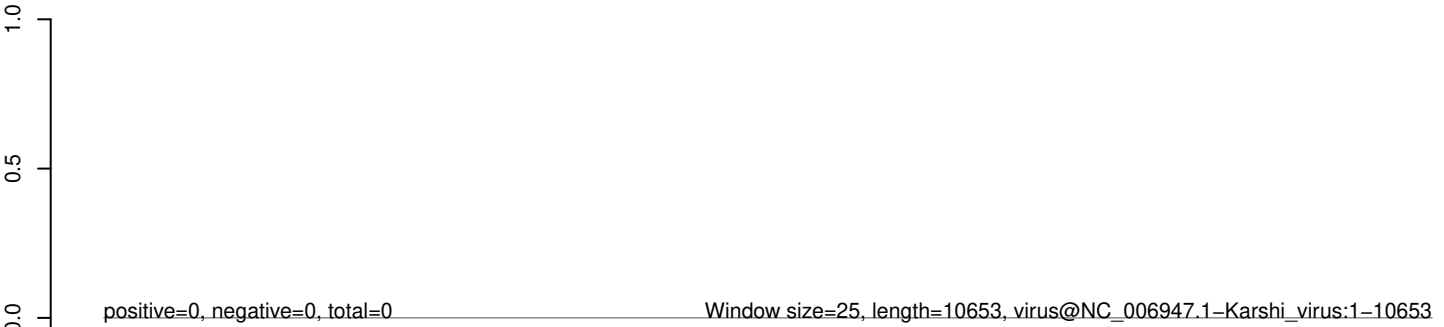
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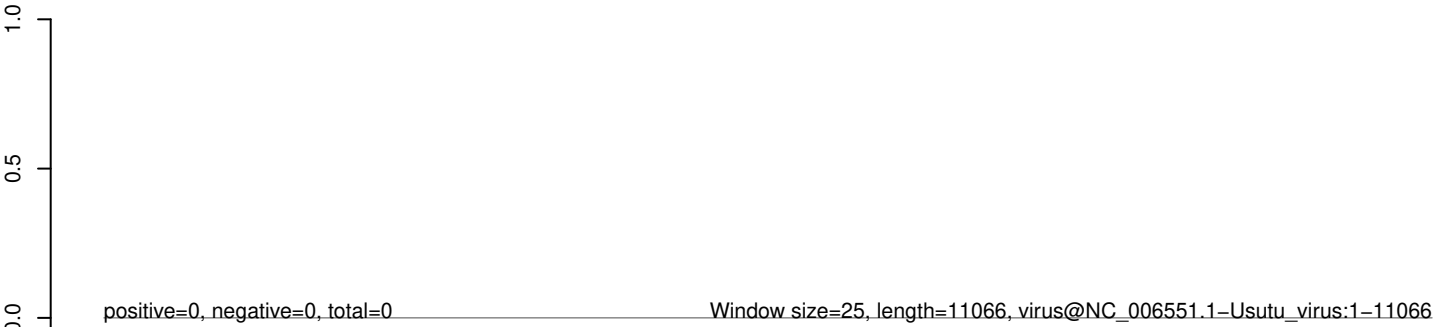
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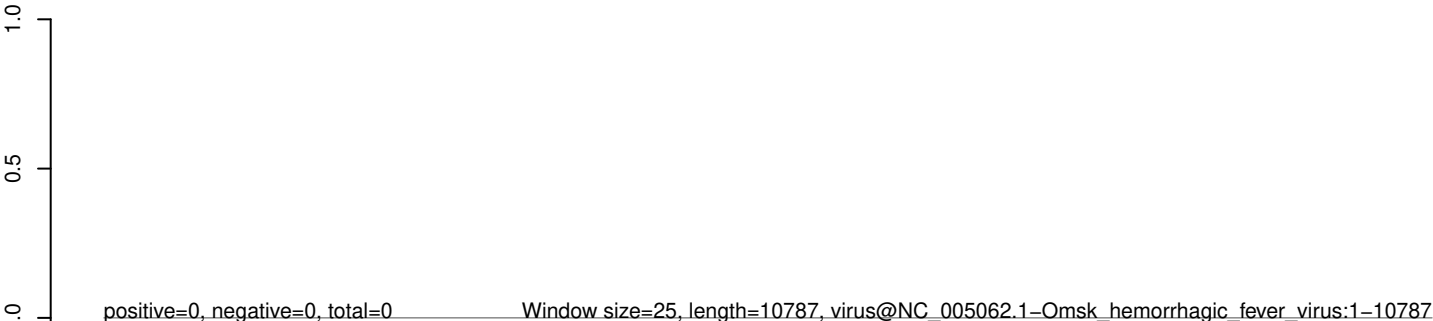
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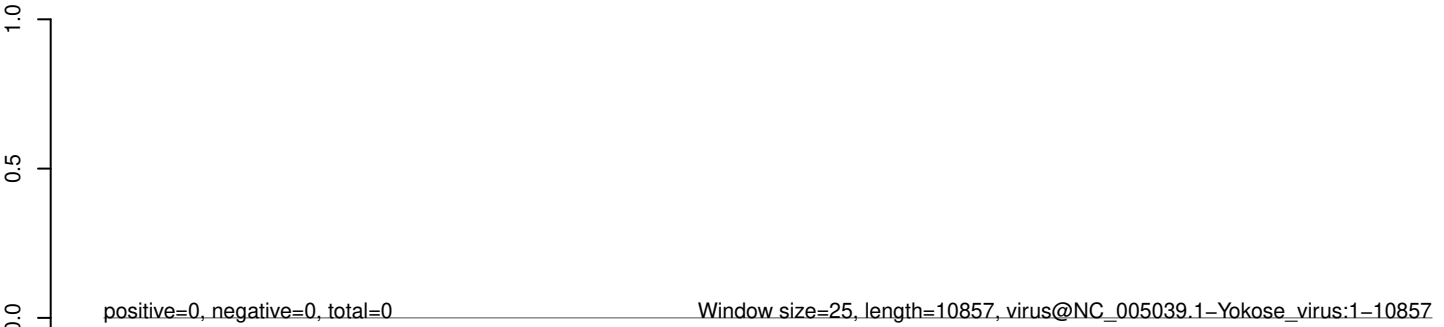
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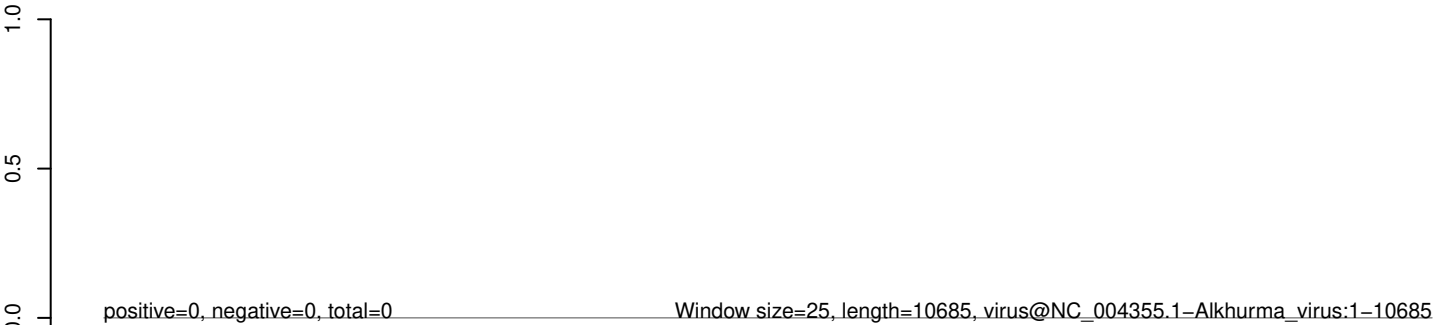
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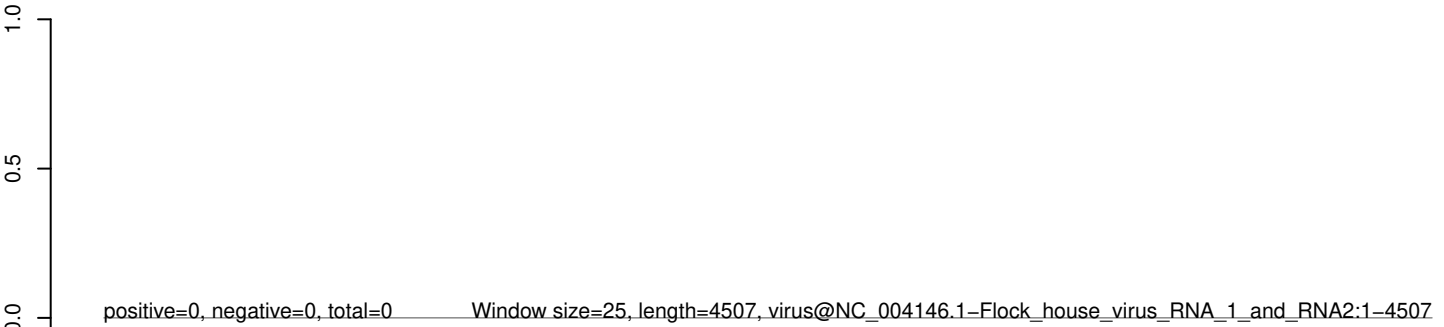
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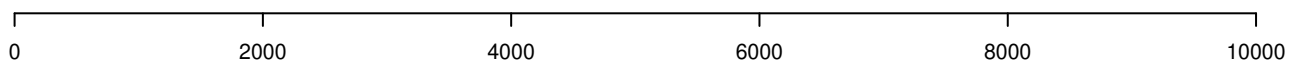
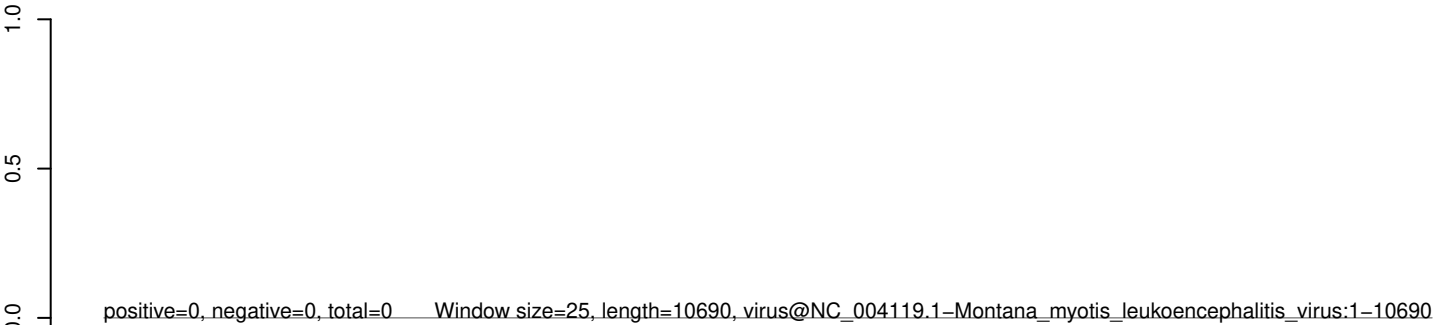
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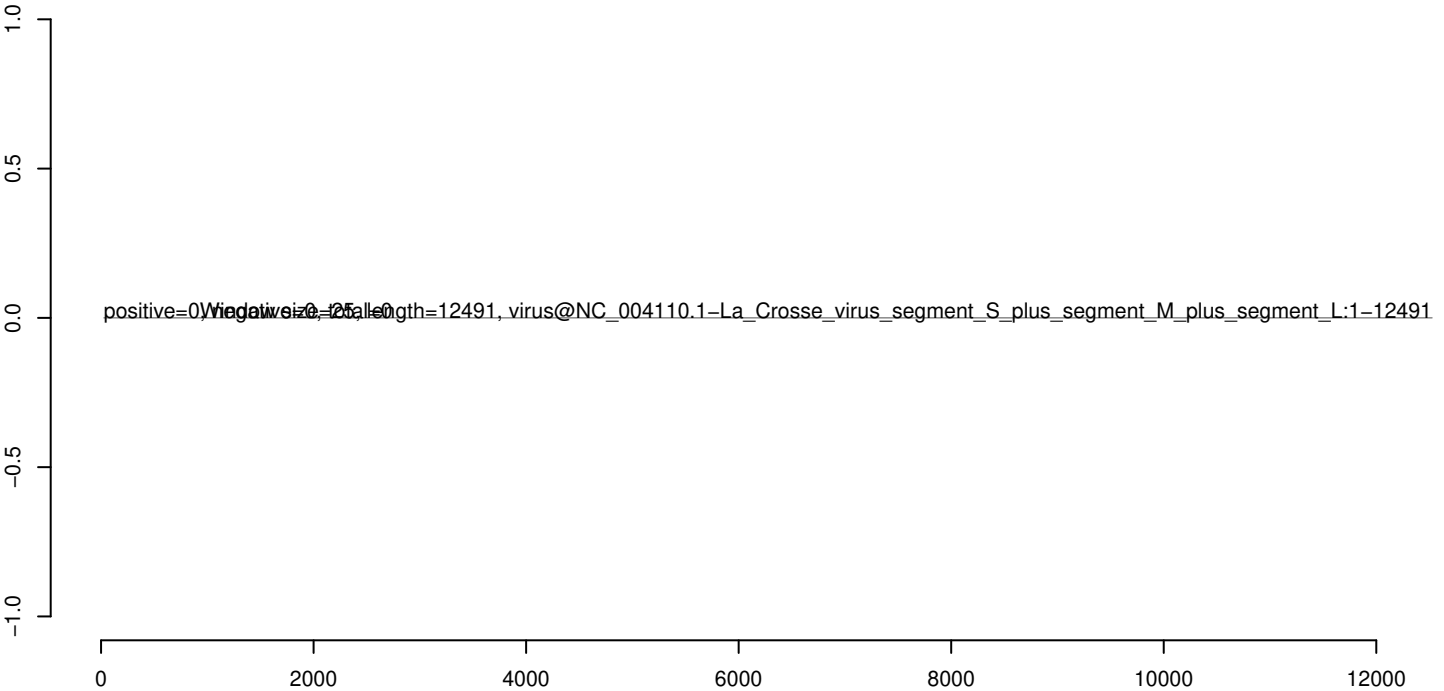
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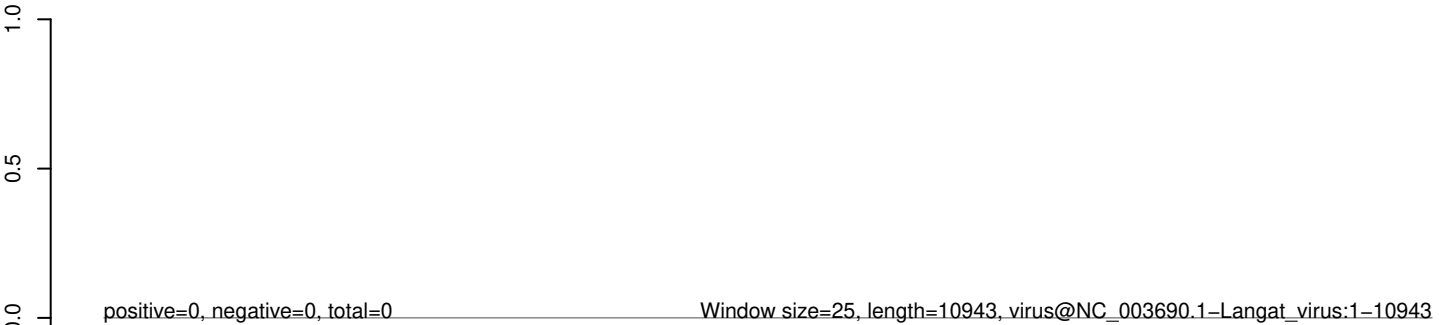
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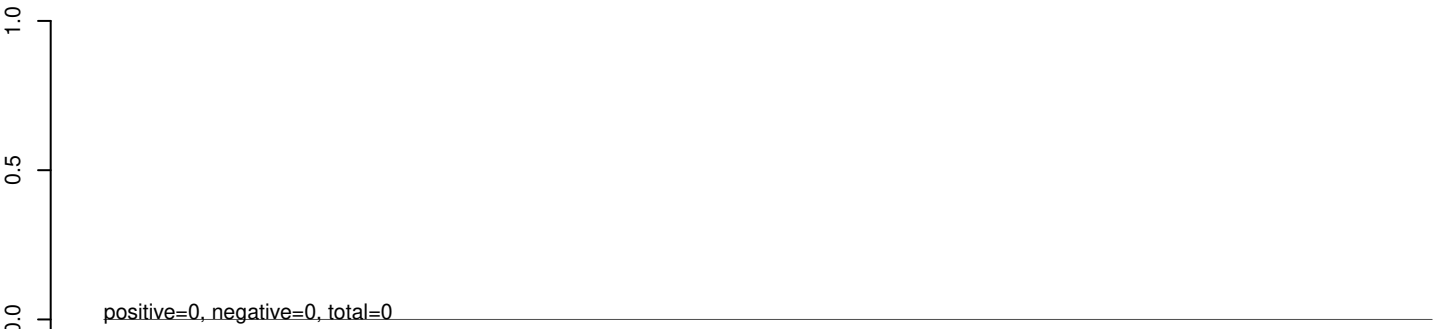


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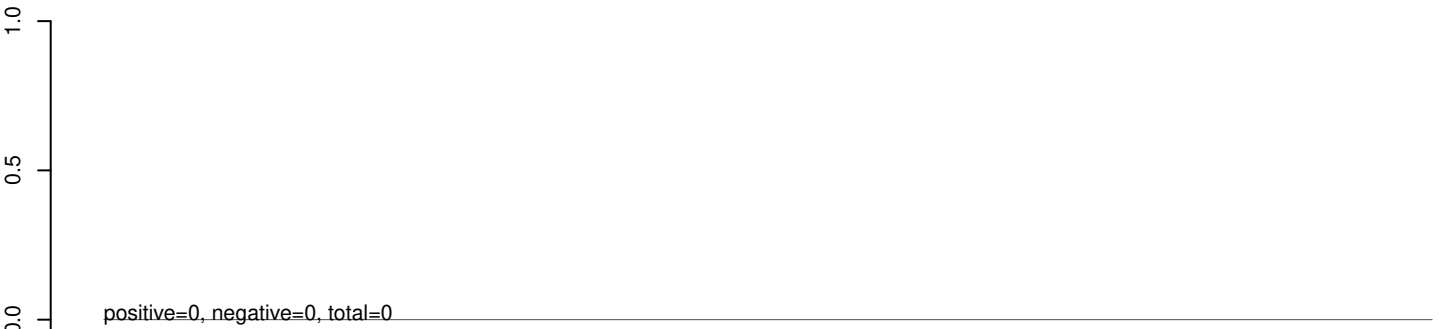


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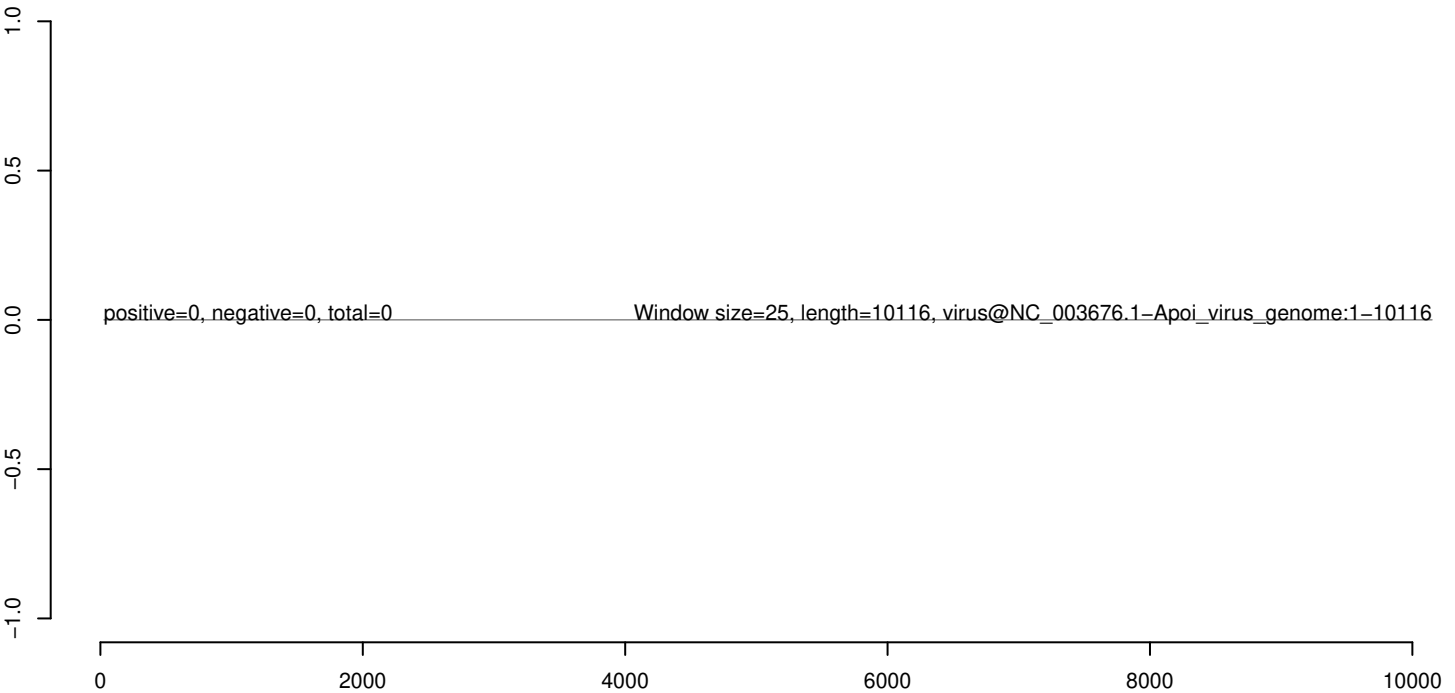
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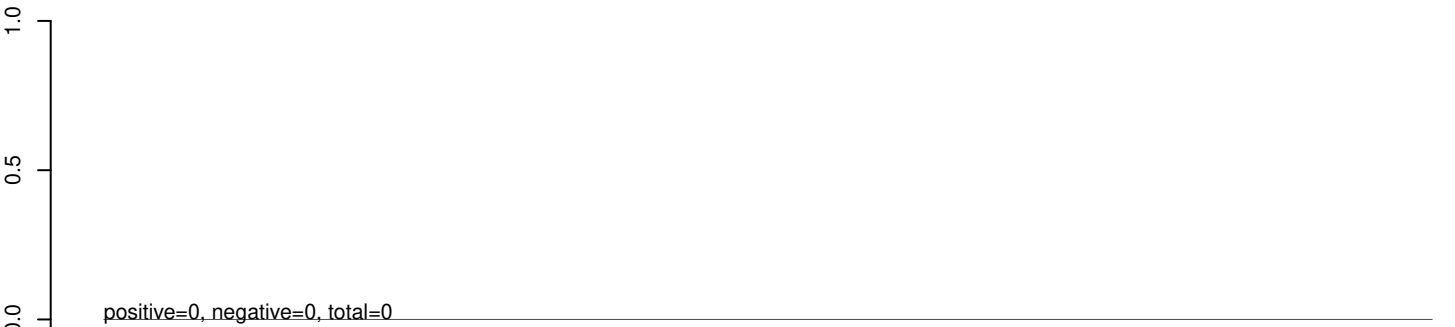
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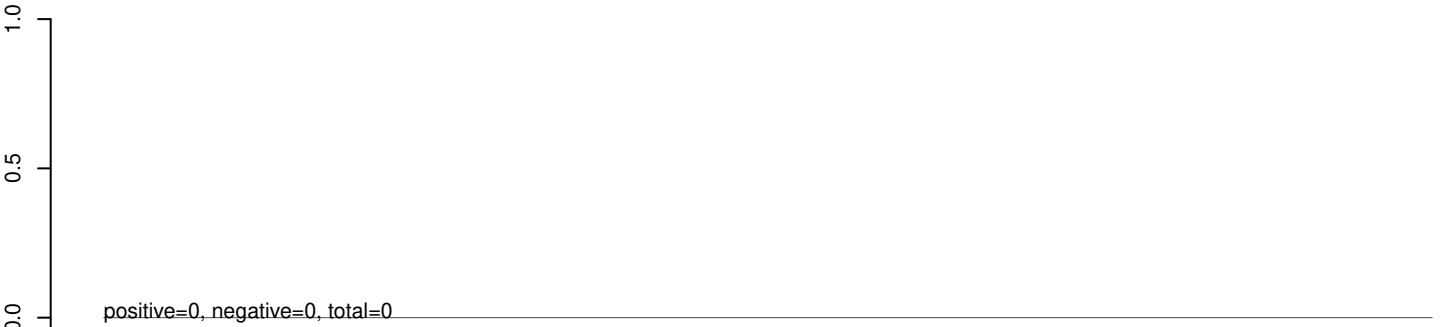
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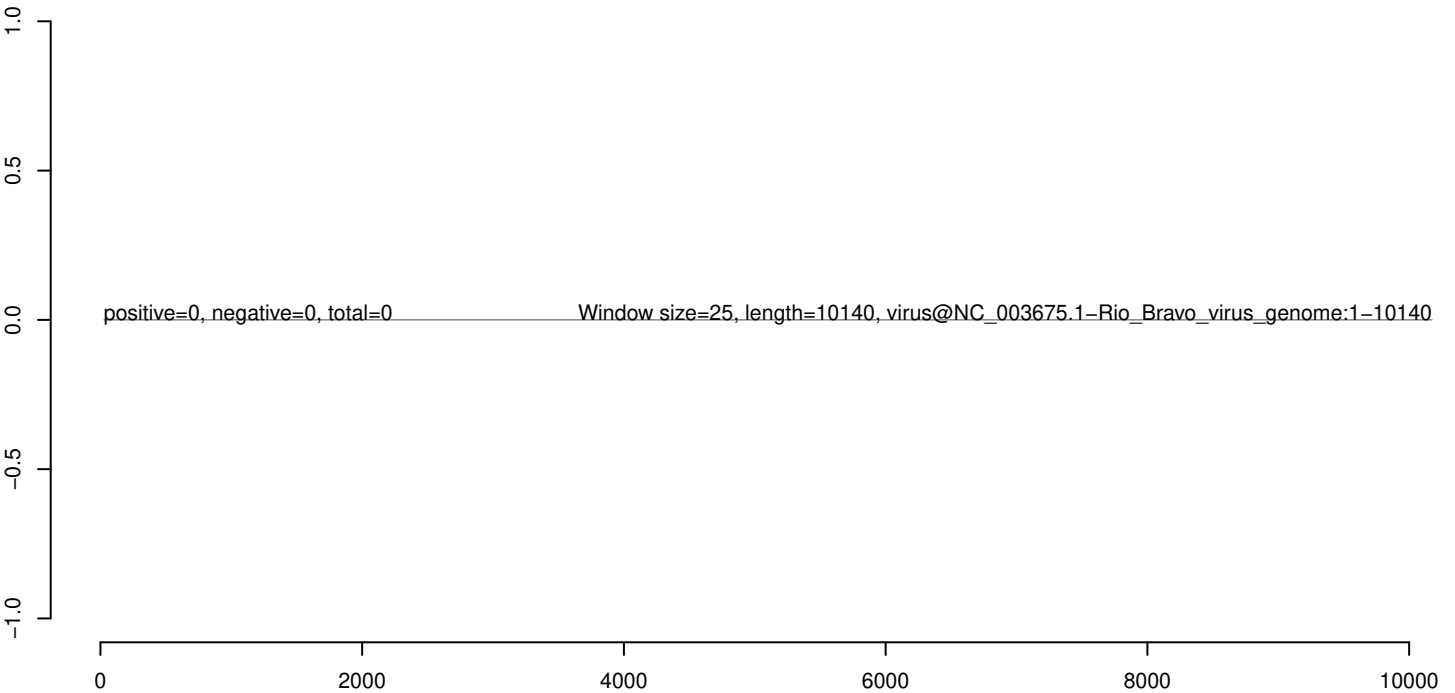
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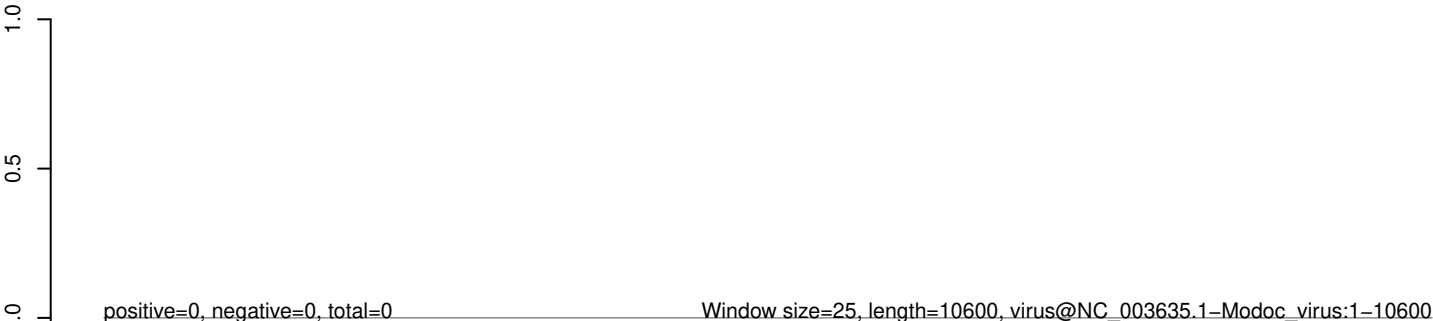
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**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



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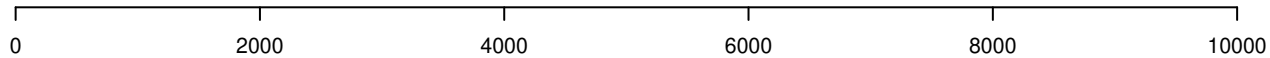
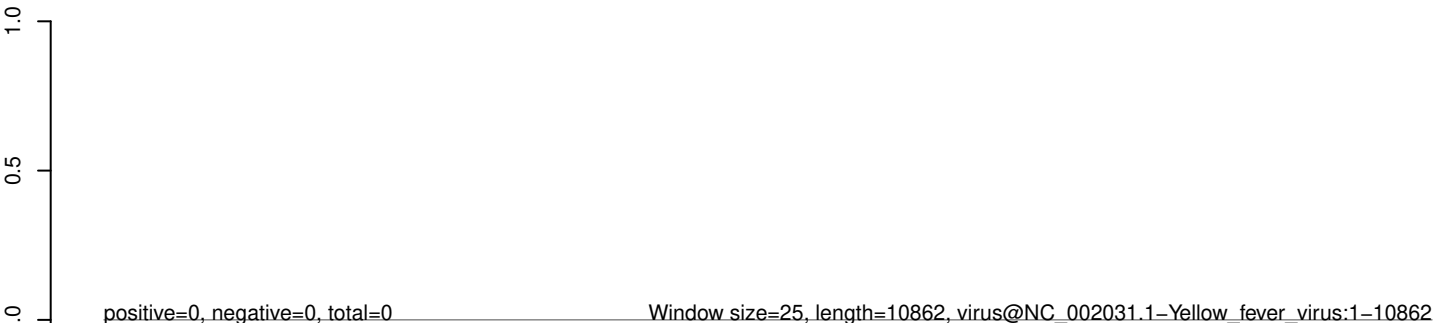
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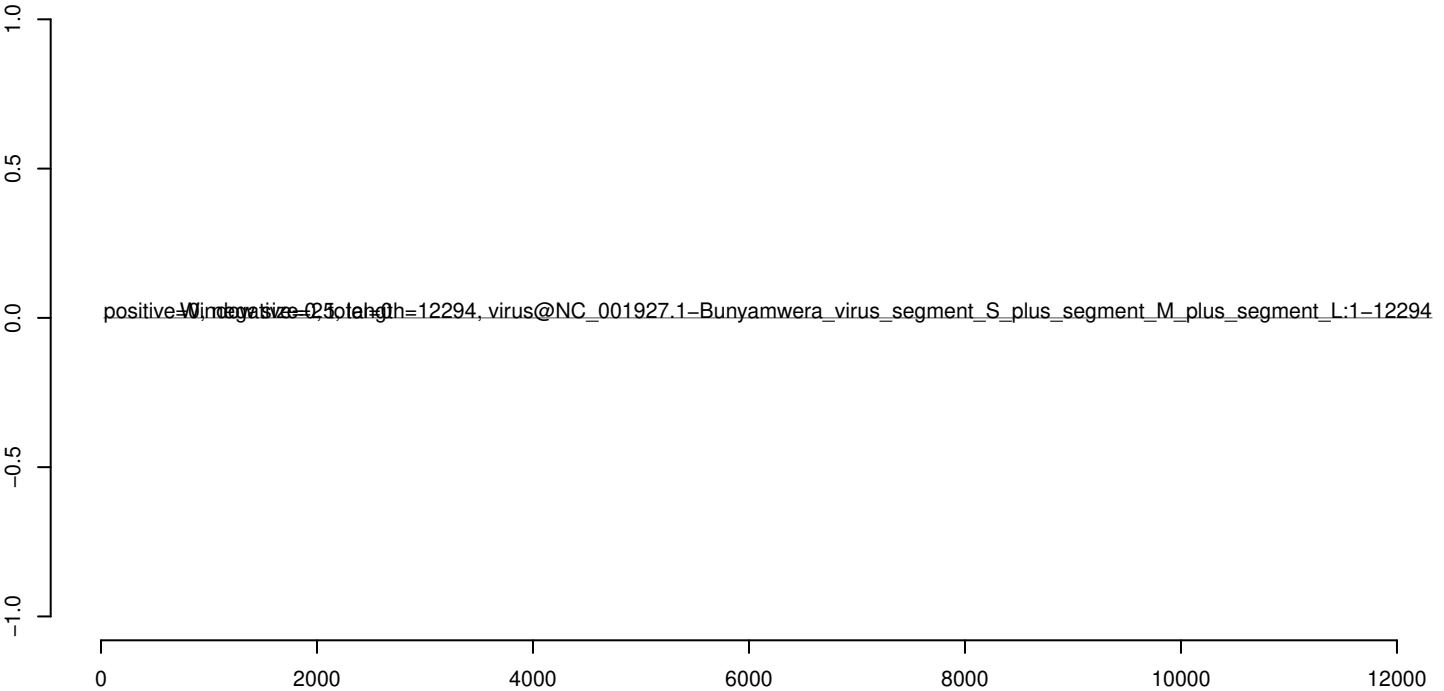
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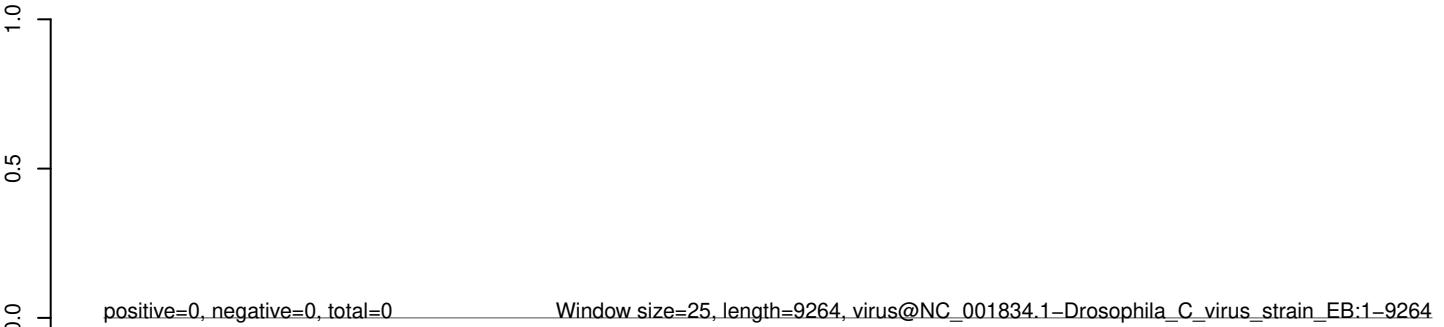
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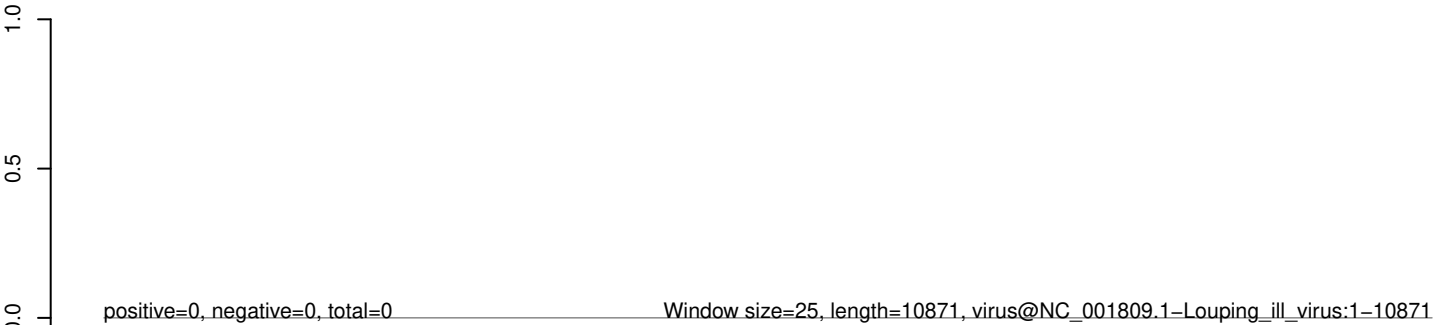
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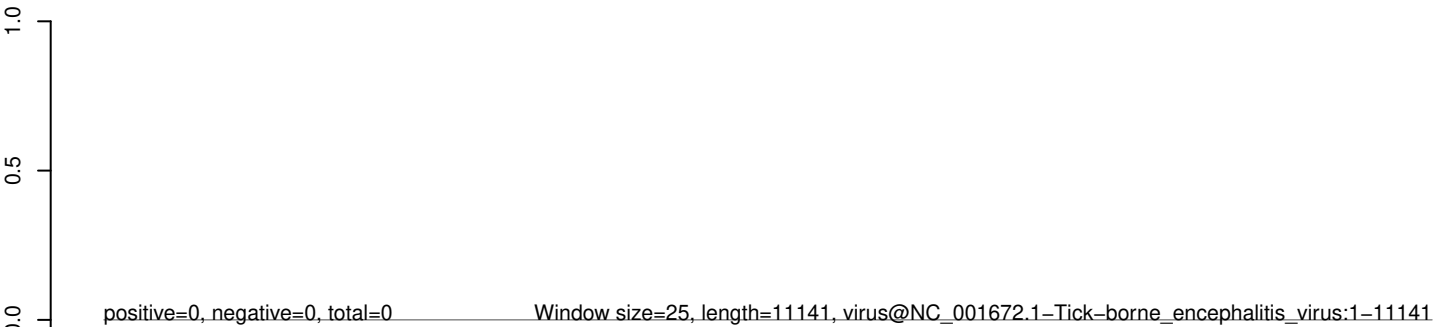
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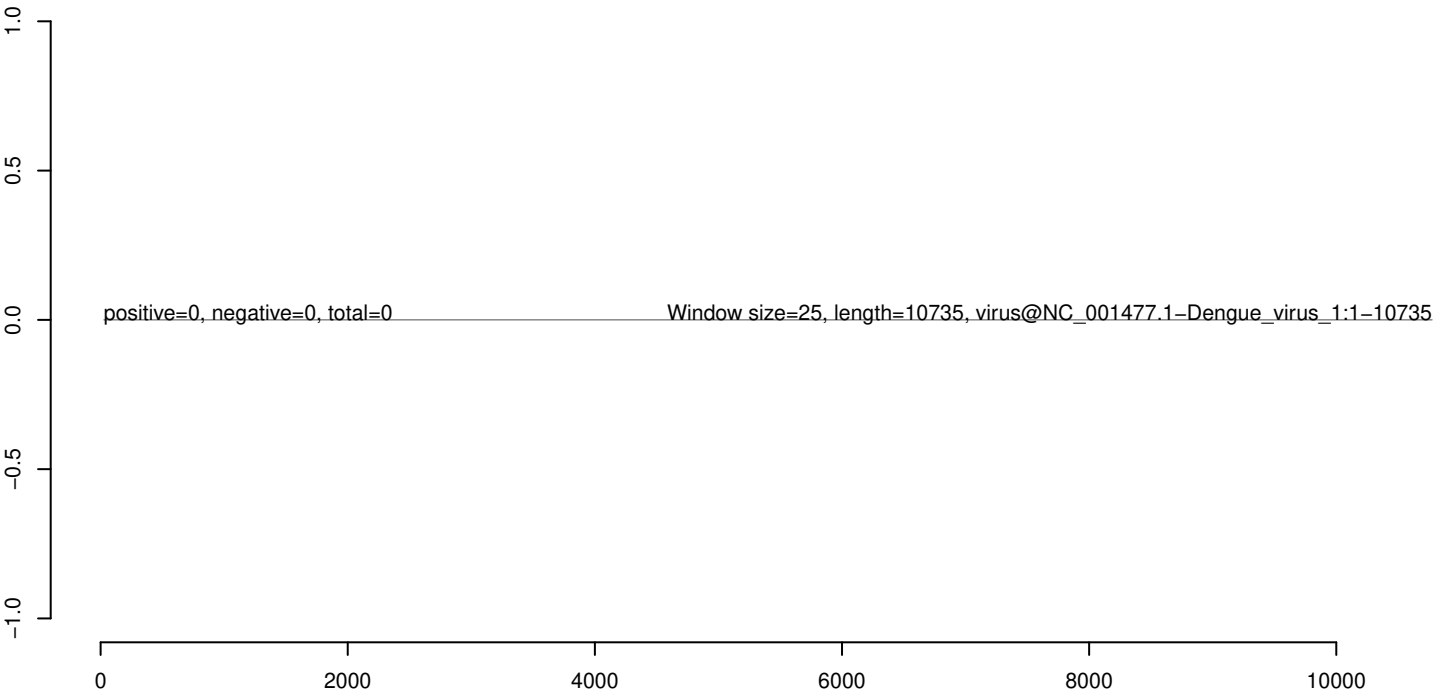
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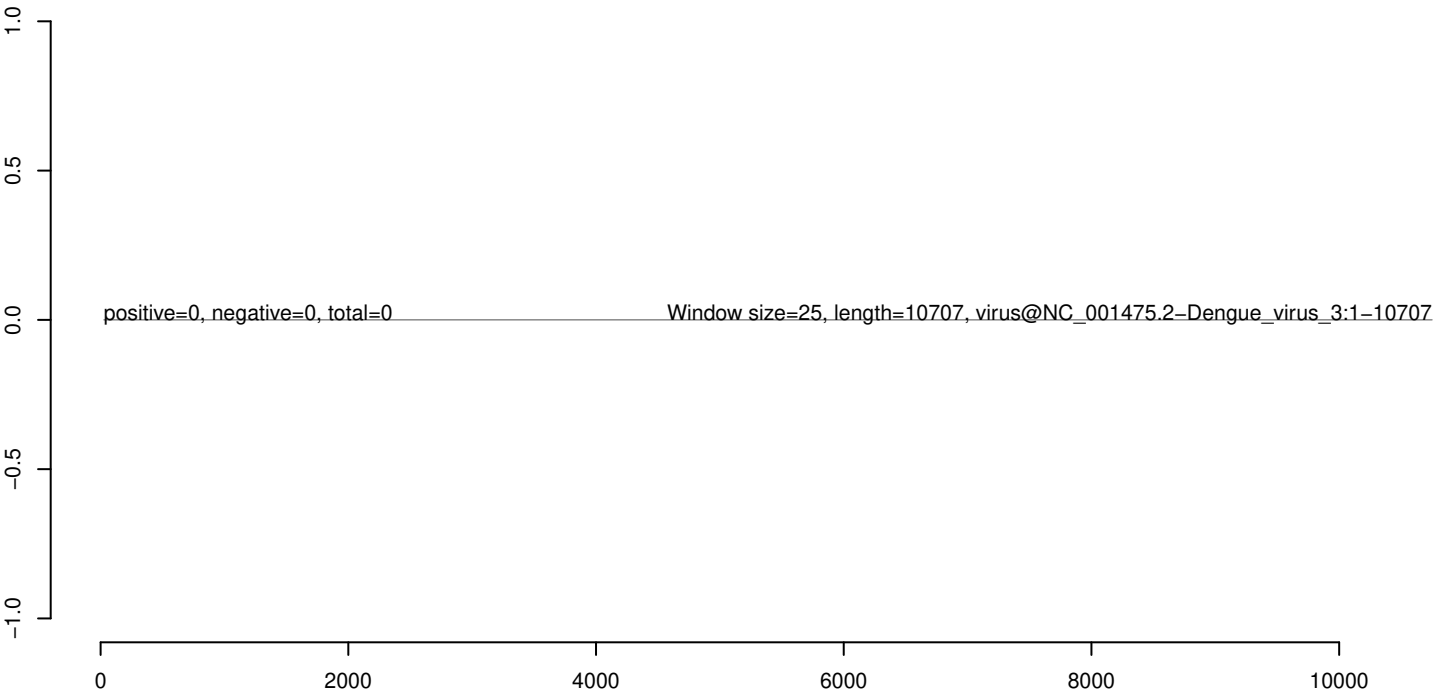
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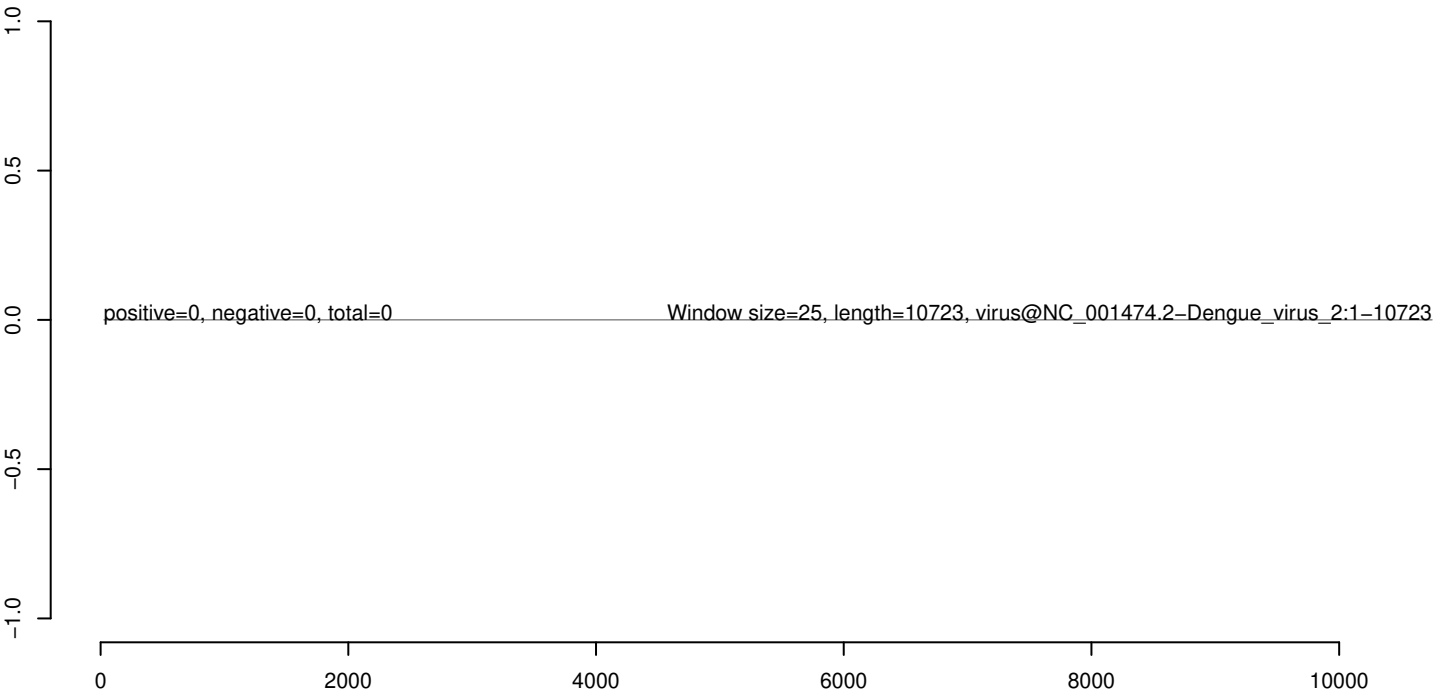
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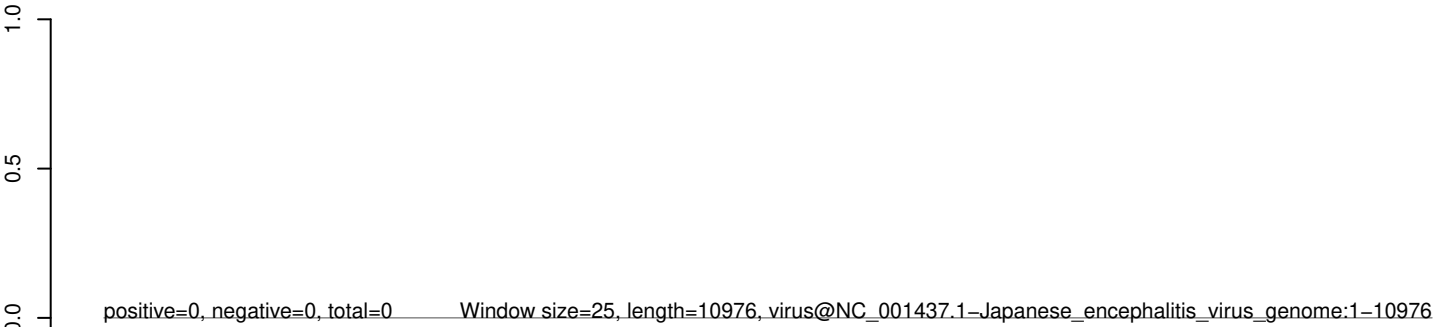
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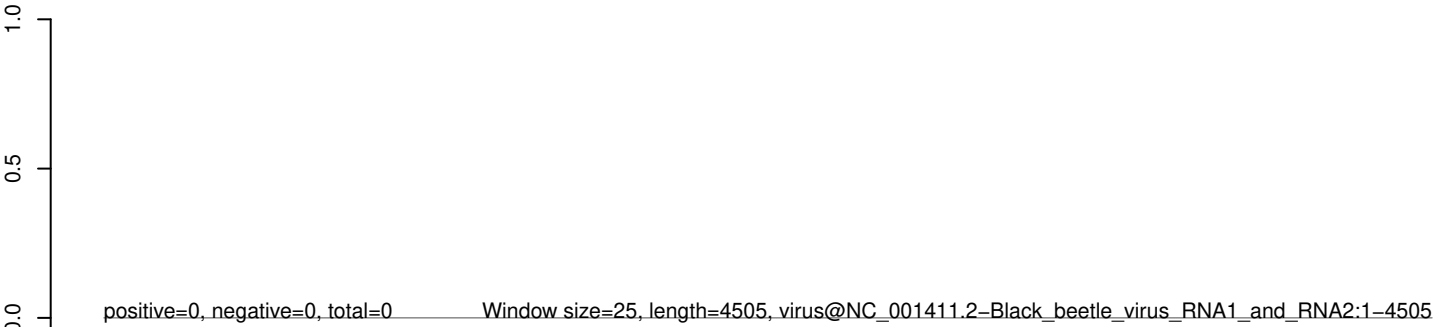
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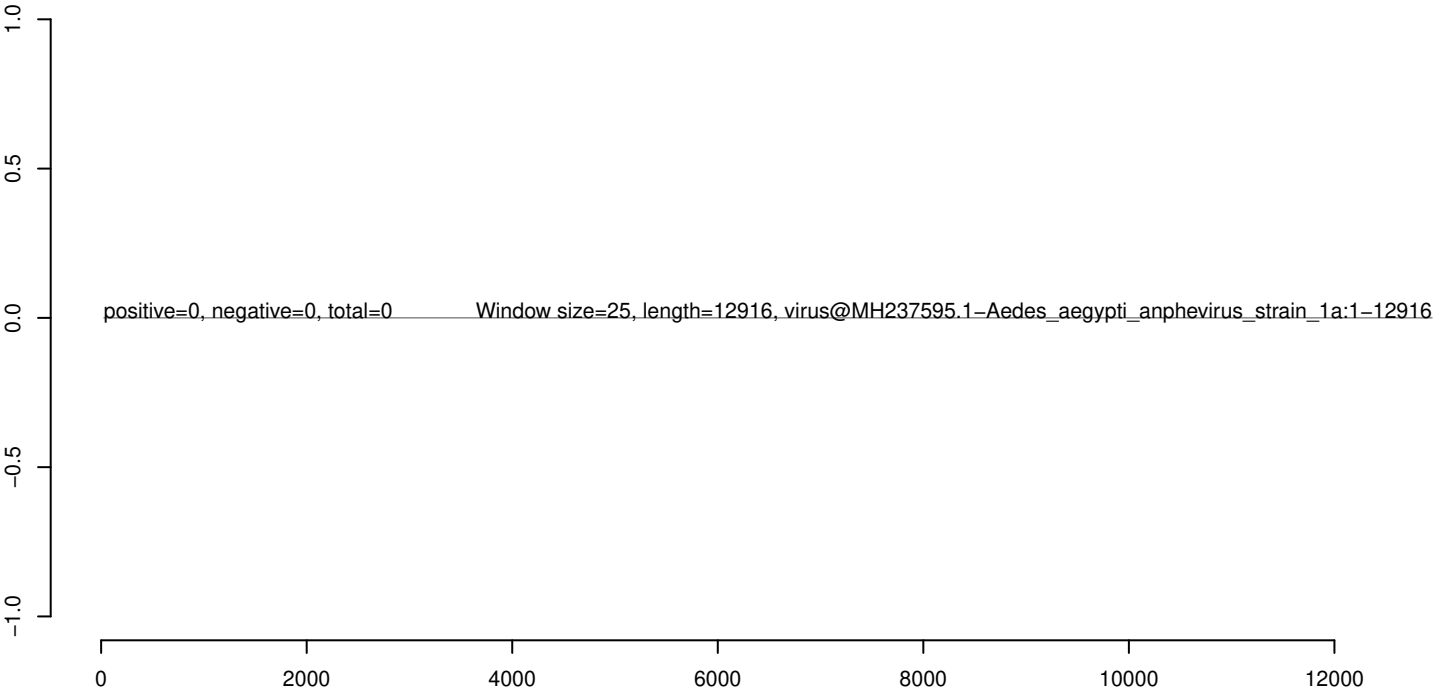
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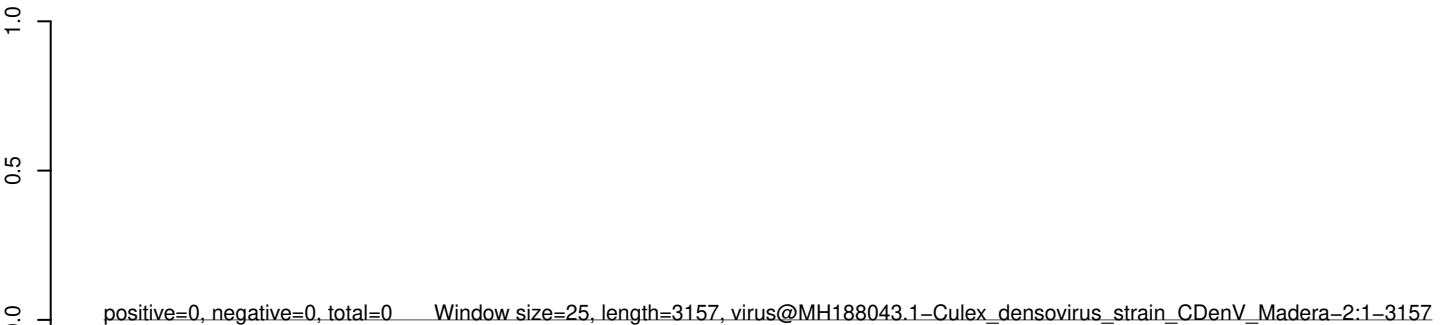
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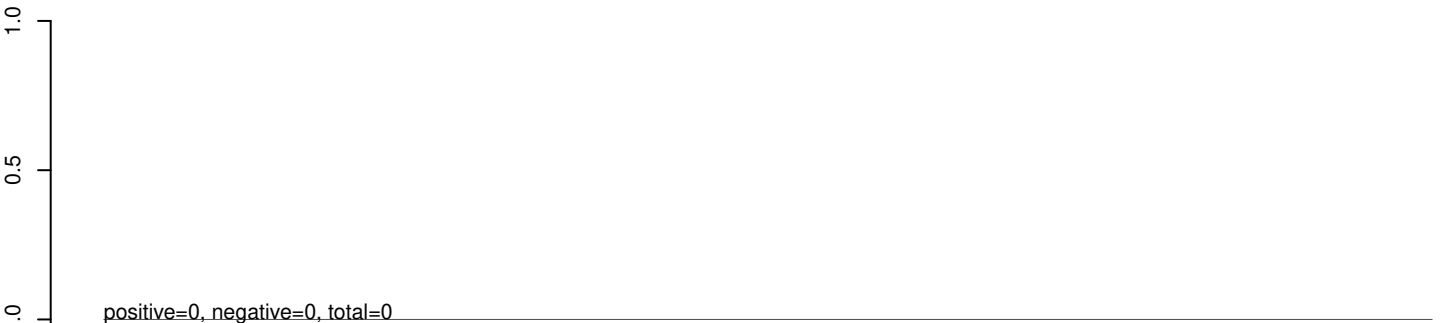


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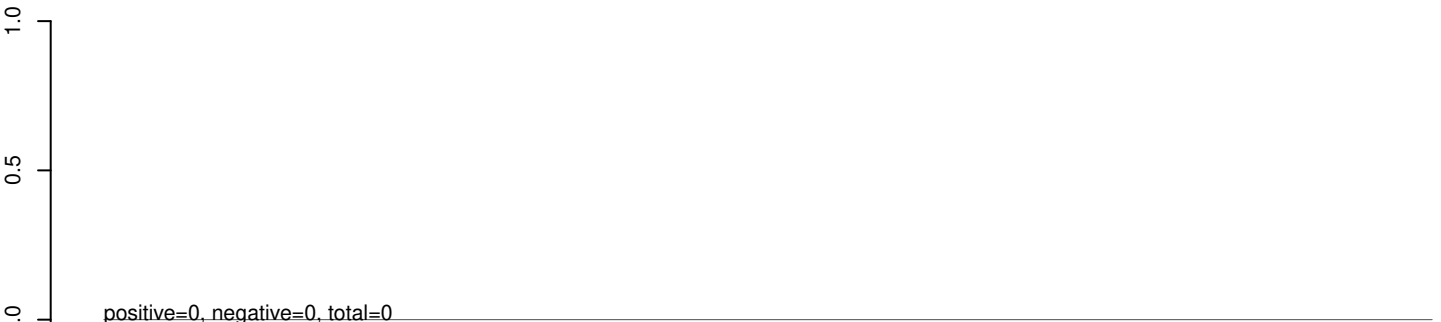




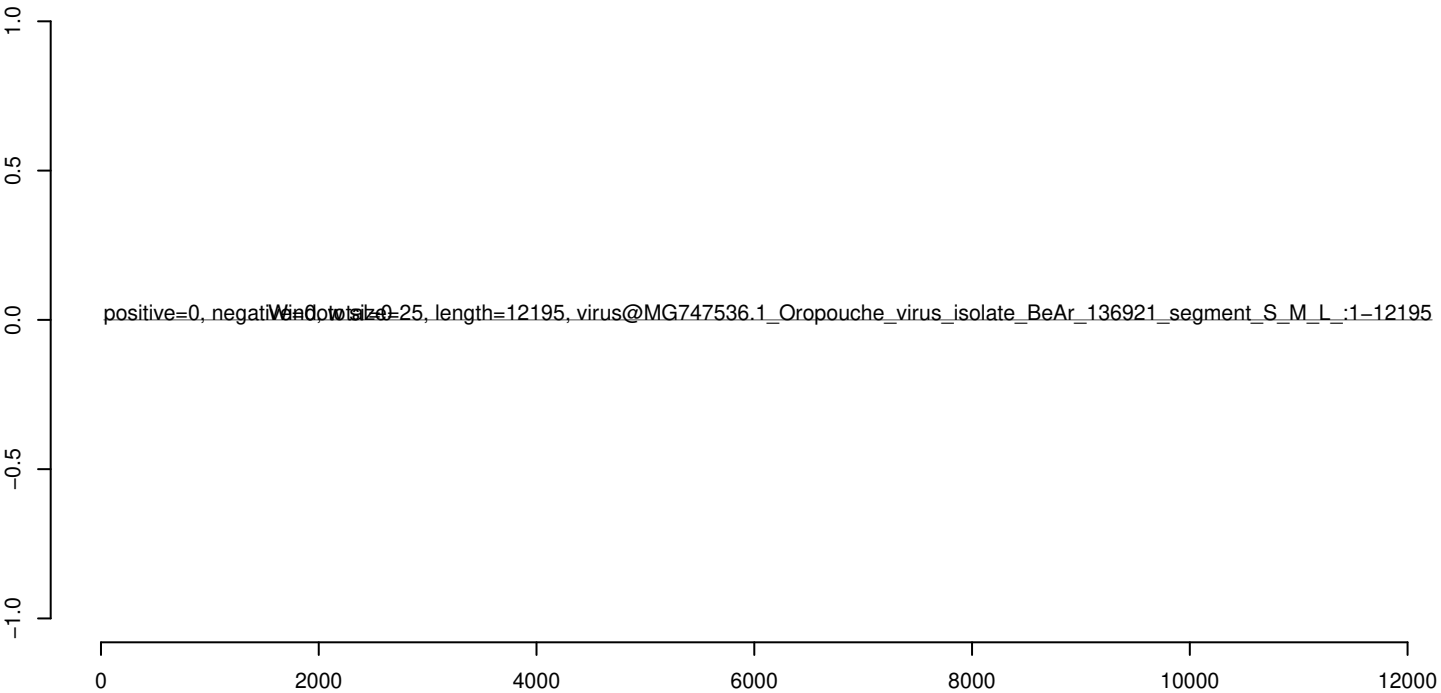
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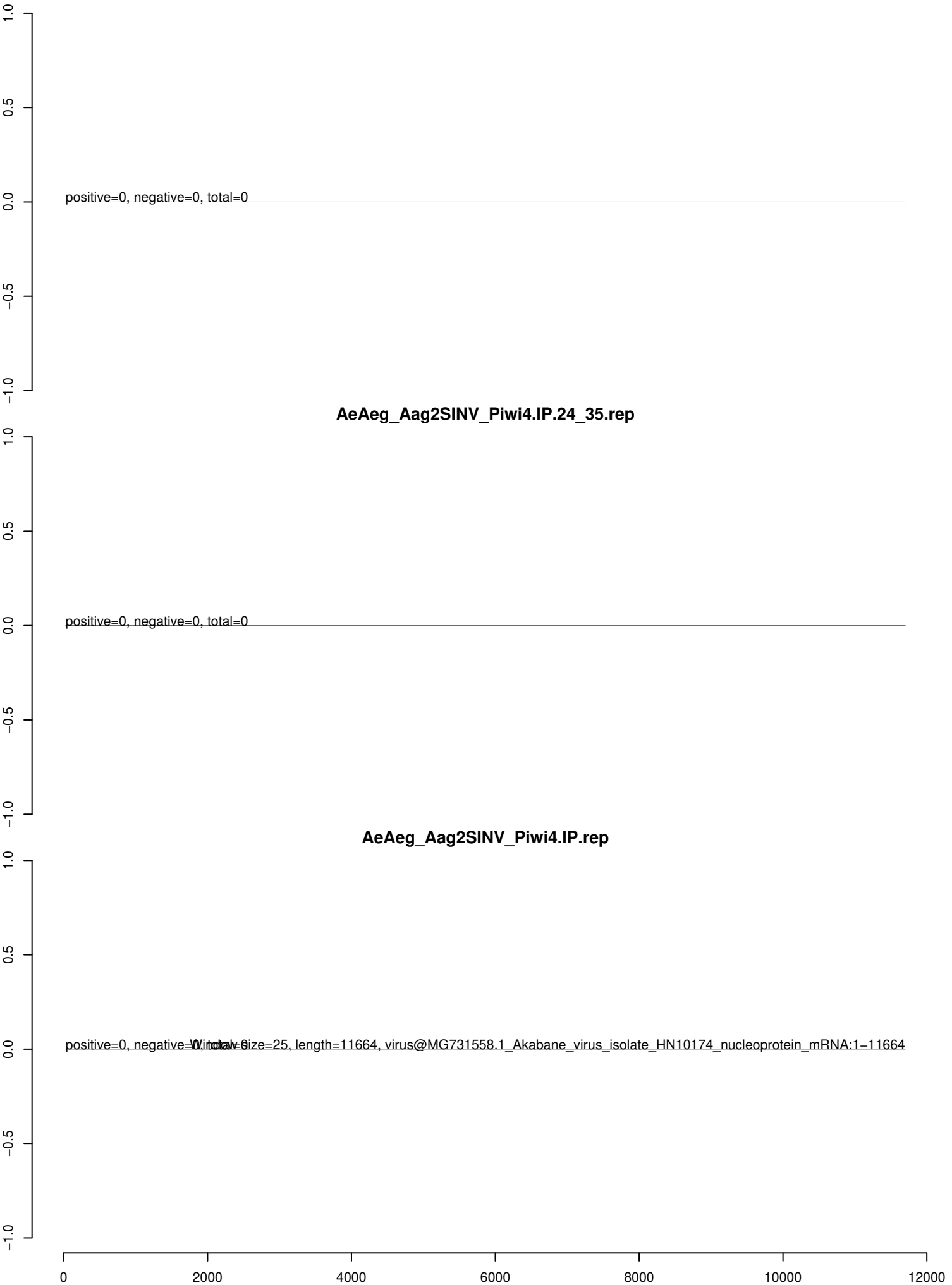
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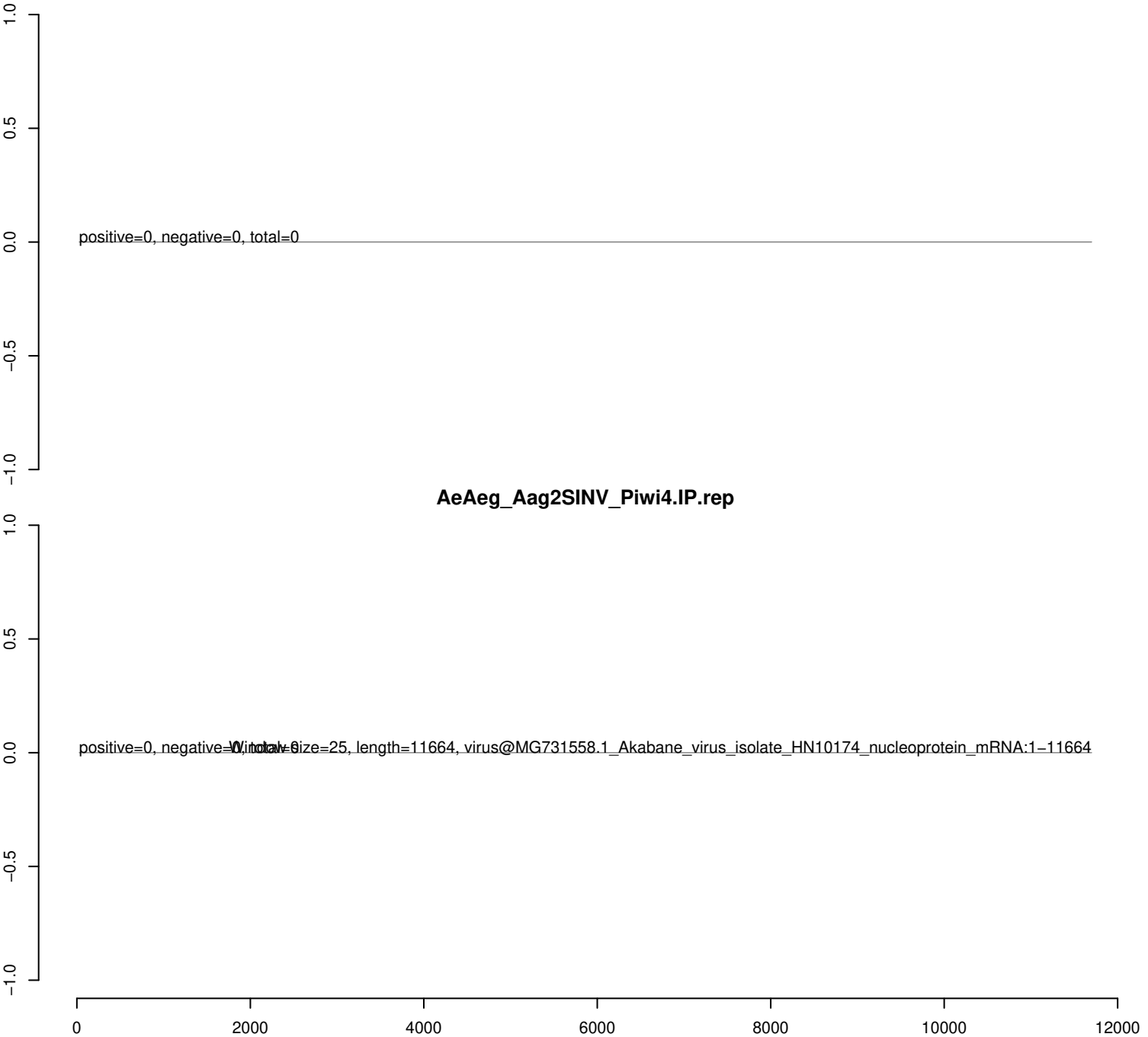
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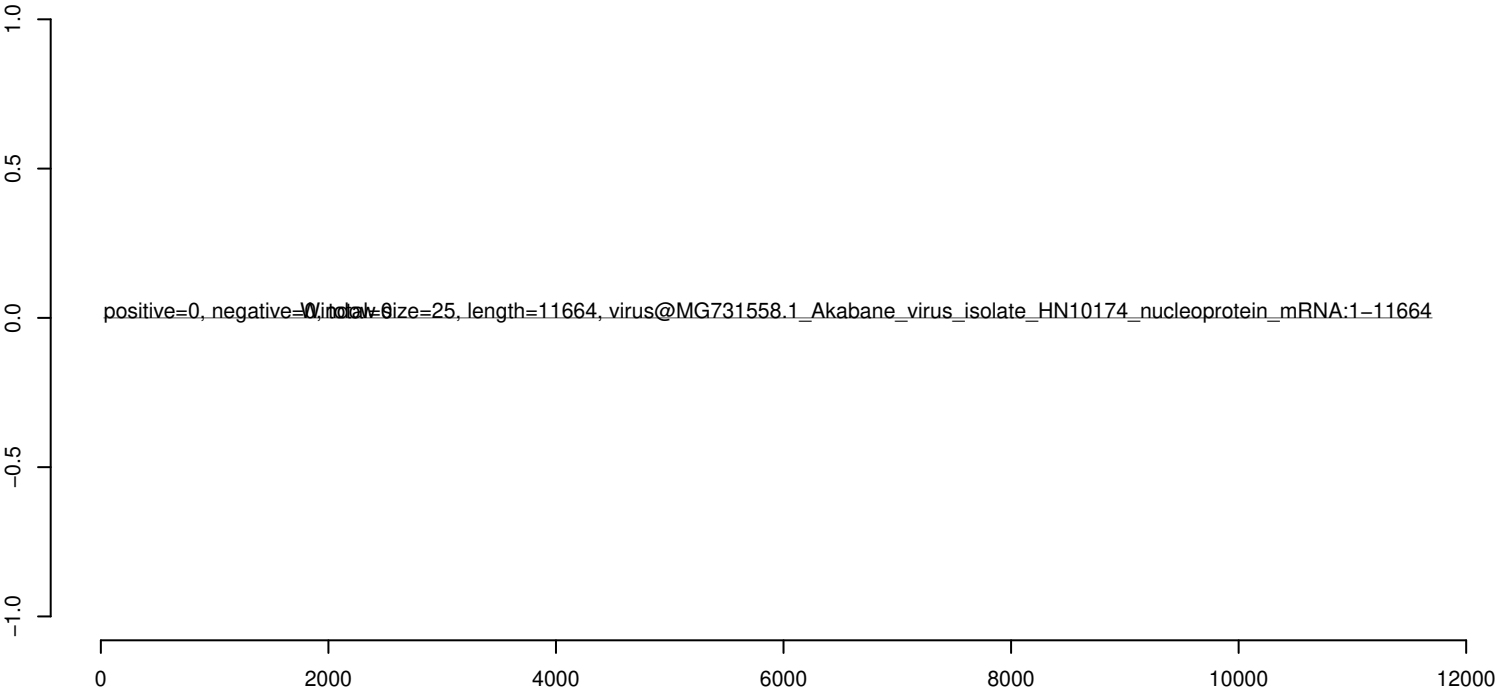
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**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



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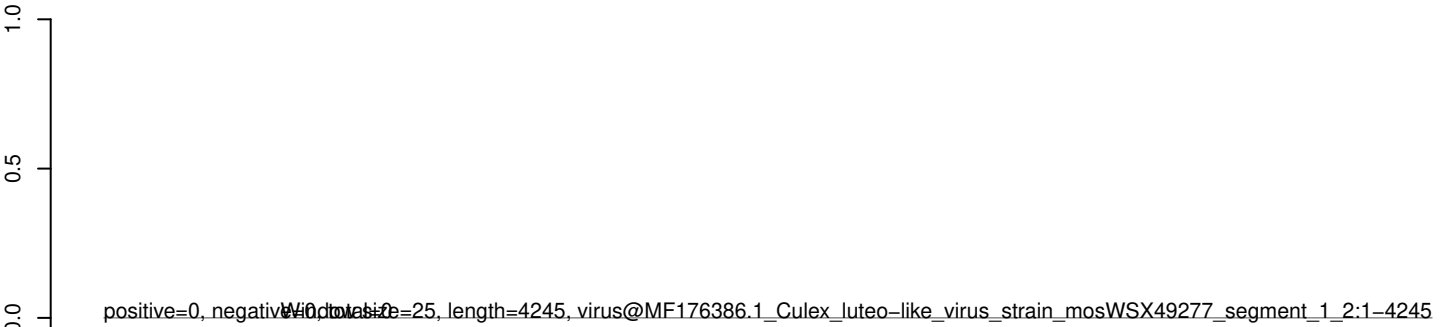
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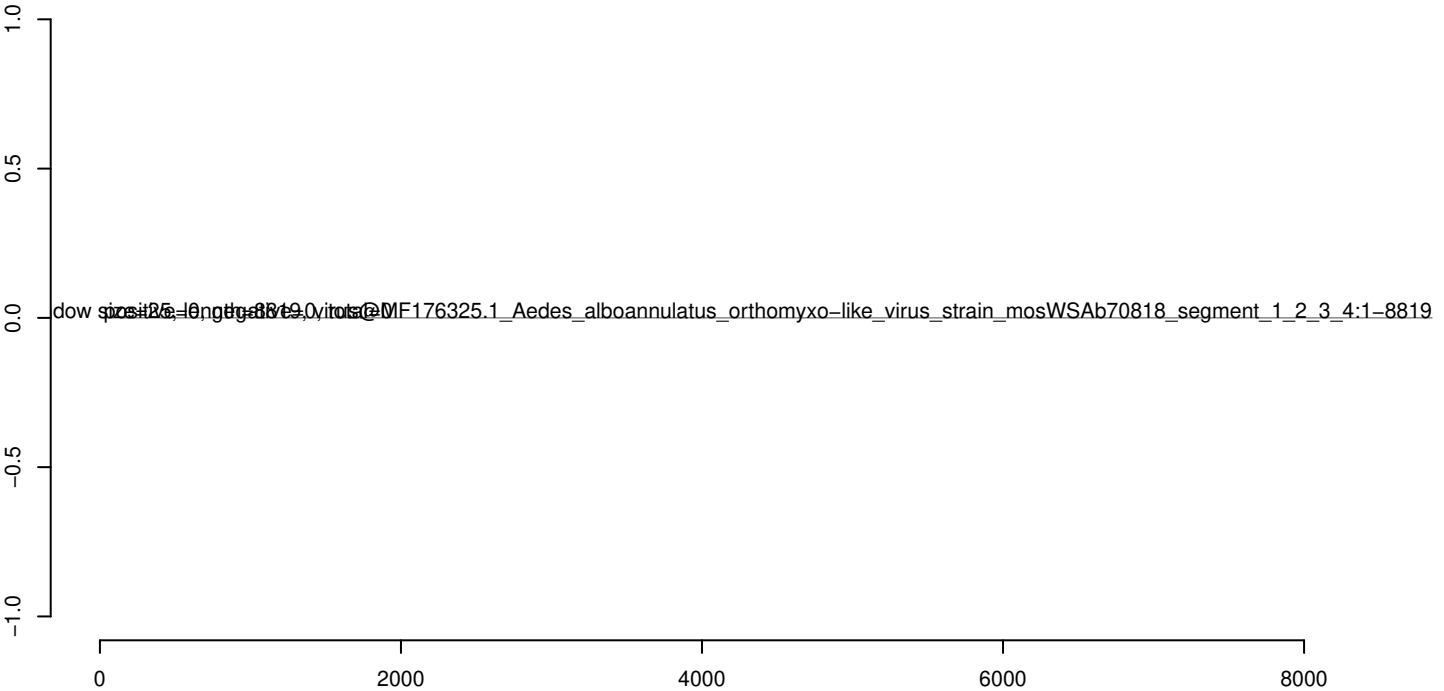
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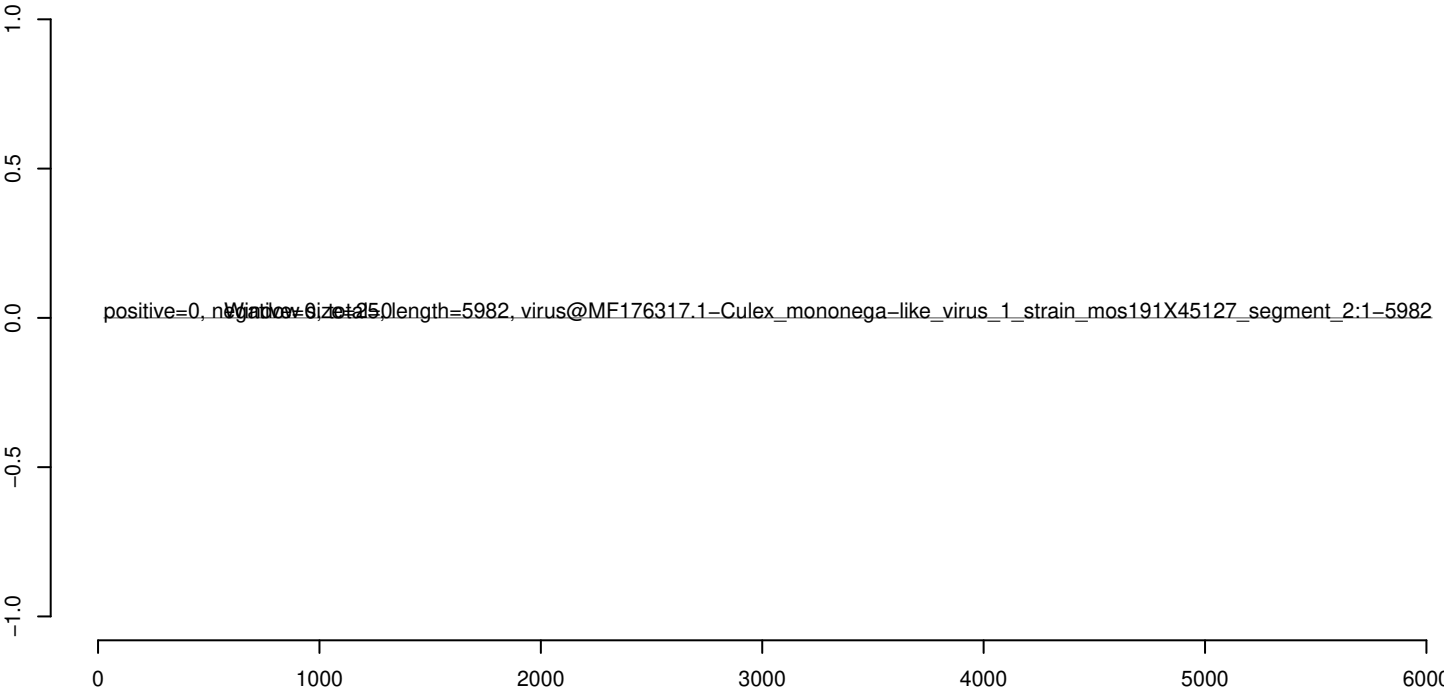
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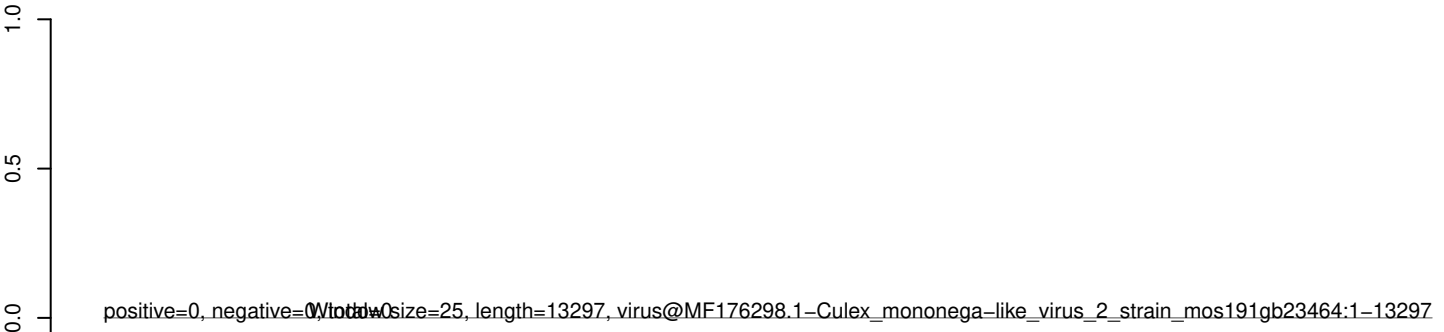
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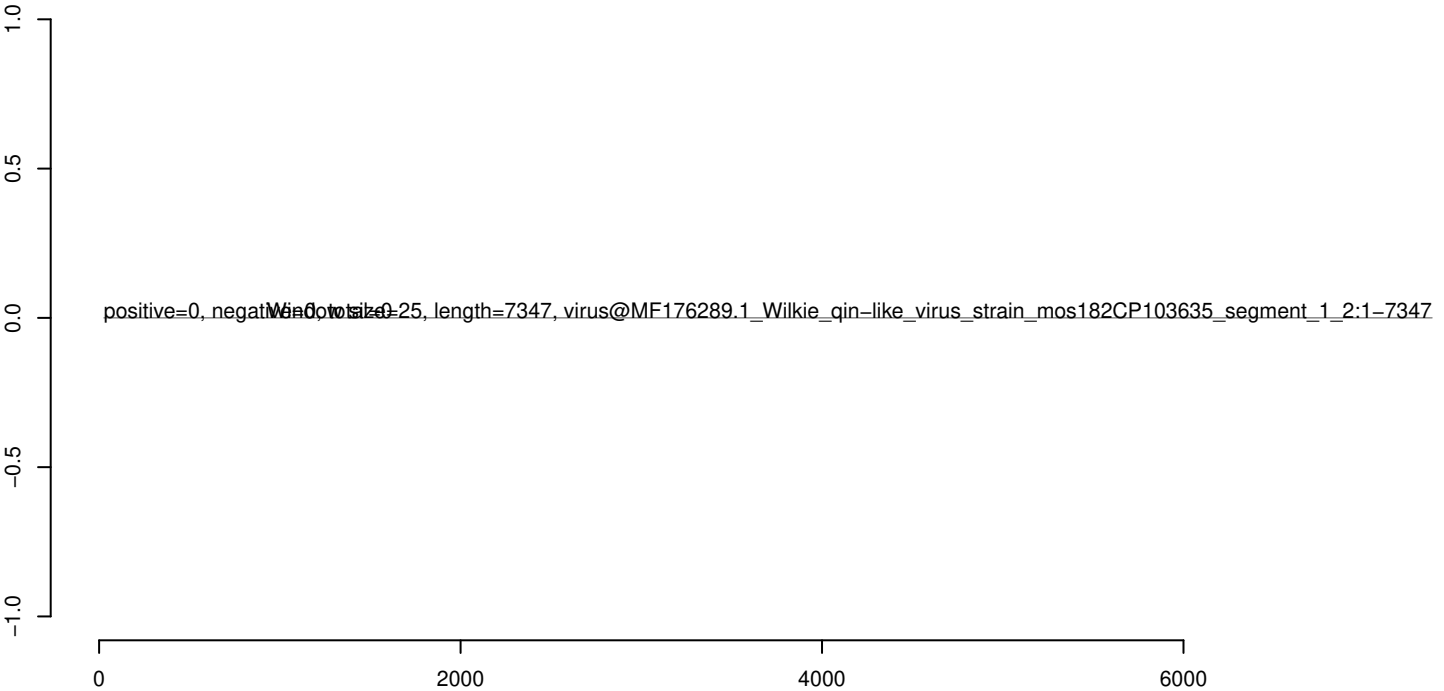
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**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



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**AeAeg\_Aag2SINV\_Piwi4.IP.rep**





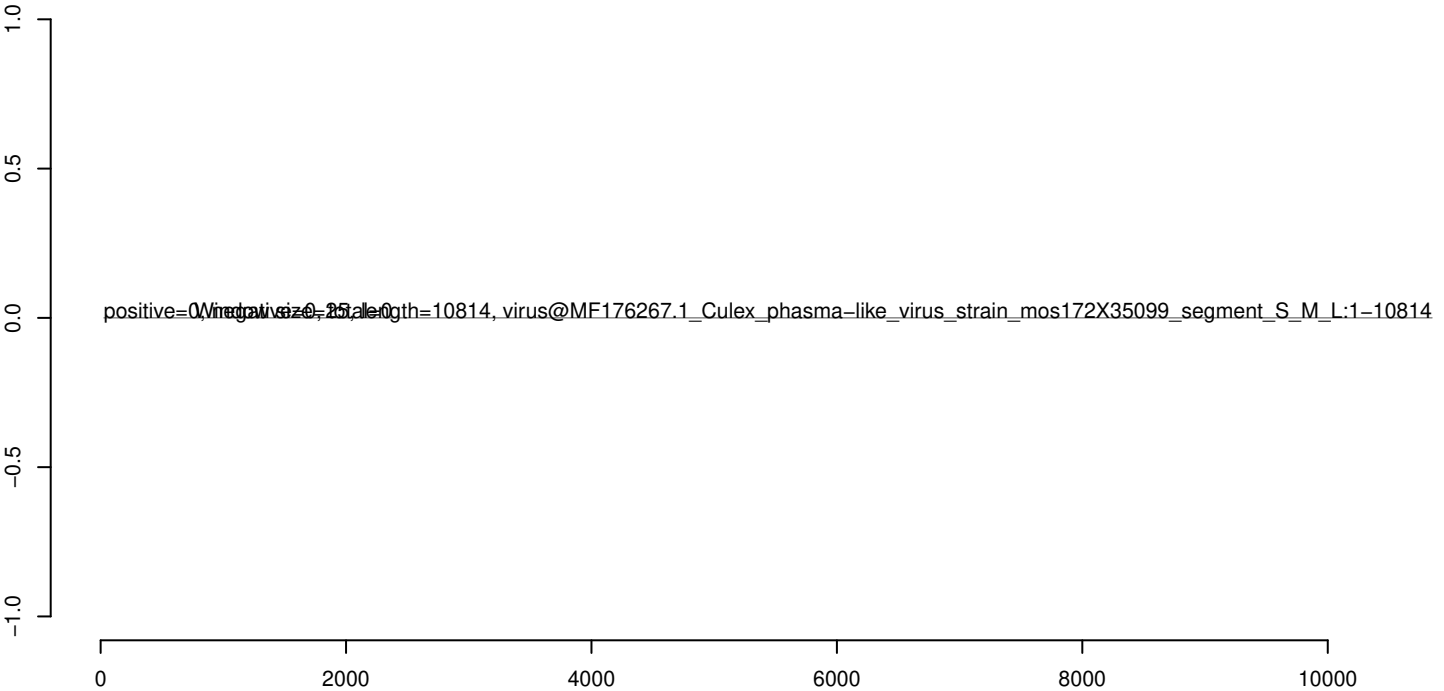
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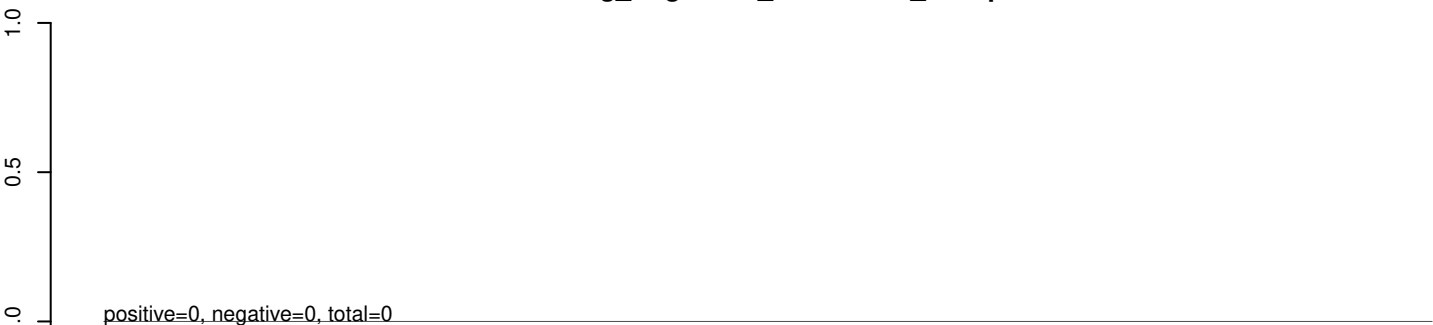
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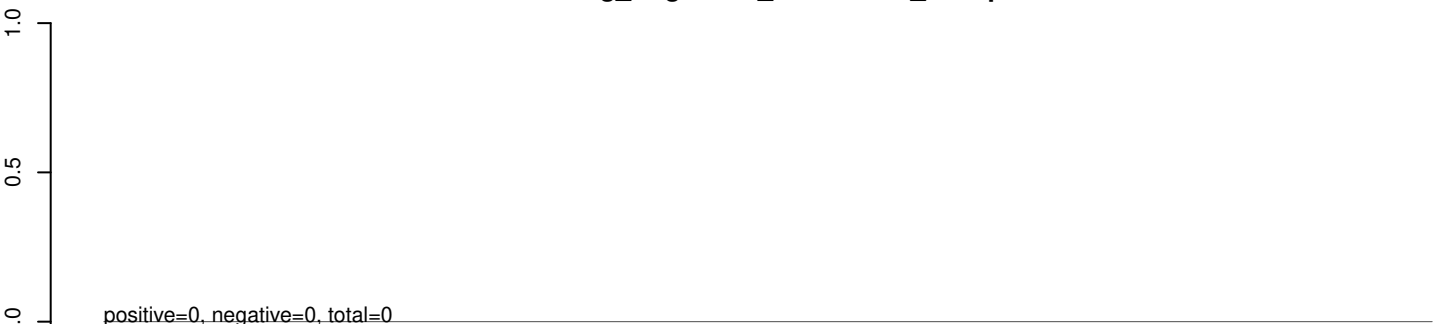
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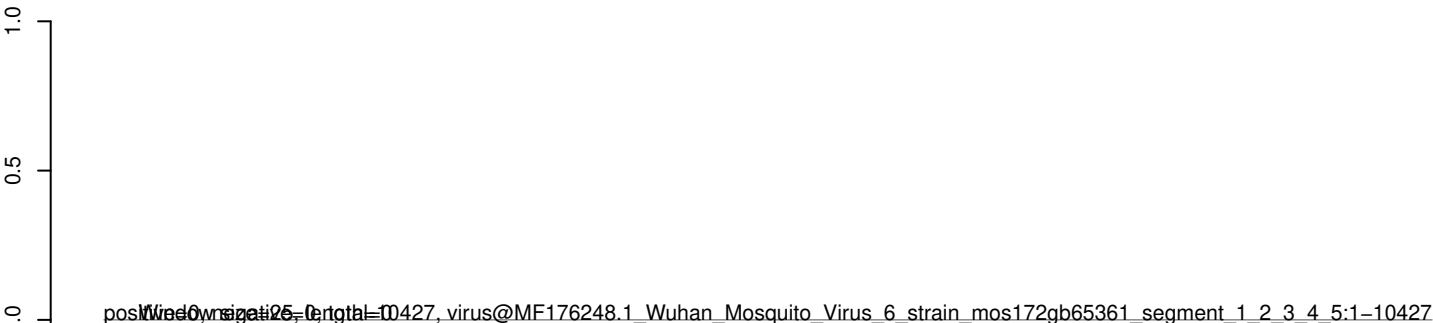
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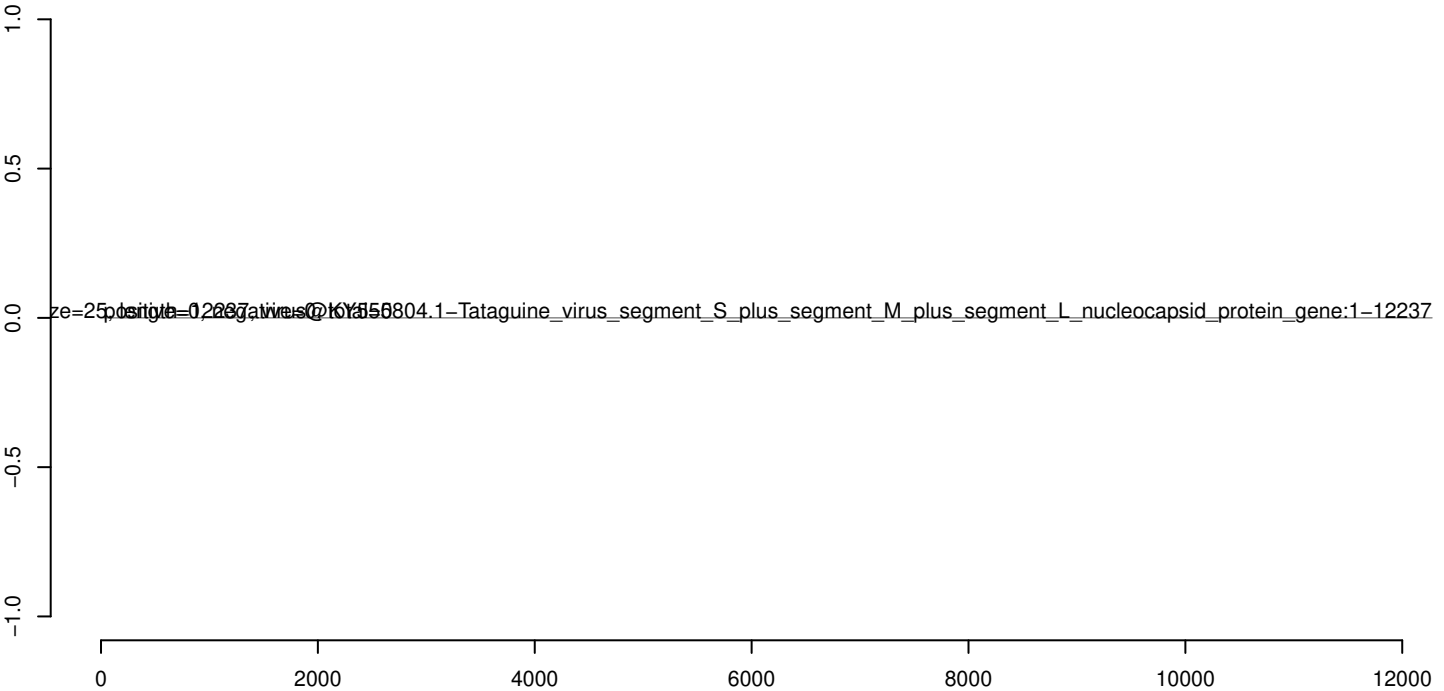
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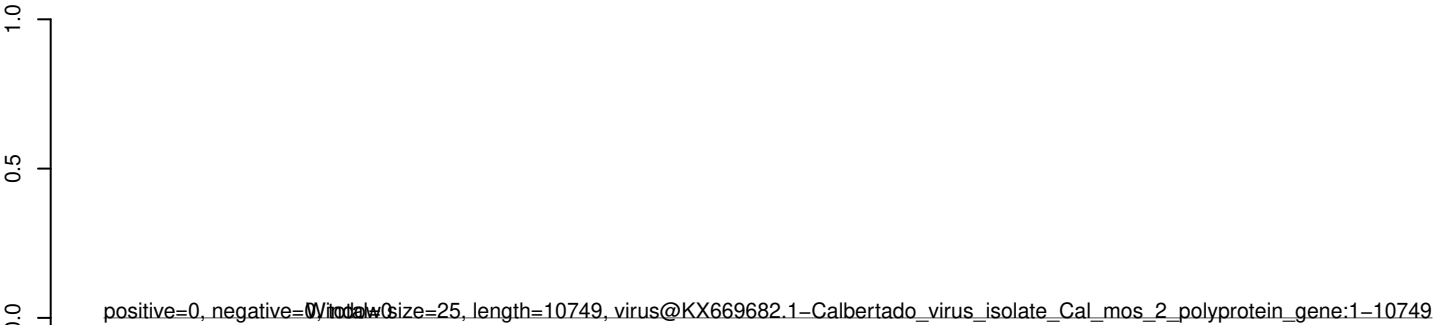
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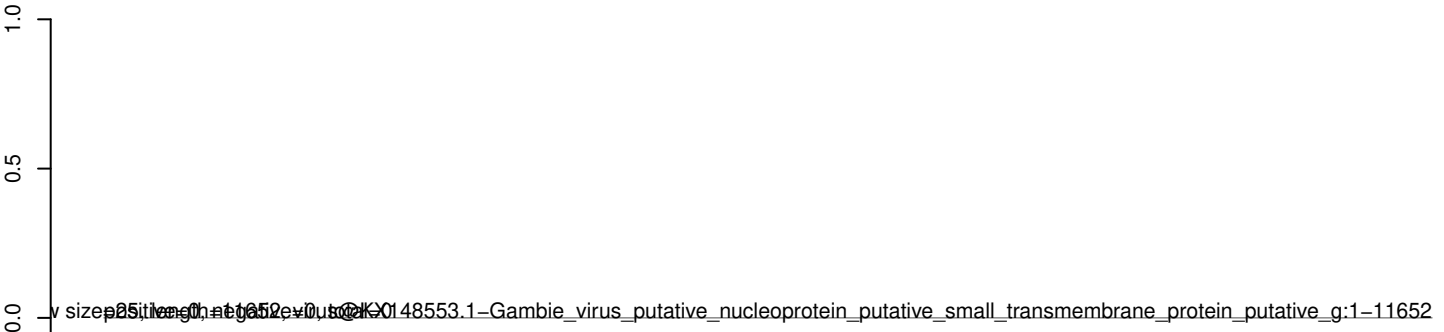
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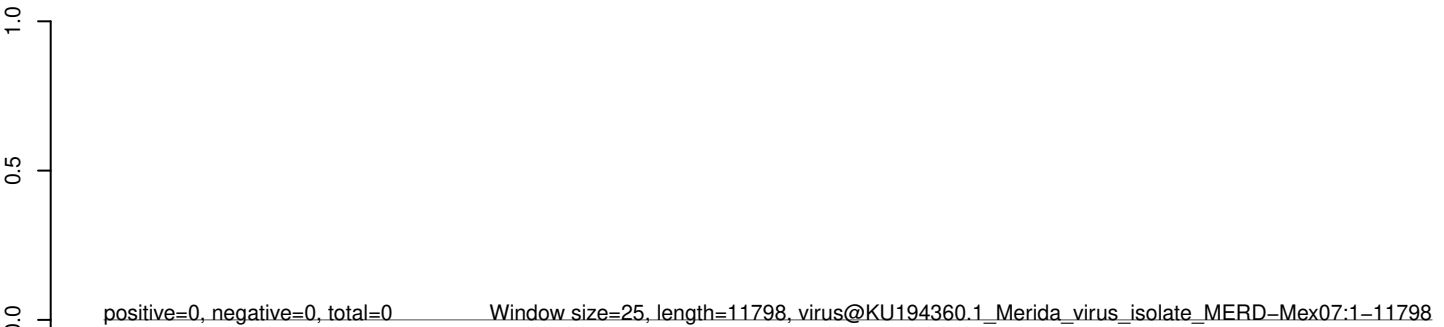
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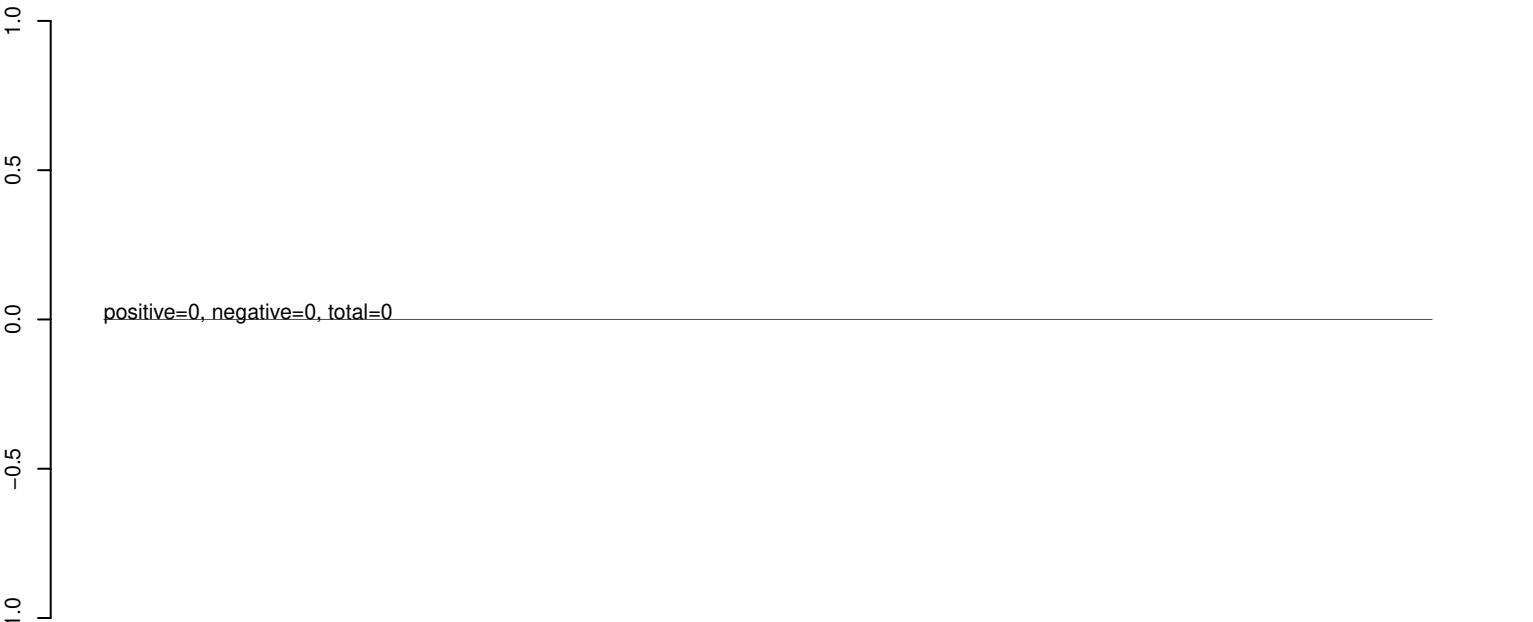


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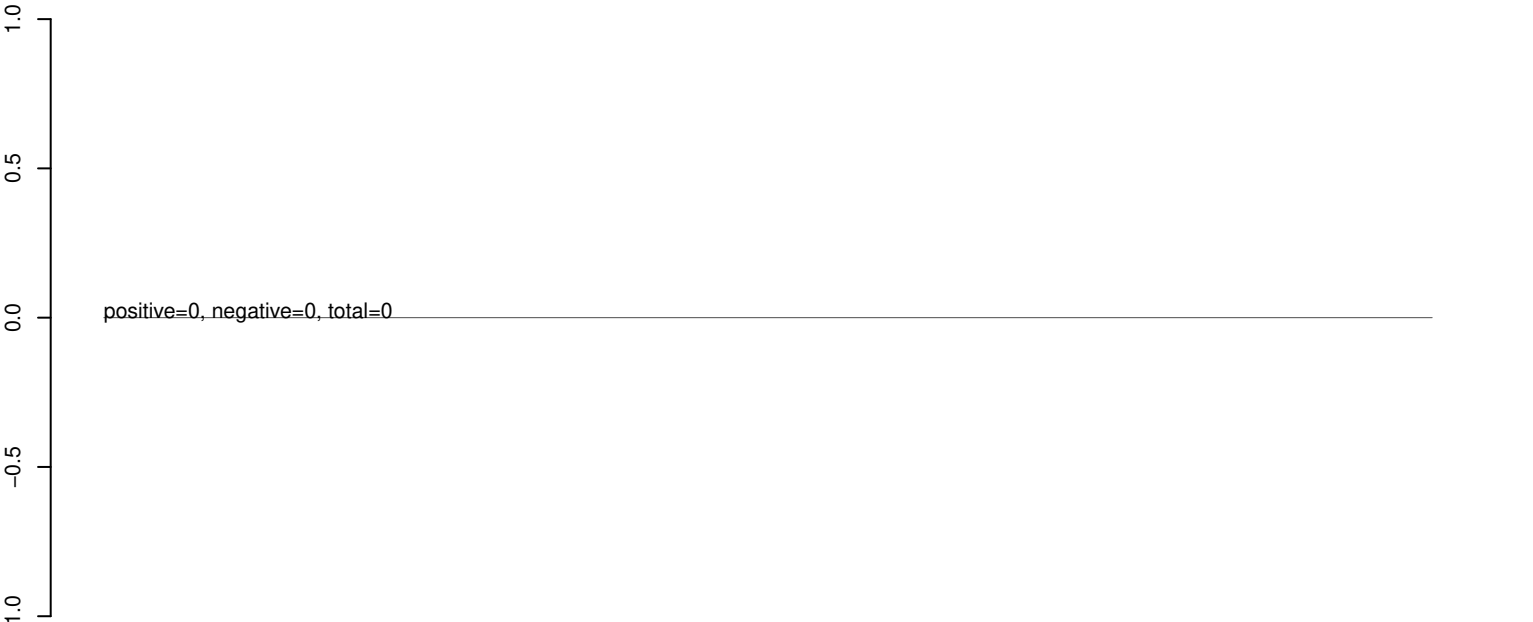


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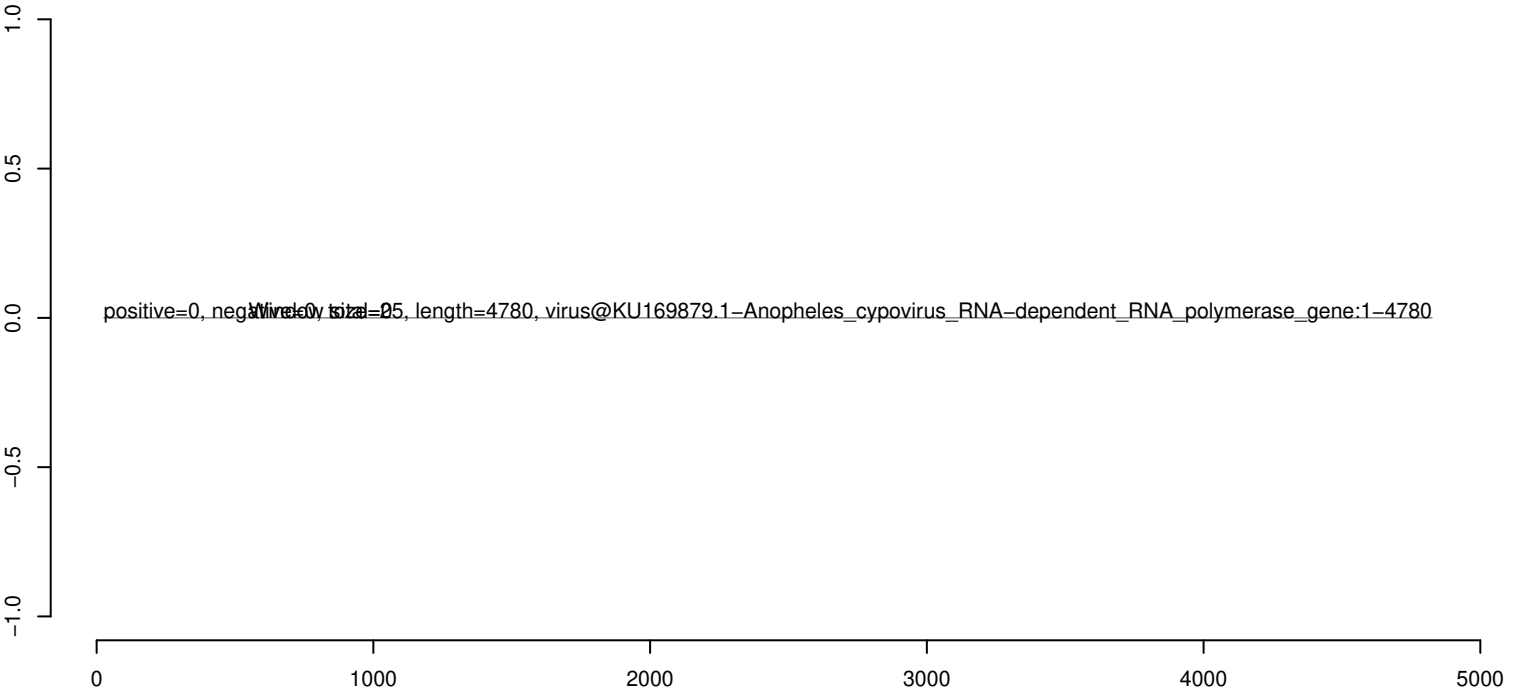
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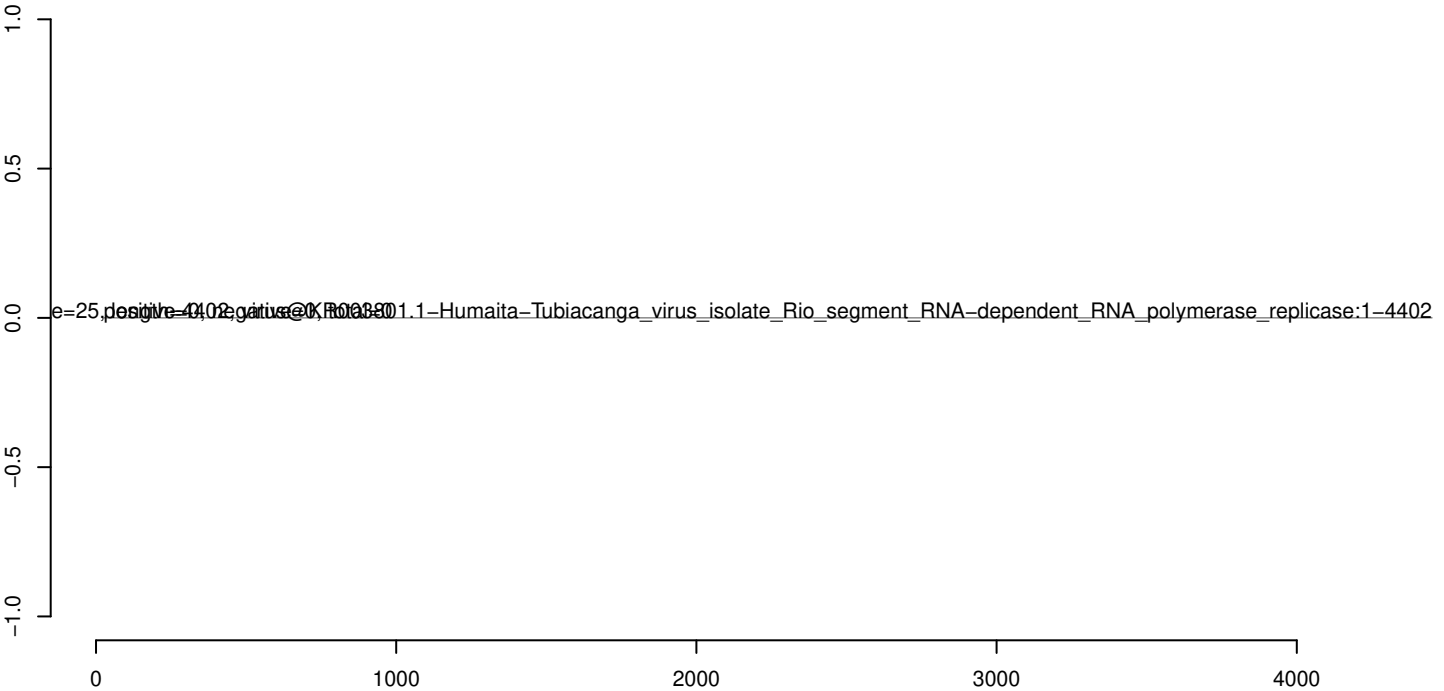
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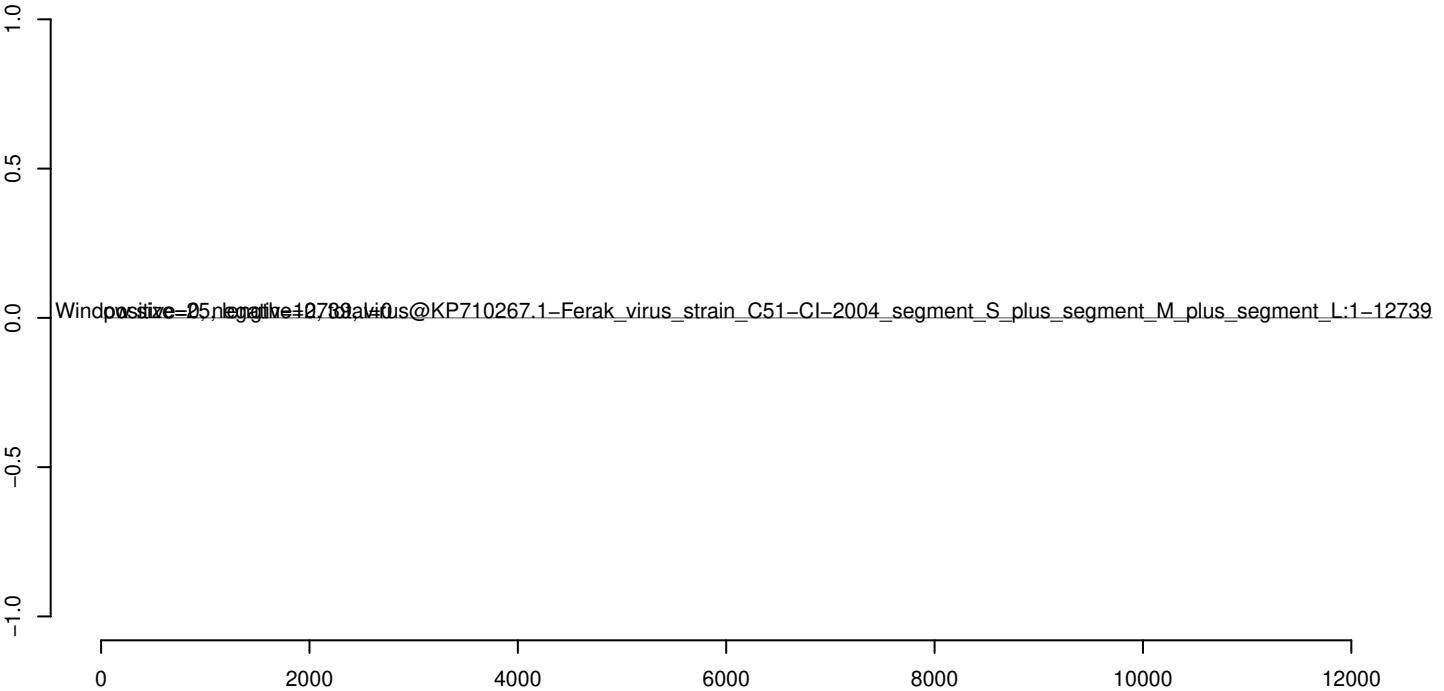
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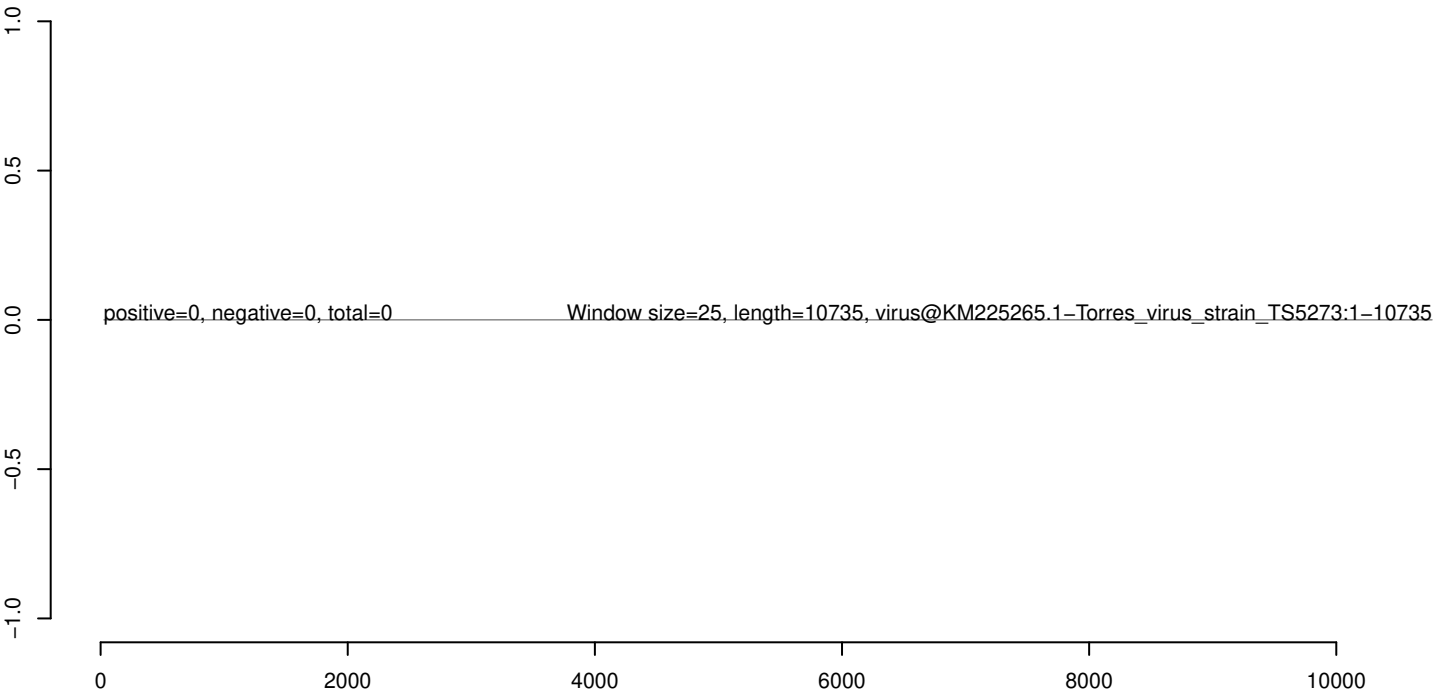
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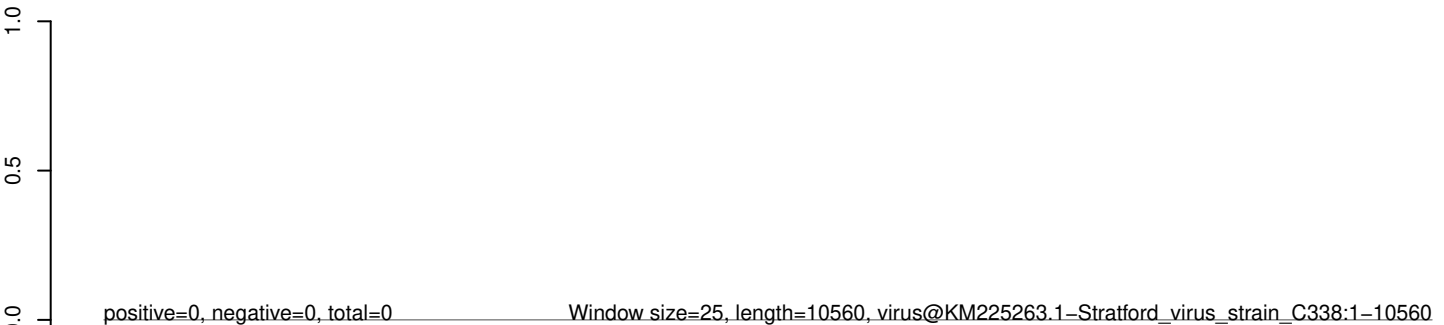
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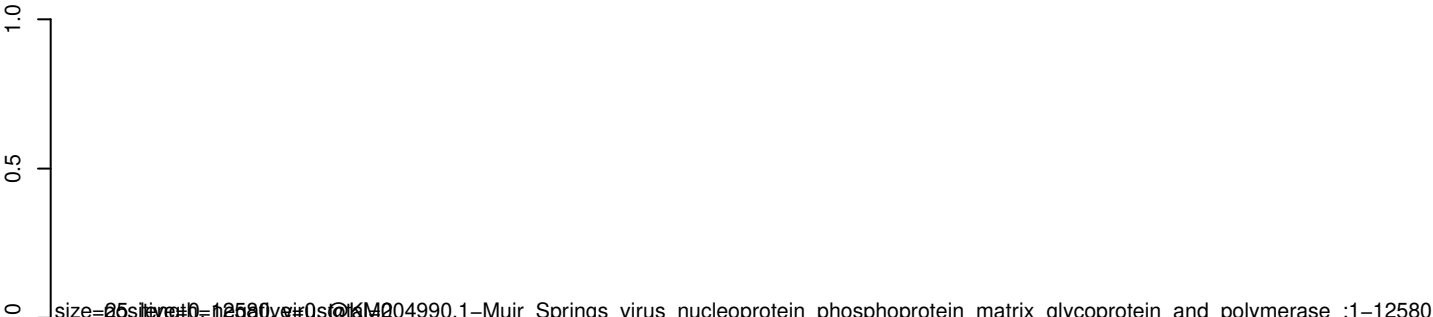
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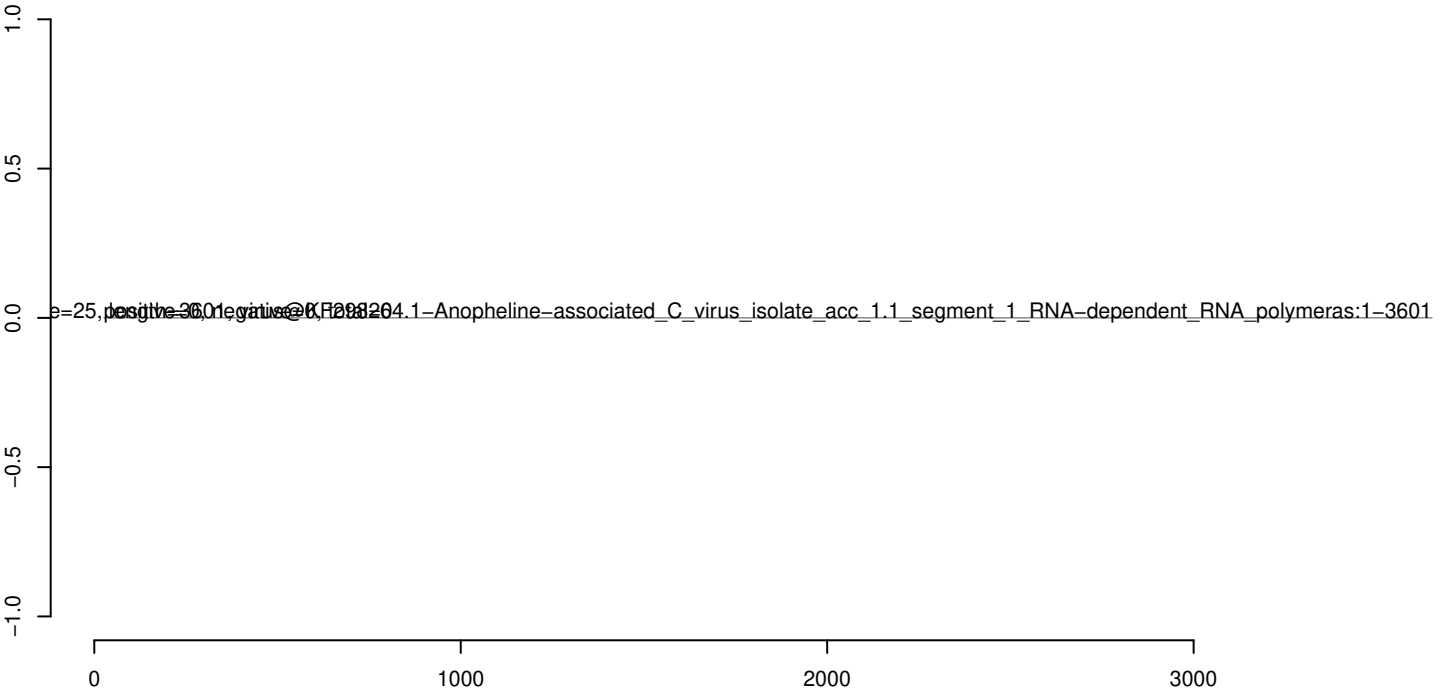
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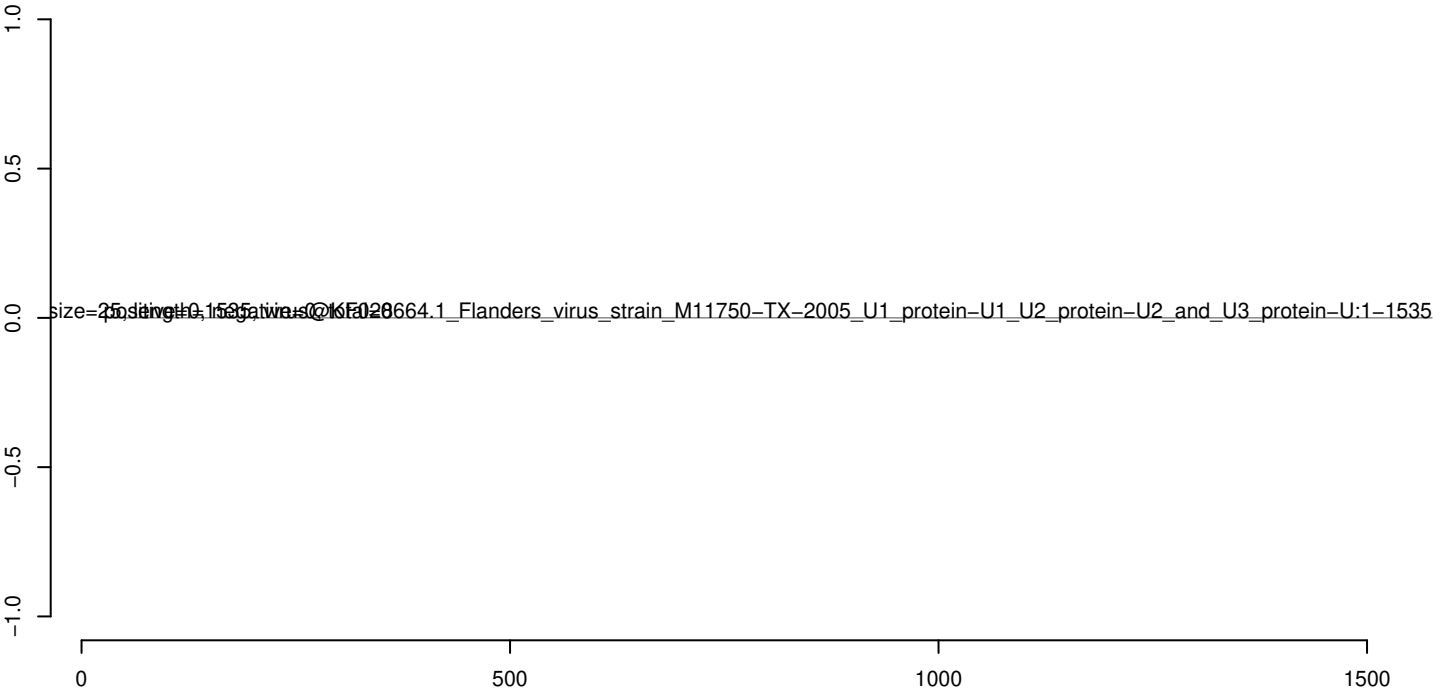
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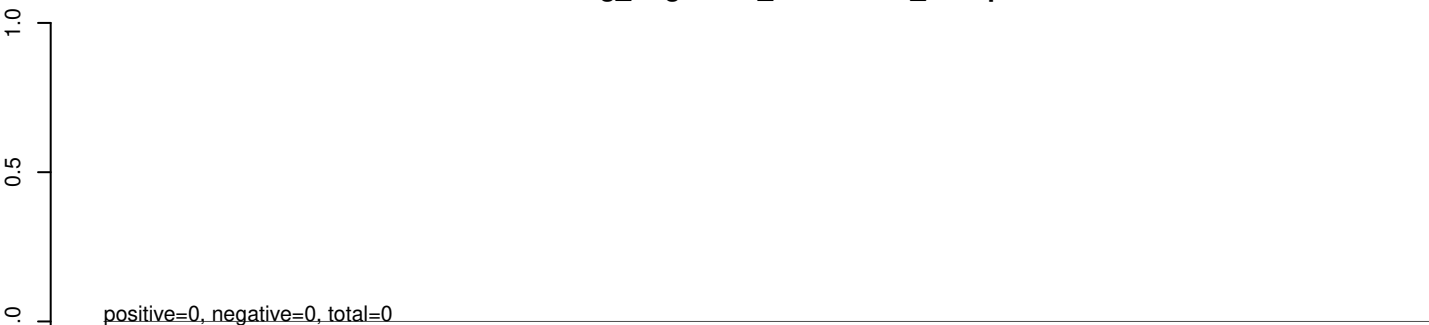
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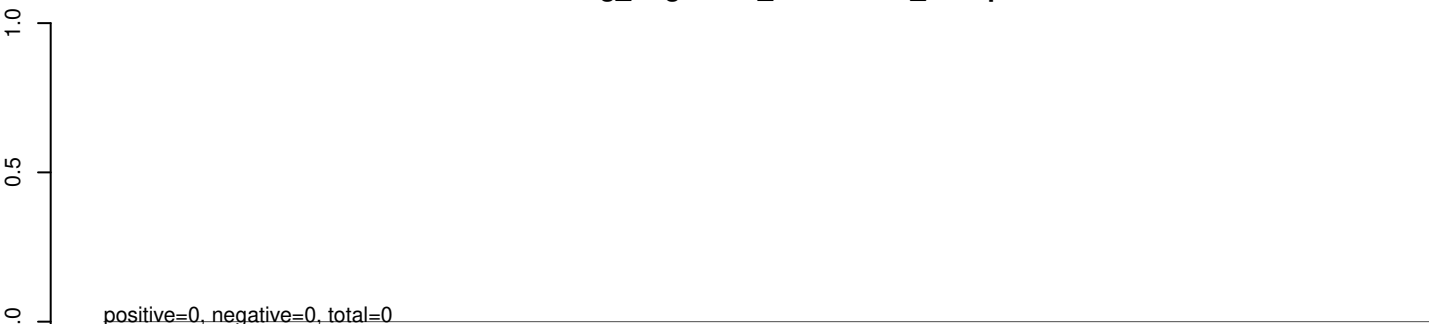
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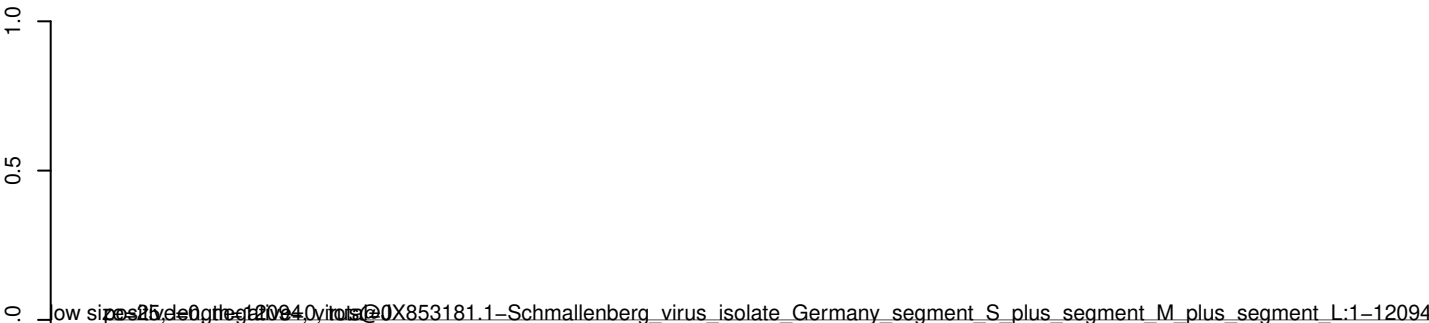
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**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



**AeAeg\_Aag2SINV\_Piwi4.IP.18\_23.rep**



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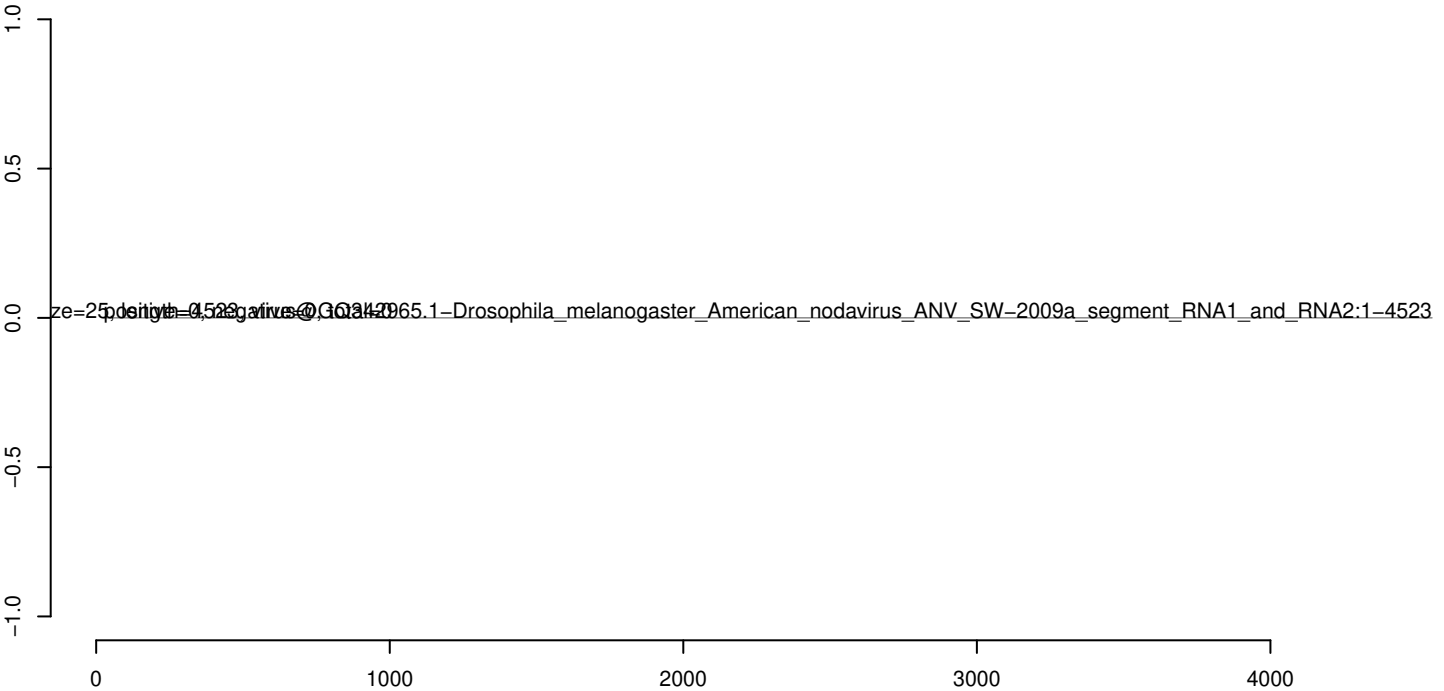
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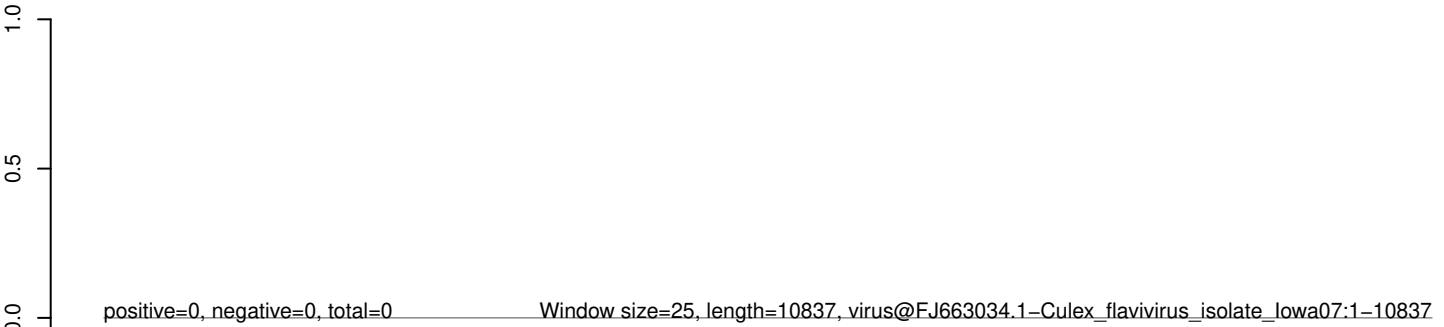
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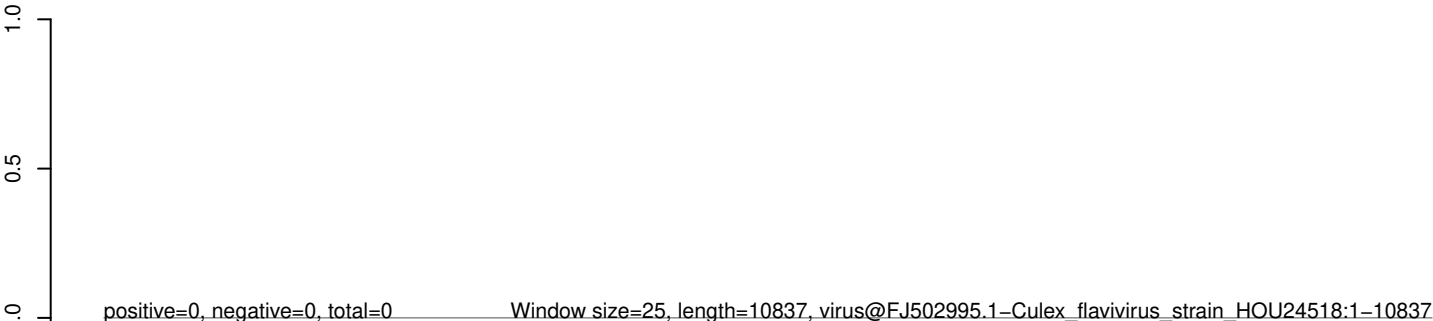
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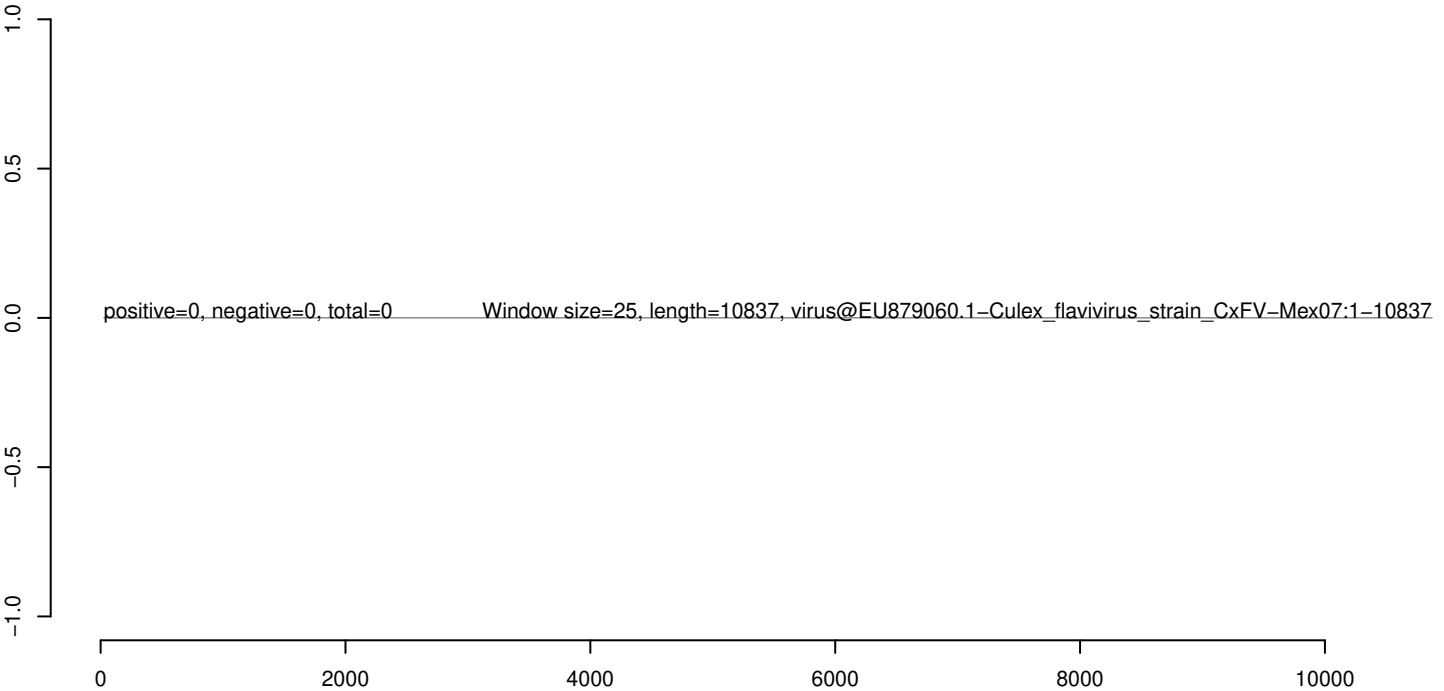
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**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



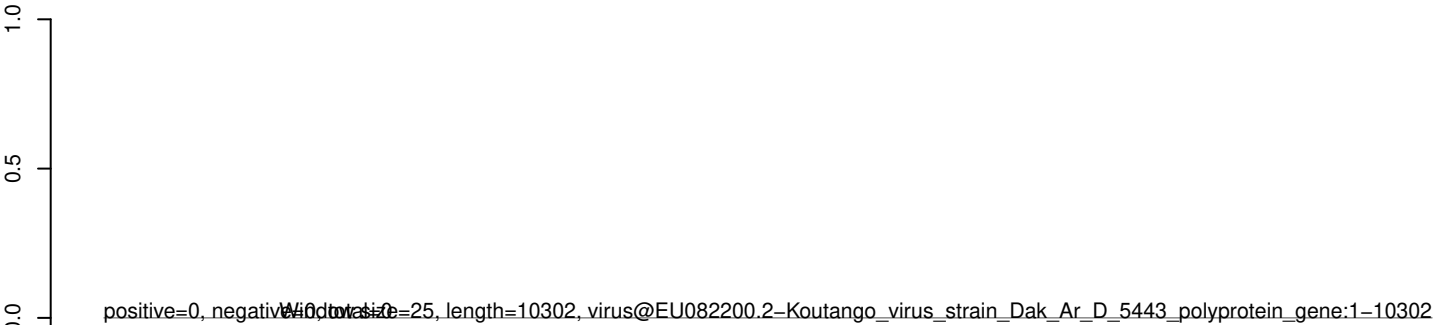
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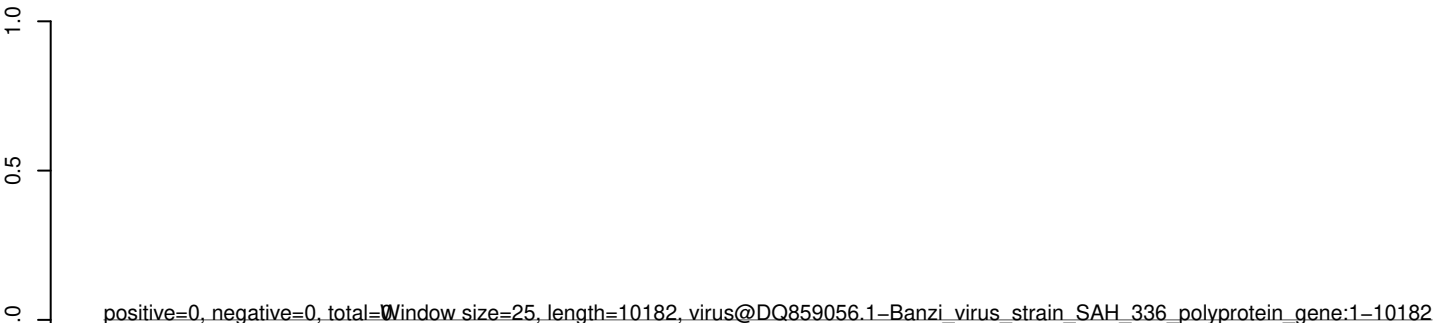
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**AeAeg\_Aag2SINV\_Piwi4.IP.rep**



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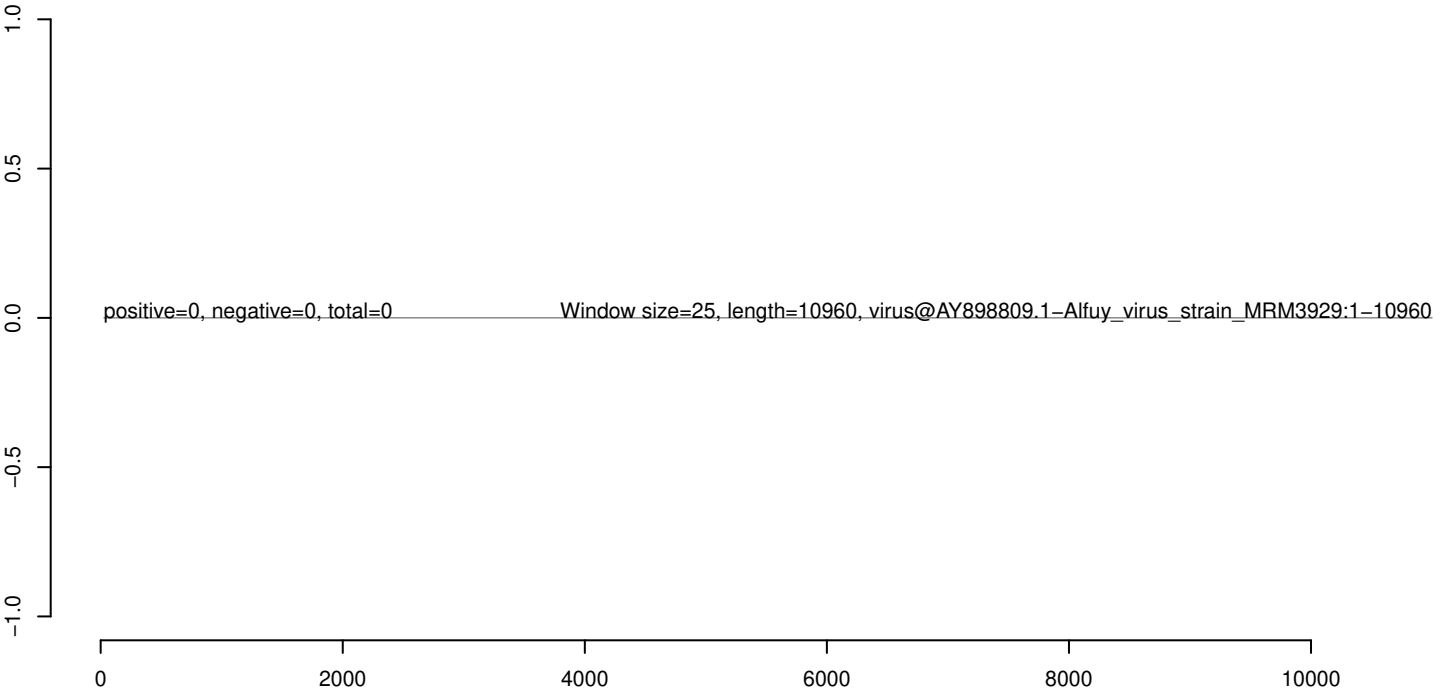
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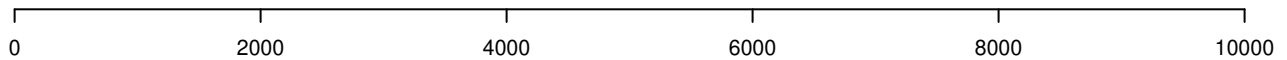
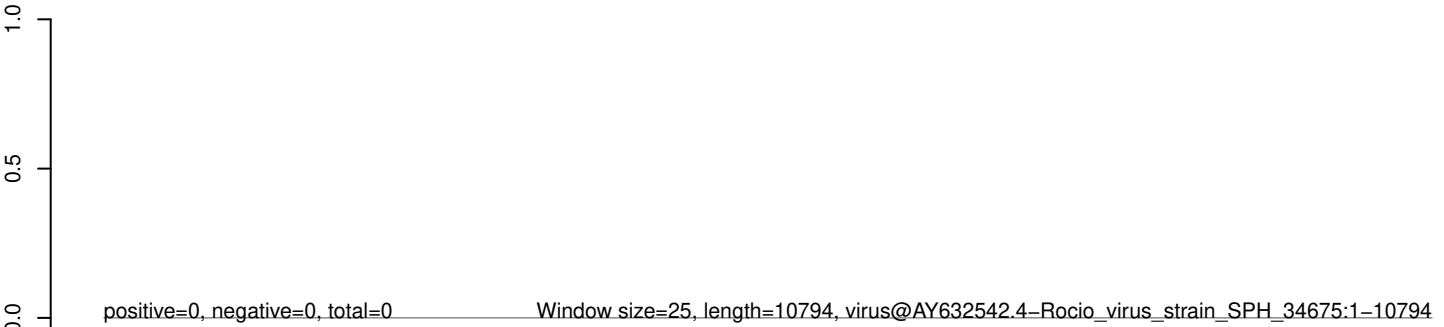
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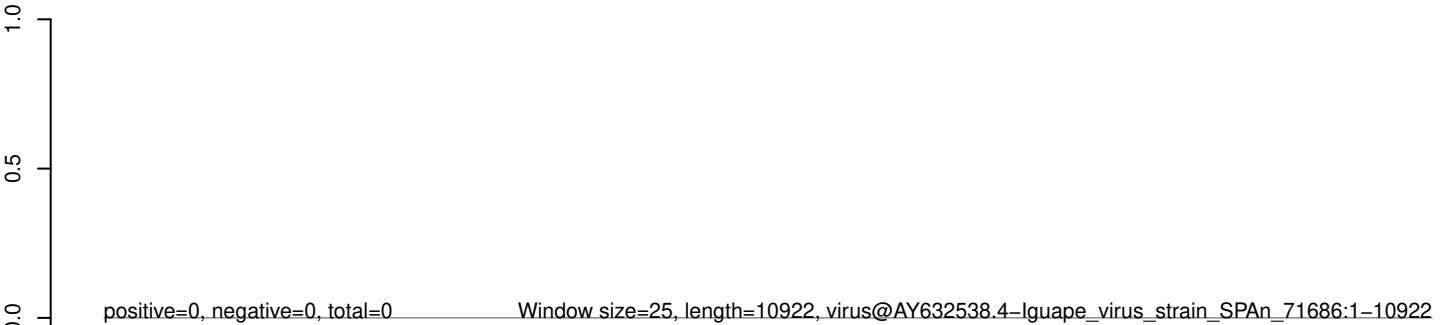
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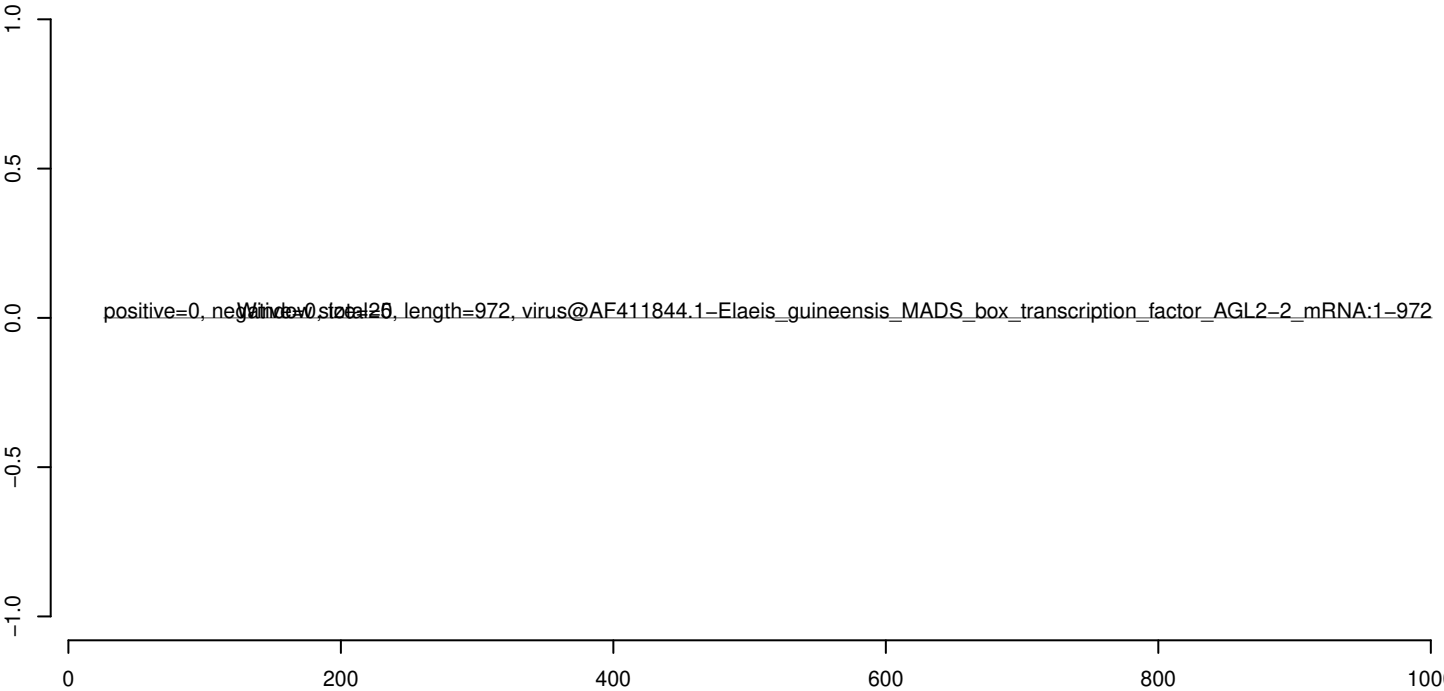
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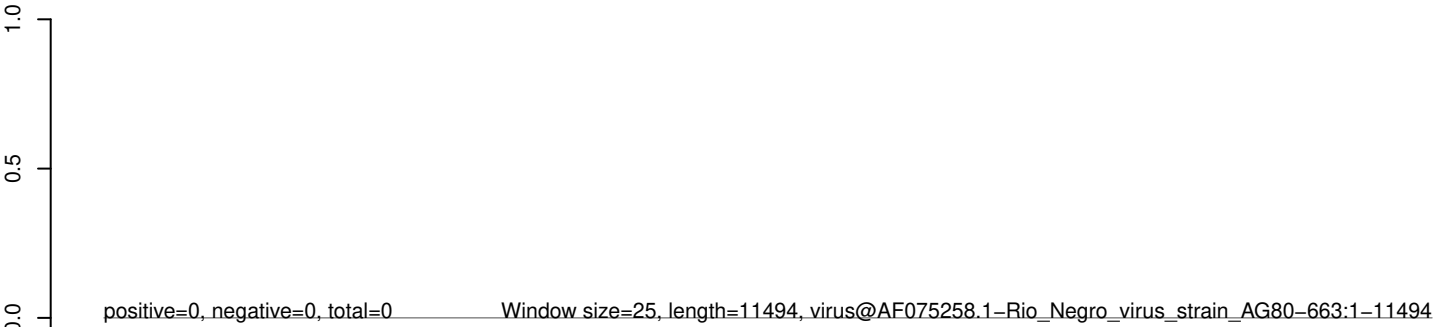
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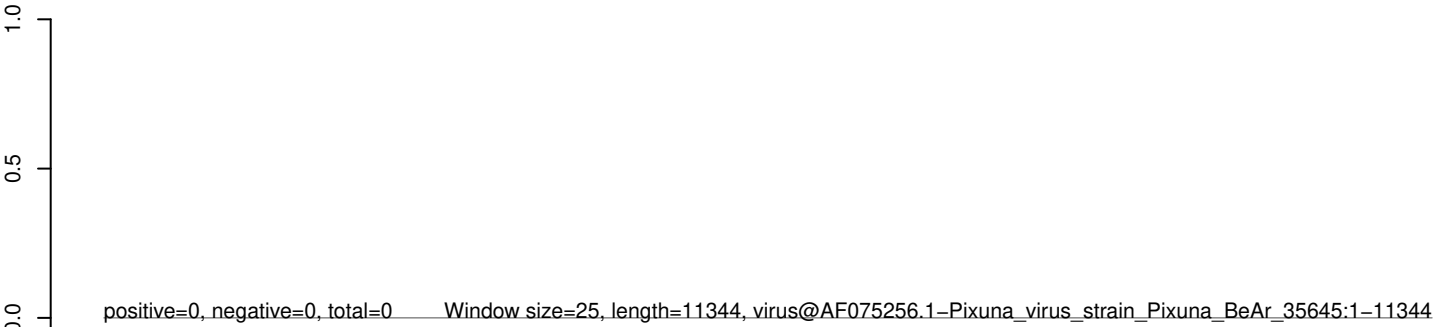
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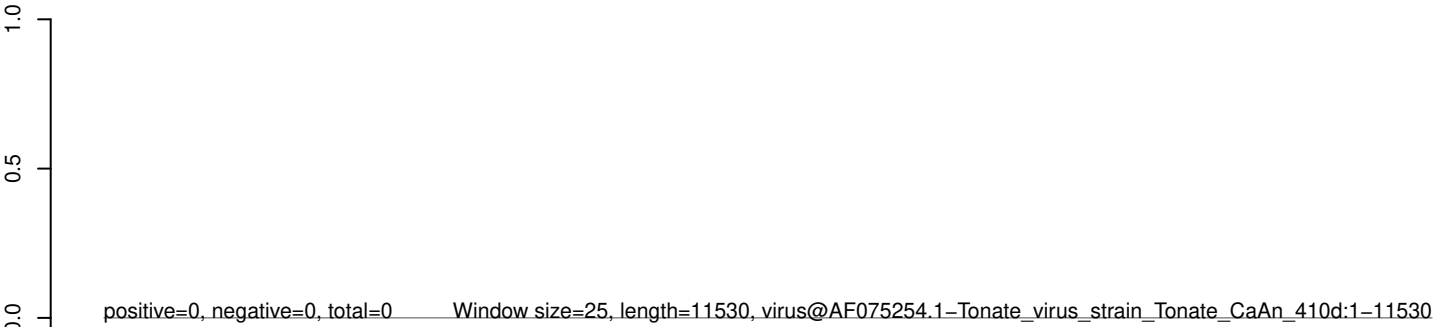
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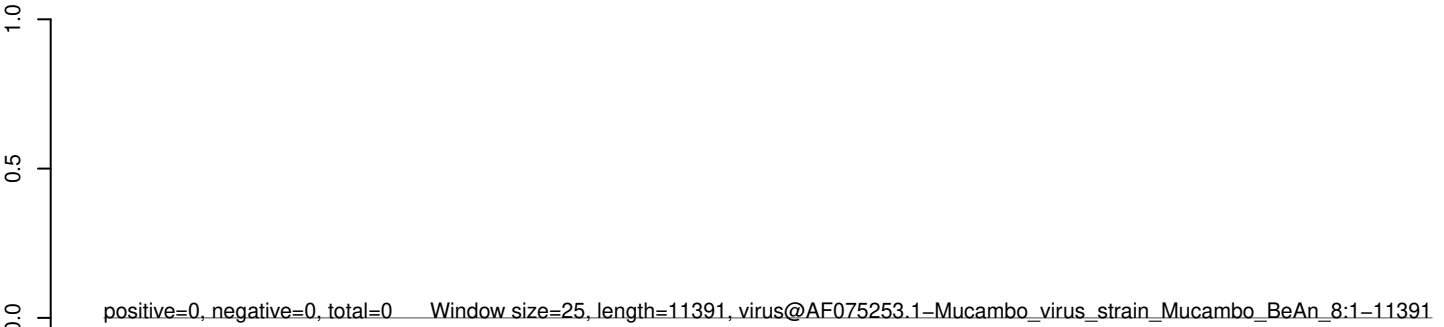
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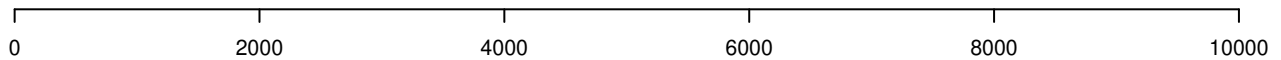
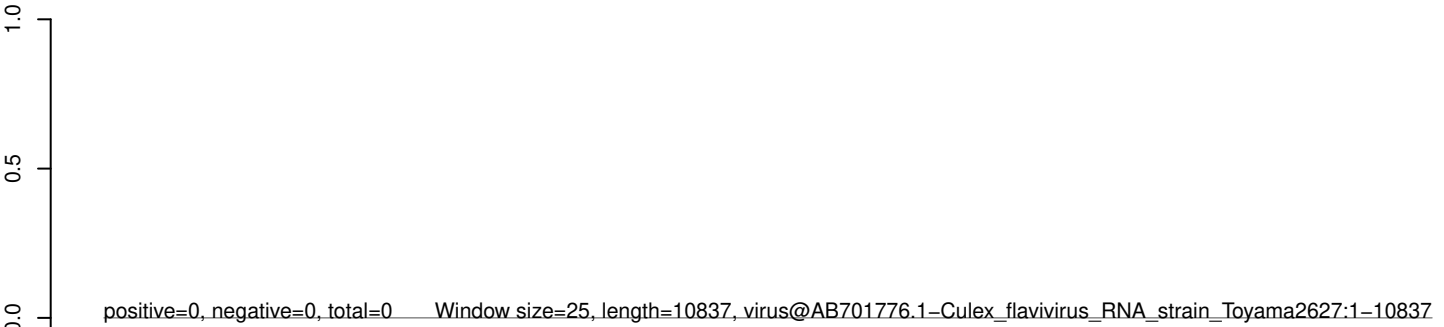
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