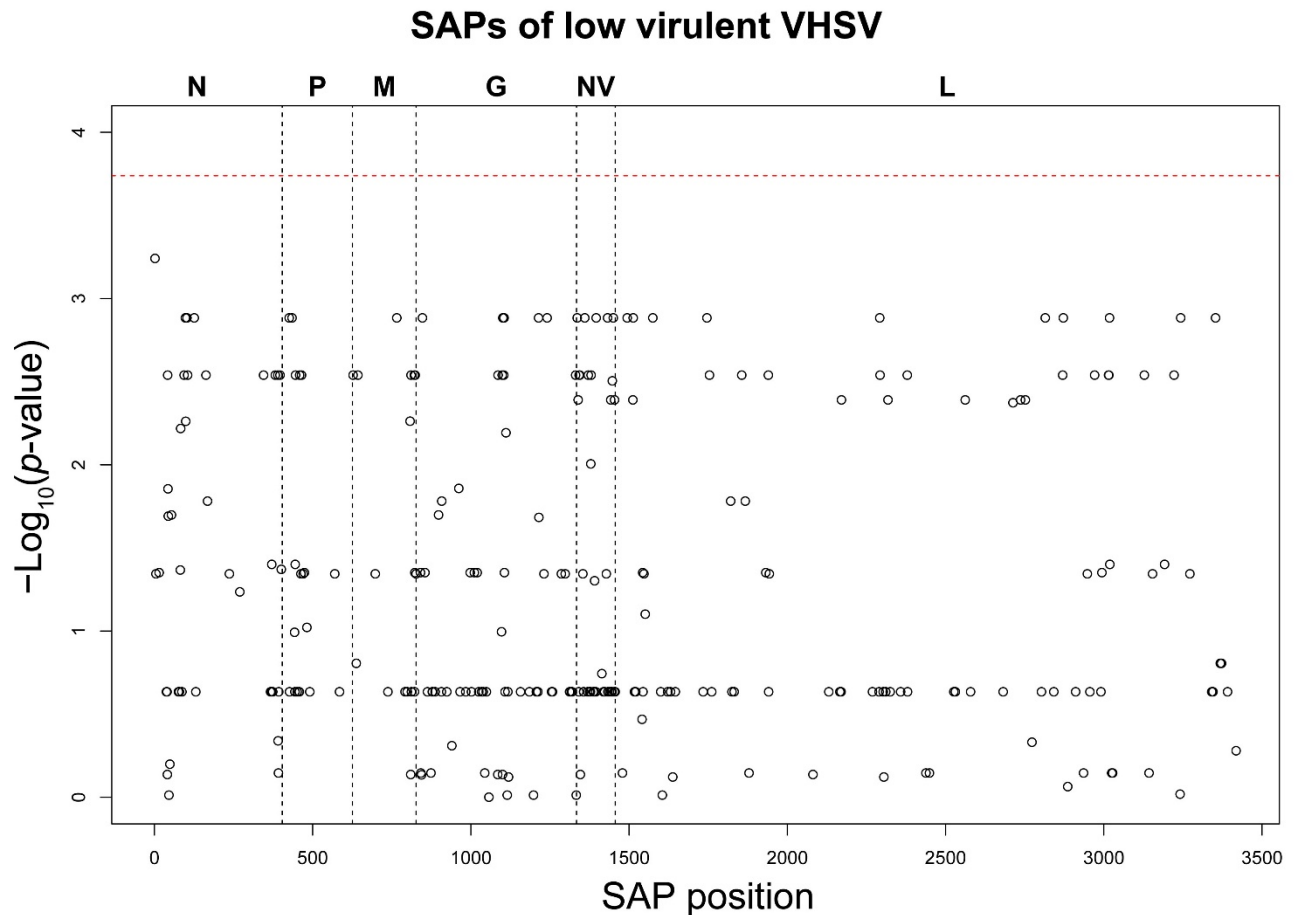


Supplementary Material



Supplementary Figure 2. Manhattan plot of the association analysis conducted on low virulent isolates SAPs and the trait “virulence”. The SAP position along the genome coding regions is displayed on the x -axis, while the y -axis reports the negative logarithm of the association p -value. The red dashed line identifies the association test significance limit. As shown, no SAP was significant associated with virulence in this dataset.