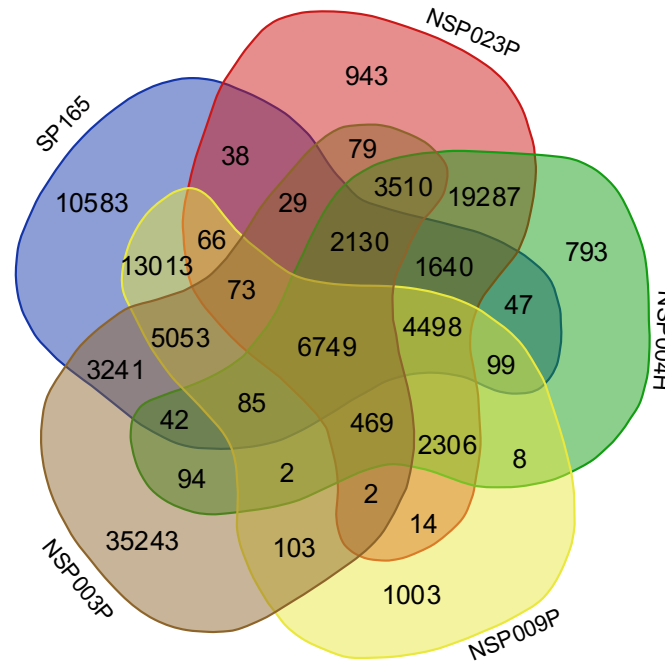
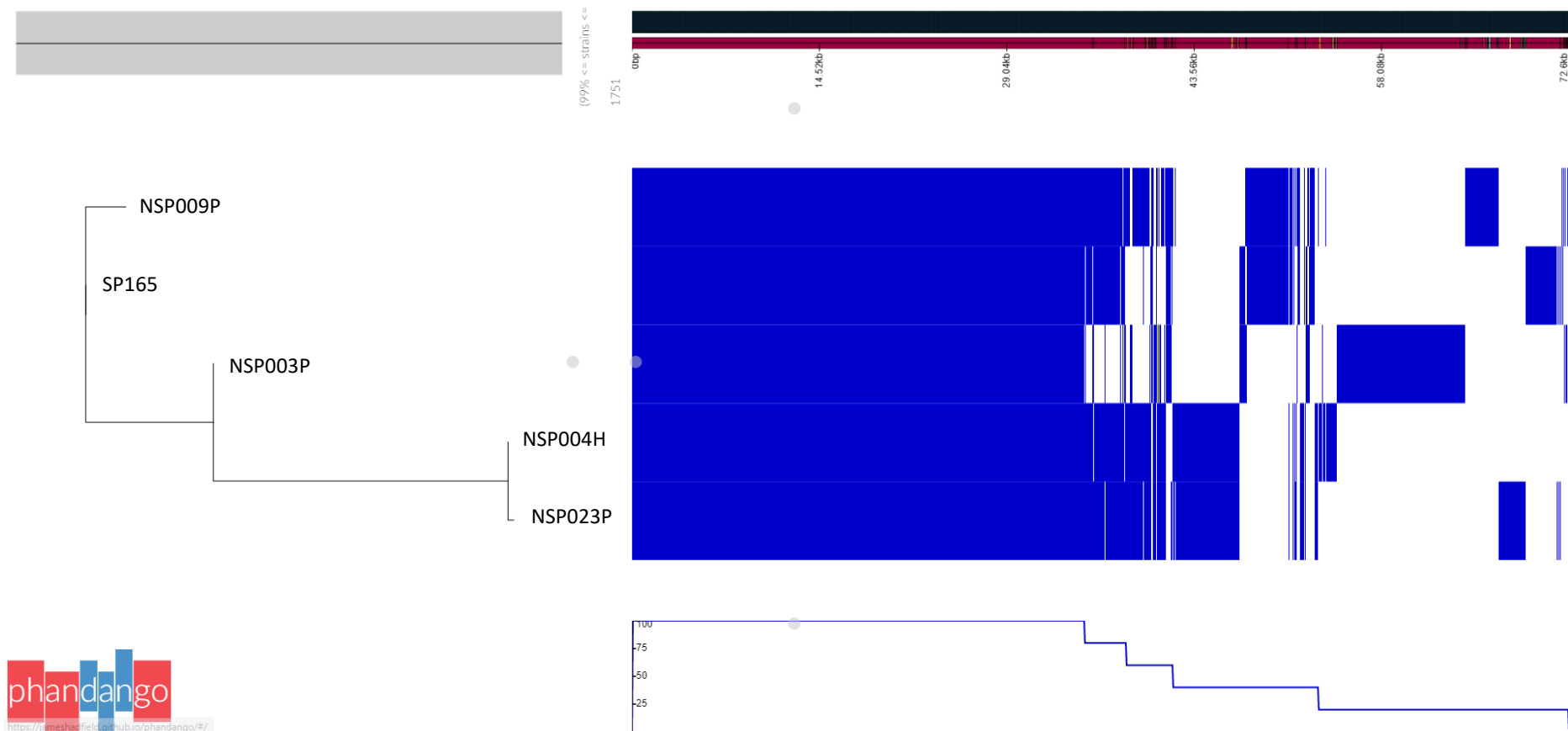


## Supplementary figures



**Figure S1:** Single nucleotide polymorphism (SNP) analysis of *S. pettenkoferi* SP165, NSP003P, NSP009P, NSP023P and NSPH004H using the genome reference FDAARGOS\_288 (GenBank accession n° NZ\_CP022096). The diagram was constructed with Venn diagram ([Draw Venn Diagram \(ugent.be\)](https://www.drawvenndiagram.com/)) based on SNP difference investigation using snipy on galaxy online platform (<https://www.usegalaxy.org.au/>).



**Figure S2:** Pangenome analysis of *S. pettenkoferi* SP165, NSP003P, NSP009P, NSP023P and NSP004H strains. NSP009P clustered with SP165 that explaining the high virulence level expressed by both strains. The same clustering was observed with strains NSP004H and NSP023P with low virulence level. The clustering distance of the strain NSP003P could be confirmed by the genomic distinction previously documented by whole genome annotation.