Compleasm in VGP Phase I

Tom Brown







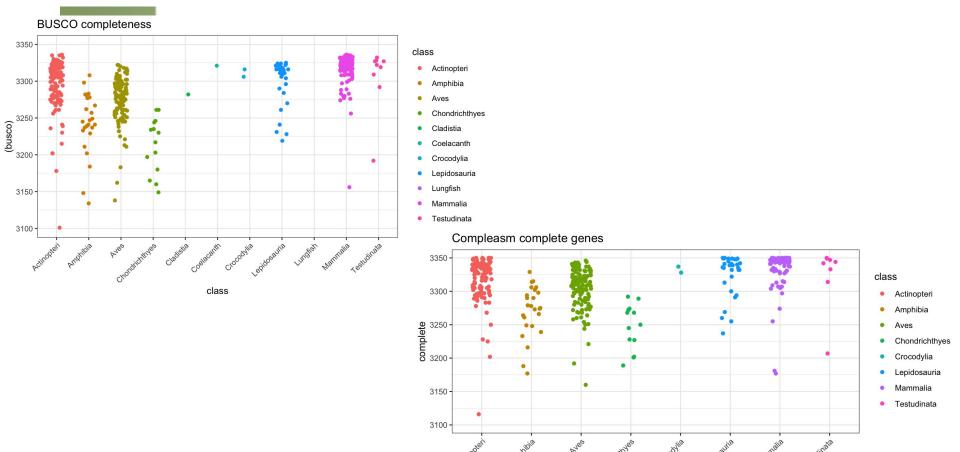


BUSCO -> Compleasm

Comparing statistics from running BUSCO in –miniprot mode and Compleasm using the vertebrata_odb10 database

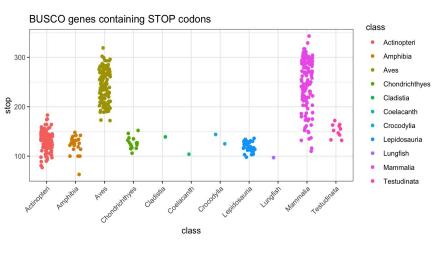
While BUSCO reports number of genes containing stop codons, Compleasm reports the number of frameshift events in complete matches. Here I have counted the number of BUSCO genes found with at least one frameshift event

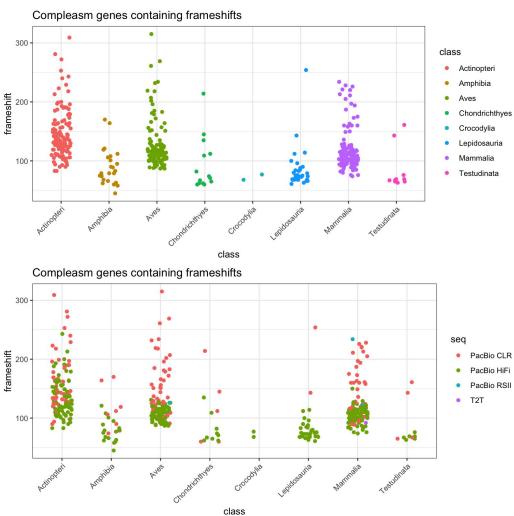
Gene Completeness per Class



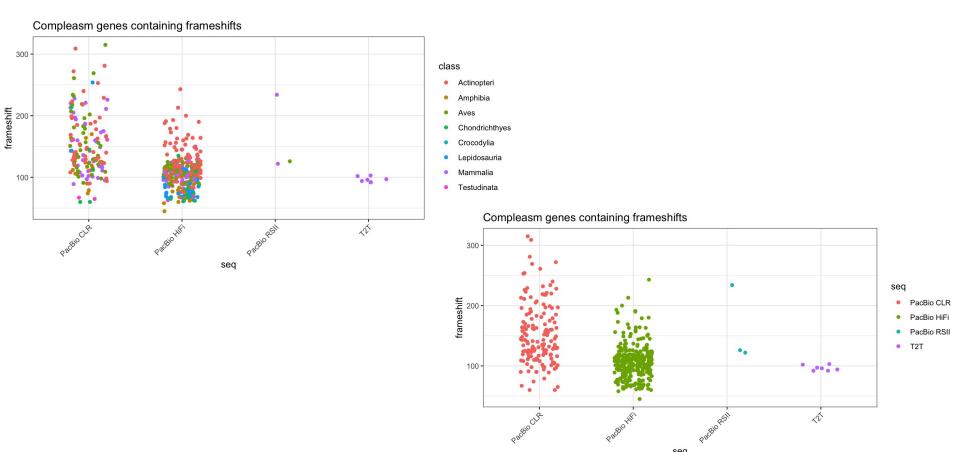
class

Stop Codons vs Frameshifts

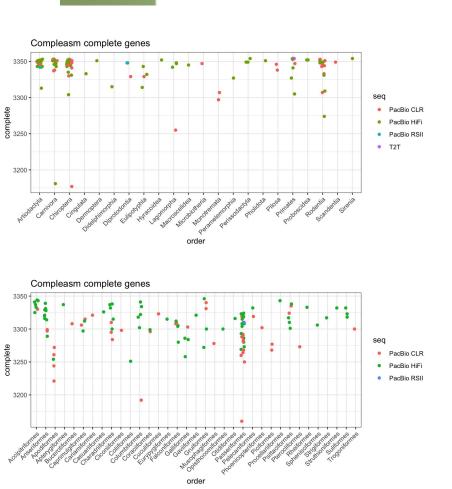


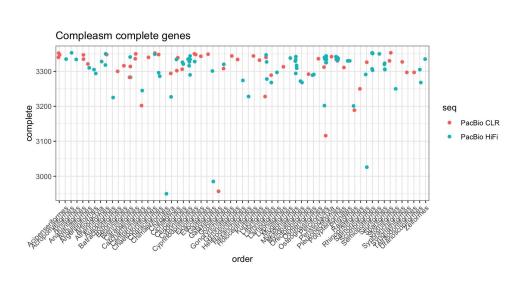


Frameshift events - per sequencing technology

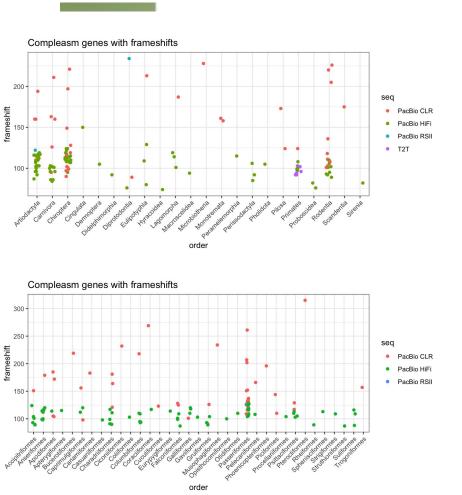


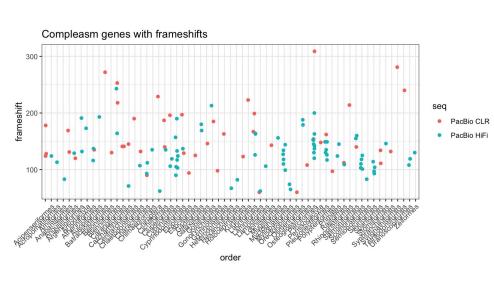
Complete genes in mammals, birds and fish



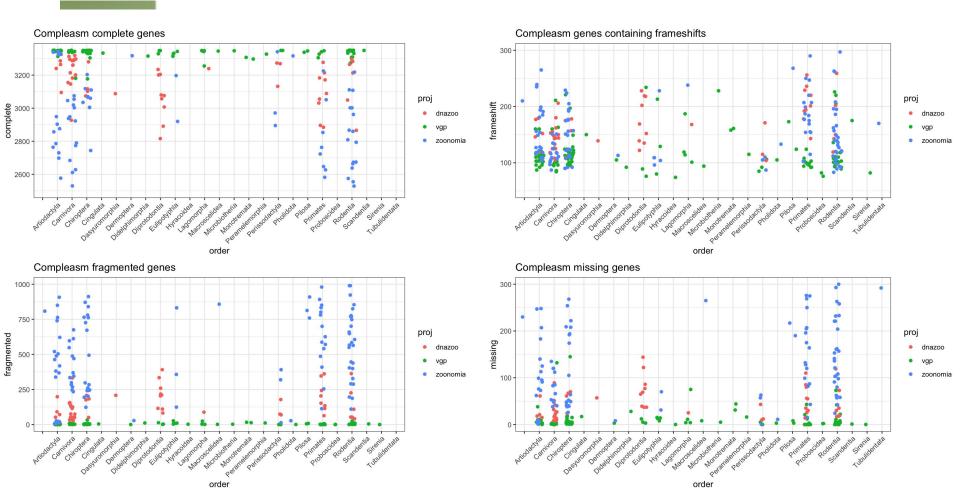


Frameshift events in mammals, birds and fish



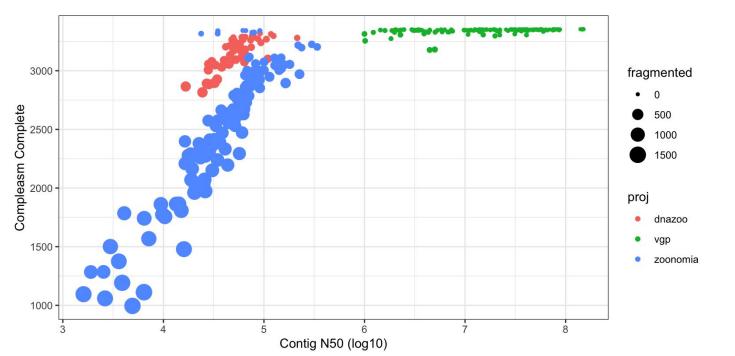


Compleasm - VGP vs DNAZoo vs Zoonomia



Compleasm & Contiguity - VGP vs DNAZoo vs Zoonomia

Mammalian genomes
Compleasm completeness vs Contig N50
Coloured by project, size is number of Fragmented genes from Compleasm



Appendix

