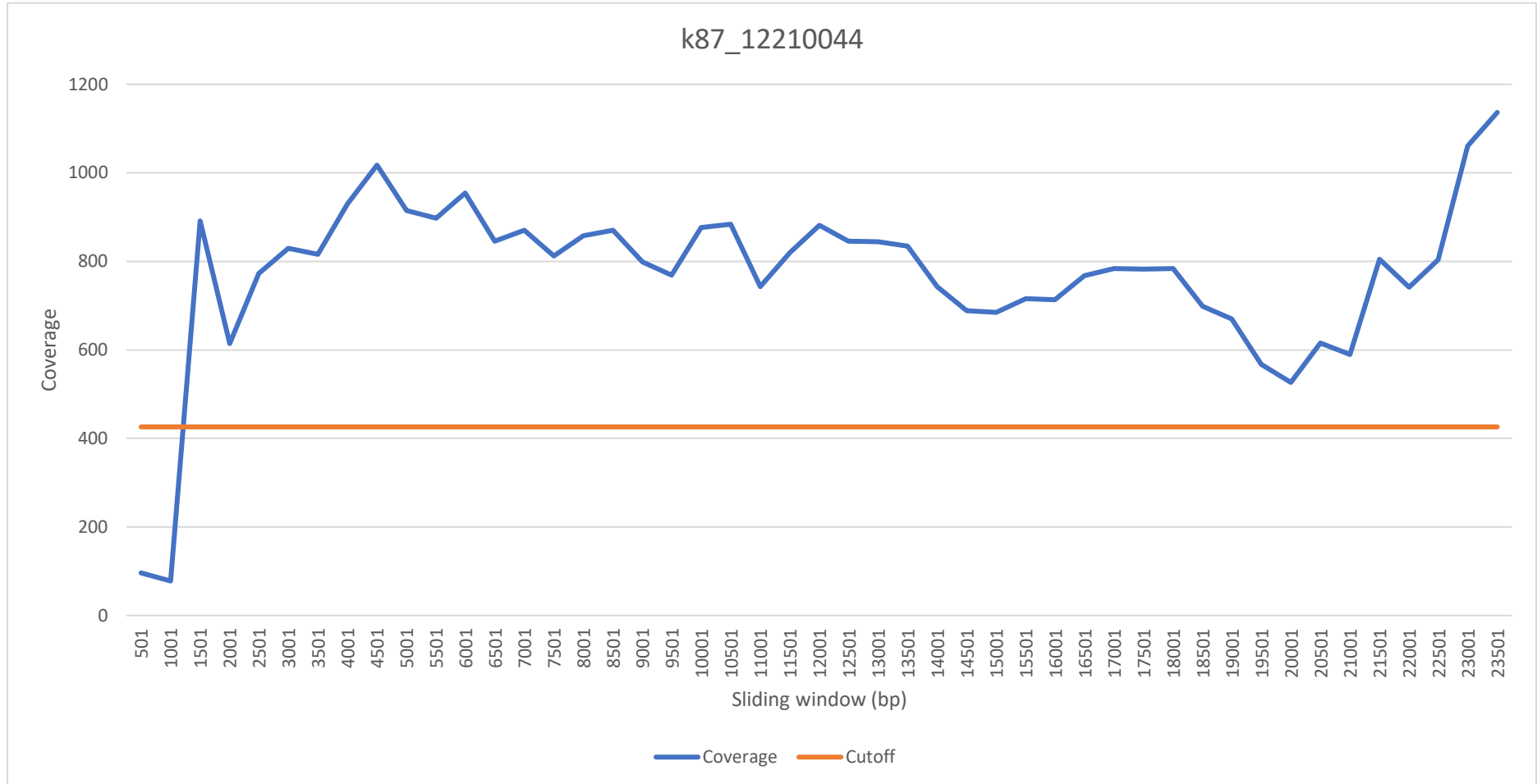


Supplementary figure 1

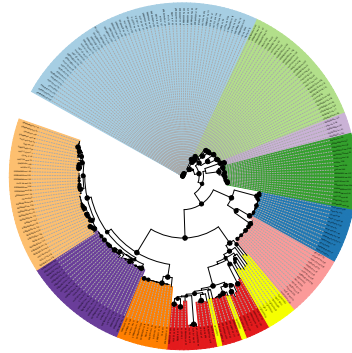




# Supplementary figure 3

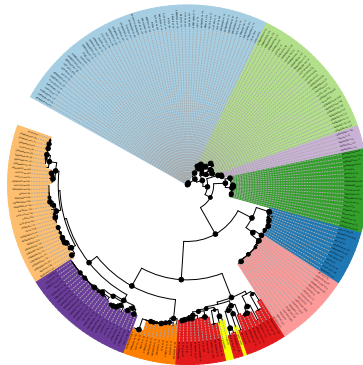
## Primase

Tree scale: 1



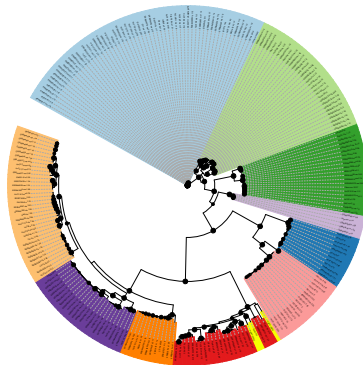
## Terminase

Tree scale: 0.1



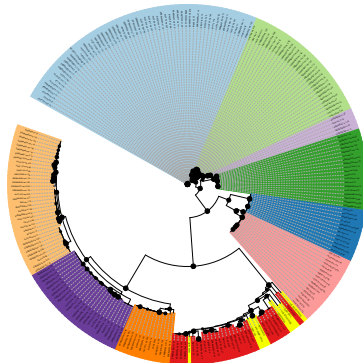
## Portal

Tree scale: 0.1

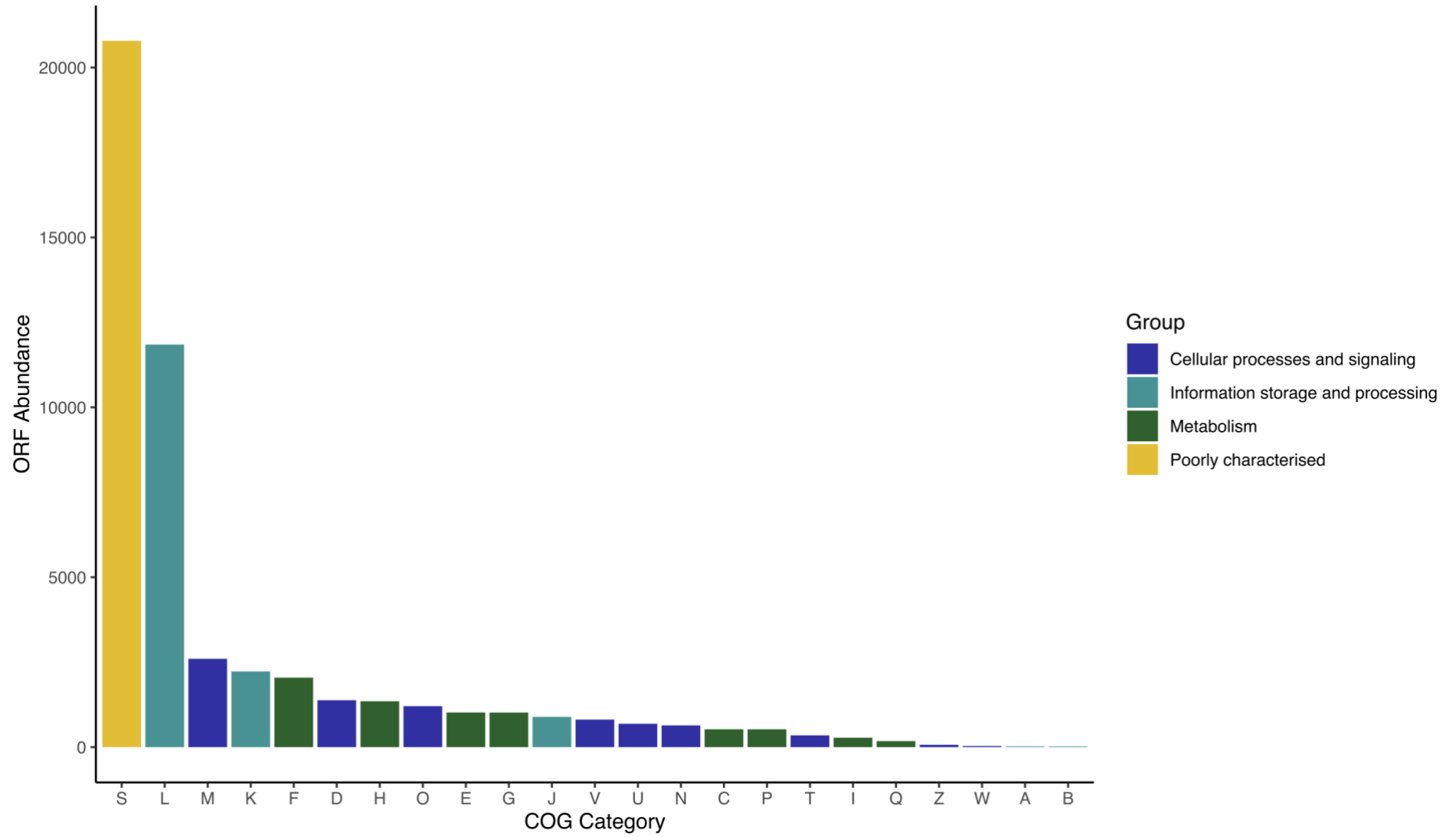


## Major Capsid Protein

Tree scale: 0.1

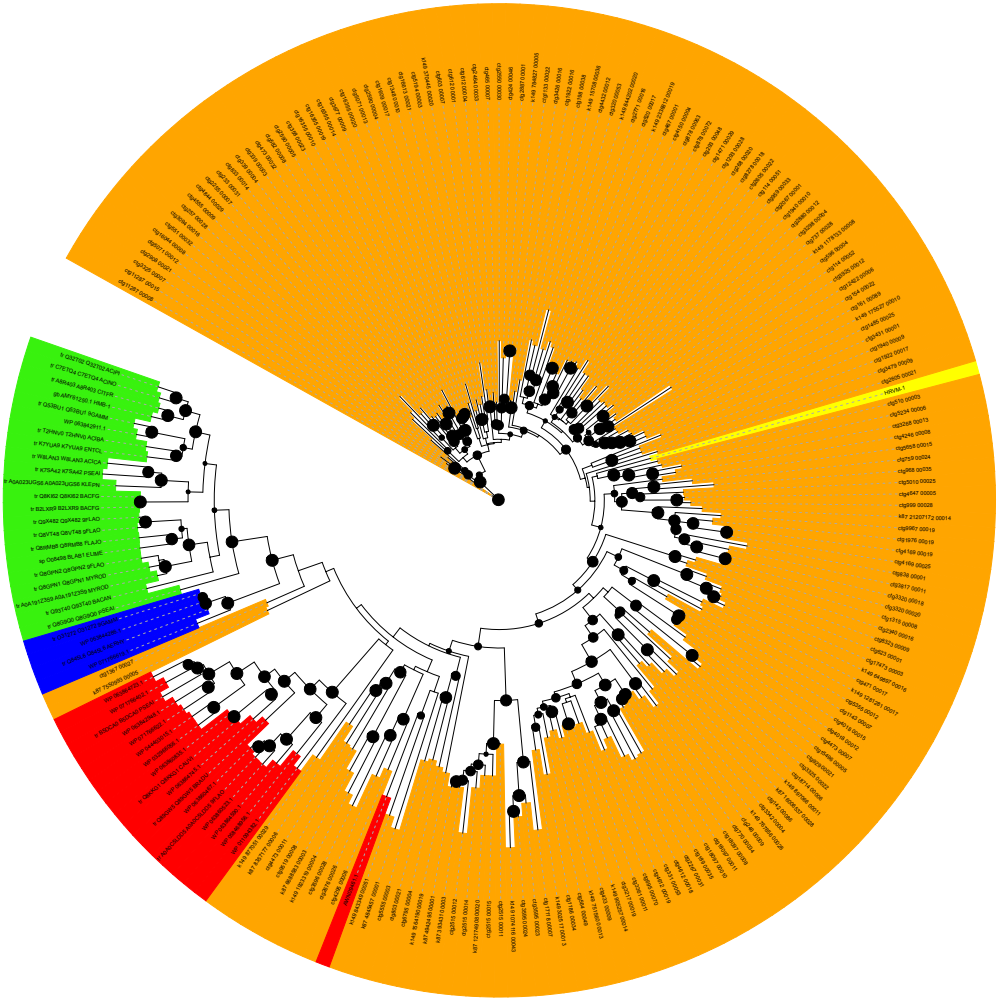


Supplementary figure 4



Supplementary figure 5

Tree scale: 1



Supplementary figure 6

Tree scale: 1

**Viral Families**

- ★ Ackermannviridae
- ★ Autographviridae
- ★ Chaseviridae
- ★ Corticoviridae
- ★ Cystoviridae
- ★ Demereciviridae
- ★ Drexelviridae
- ★ Herelleviridae
- ★ Inoviridae
- ★ Leviridae
- ★ Lightbulbvirus
- ★ Microviridae
- ★ Myoviridae
- ★ Plasmaviridae
- ★ Podoviridae
- ★ Siphoviridae
- ★ Sphaerolipoviridae

