



Figure 6: A Repeat length distribution of the *FASLG* gene across different species in the Rodentia clade. The phylogenetic tree is downloaded from the TimeTree website. The repeats are plotted at their respective relative position along the gene. The number in brackets represents the number of nucleotides making the repeat stretch. The red box represents the group of species with significantly longer repeat length, and the blue box represents significantly shorter repeat length. **B** We downloaded the secondary structure of the *FASLG* gene from the Protter website for *Cricetulus griseus* and

Rattus norvegicus. **C** The protein structure of the *FASLG* gene is visualized in ChimeraX. The top protein structure is of the *FASLG* gene of *Cricetulus griseus* modeled by SWISS-MODEL. The bottom protein structure is the *FASLG* gene in *Rattus norvegicus* downloaded from AlphaFold Protein Structure Database.