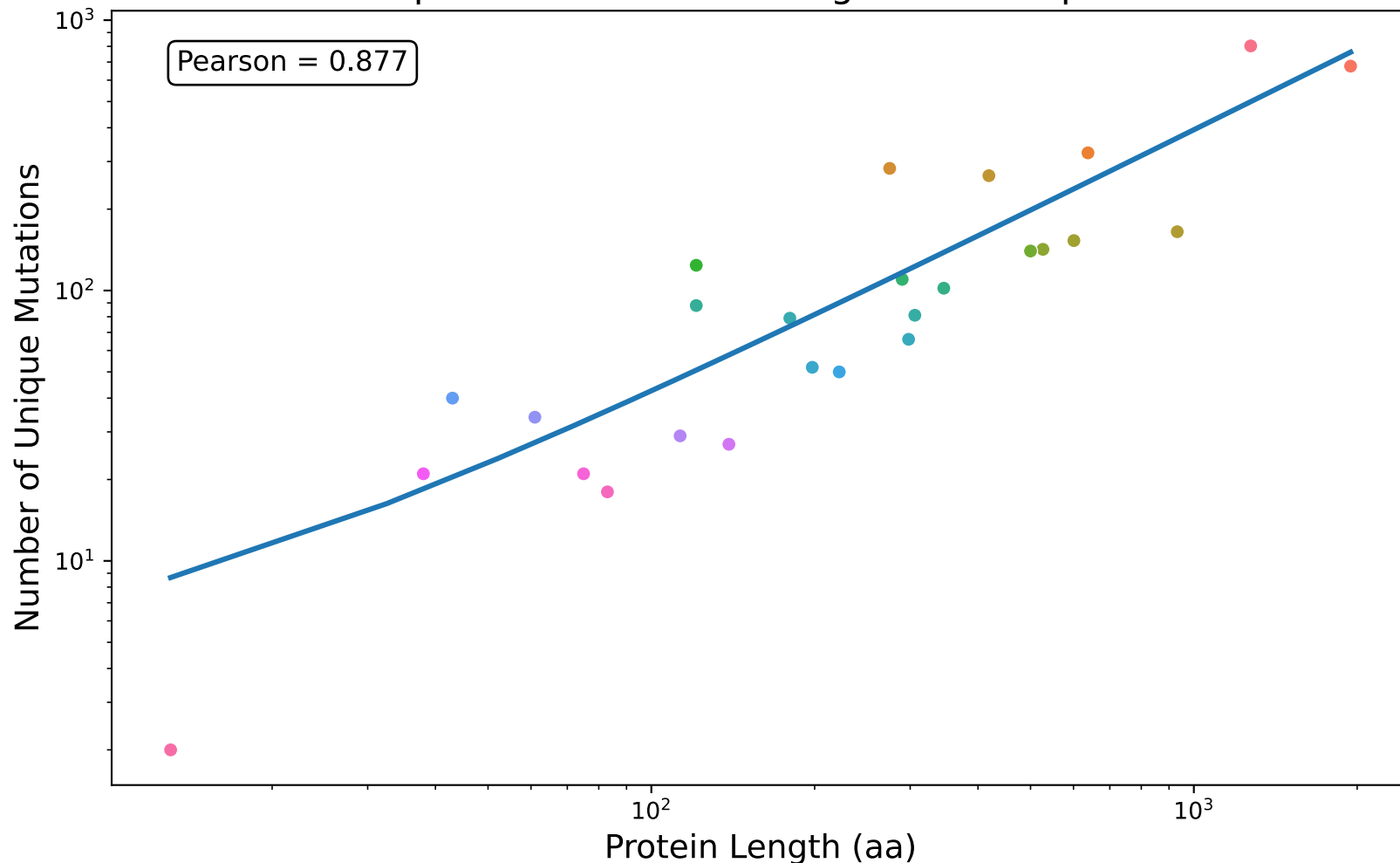


Relationship between Protein Length and Unique Mutations



Protein

- | | | | |
|--------------------------------|------------------------|---------------------------------|--------------------|
| ● surface glycoprotein | ● 3'-to-5' exonuclease | ● leader protein | ● nsp9 |
| ● nsp3 | ● nsp4 | ● 2'-O-ribose methyltransferase | ● nsp10 |
| ● nsp2 | ● ORF8 protein | ● nsp8 | ● ORF10 protein |
| ● ORF3a protein | ● nsp6 | ● membrane glycoprotein | ● envelope protein |
| ● nucleocapsid phosphoprotein | ● endoRNase | ● ORF7b | ● nsp7 |
| ● RNA-dependent RNA polymerase | ● ORF7a protein | ● ORF6 protein | ● nsp11 |
| ● helicase | ● 3C-like proteinase | | |