Supplementary Material

# Supplementary Figures and Tables

## Supplementary Figures

****

**Supplementary Figure 1.** Structure and signal peptide identification of XP\_022108099.1, XP\_022096454.1, and XP\_022097466.1.

## Supplementary Tables

**Supplementary Table 1.** Results of Foldseek alignment between the COTS structural proteome and AlphaFold Clusters.

**Supplementary Table 2.** Foldseek clustering of the COTS structural proteome.

**Supplementary Table 3.** Uncharacterized proteins aligned to known proteins.

**Supplementary Table 4.** Uncharacterized clusters.

**Supplementary Table 5.** Results of AlphaFill ligand transplanting.

**Supplementary Table 6.** Results of DeepFRI GO annotation with scores larger than 0.5.

**Supplementary Table 7.** Results of GO enrichment analysis of representative uncharacterized proteins.