**REAL DATA ANALYSIS**

**To Do:**

1. 4 Data sets (13 taxa on each data set)
2. Generate Guide Tree in PRANK
3. Use tree from PRANK in ProPIP to align the MSA (use Un-gapped sequence)
4. Align using PRANK (use Un-gapped sequence)
5. Align using MAFFT
6. Compare Inferred MSA from ProPIP with TRUE MSA from PIP ???
7. Compare Inferred MSA from PRANK with TRUE MSA from PIP ???
8. Compare Inferred MSA from MAFFT with TRUE MSA from PIP ???
9. Compare Inferred MSA from ProPIP with TRUE MSA from INDELible ???
10. Compare Inferred MSA from PRANK with TRUE MSA from INDELible ???
11. Compare Inferred MSA from MAFFT with TRUE MSA from INDELible ???

Dear all,

INDELible DATA

PIP DATA

Real DATA

PRANK

MAFFT

ProPIP