

Supplementary Data

1.1 Training set

1.1.1 SS composition

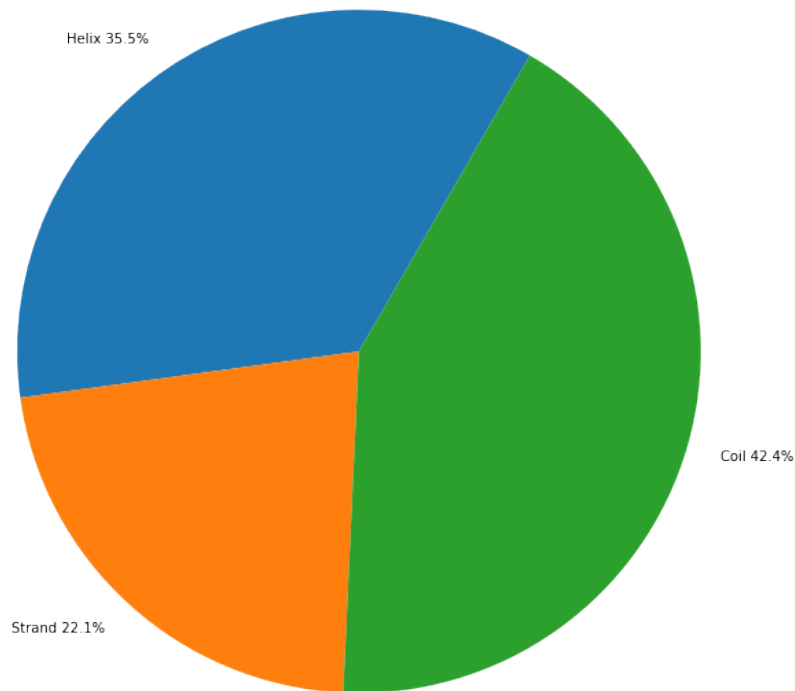


Fig. S 2. Secondary structure composition of the training set.

1.1.2 Residue composition

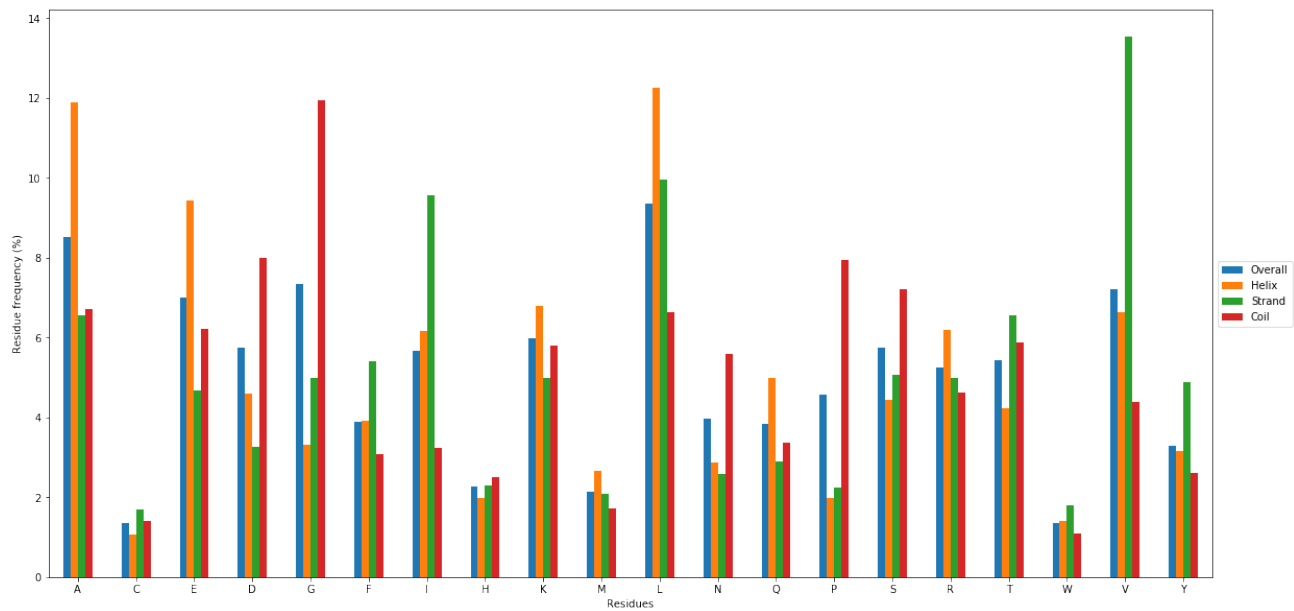


Fig. S 3. Residue composition of the training set.

1.1.3 Residue composition: windows (helix vs strand)

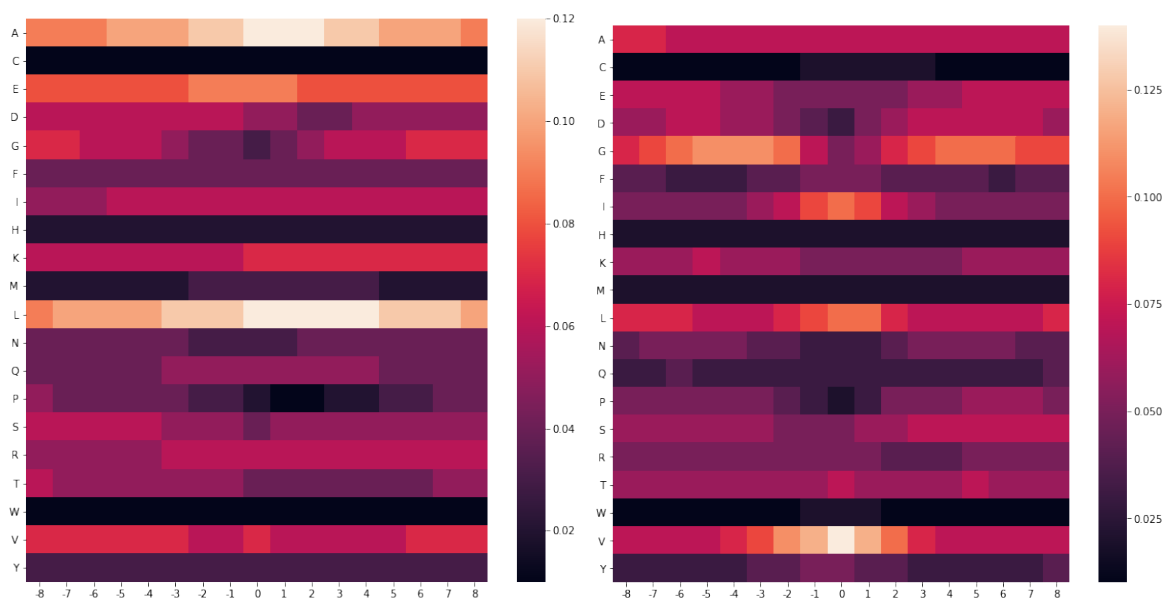


Fig. S 4. Window residue composition of the training set. On the left the composition of a 17-residue window whose central residue's conformation is helix. On the right the composition of a 17-residue window whose central residue's conformation is strand.

1.1.4 Taxonomic classification: kingdom

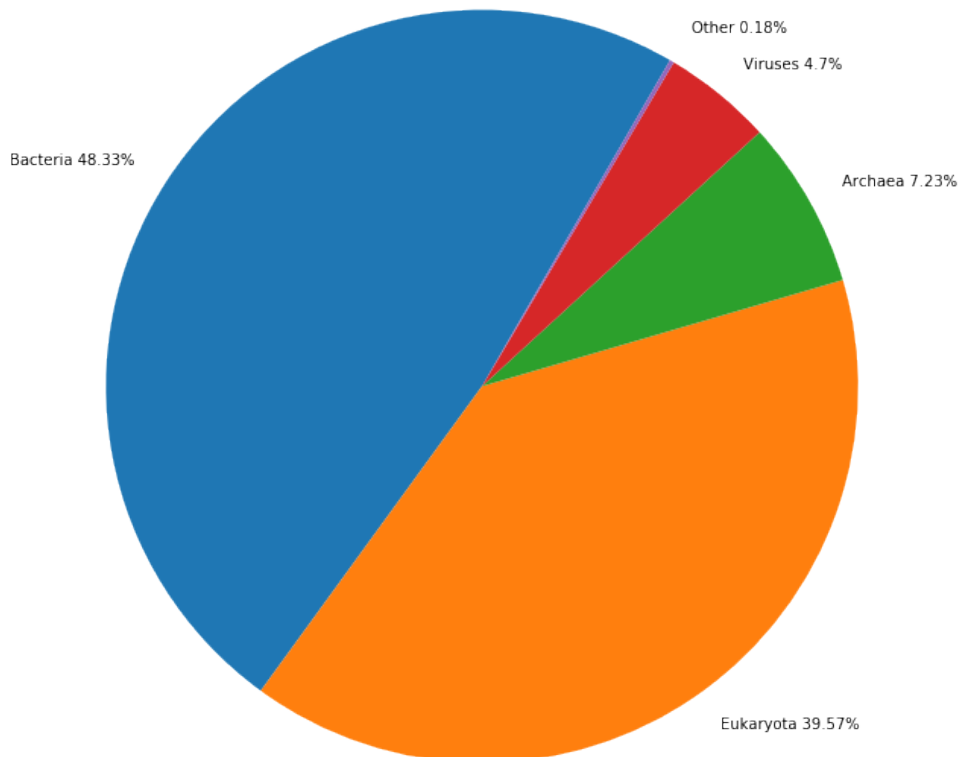


Fig. S 5. Taxonomic classification for sequences of the training set grouped by kingdom.

1.1.5 Taxonomic classification: species

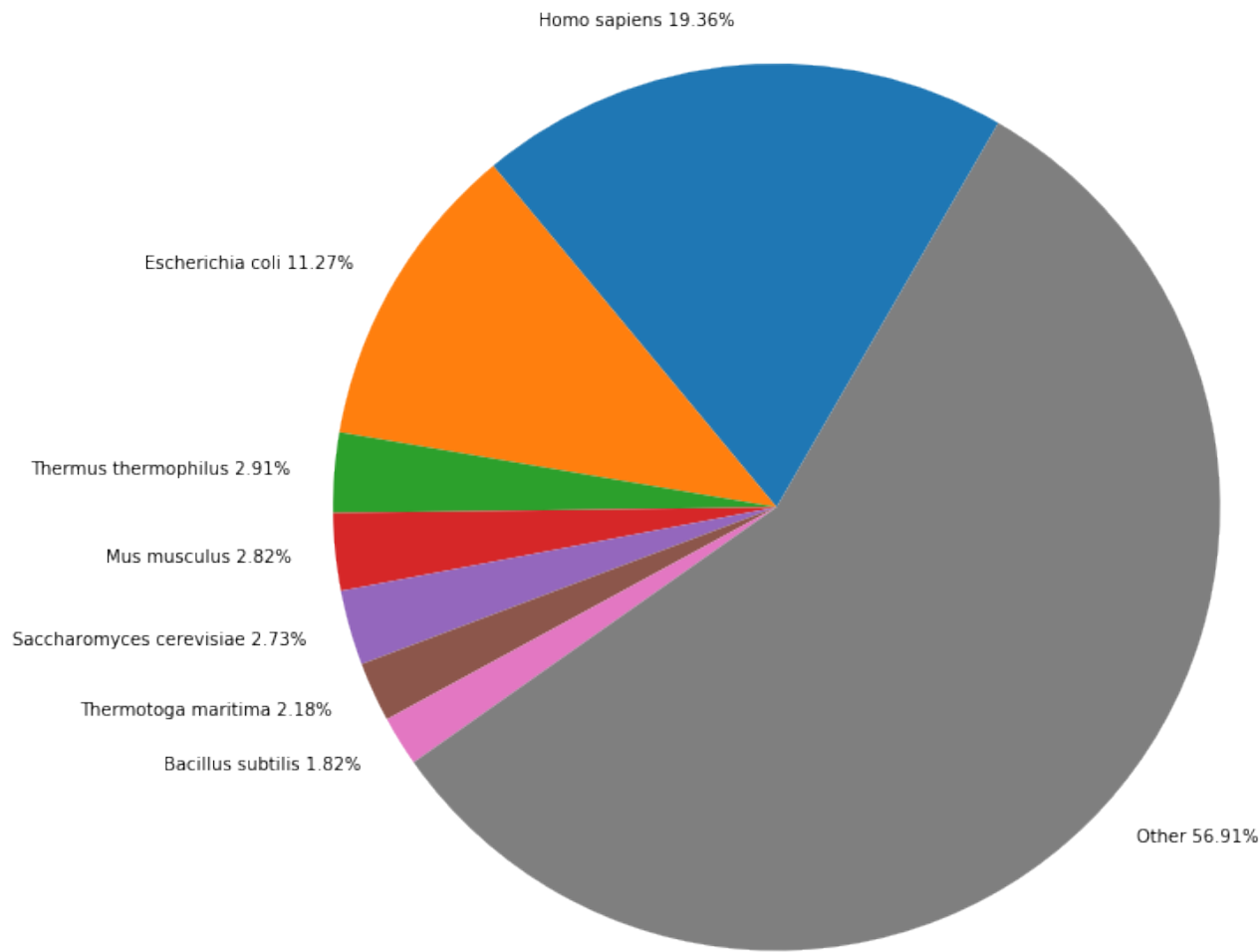


Fig. S 6. Taxonomic classification for sequences of the training set grouped by species.

1.2 Blind test set

1.2.1 SS composition

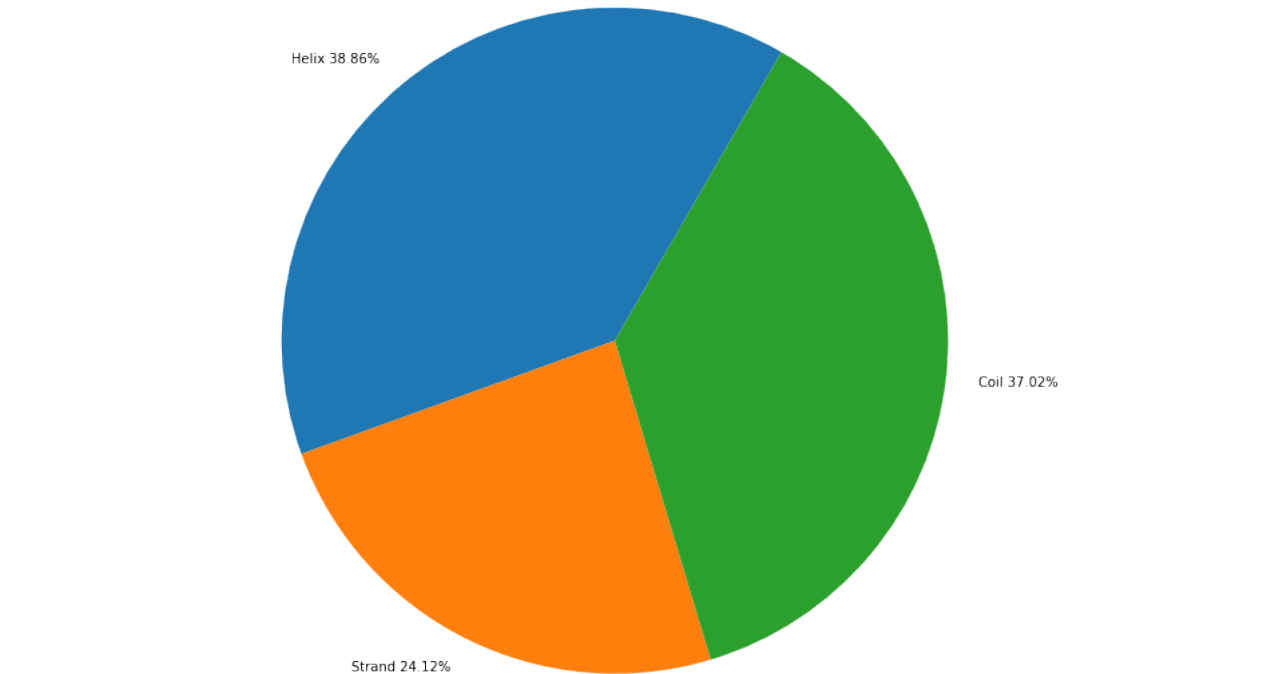


Fig. S 7. Secondary structure composition of the blind test set.

1.2.2 Residue composition

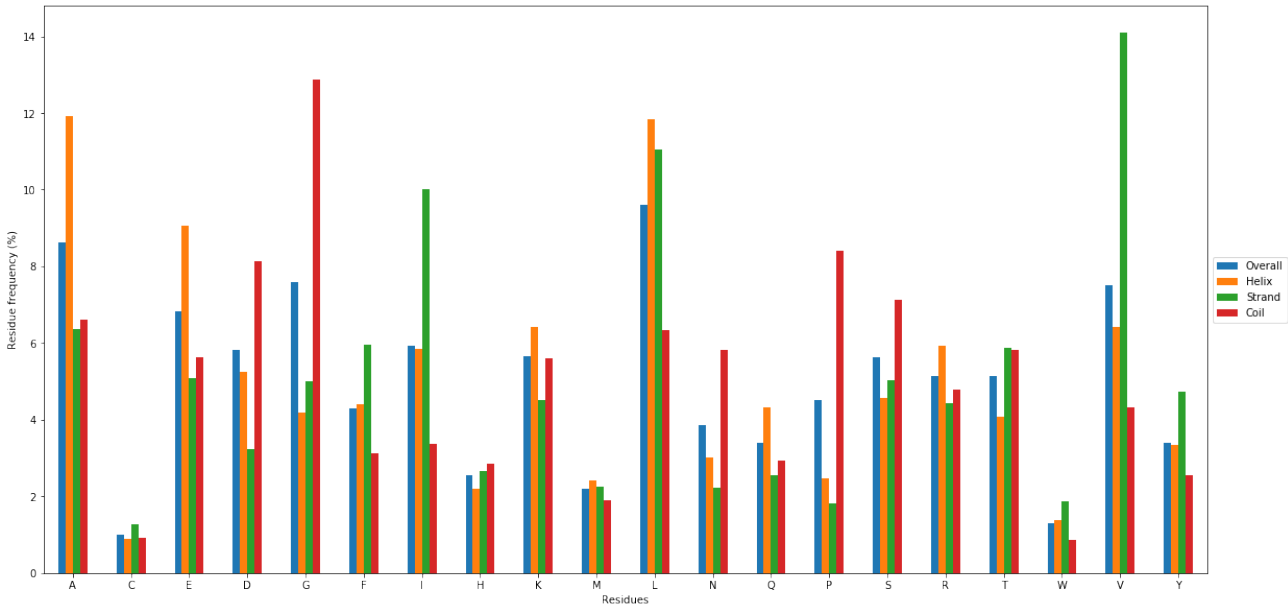


Fig. S 8. Residue composition of the blind test set.

1.2.3 Residue composition: windows (helix vs strand)

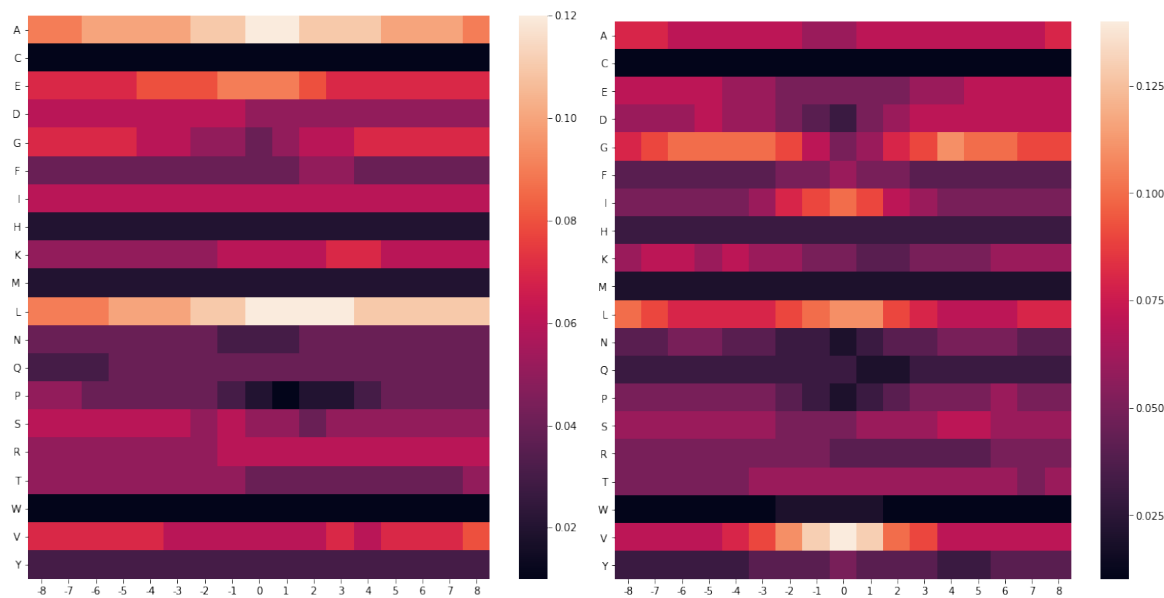


Fig. S 9. Window residue composition of the blind test set. On the left the composition of a 17-residue window whose central residue's conformation is helix. On the right the composition of a 17-residue window whose central residue's conformation is strand.

1.2.4 Taxonomic classification: kingdom

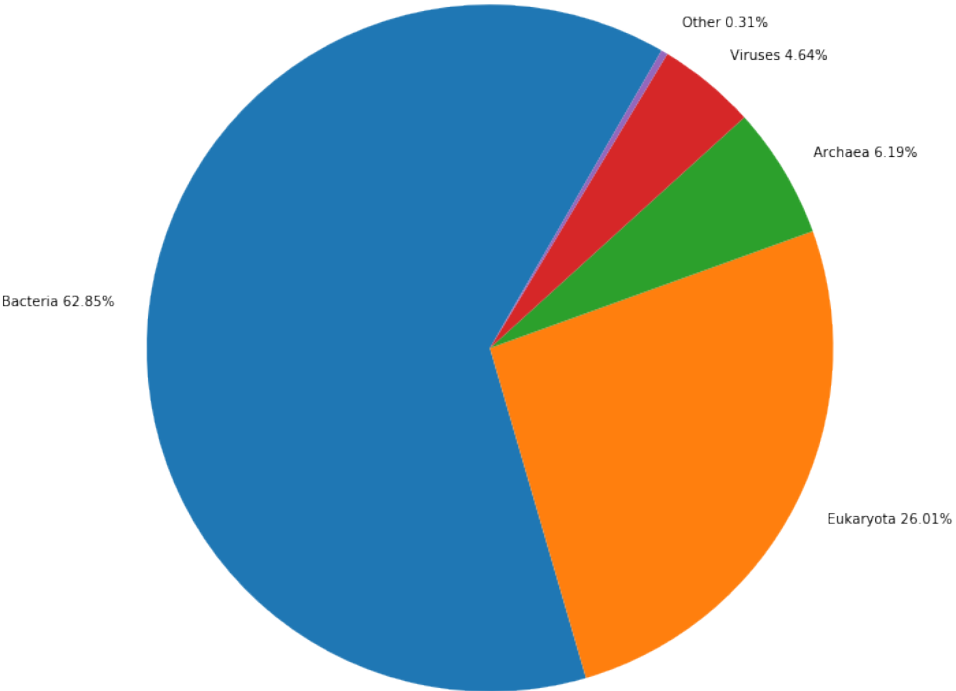


Fig. S 10. Taxonomic classification for sequences of the blind test set grouped by kingdom.

1.2.5 Taxonomic classification: species

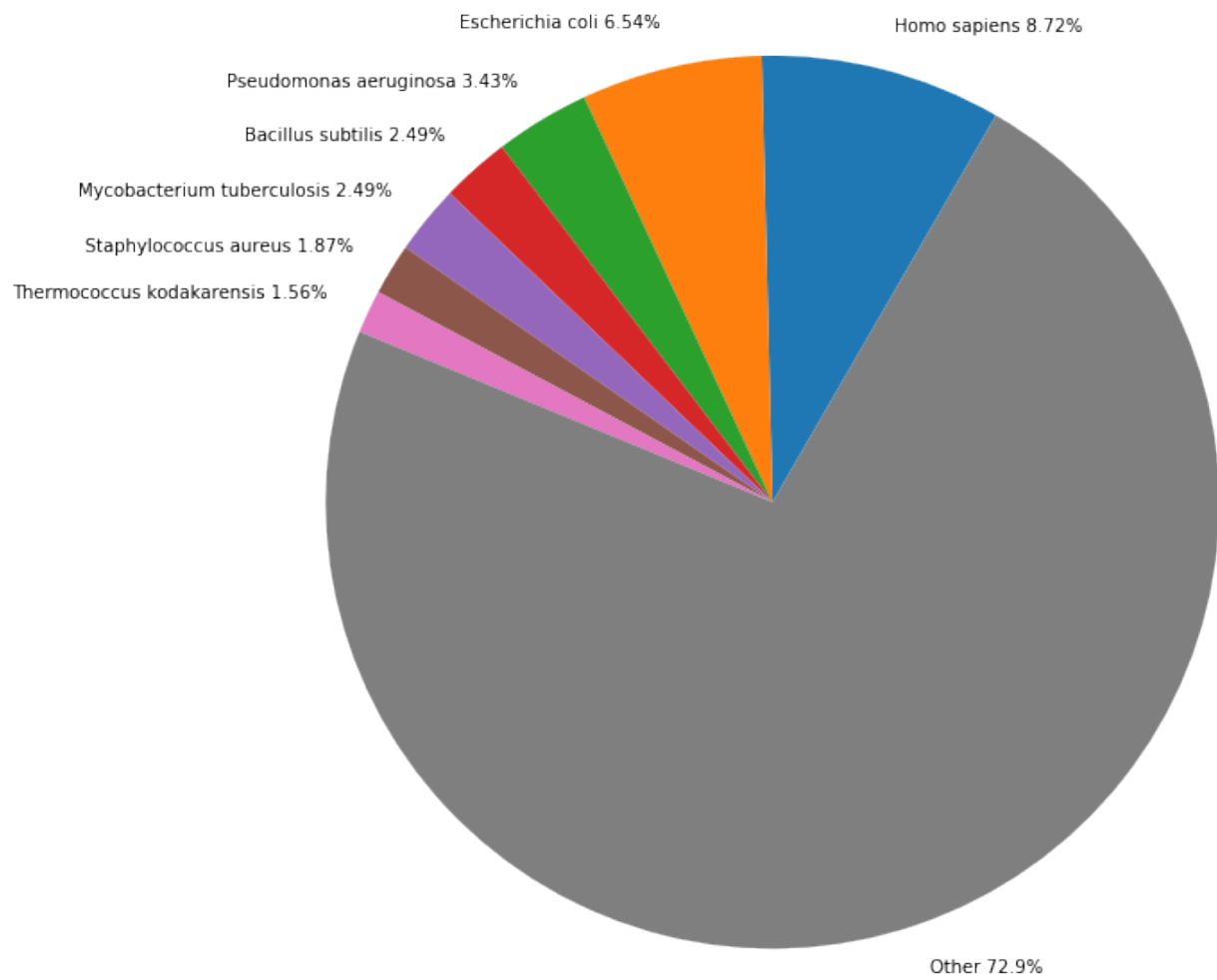


Fig. S 11. Taxonomic classification for sequences of the blind test set grouped by species.