Normalized Residue Frequencies (Z-scores) -0.2 ALA --0.0 0.9 0.0 -1.1 1.0 0.5 -0.3 0.6 0.6 0.7 0.7 0.5 -0.1 -1.2 0.2 0.3 0.3 ARG -0.4 0.2 0.4 0.7 0.4 -0.2 0.5 -0.3 0.1 -0.3 -1.1 -0.3 -0.6 -0.1 0.1 -0.5 -0.6 -0.7 ASN -0.8 0.9 0.4 1.2 -0.1 -1.2 -0.1 0.1 1.0 0.7 0.2 -0.6 1.2 0.1 1.8 1.4 1.6 1.5 1.3 1.0 ASP -0.4 0.9 0.7 1.6 0.2 0.5 0.1 1.1 -1.1 -0.3 0.1 0.6 0.1 -0.5 0.8 0.8 EDO --1.4 -1.2 -1.3 -1.1 -1.3 -1.2 -0.7 -1.2 -1.0 -1.2 -1.1 -1.4 -1.0 -1.4 -1.2 -1.2 -1.1 -1.2 GLN --0.5 -0.5 -0.4 -0.6 -0.7 0.2 -0.1 0.9 -0.5 0.6 -0.2 -0.3 -1.0 -0.7 -0.6 -0.5 -0.6 -0.7 GLU -0.4 -0.5 -0.4 -0.6 -0.7 0.2 -0.7 -0.7 -0.5 -0.7 0.7 -0.3 -0.2 -0.6 -0.7 -0.1 -0.6 0.2 GLY -0.4 -0.5 0.0 0.7 -0.7 0.2 -0.1 0.9 -0.5 0.1 1.5 1.2 0.9 1.2 1.4 1.8 1.9 1.5 HIS --1.4 -1.2 -1.3 -1.1 -0.7 -0.7 -0.7 -1.2 -0.5 -0.7 -1.1 -0.3 -0.6 -1.4 -0.6 -1.2 -1.1 -1.2 -0.2 -0.3 0.2 -0.2 -0.2 ILE -0.0 0.9 0.0 0.3 0.4 1.6 0.1 0.1 -0.2 0.6 -0.6 0.9 -0.2 Z-Score LEU -0.8 1.7 0.3 0.4 -0.7 0.5 0.1 -0.5 -0.3 0.7 -0.9 -0.6 -0.7 0.1 -0.5 -0.2 -0.2 0.9 LYS --0.5 -0.5 -0.4 -0.6 -0.1 -0.2 -0.1 0.1 -0.5 -0.3 -0.2 -0.3 -0.2 0.6 0.7 0.2 0.3 0.3 MET --0.9 -1.2 -0.9 -0.6 -1.3 -1.2 -1.3 -1.2 -1.0 -1.2 -0.2 -1.4 -1.0 -1.4 0.1 -1.2 -1.1 -0.7 NAG --1.4 -1.2 -1.1 -1.3 -1.2 -1.3 -1.2 -0.7 -1.1 -1.0 -1.2 -1.2 -1.1 -1.2 -1.3 -1.0 -1.4 -1.4 PHE --0.0 -1.2 0.4 -1.3 0.2 -0.1 0.1 0.6 0.1 -0.2 0.7 0.1 -1.1 0.3 1.9 -0.6 1.5 -1.2 PRO --0.0 0.9 0.0 -0.2 0.4 0.7 -0.1 -0.3 -1.0 -0.7 0.7 -0.3 0.1 -0.1 1.4 0.2 -0.2 0.3 SER -1.7 2.3 1.3 1.7 2.1 3.0 2.8 3.4 1.6 1.9 2.4 2.3 2.8 1.9 2.7 2.2 0.3 0.8 THR -1.3 0.2 0.4 0.3 1.0 -0.2 -0.7 0.1 0.1 -0.3 -1.1 0.7 0.1 -0.1 0.1 0.2 0.8 0.3 TRP --1.4 -1.1 -0.2 -1.3 -0.7 -0.2 -0.5 -0.2 -0.2 -0.1 -0.3 -1.1 -0.3 -0.7 -0.6 -0.5-1.3 -1.0 TYR -2.2 0.9 2.2 2.6 1.6 1.3 2.8 1.5 2.3 2.4 0.6 1.4 -0.5 2.3 2.4 1.6 2.1 2.7 VAL --0.9 -1.2 -0.9 -0.6 -0.7 0.2 -0.7 -0.3 -0.5 -0.7 -0.2 -0.3 0.1 -0.7 -1.2 -0.5 -0.2 -0.2 6404 1048 1090 801/5 6jjR