6SCJ Human Thyroglobulin

Following a talk at Birkbeck 12/2/2020 by Jan Löwe, MRC-LMB

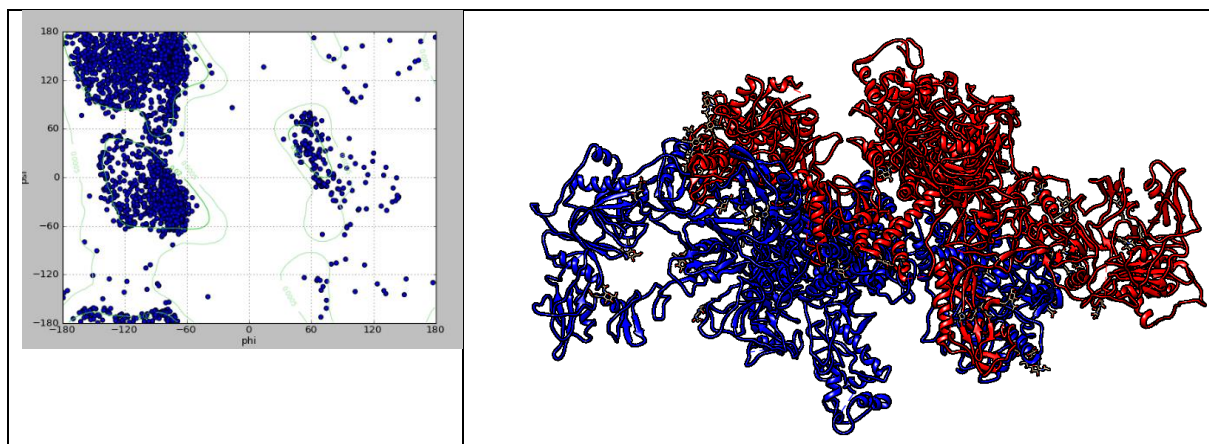http://www.rcsb.org/structure/6SCJ

Structure solved by Cryo EM

Does not have all the side chain atoms – no Chi values available
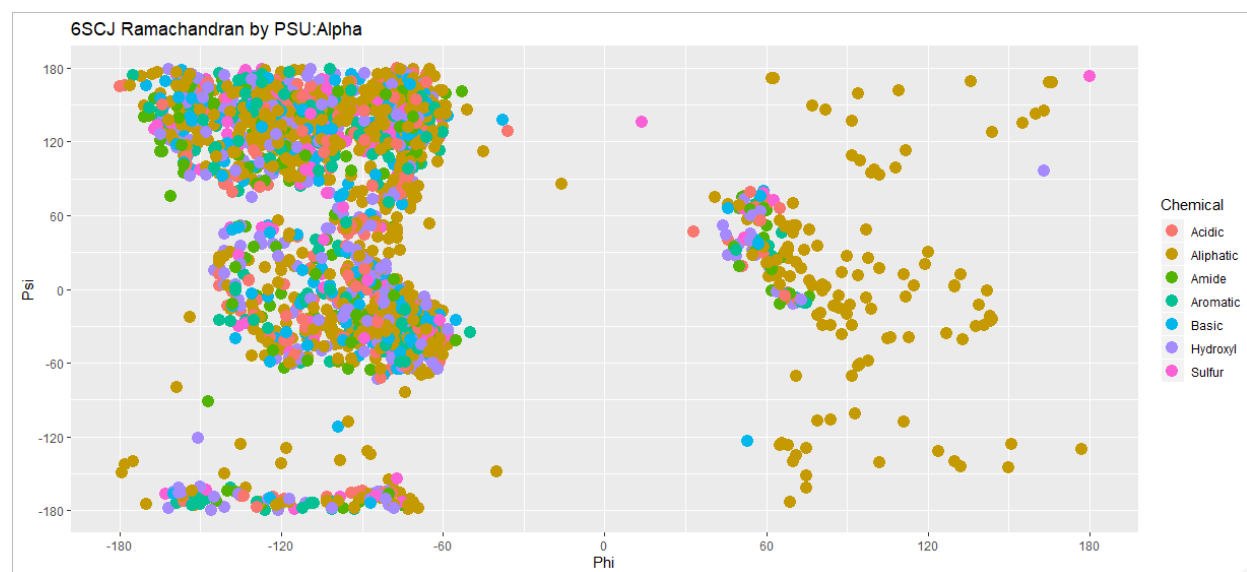
e.g. the PDB entry for each amino acid mostly looks like this:

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ATOM      13  N   GLN A  25      264.824 164.154 186.793  0.00151.33           N
ATOM      14  CA  GLN A  25      265.461 163.664 188.004  0.00151.33           C
ATOM      15  C   GLN A  25      266.190 164.744 188.787  0.00151.33           C
ATOM      16  O   GLN A  25      266.694 164.455 189.879  0.00151.33           O
ATOM      17  CB  GLN A  25      266.451 162.535 187.671  0.00151.33           C
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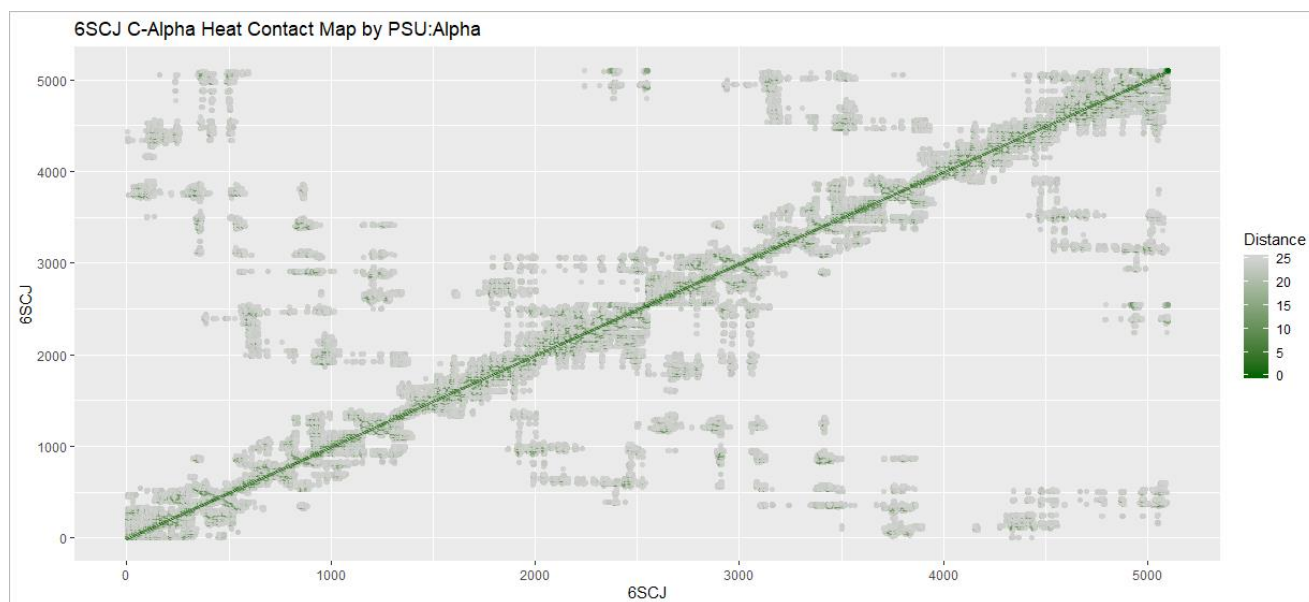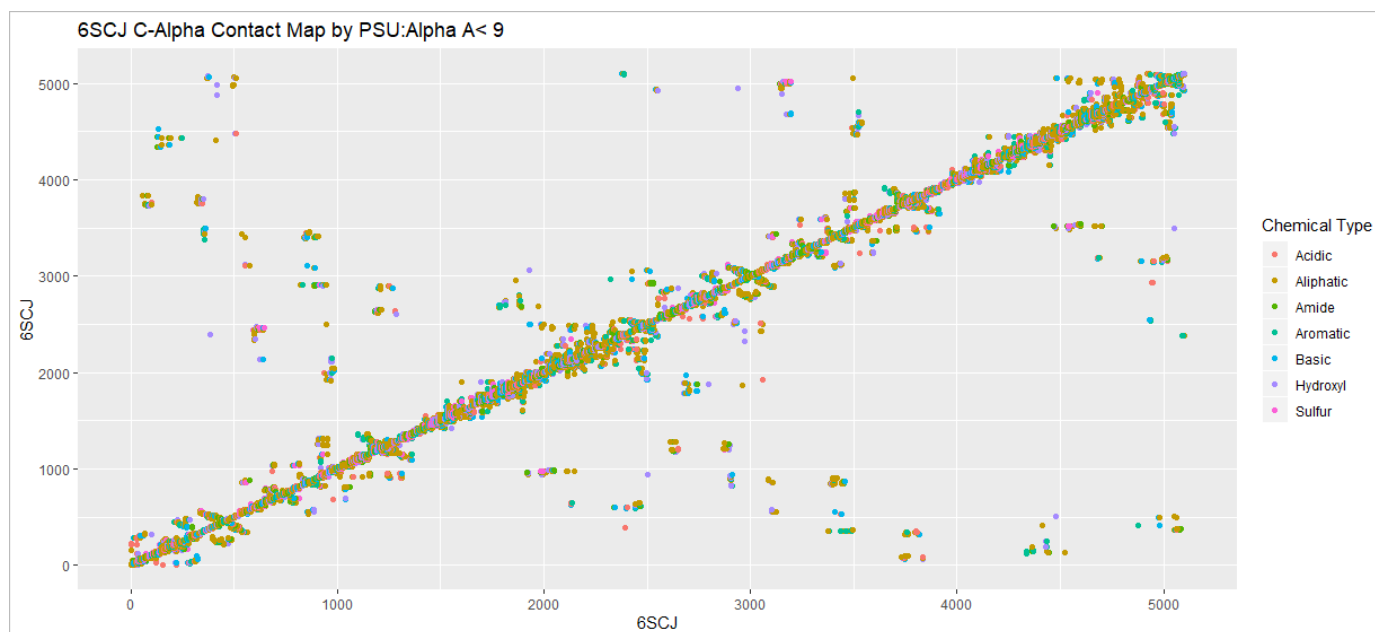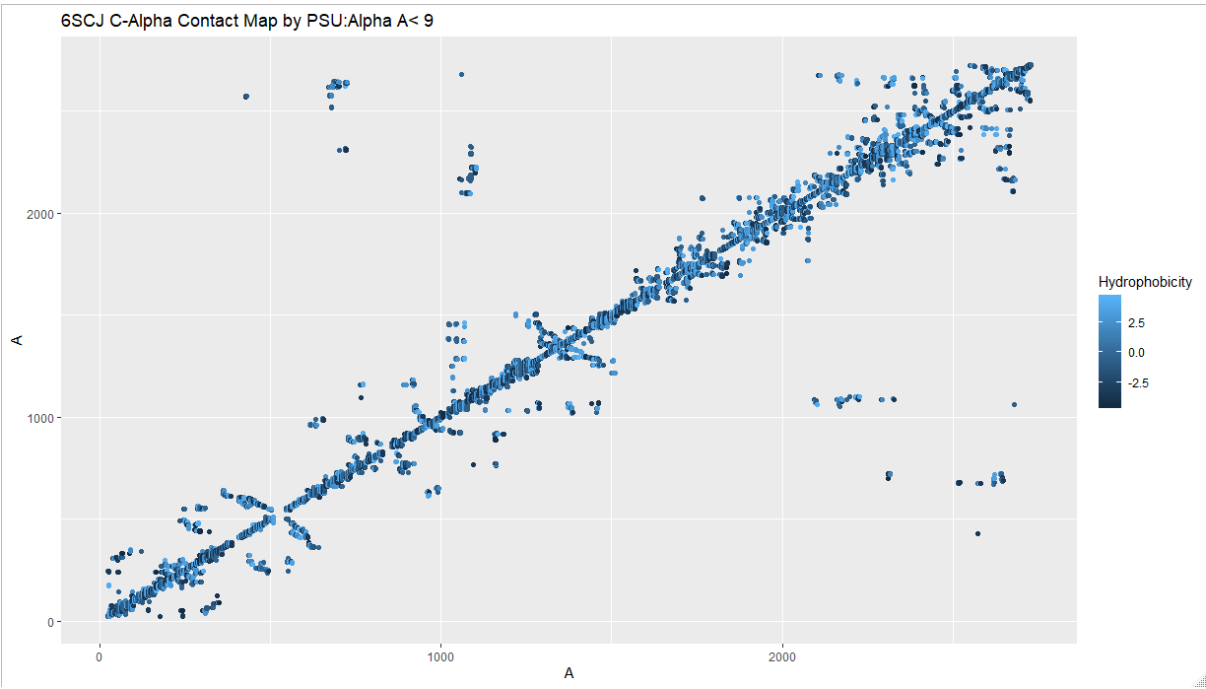
From UCSF Chimera:

PSU-Alpha Reports

Full contact map of both chains

6SCJ C-Alpha Heat Contact Map by PSU:Alpha

Contact map < 9Å, both chains

6SCJ C-Alpha Contact Map by PSU:Alpha A< 9

Chain A, by hydrophobicity

Contact between chain A and B, by amino acid