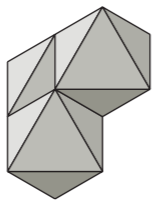
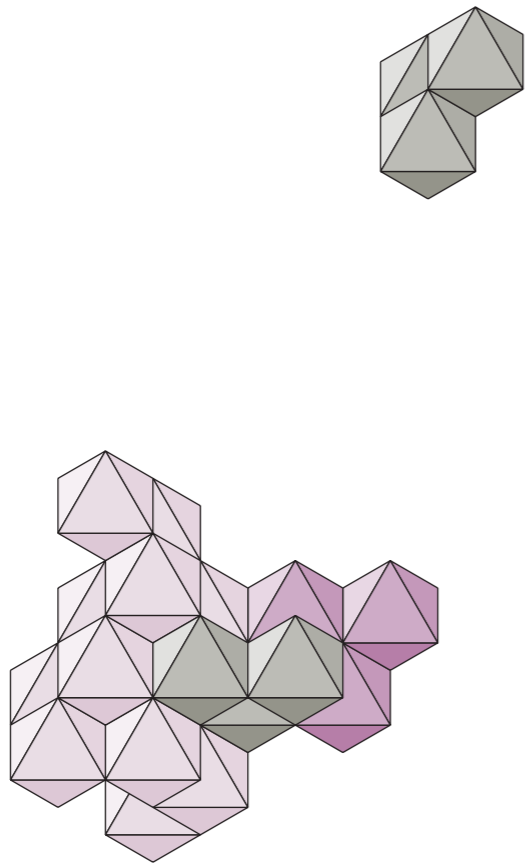


Prion joining

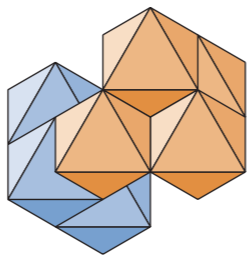
by Robert William Whitby

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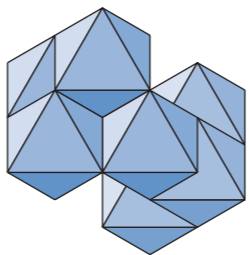
Glutamine possibles



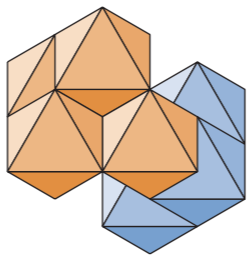
O₂



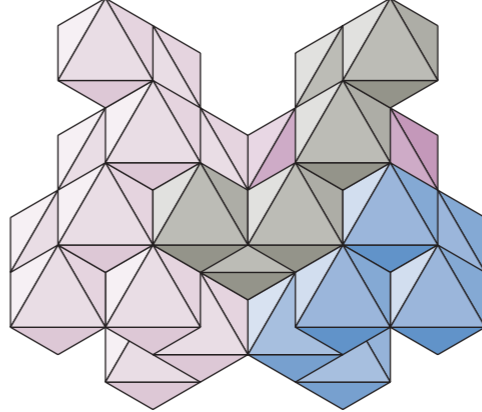
NH₂O



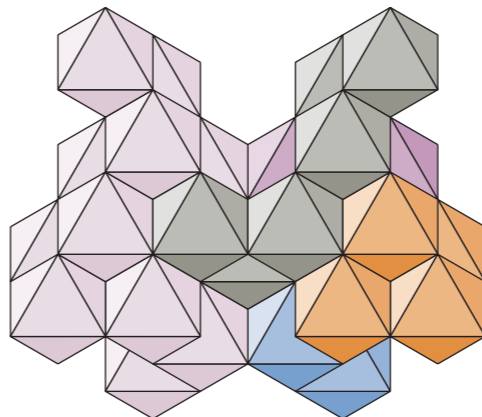
O₂



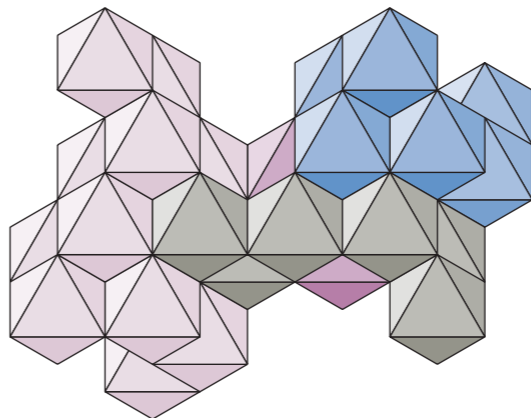
NH₂O



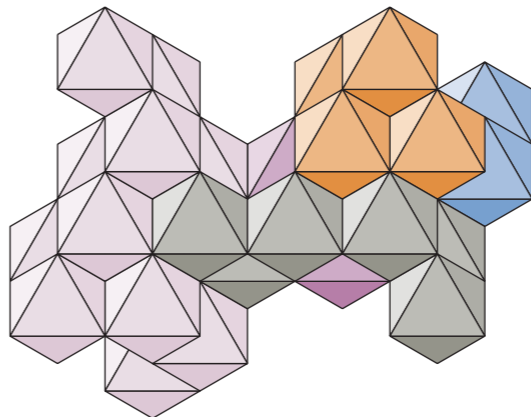
glu2



gln2

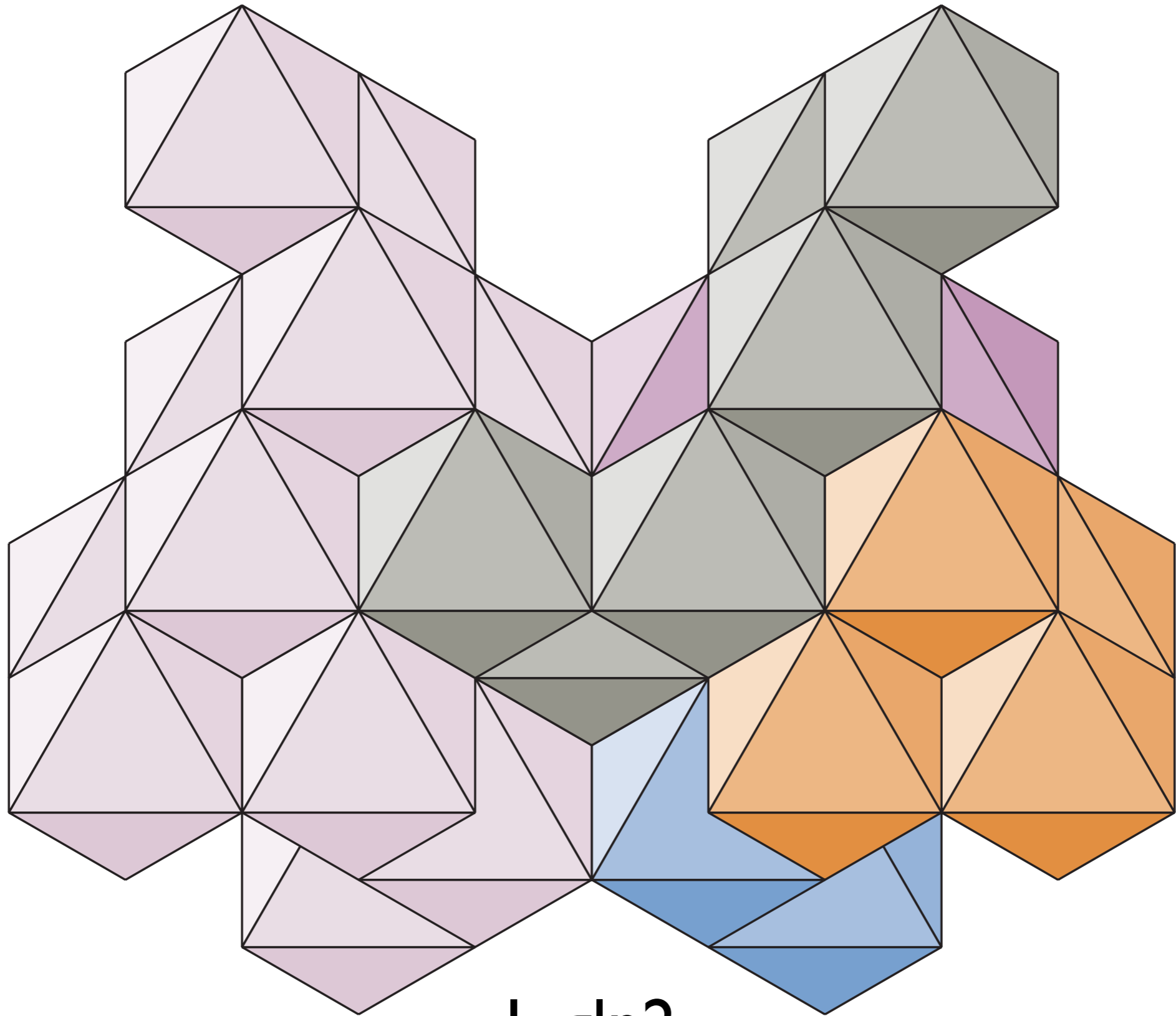


glu1



gln1

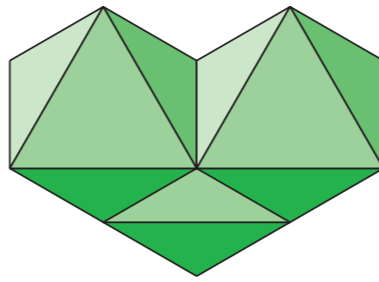
L-gln2 can link proteins



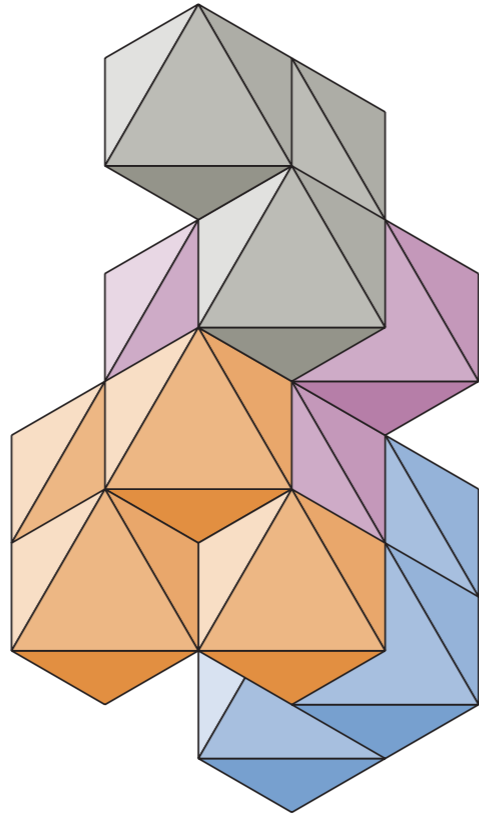
L-gln2

L-gln2 assembly

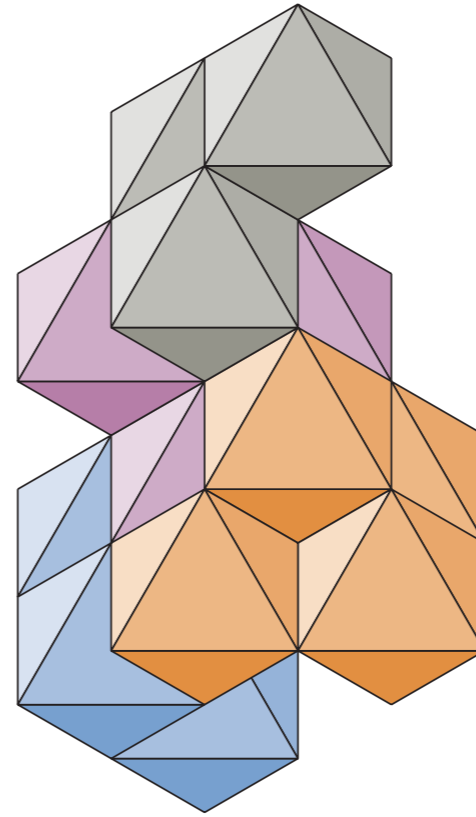
C-atom



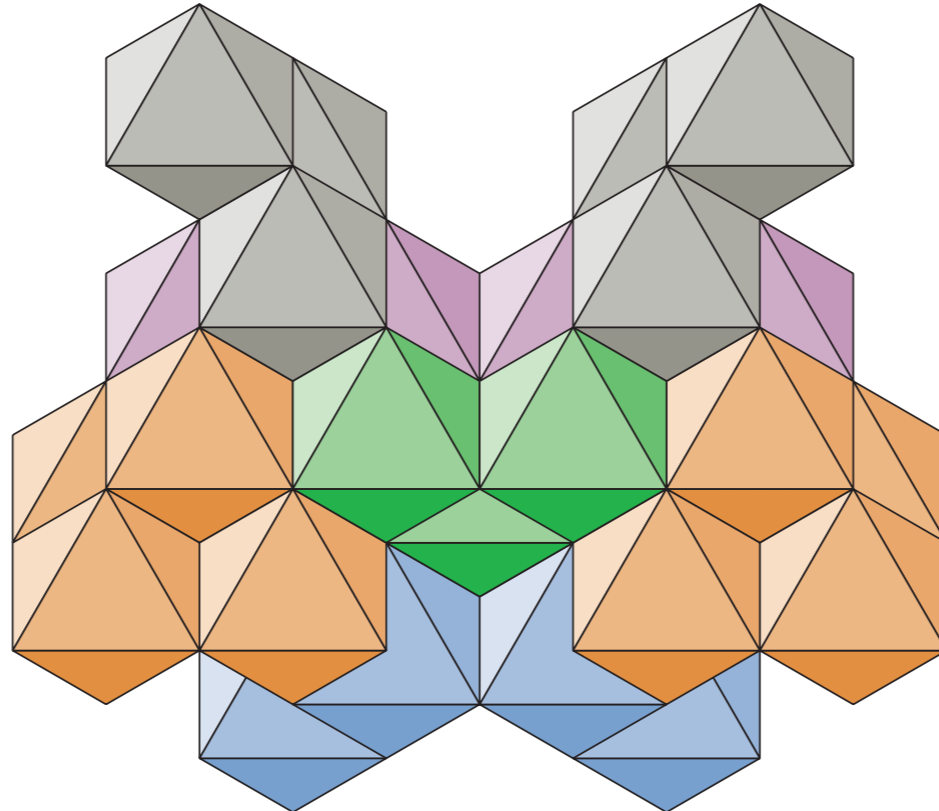
L-gly



D-gly

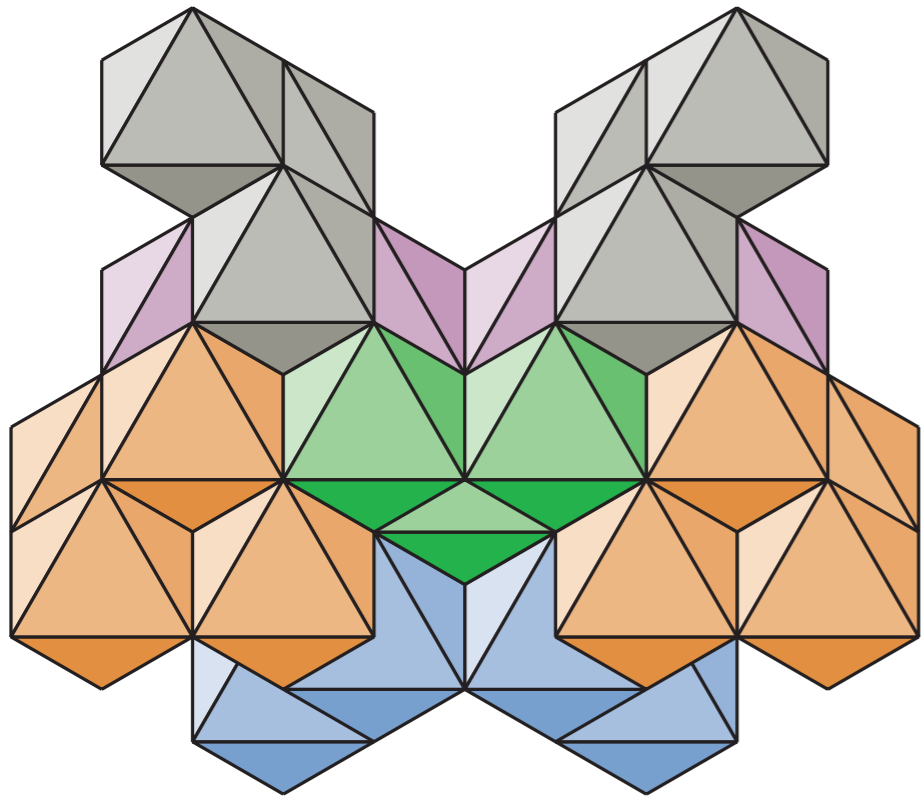


L-gln

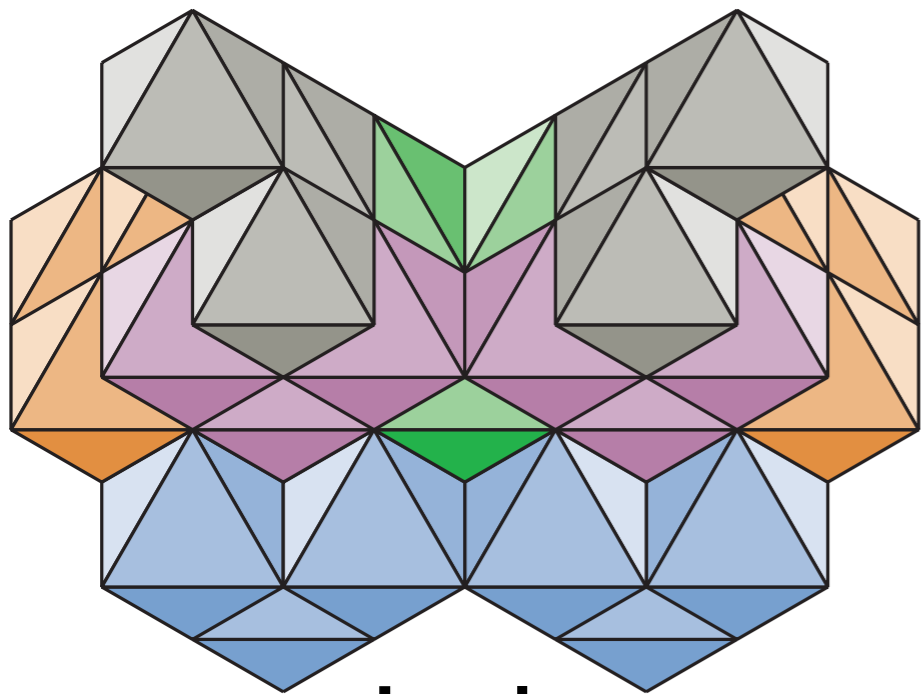


b | 80-joining of L-gln2

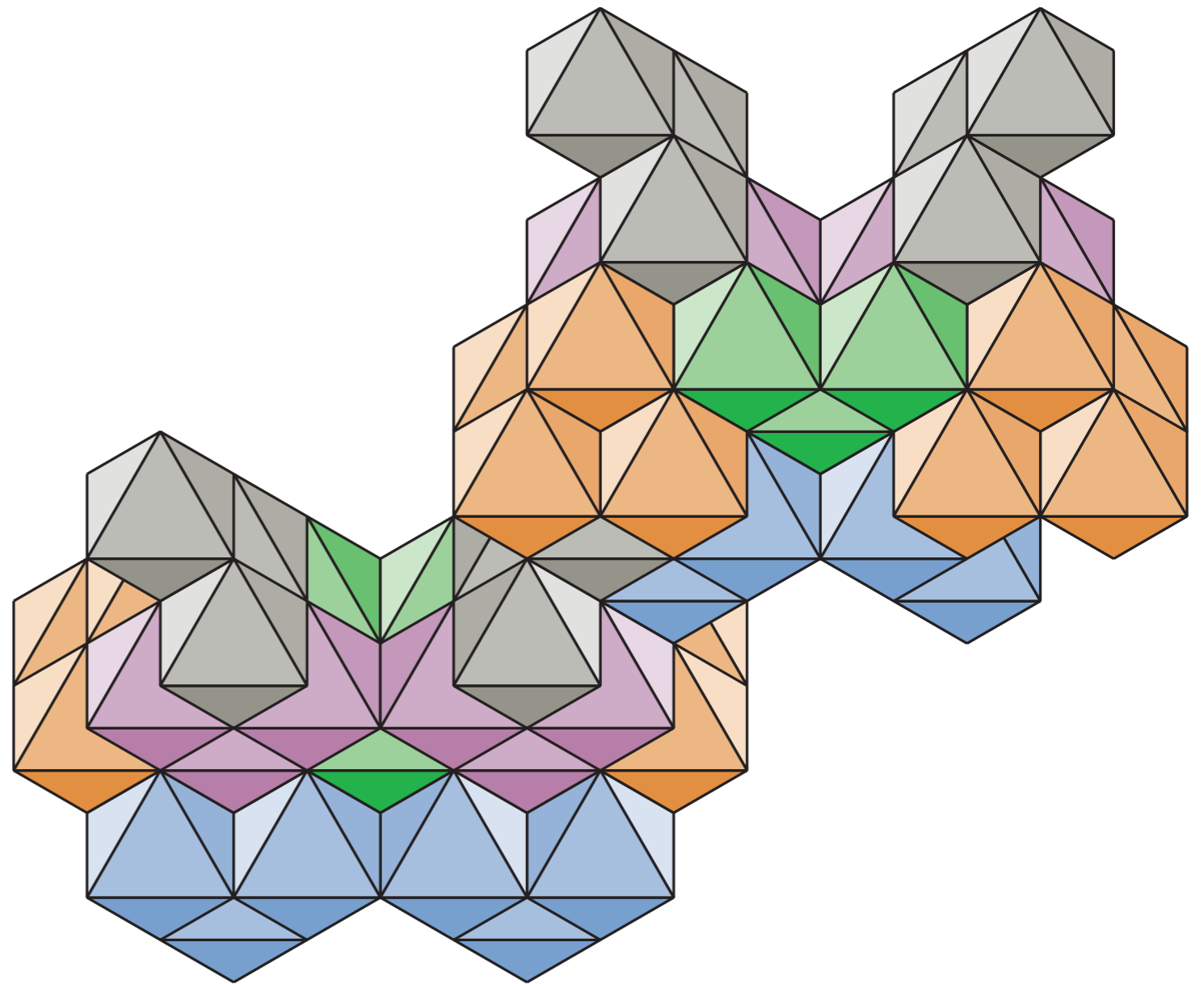
beta | 80 join



L-gln



L-gln



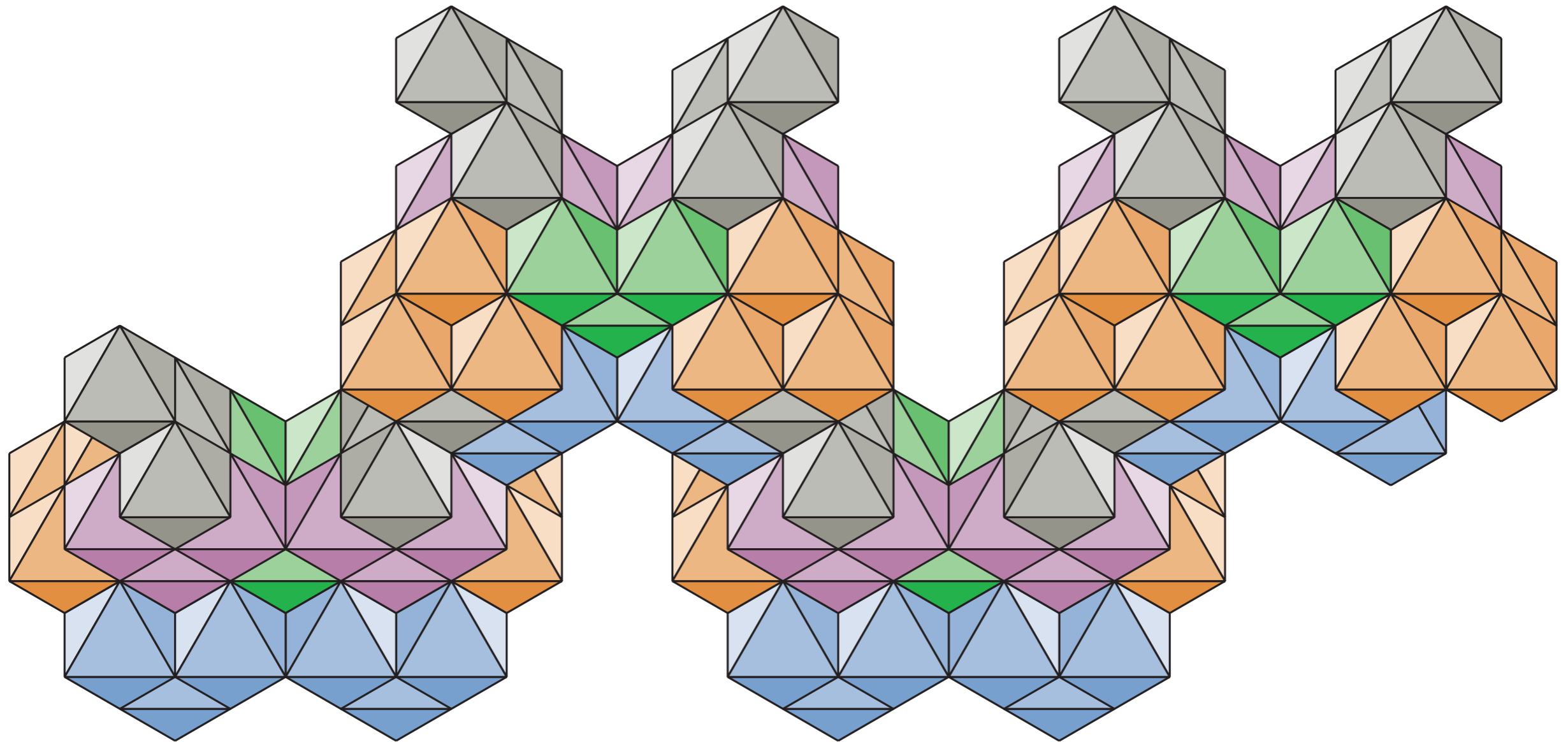
Protein to protein linking

b | 80-joined L-gln pairs

b | 80-joined by their D-gly sidechains

L-chain D-chain

L-chain



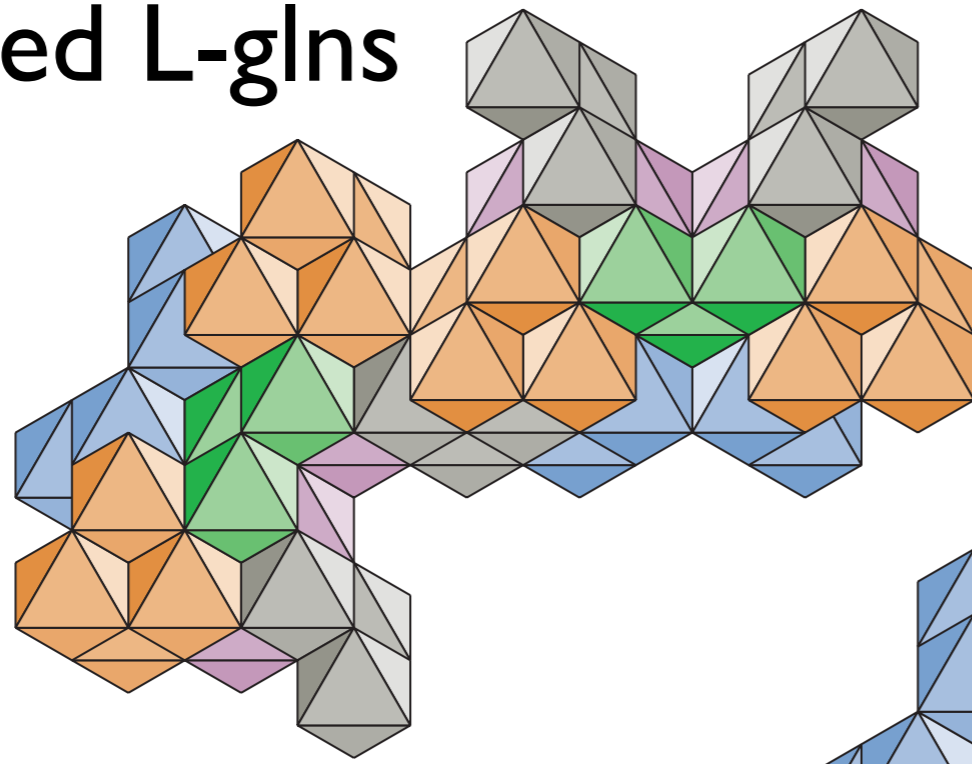
Protein #1

Protein #2

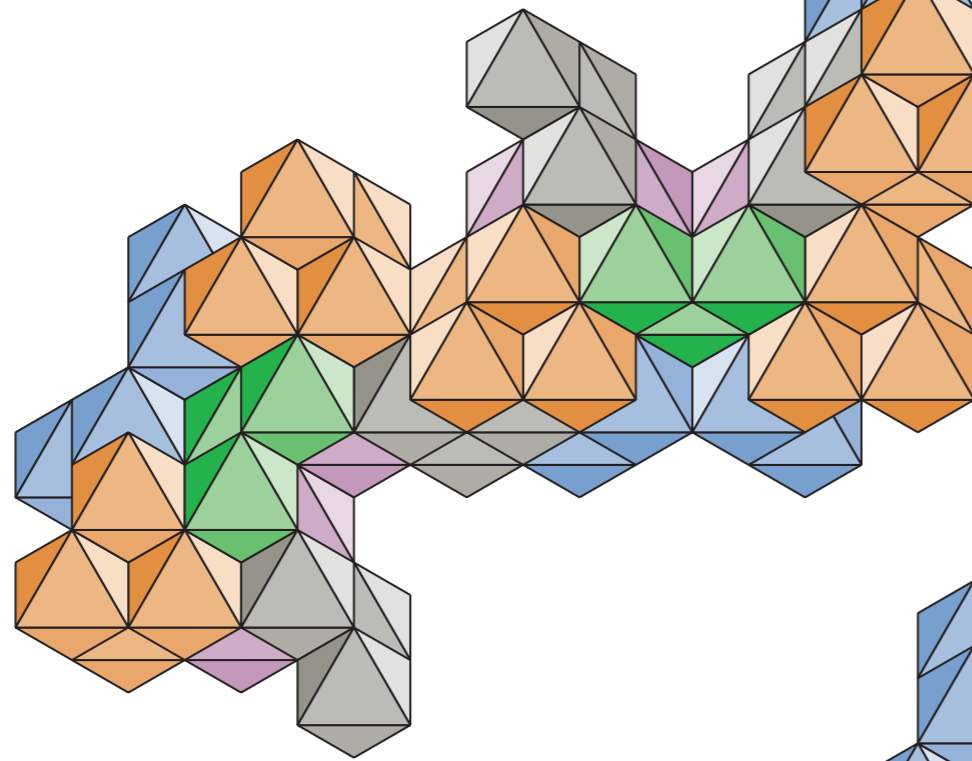
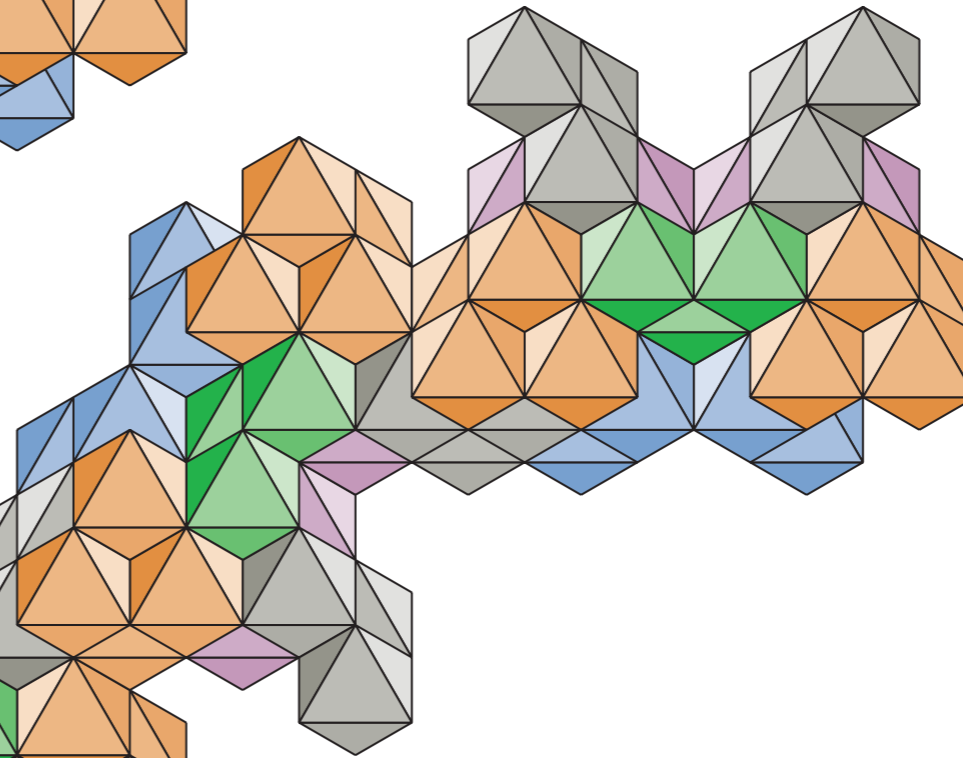
Protein to protein linking

alpha-helically joined L-gln pairs
alpha-helically joined by their D-gly
sidechains

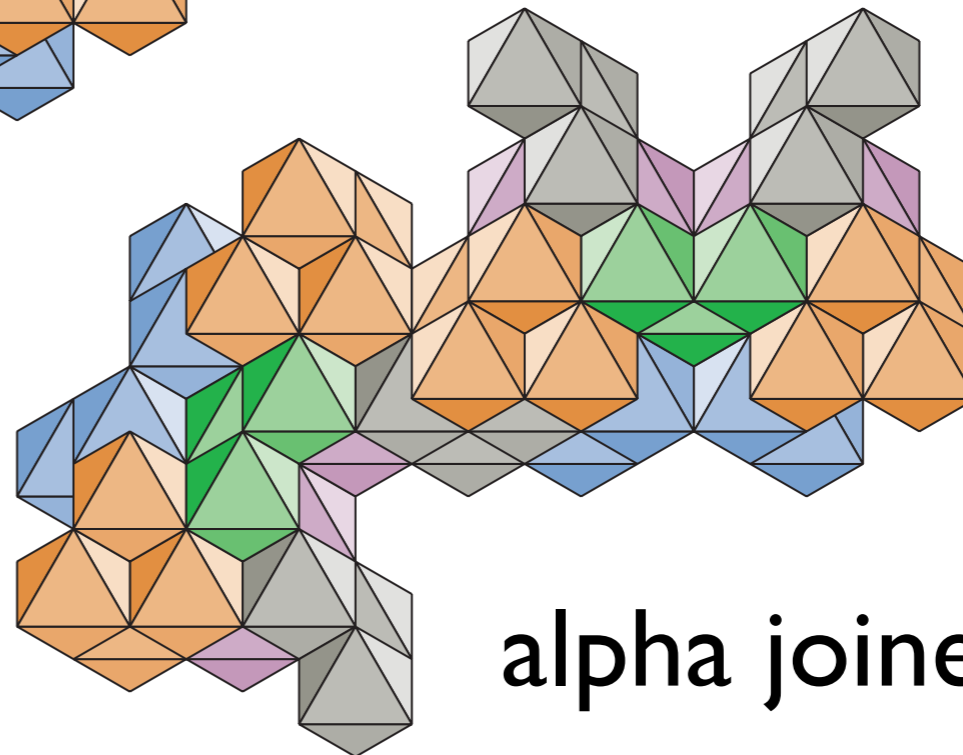
alpha joined L-glns



Protein #2



Protein #1



alpha joined L-glns

References

Octahedron 1stEd.pdf
Sidechain.pdf

<http://www.robertwilliamwhitby.com/>

The end