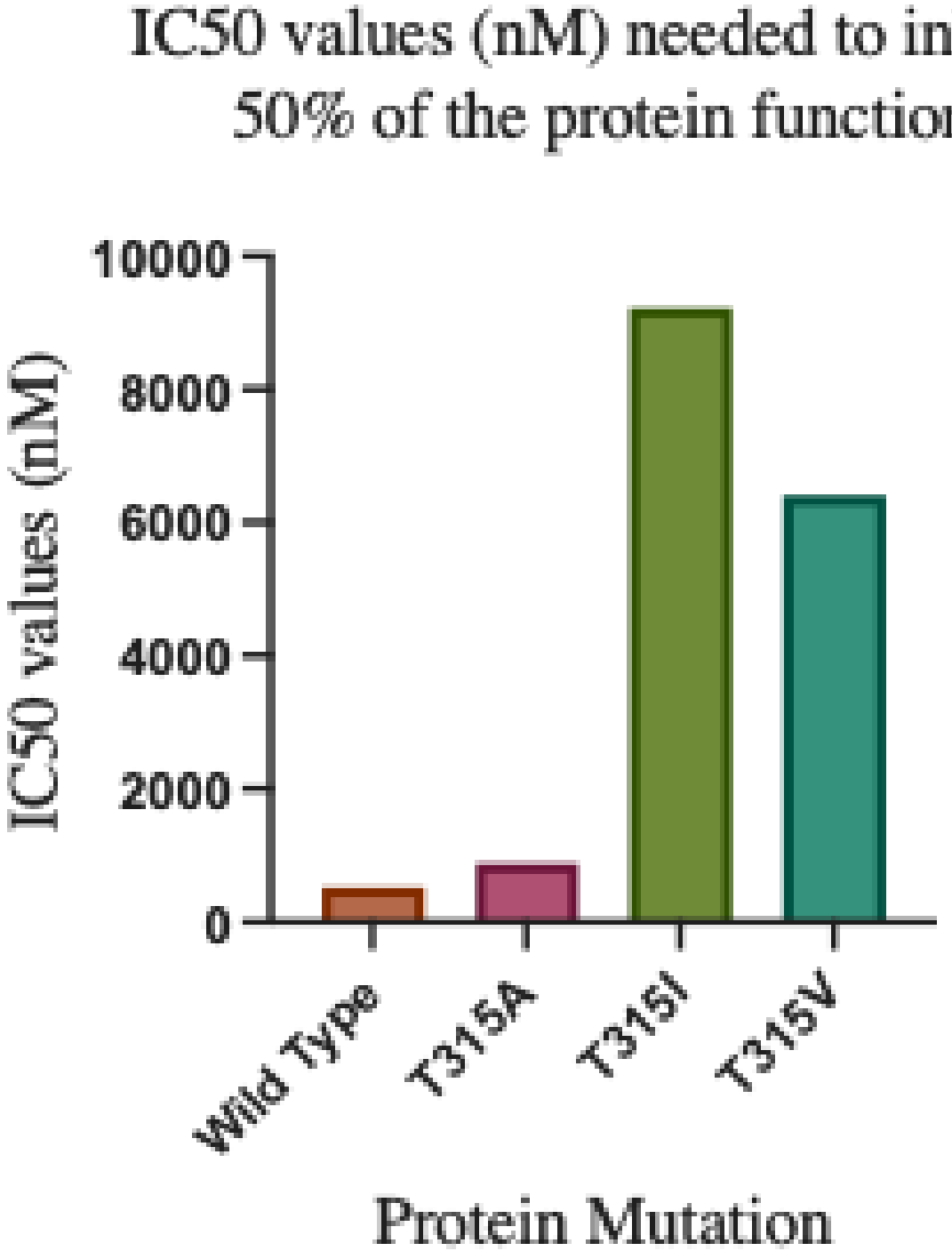
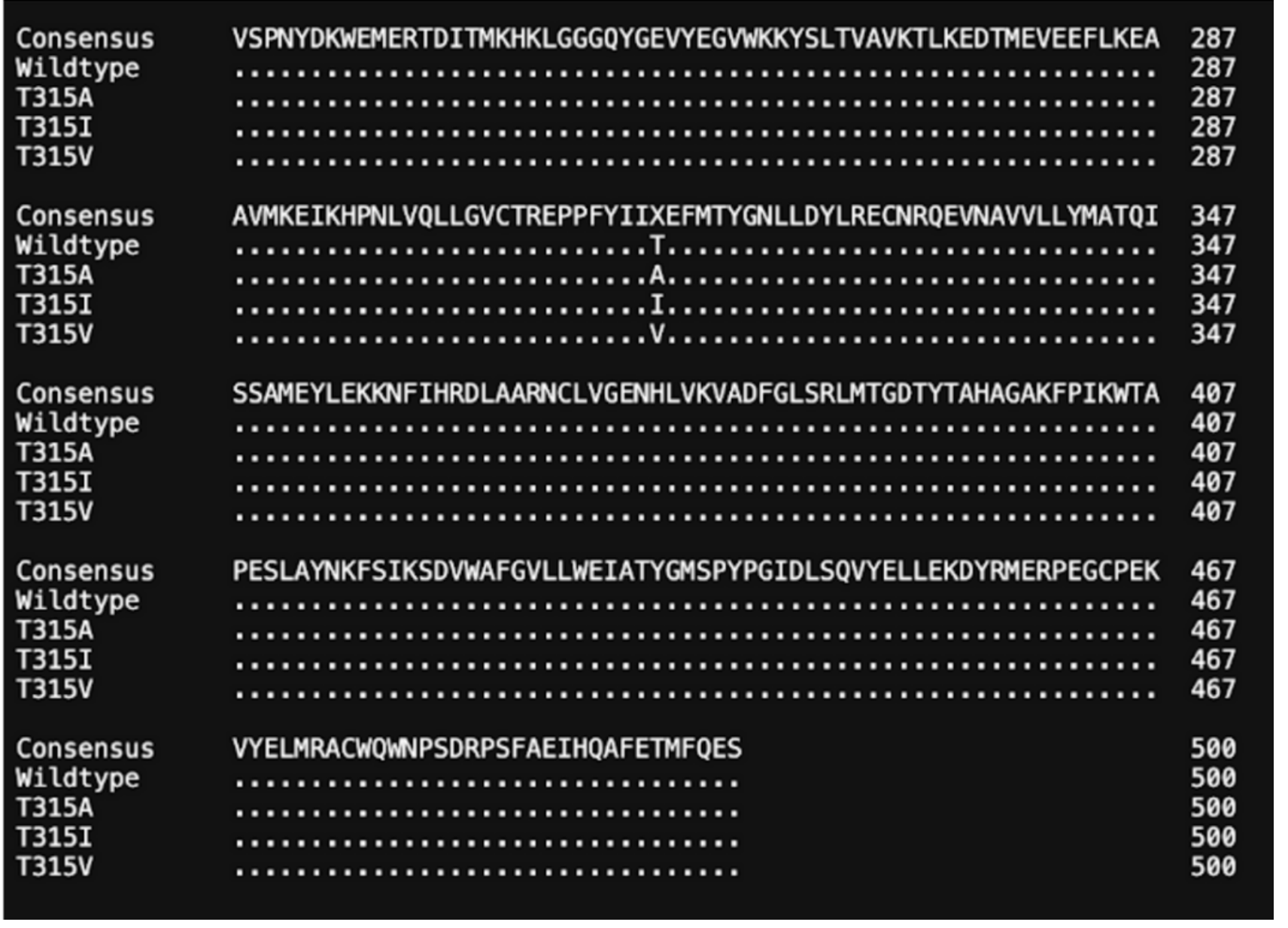
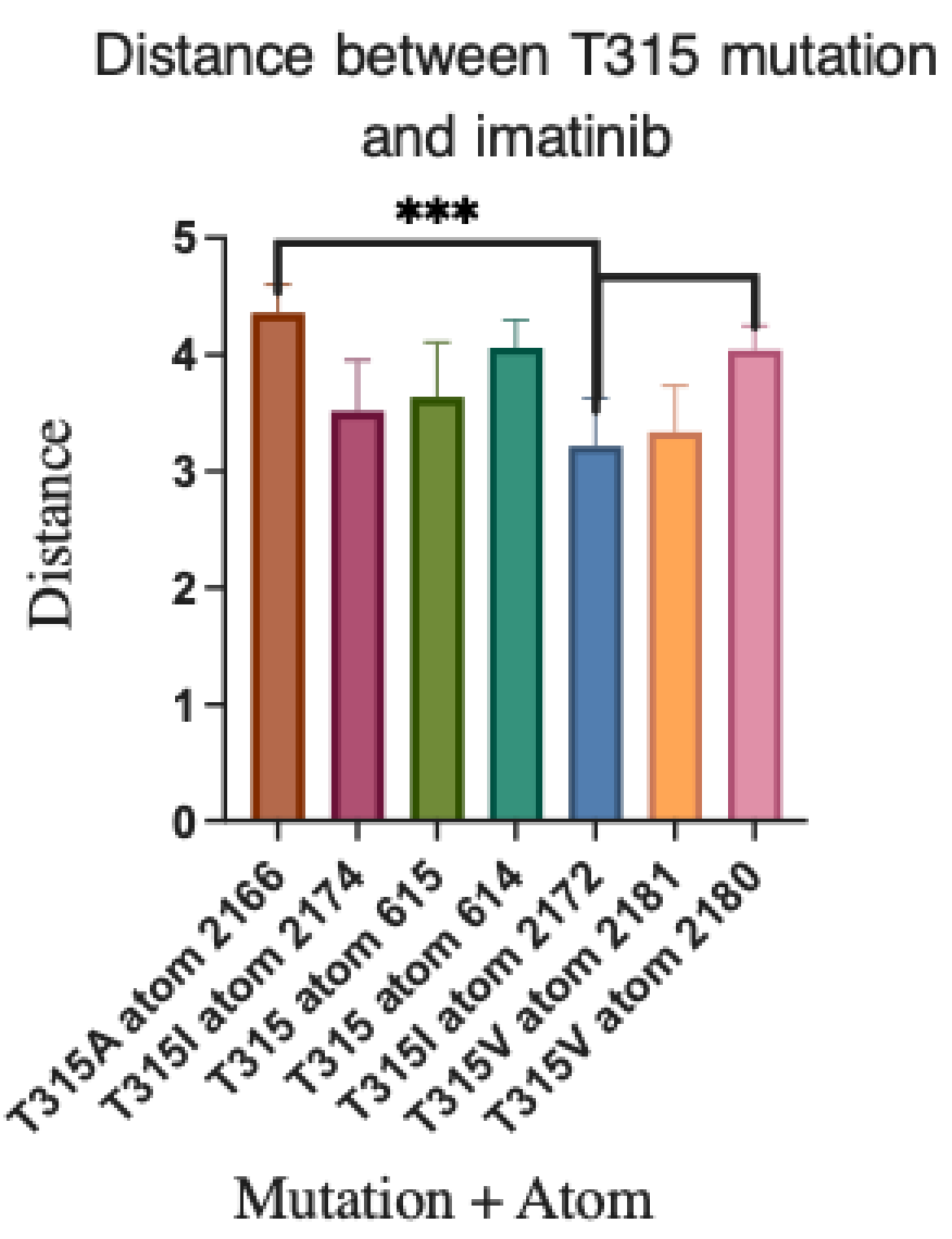
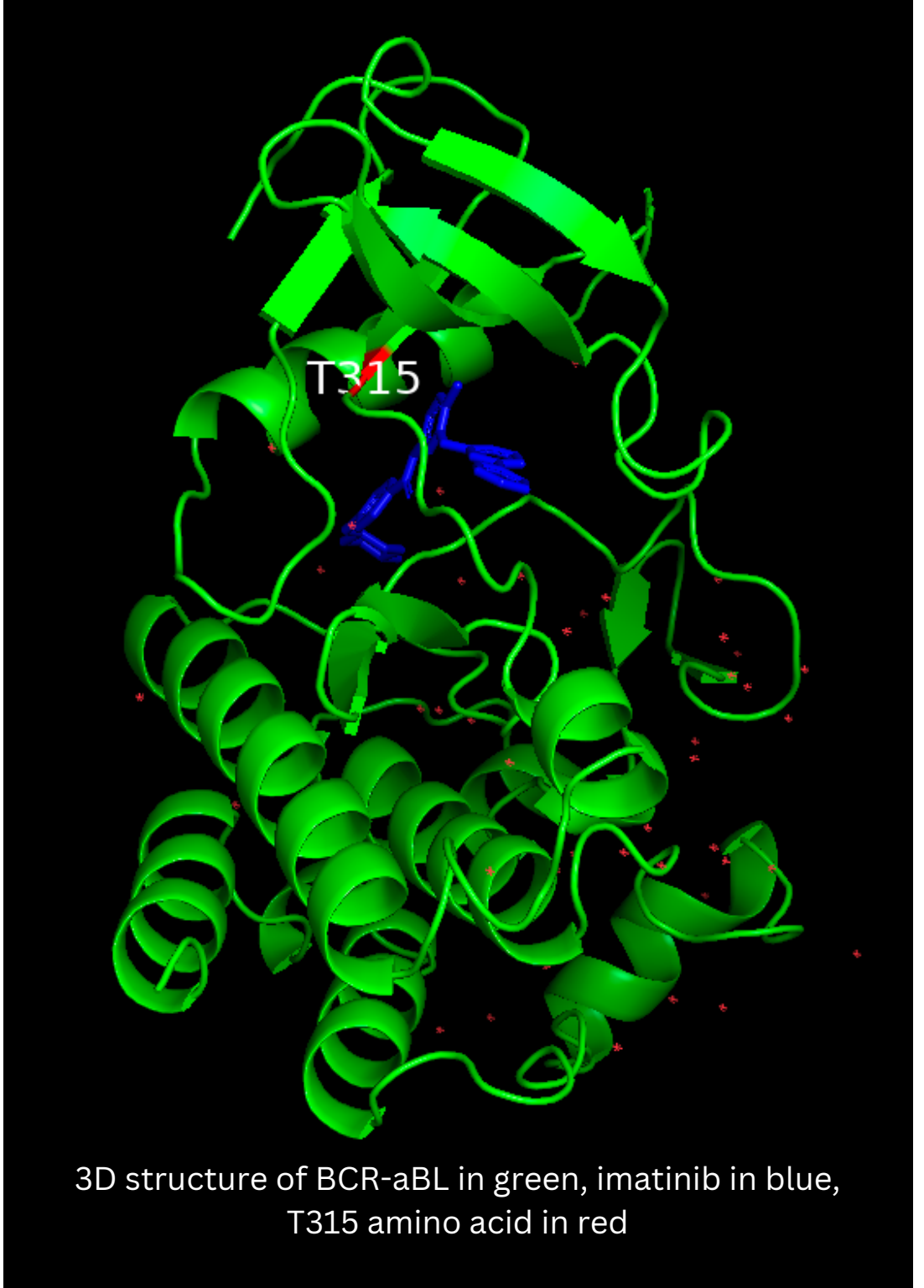


(Redaelli et al.)



Amino acid sequences of wildtype BCR-ABL compared to strings with mutations which are resistance to the TKI imatinib, notably the mutations occur in the T315 location for mutations


Distance between T315 mutation and imatinib
***
Distance
0
1
2
3
4
5
T315A atom 2166
T315I atom 2174
T315 atom 615
T315 atom 614
T315I atom 2172
T315V atom 2181
T315V atom 2180
Mutation + Atom



3D structure of BCR-aBL in green, imatinib in blue,
T315 amino acid in red