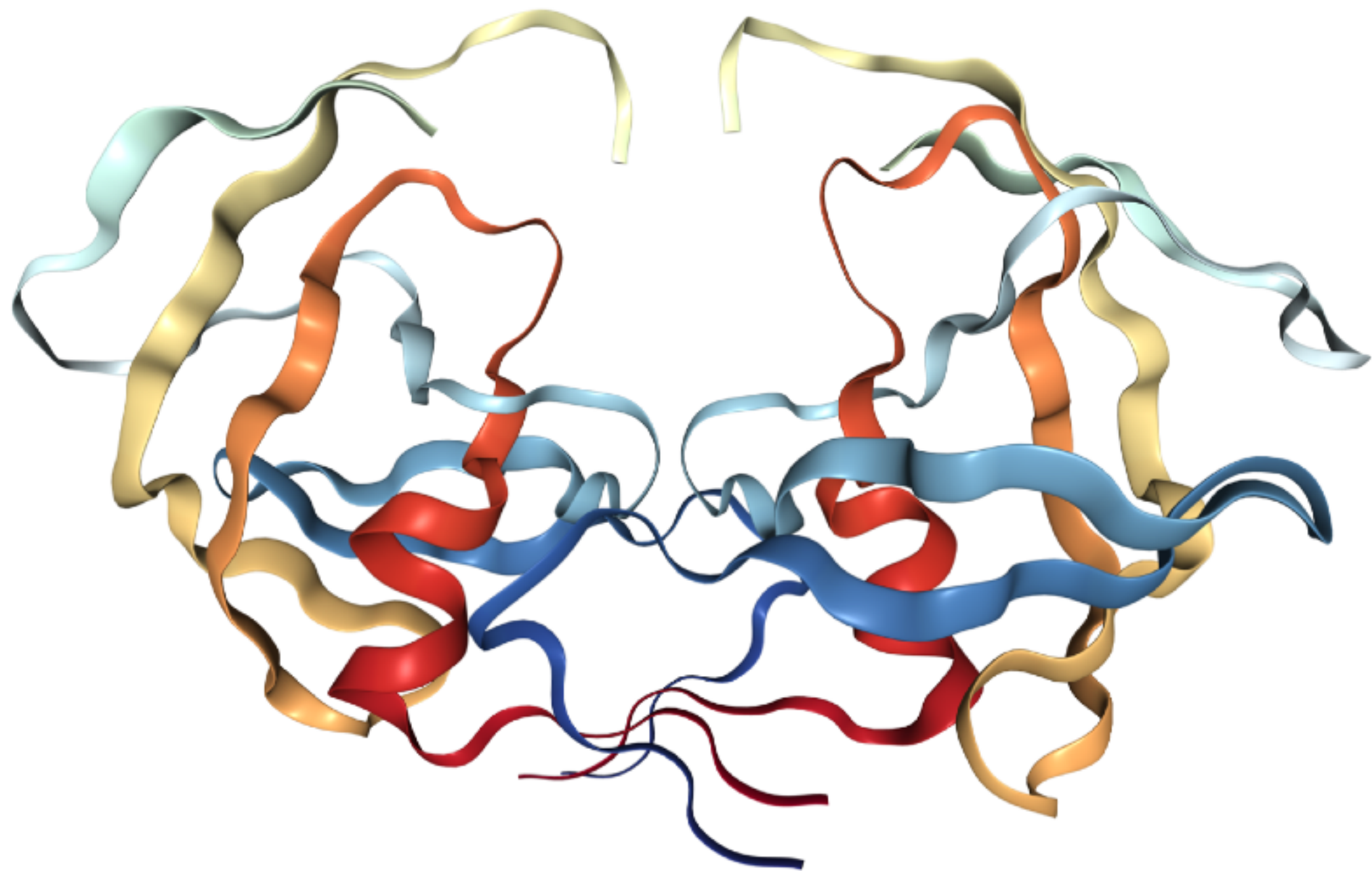


**Many drug targets have folded structures**





HV/ protease

“Licorice” view showing all  
heavy atoms

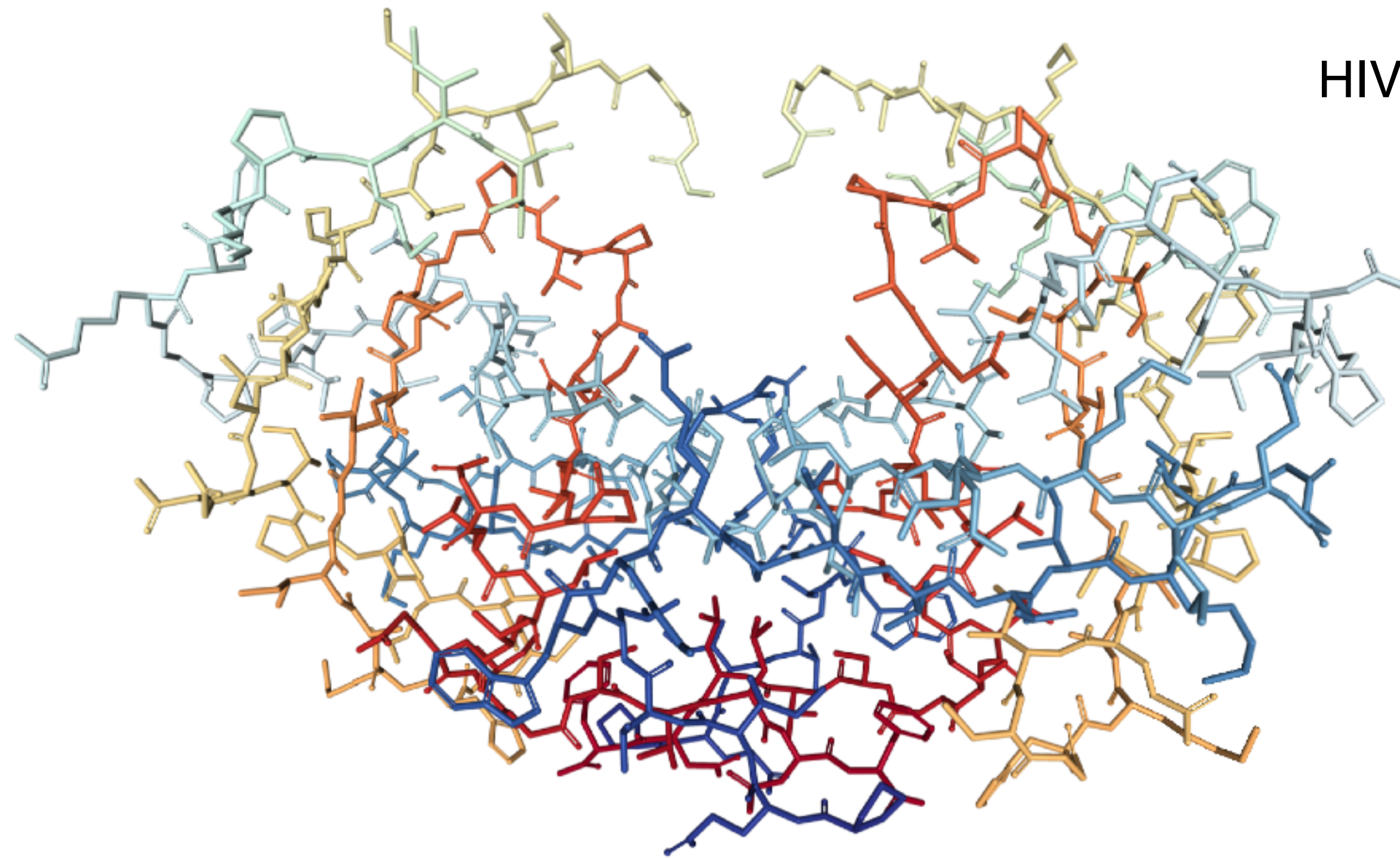
“Ribbon” view showing  
backbone, emphasizing  $\alpha$   
helices and  $\beta$  sheets



<http://www.rcsb.org/3d-view/2HB2>

'Folded' doesn't mean that they are completely rigid, but they are *fairly* well-defined.

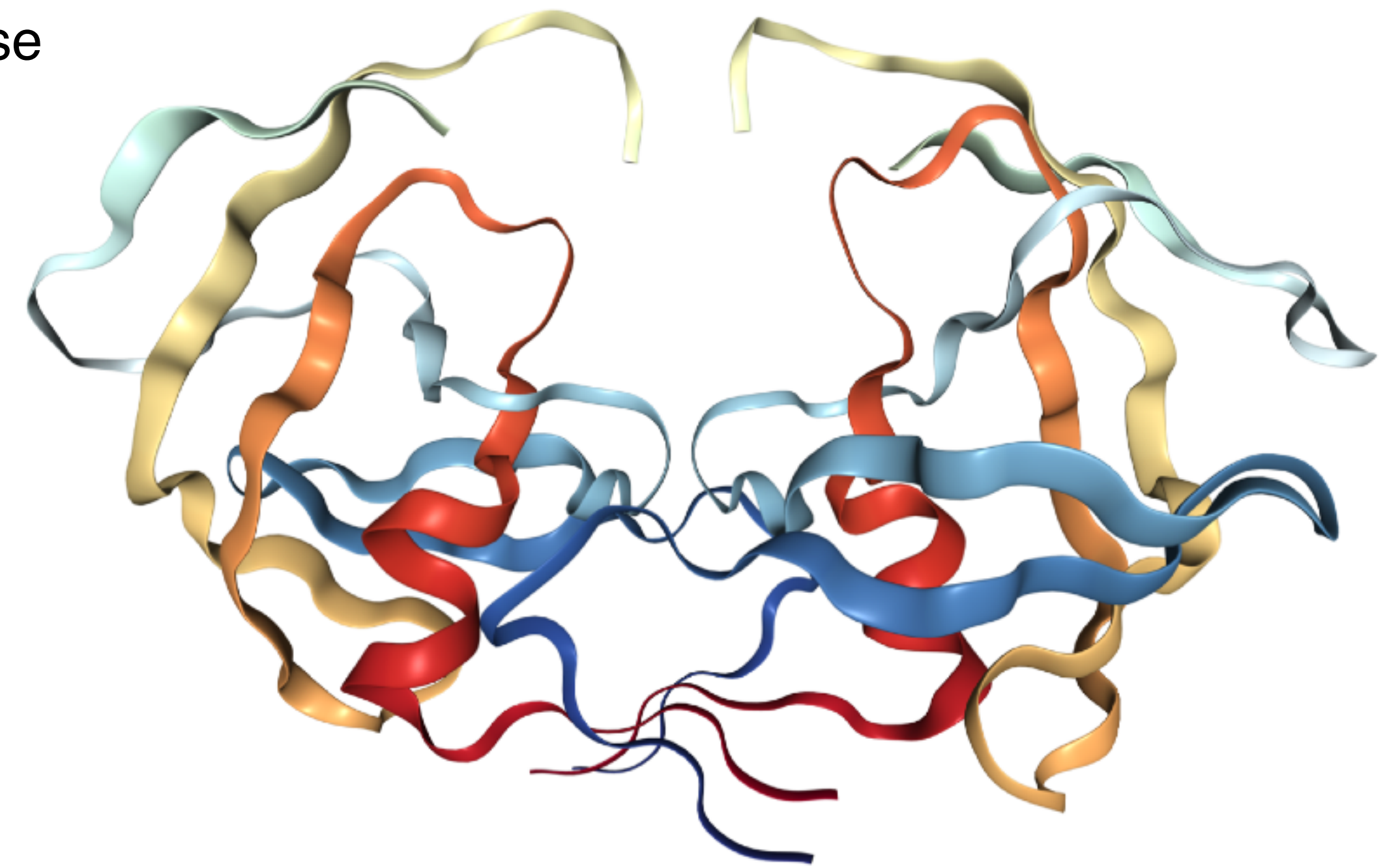
# Many drug targets have folded structures



“Licorice” view showing all heavy atoms

HIV protease

<http://www.rcsb.org/3d-view/2HB2>



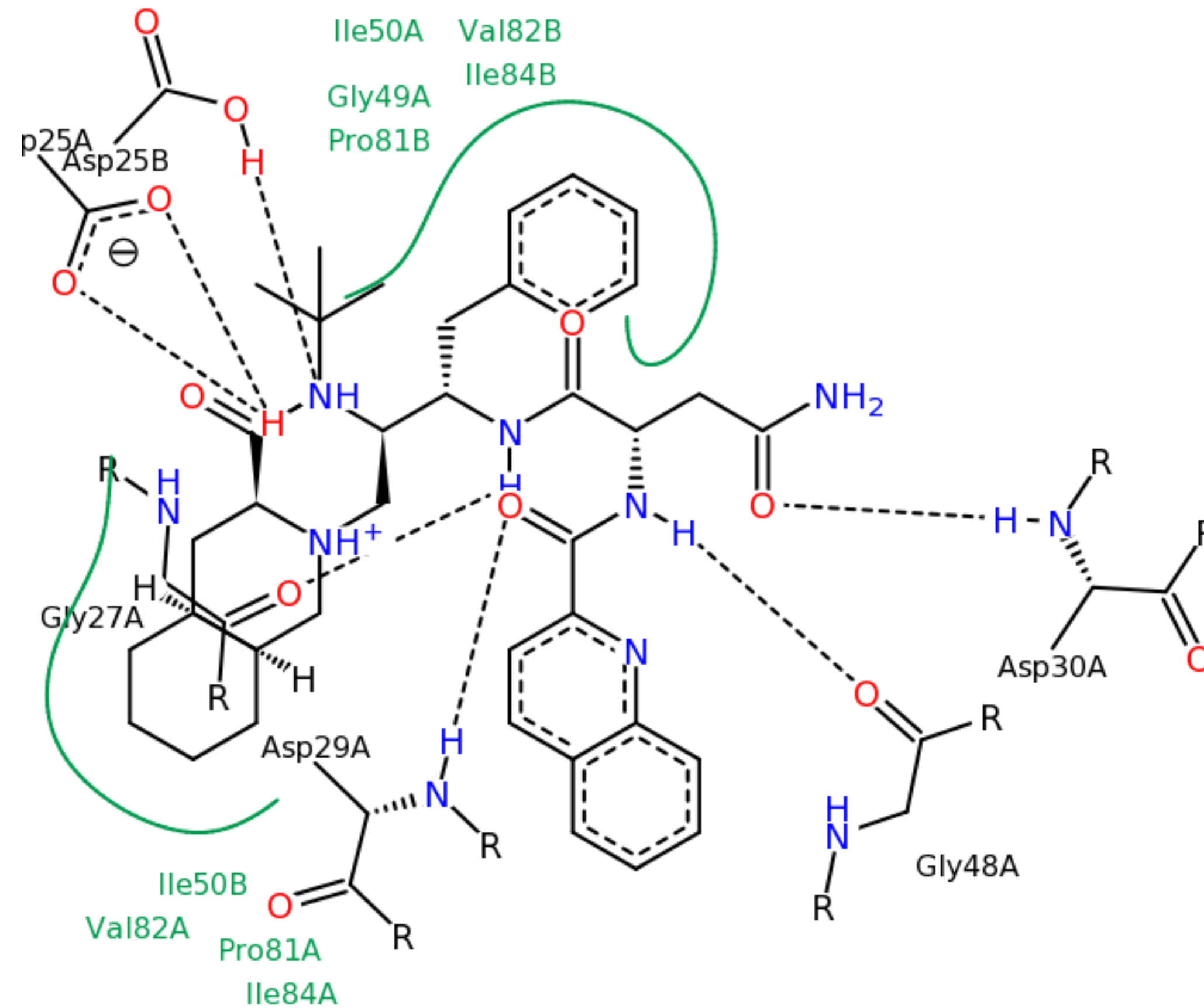
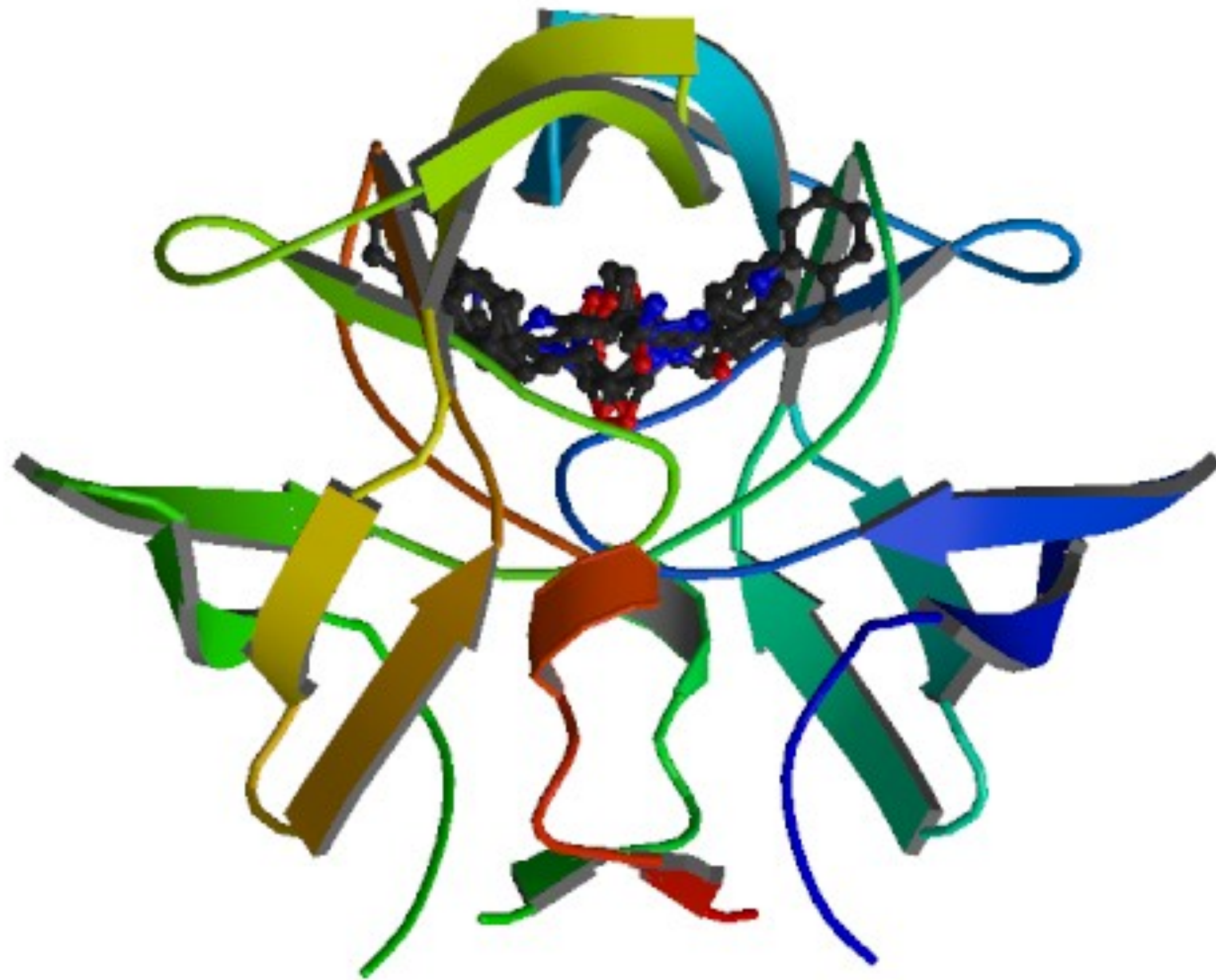
“Ribbon” view showing backbone, emphasizing  $\alpha$  helices and  $\beta$  sheets

“Folded” does not mean that they are completely rigid, but they are *fairly* well-defined.



# Most drugs are small molecules that specifically interact with the folded structures

HIV protease with saquinavir



[http://www.rcsb.org/pdb/101/motm\\_discussed\\_entry.do?id=1hxb](http://www.rcsb.org/pdb/101/motm_discussed_entry.do?id=1hxb)