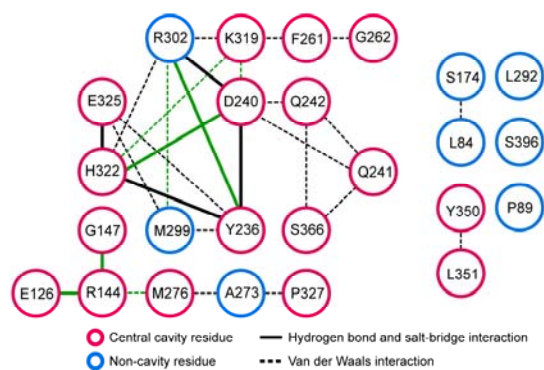


A. Ligand-free state (PDB ID: 2CFQ)



B. Ligand-bound state (PDB ID: 1PV7)

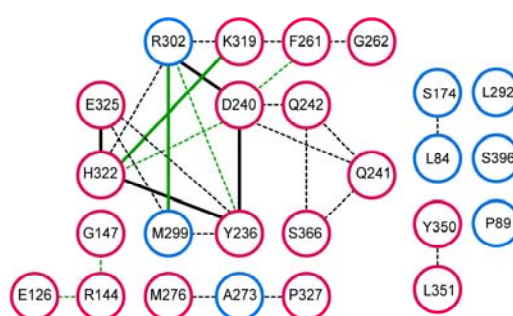


Figure S6. Interaction networks of the detected residues of LacY. Ligand-free (PDB ID: 2CFQ; left) and ligand-bound structures of LacY (PDB ID: 1PV6; right) are shown. The changed interactions of residues between two structures are shown in green. Bold lines indicate potential hydrogen bonds or salt bridges, while dashed lines represent van der Waals interactions.