## **Supporting Information**

Russell et al. 10.1073/pnas.0807142105

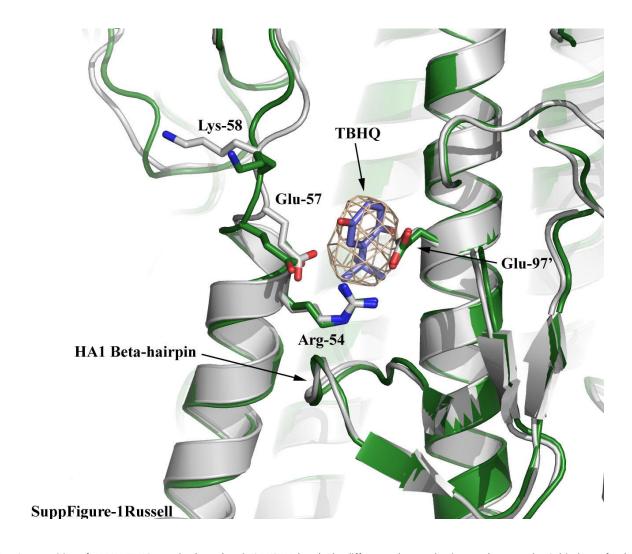


Fig. S1. Superposition of H14 HA-TBHQ complex (green) and X31 H3 HA (gray). The difference electron density map (contoured at  $3\sigma$ ) is shown for the X31 H3 HA. Selected residues are shown as sticks.