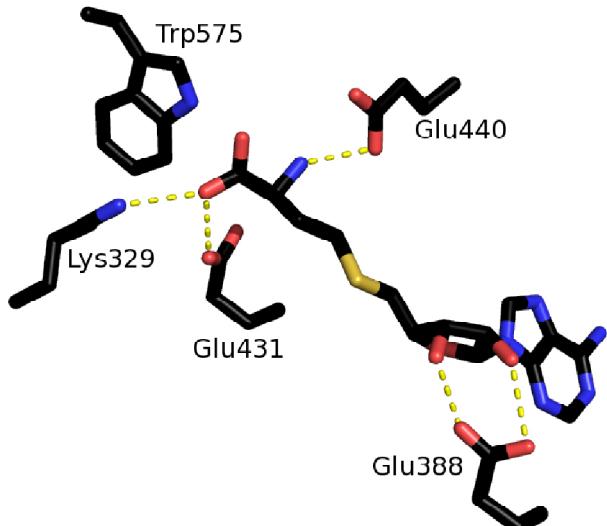
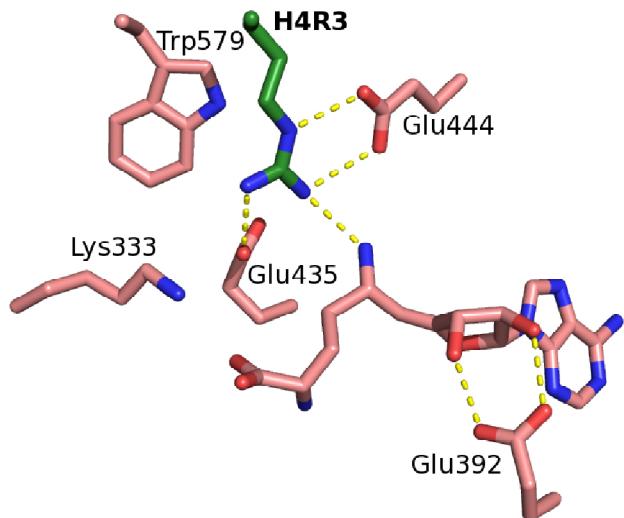


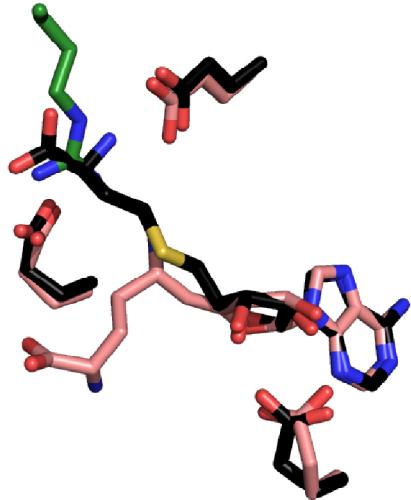
a. *Xenopus* (PDB:4G56) SAH



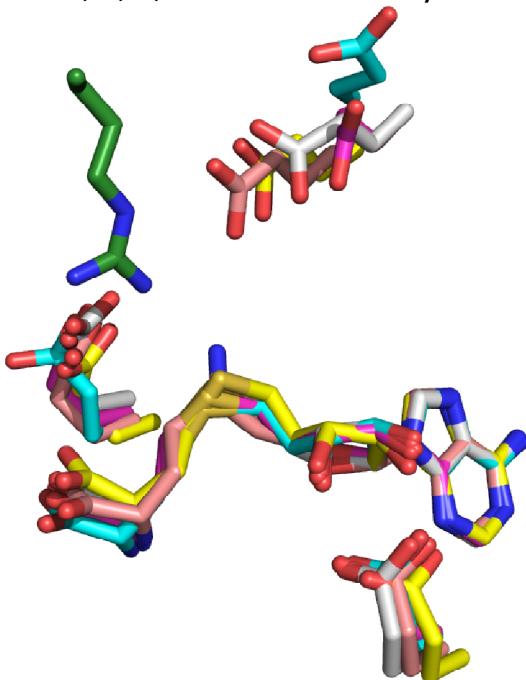
b. Human (PDB:4GQB) A9145C SAM analog



c. *Xenopus* and Human overlay



d. PRMT1, 3, 4, and 5 SAH overlay



Supplemental Figure S8. SAH Pose Comparison **a.** SAH in *Xenopus* PRMT5 (PDB:4G56). H-bonds are indicated as dashed yellow lines. The sulfur atom is shown in yellow. **b.** SAH in human PRMT5 (PDB:4GQB), H4R3 in green, PRMT5 in pink. **c.** SAH of *Xenopus* and human PRMT5 overlaid. The aminoethanoic acid in the *Xenopus* structure clashes with the H4R3 guanidinium position in the human structure. **d.** SAH of rat PRMT1 (Cyan, PDB:1ORI), human PRMT3 (Yellow, PDB: 2FYT), mouse PRMT4 (Gray, PDB:2V74), *C. elegans* PRMT5 (Pink, PDB:3UA3), and human PRMT5 (Pink, 4GQB).