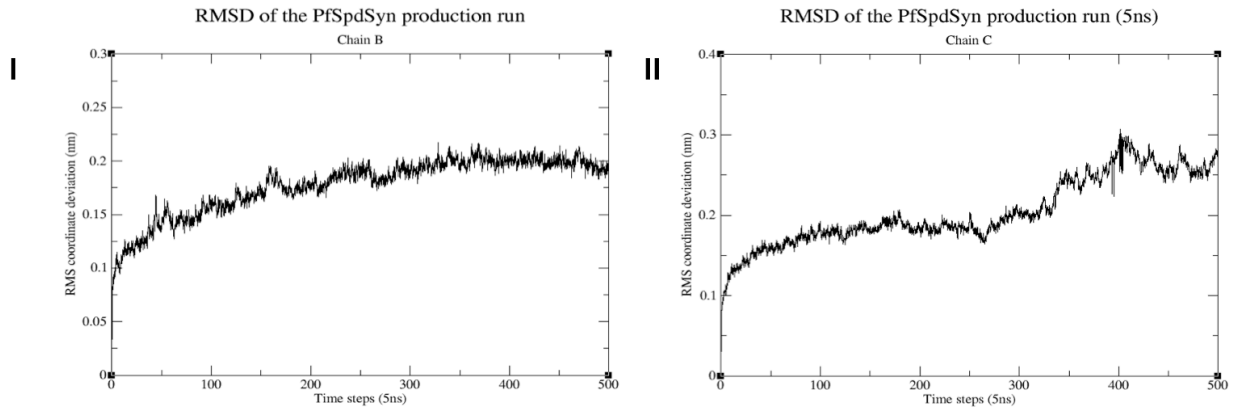


Additional Information: A novel inhibitor of *P. falciparum* spermidine synthase: a twist in the tail



Additional file 2 Phase space sampling: A 5 ns molecular dynamics (MD) simulation used to capture the flexibility of the active site. The MD trajectory was clustered to find the best representative structures. A sub-ensemble of structures was selected from clustering and are representative of 96% of the sampled phase space. A 5 ns MD simulation of the ligand free enzyme showed similar RMSDs (root-mean-square deviation) for subunits B and C in the first 2.5 ns. A slight increase was observed in the backbone RMSD of subunit C (II) over the last 2.5 ns compared to subunit B (I) due to an increase in movement of the gate-keeping loop.