Use the general (S1,S2,P1,….; k1,..,k4) notation

Do front face in two formats as before: E.S2.P1 in middle or E.S1.S2 in middle

Top face: keep I2 notation. Replace k3,k-3 with k5,k-5. Also replace kcat with k4 as usual. Replace E.Ac-Pr and E.ADPR-Pr-Im as usual

Change deacetylation to forward reaction; base exchange to reverse reaction

