Figure S1  Diagram of two-component signaling pathways (A) Hybrid histidine kinase with phosphotransferase relay (B) Canonical histidine kinase and response regulator, modeled after the dual REC-domain PleD. Solid lines represent intermolecular transfer events, dashed lines represent cognate REC domain phosphotransfer events. DHp, dimerization and histidine phosphotransfer domain; CA, catalytic domain; REC, receiver domain; H, histidine; P, phosphate; D, conserved aspartate; N, metal-binding asparagine.