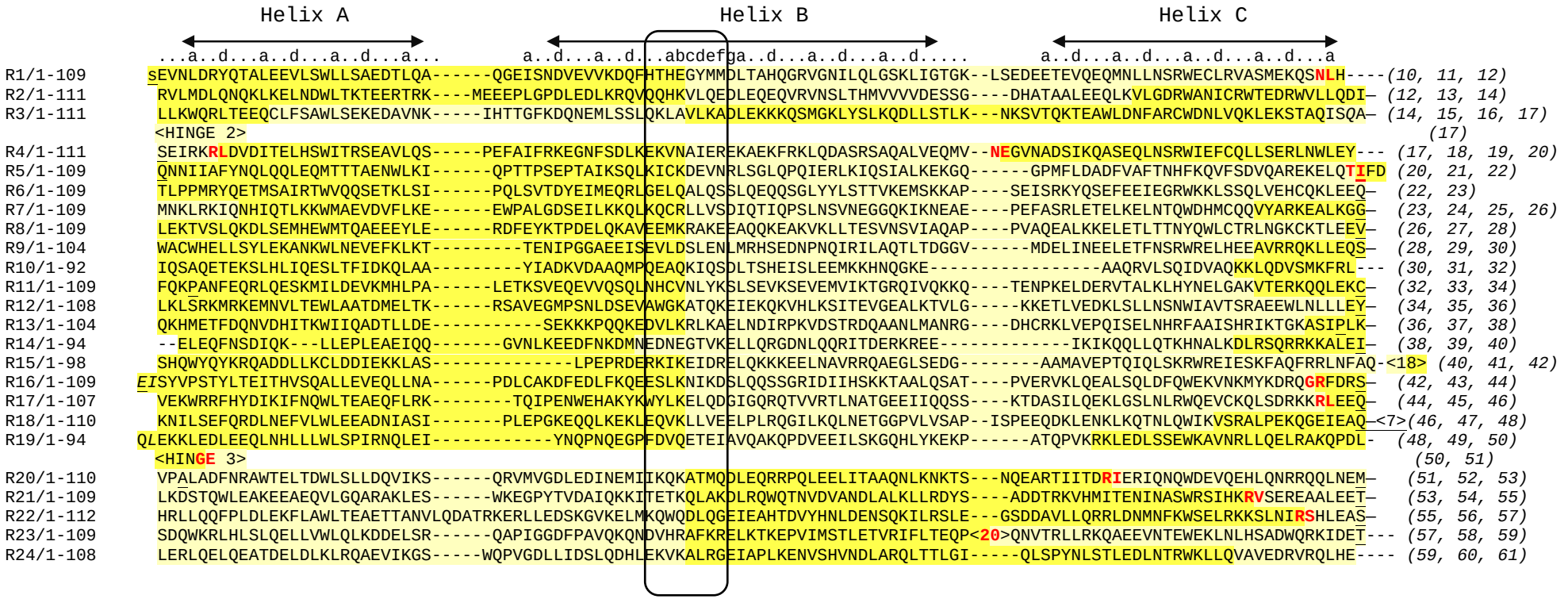Additional figure S2