

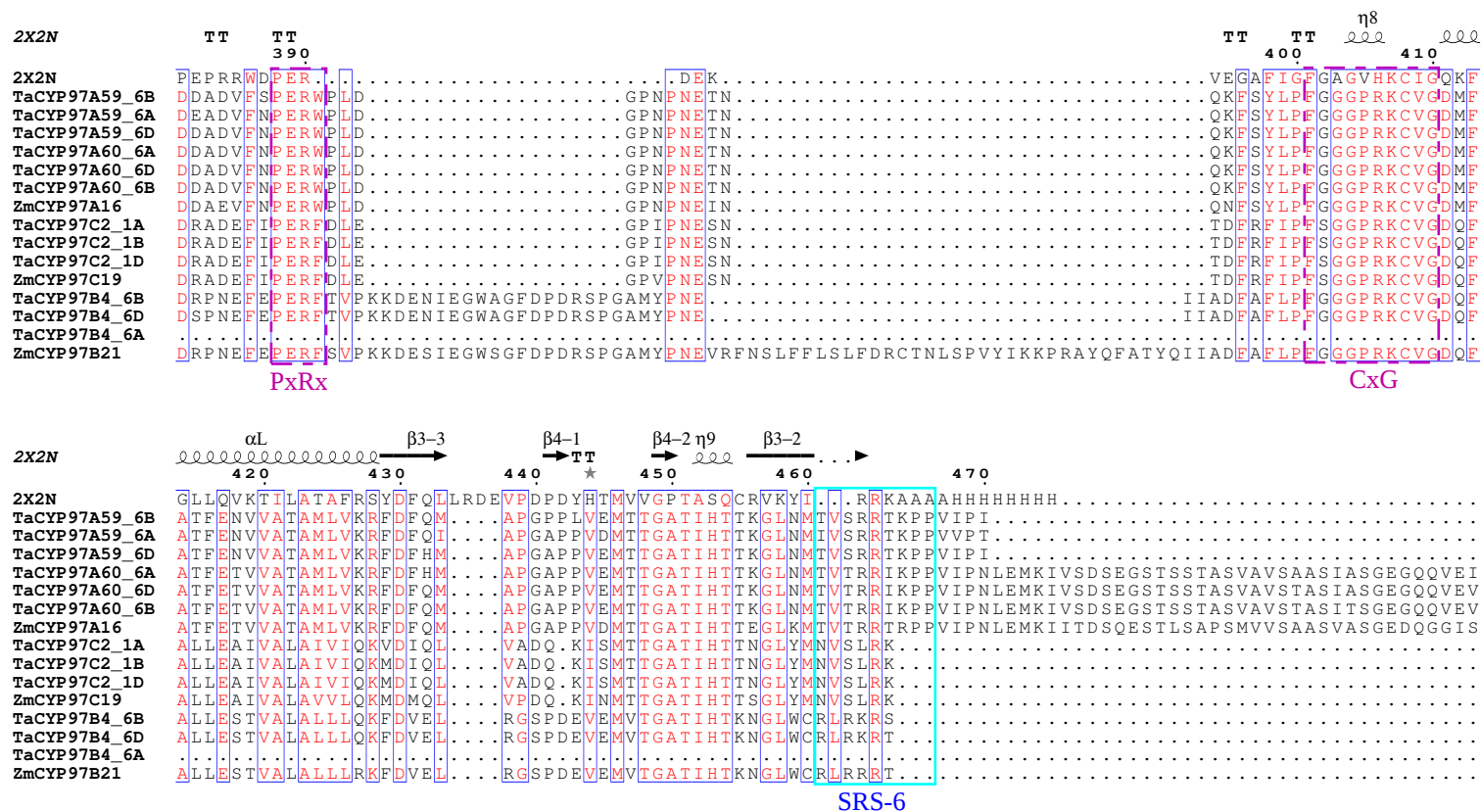


Figure S16. Multiple sequence alignment and secondary structure assignment of CYP97 members. Assignment of secondary structure elements was based on 2X2N. Cyan frames localize Gotoh's Substrate recognition sites (SRSs) 1–6 that were manually determined. Purple frames localize the main CYP450 motifs. The η symbol refers to a 3_{10} -helix. α -helices, 3_{10} -helices and π -helices are displayed as medium, small and large squiggles, respectively. β -strands are rendered as arrows, strict β -turns as TT letters and strict α -turns as TTT. White characters on the red background show strict identity. Red characters on the white background show similarity in a group, while blue frames show similarity across groups.