

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Chimeric cytochrome P450 sequences that are not made by recombining the three parent cytochrome P450s (CYP102A1, CYP102A2, CYP102A3) at the seven cross over positions in Supplementary Fig. 12.

File Name: Supplementary Data 2

Description: Experimental and predicted T50 values for chimeric cytochrome P450 sequences.

File Name: Supplementary Data 3

Description: Experimental and predicted free energy changes upon single site mutations.