**Table S3.** Significance of the top six variables identified by logistic regression analysis of cytochrome P450 chimeras.

Variable	<b>p-value</b> <sup>1</sup>
1	1 x 10 <sup>-12</sup>
5	$3 \times 10^{-8}$
7	$2 \times 10^{-17}$
1-7	3 x 10 <sup>-12</sup>
1-5	0.01
5-8	0.02

<sup>&</sup>lt;sup>1</sup>p-values were calculated by removing each variable from the model and applying the likelihood ratio test (see Methods).