

Supplementary Materials: Bioactivation and Regioselectivity of Pig Cytochrome P450 3A29 towards Aflatoxin B₁

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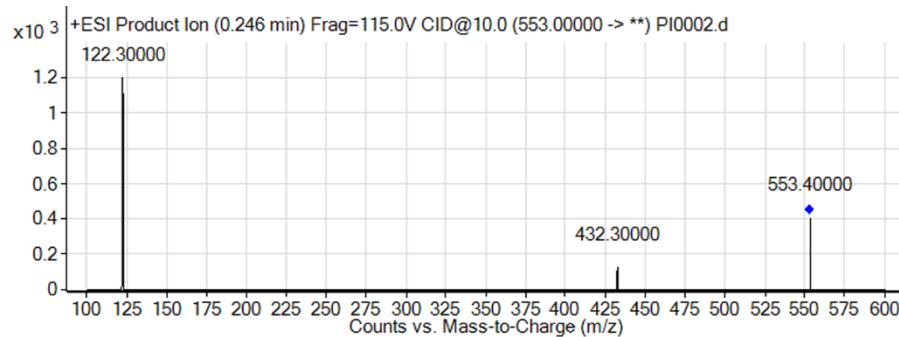


Figure S1. The identification of metabolite by LC-MS/MS.

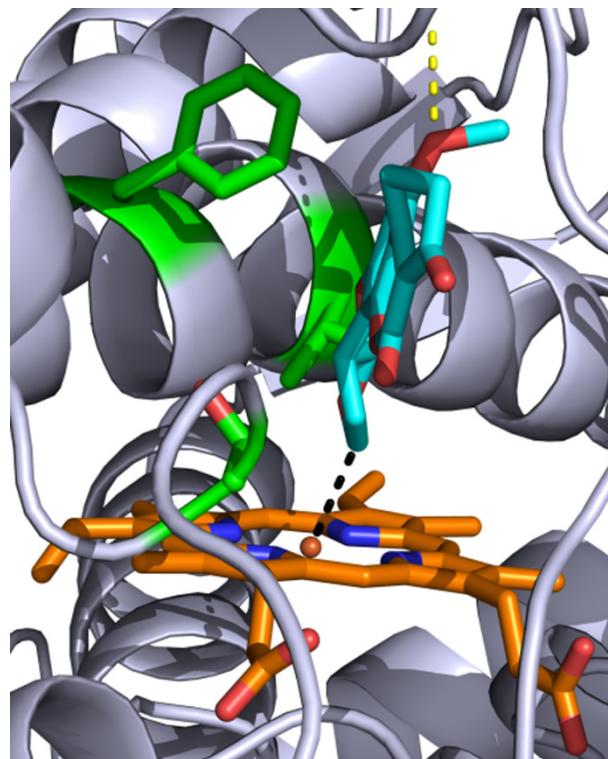


Figure S2. The side view of docking model.

Table S1. The relative quantification of metabolic activities of CYP3A29 and its mutants to AFB₁.

Enzymes	Dihydrodiol-Tris	AFG ₁	Dihydrodiol-Tris/AFG ₁	Normalized Values *
WT1	1,775,720	19,910,728	0.089	-
WT2	1,970,378	20,402,016	0.097	-
WT3	1,600,007	18,956,344	0.084	1.00 (0.090)
S119A1	403,518	21,918,143	0.018	-
S119A2	1,319,961	19,772,791	0.067	-
S119A3	504,333	12,758,786	0.040	0.46 (0.042)
F304A1	3,506,055	15,406,563	0.23	-
F304A2	4,335,512	19,841,307	0.22	-
F304A3	3,913,793	18,719,767	0.21	2.42 (0.22)
T309A1	120,478	5,361,935	0.022	-
T309A2	467,321	20,436,934	0.023	-
T309A3	456,039	20,808,153	0.022	0.25 (0.0224)

* The values in brackets represent the average of three repeats.