

**Electronic Supplementary Information for**

**Tryptophan prenyltransferases showing higher catalytic activities for Friedel-Crafts alkylation of *o*-  
and *m*-tyrosine than tyrosine prenyltransferases**

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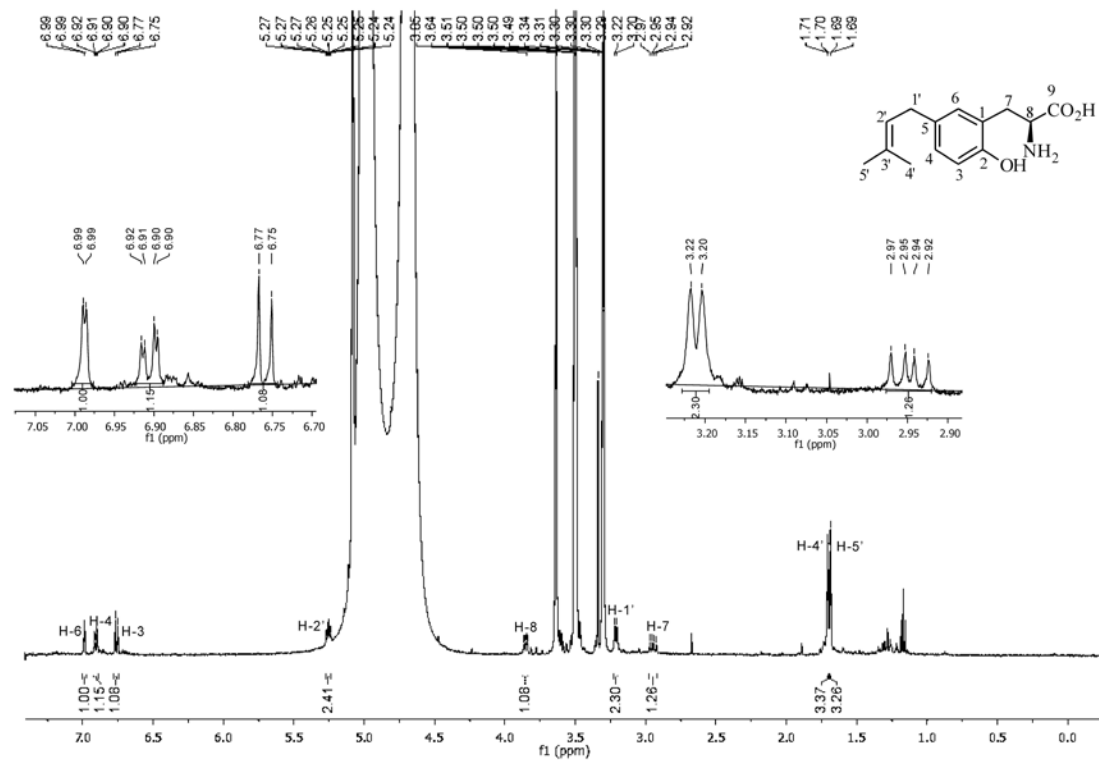


Fig. S1. <sup>1</sup>H-NMR spectrum of **3b** in MeOH-d<sub>4</sub>.

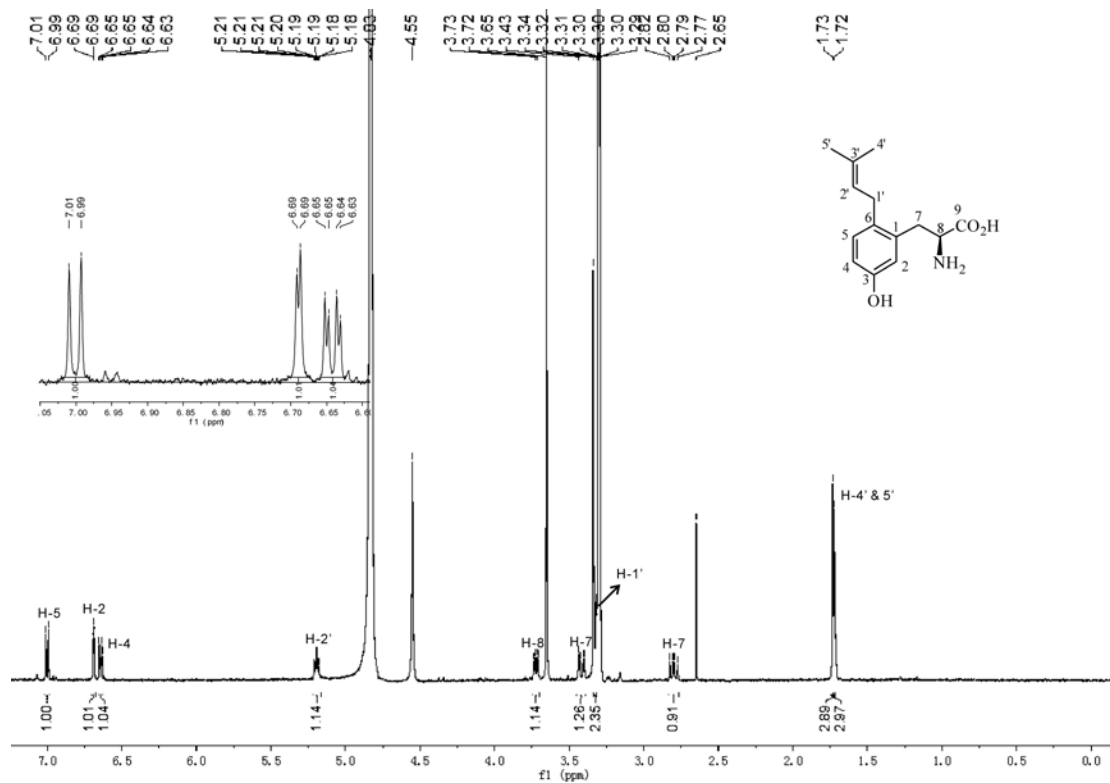


Fig. S2. <sup>1</sup>H-NMR spectrum of **4b** in MeOH-d<sub>4</sub>.

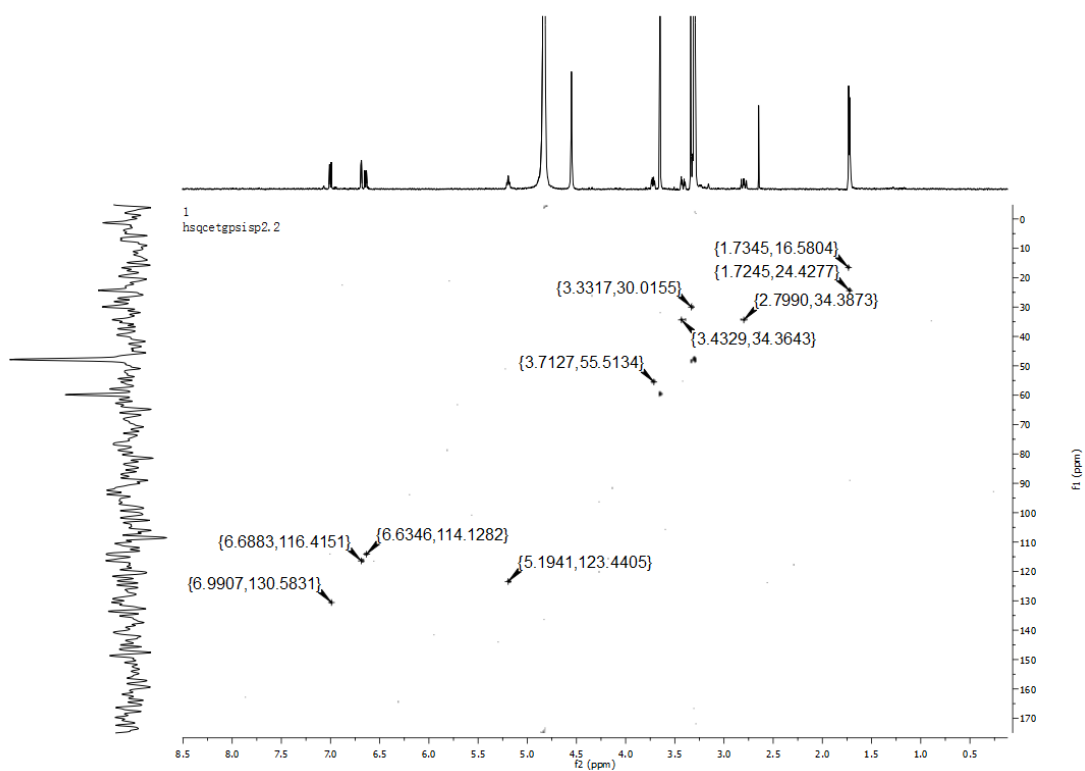


Fig. S3. HSQC spectrum of **4b** in MeOH-d<sub>4</sub>.

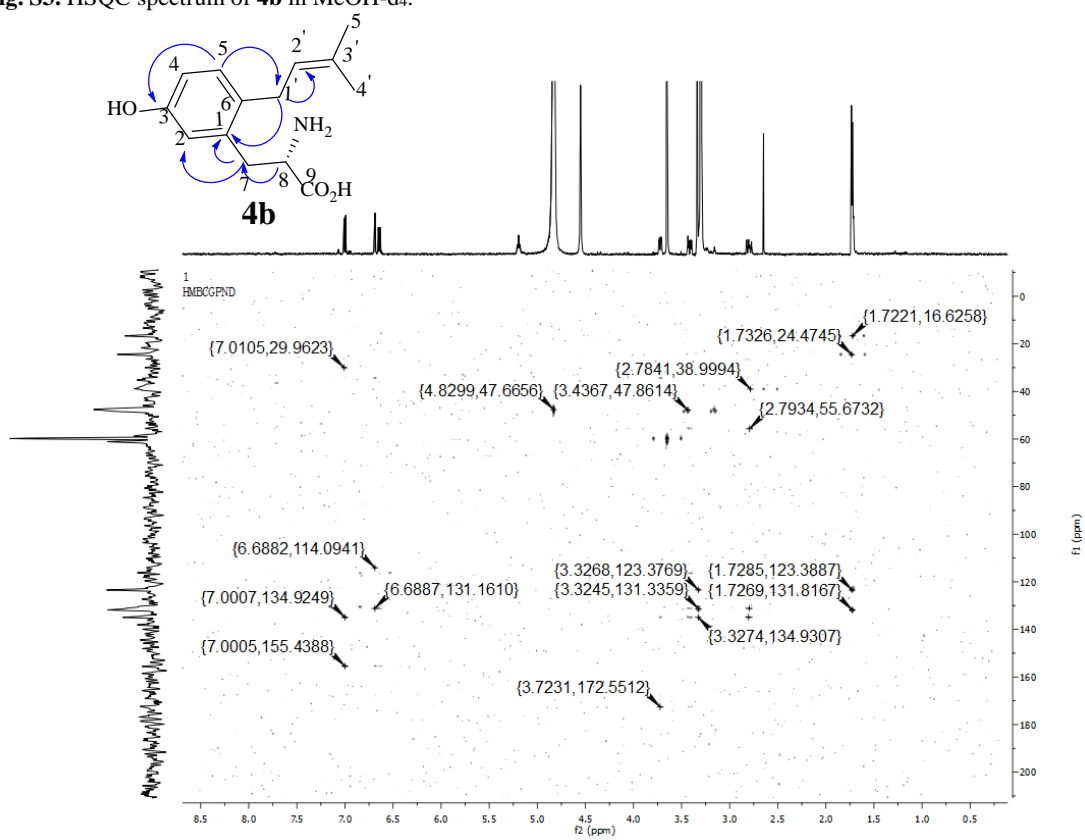
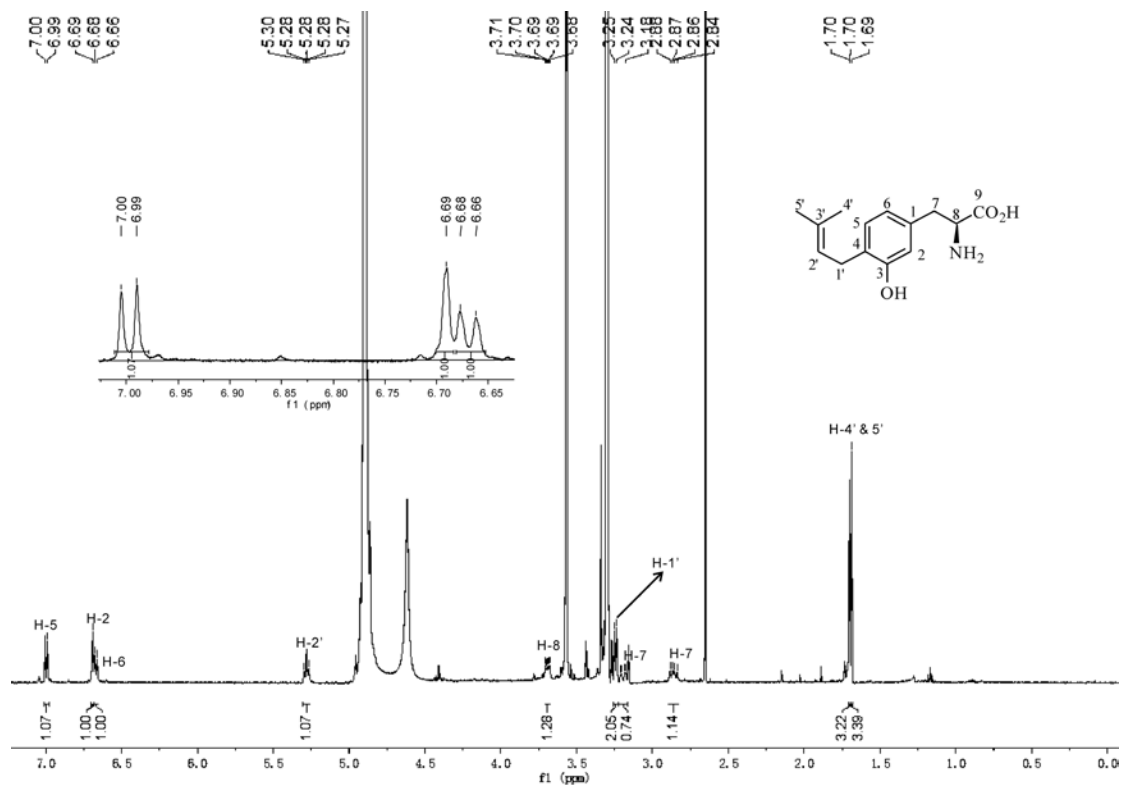


Fig. S4. HMBC spectrum of **4b** in MeOH-d<sub>4</sub>.



**Fig. S5.** <sup>1</sup>H-NMR spectrum of **4c** in MeOH-d<sub>4</sub>.

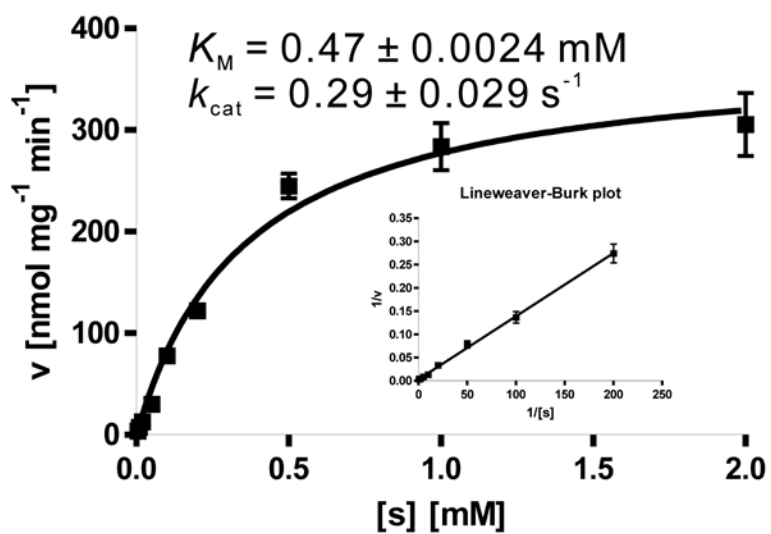


Fig. S6. Determination of kinetic parameters of FgaPT2 for 3a.

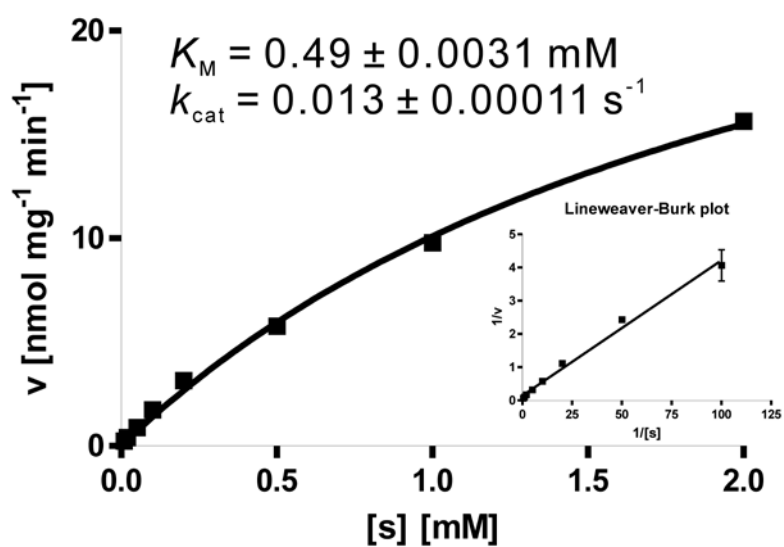


Fig. S7. Determination of kinetic parameters of 5-DMATS for 3a.

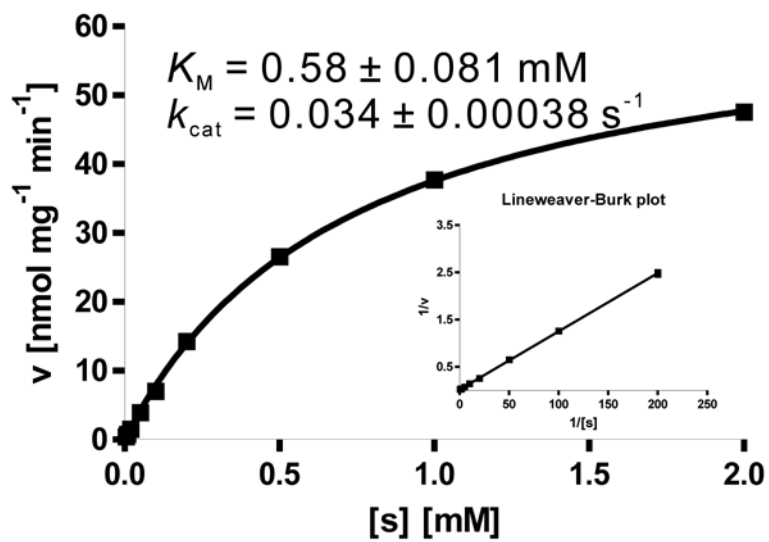


Fig. S8. Determination of kinetic parameters of 6-DMATS<sub>Sv</sub> for 3a.

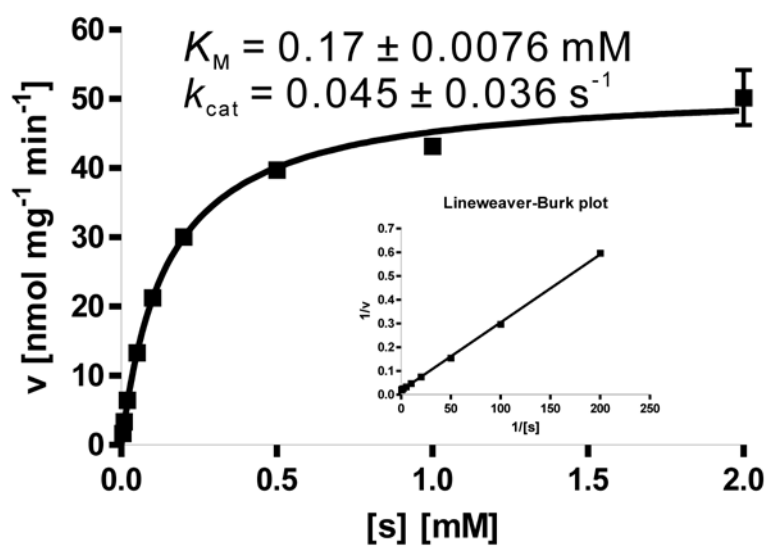


Fig. S9. Determination of kinetic parameters of 7-DMATS for 3a.

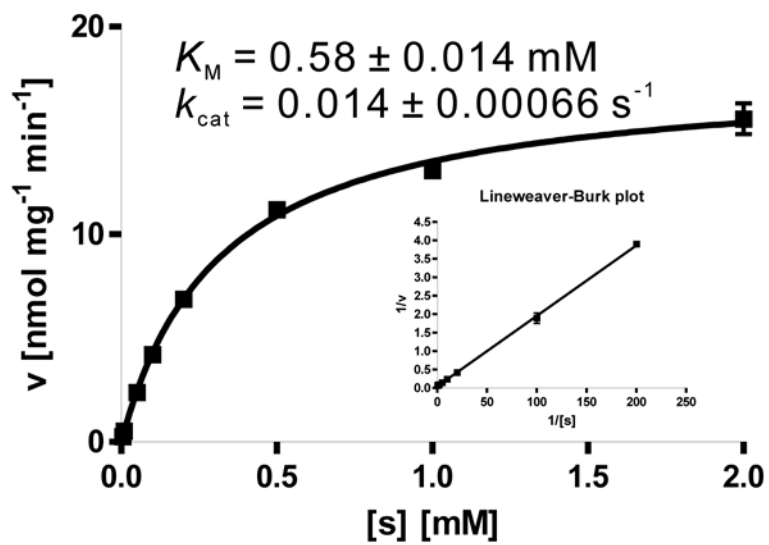


Fig. S10. Determination of kinetic parameters of TyrPT for 3a.

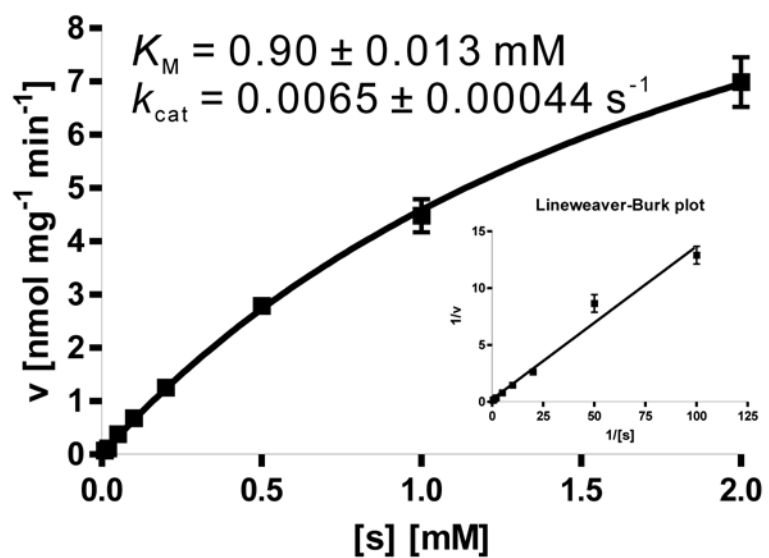


Fig. S11. Determination of kinetic parameters of FgaPT2 for 4a.