



**Supplementary Fig. S3. Mole fraction profiles of reactants, main products, and important intermediate species of anisole pyrolysis in jet stirred reactor.** Experimental data are taken from Nowakowska et al. <sup>[1]</sup>. The solid lines are simulation using kinetic model developed in this work, compare to the dashed lines using LLNL model <sup>[2]</sup>.

## References

1. Nowakowska M, Herbinet O, Dufour A, Glaude P-A. 2014. Detailed kinetic study of anisole pyrolysis and oxidation to understand tar formation during biomass combustion and gasification. *Combustion and Flame* 161:1474-88
2. Wagnon SW, Thion S, Nilsson EJK, Mehl M, Serinyel Z, et al. 2017. Experimental and modeling studies of a biofuel surrogate compound: laminar burning velocities and jet-stirred reactor measurements of anisole. *Combustion and Flame* 189:325-36