



**Figure S5** Comparison of the species profiles in shock tube pyrolysis of *n*-hexane and Ar mixture at 1.0-2.0 atm by Yasunaga et al. <sup>[10]</sup> (symbols) and simulated results of the present model (lines).  $C_0$  and  $C$  denote the initial concentration of *n*-hexane and concentration of chemical species after shock heated respectively.

## References

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