

*Supporting Information for article*

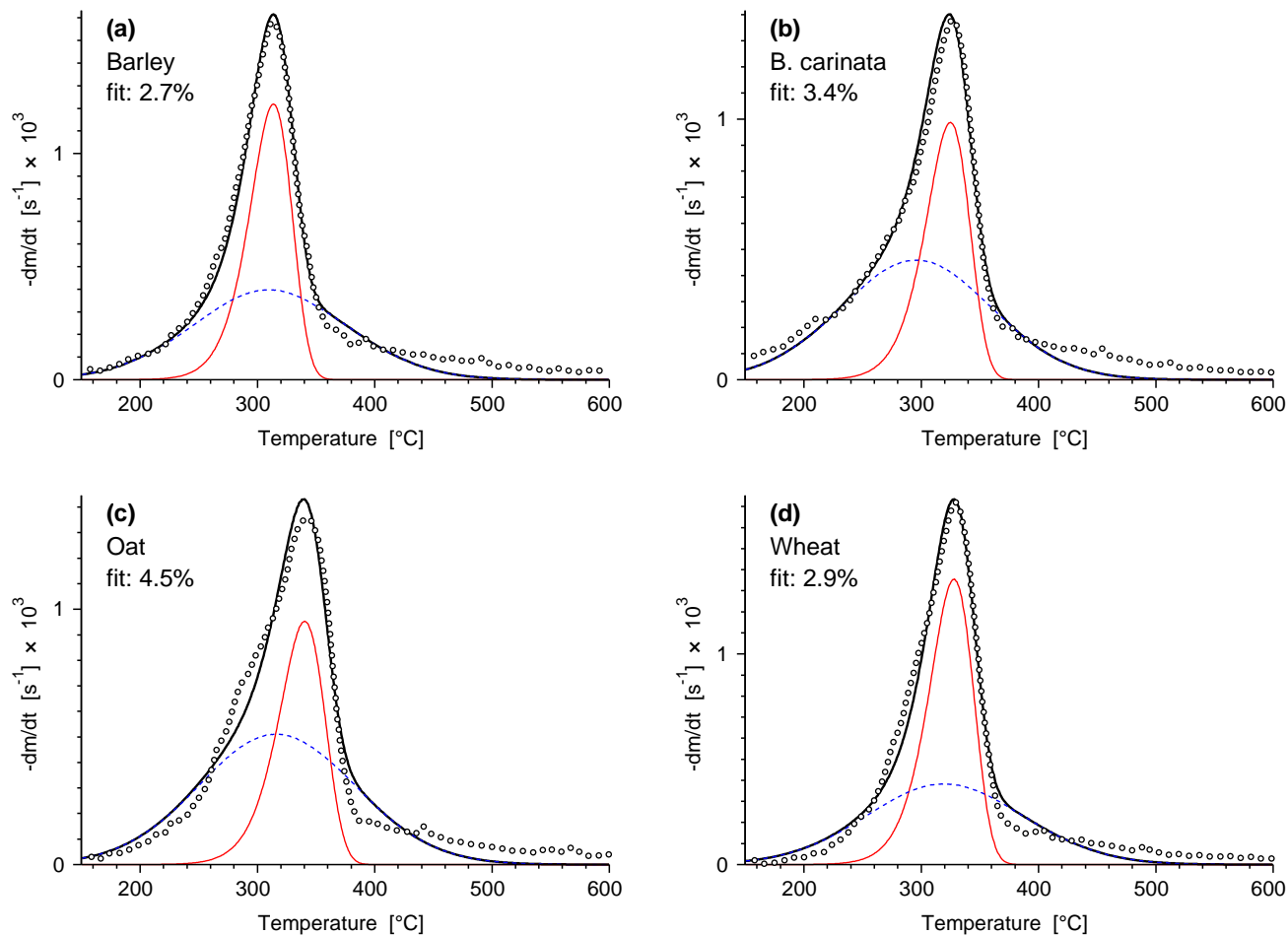
Várhegyi, G.\*; Chen, H.; Godoy, S.:  
Thermal decomposition of wheat, oat, barley and  
*Brassica carinata* straws. A kinetic study.

*Energy Fuels* **2009**, 23, 646-652. doi: [10.1021/ef800868k](https://doi.org/10.1021/ef800868k)

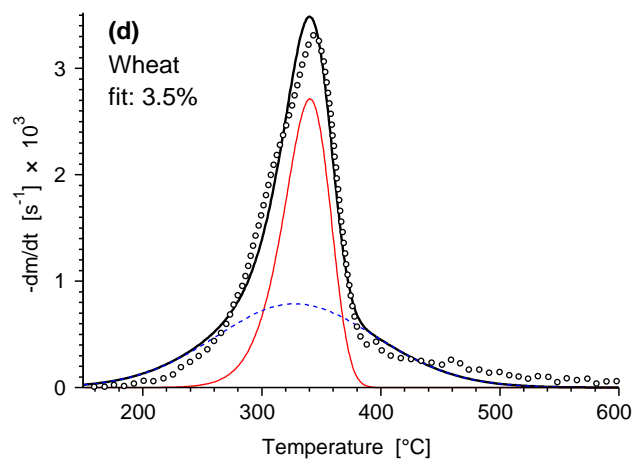
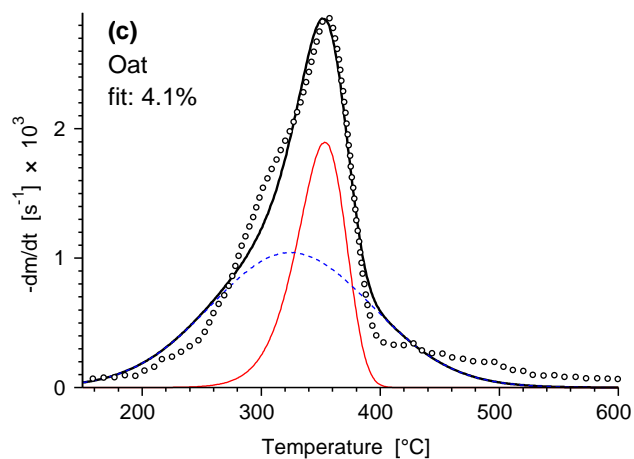
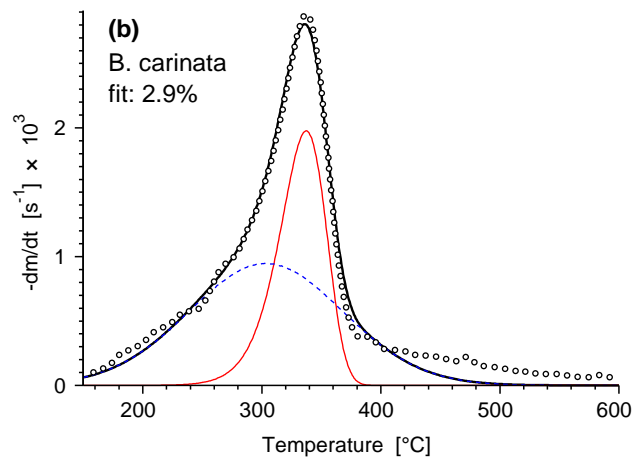
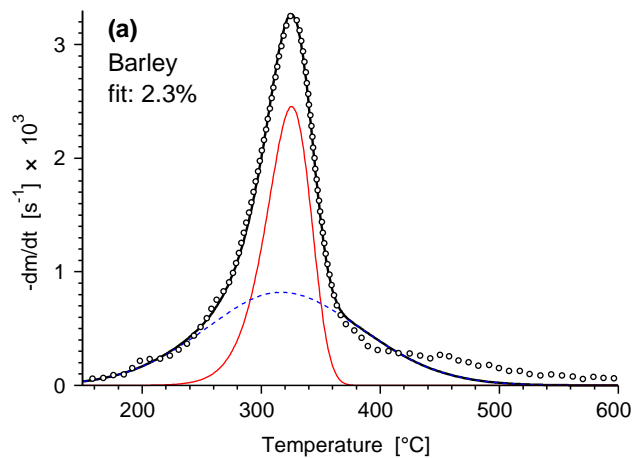
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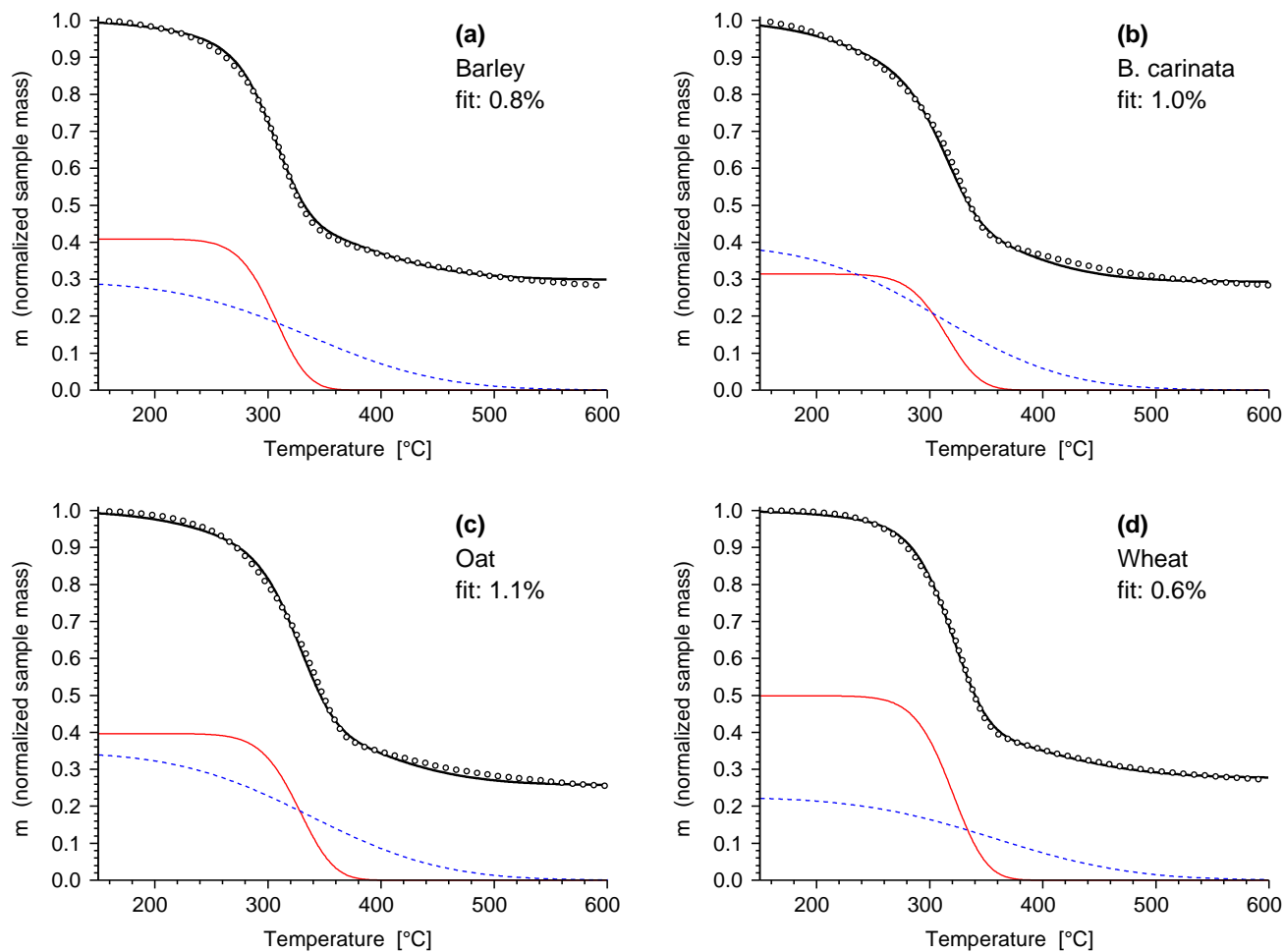
**Scope of this document:** The kinetic evaluation of the samples was illustrated by figures on the highest actual heating rate (47°C/min) in the corresponding paper. The present *Supporting Information* contains further figures at heating rates of 11 and 22°C/min.



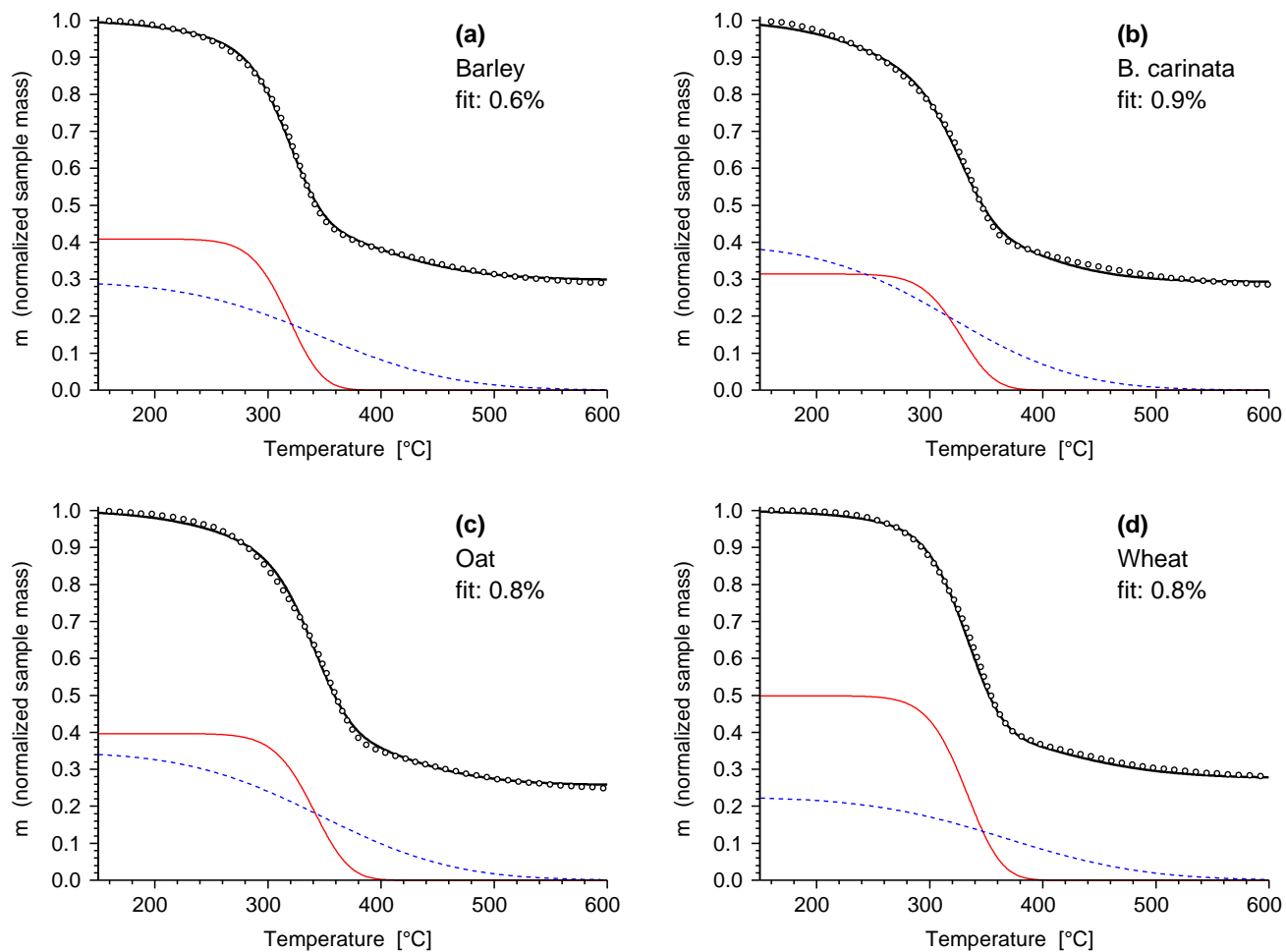
**Figure S1.** Kinetic evaluation of a series of twelve **DTG** curves by the method of least squares. The experimental curves ( $\circ \circ \circ$ ), simulated curves ( $\text{—}$ ) and partial curves ( $\text{- - -}$ ,  $\text{—}$ ) are shown at heating rate  $11^{\circ}C/min$ .



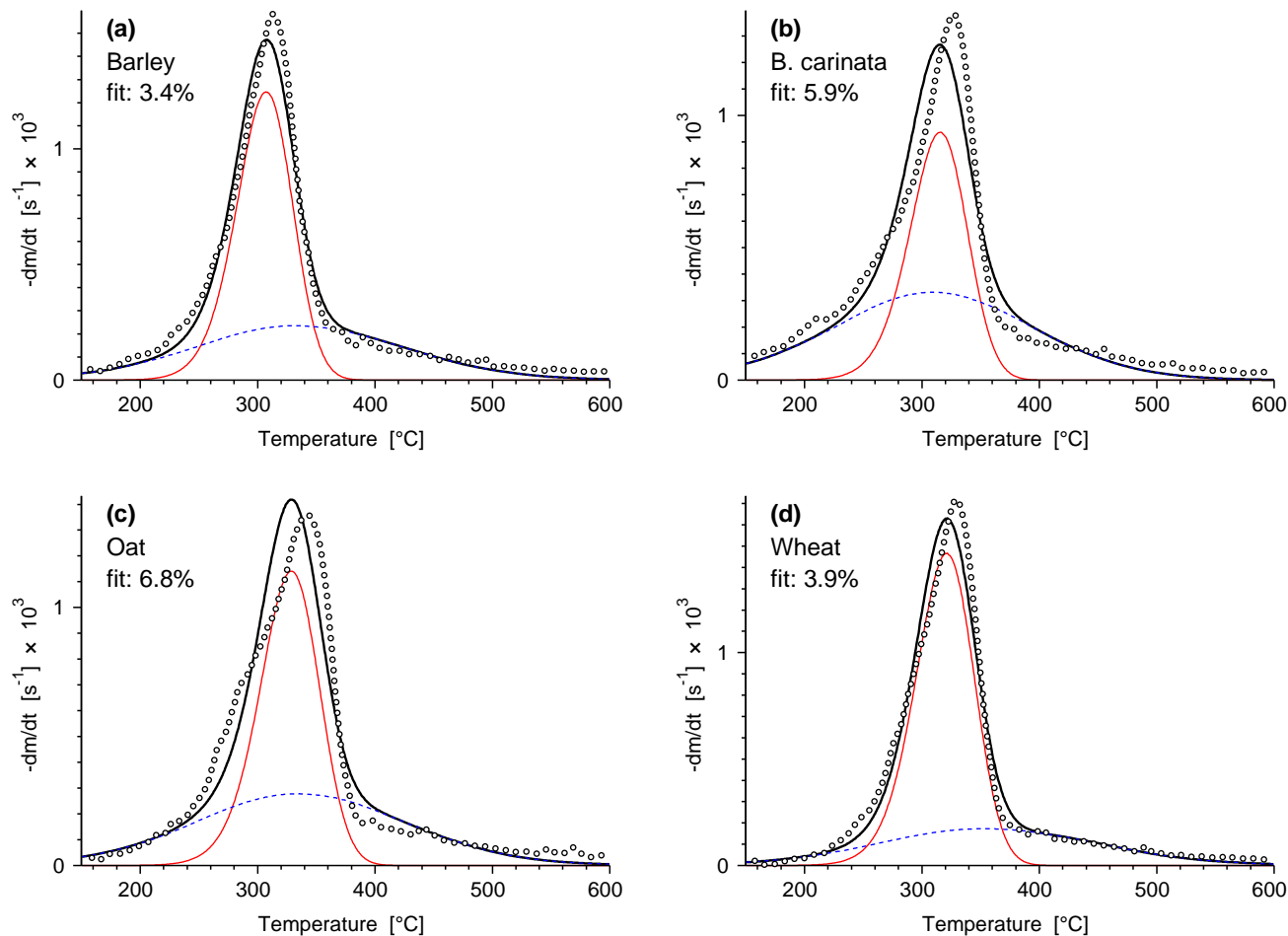
**Figure S2.** Kinetic evaluation of a series of twelve **DTG** curves by the method of least squares. The experimental curves (○ ○ ○), simulated curves (—) and partial curves (---, —) are shown at heating rate **22°C/min**.



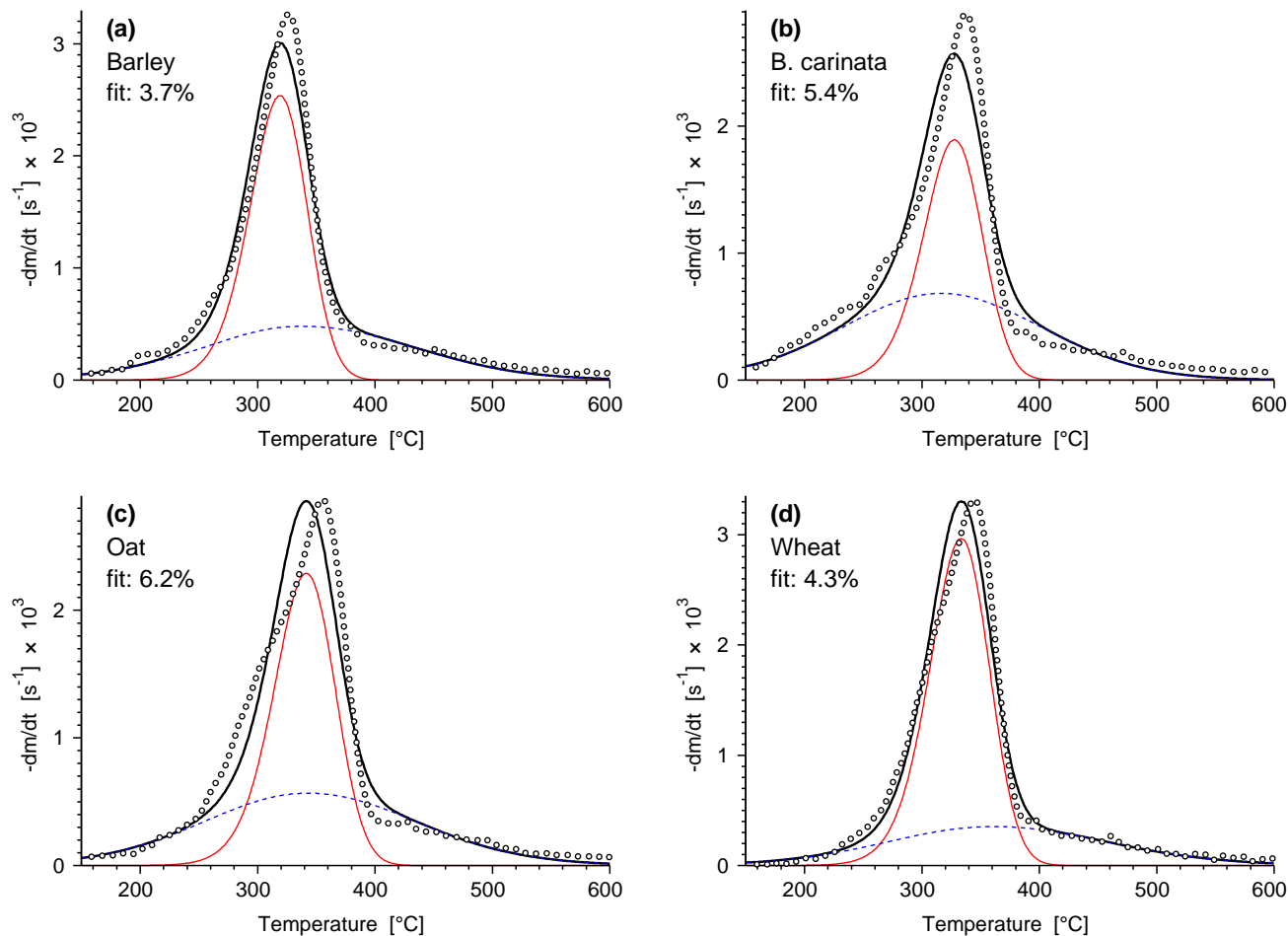
**Figure S3.** Kinetic evaluation of a series of twelve TGA curves by the method of least squares. The experimental curves (o o o), simulated curves (—) and partial curves (- - -, —) are shown at heating rate 11°C/min.



**Figure S4.** Kinetic evaluation of a series of twelve TGA curves by the method of least squares. The experimental curves (o o o), simulated curves (—) and partial curves (---, —) are shown at heating rate 22°C/min.



**Figure S5.** The best fitting parameters of the TGA curves cannot mimic well the top of the experimental DTG peaks. The parameters belonging to Figures 3 and 4 were tested on the corresponding DTG curves at **11°C/min**.



**Figure S5.** The best fitting parameters of the TGA curves cannot mimic well the top of the experimental DTG peaks. The parameters belonging to Figures 3 and 4 were tested on the corresponding DTG curves at **22°C/min**.