

1 **Supporting Information for**

2 **Source time functions of earthquakes based on a**
3 **stochastic differential equation**

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5 Individual results of the 1,000 convolutions are shown for case A (Fig.S.1) and case B (Fig.S.2).
6 Five results are plotted in different colors for each.

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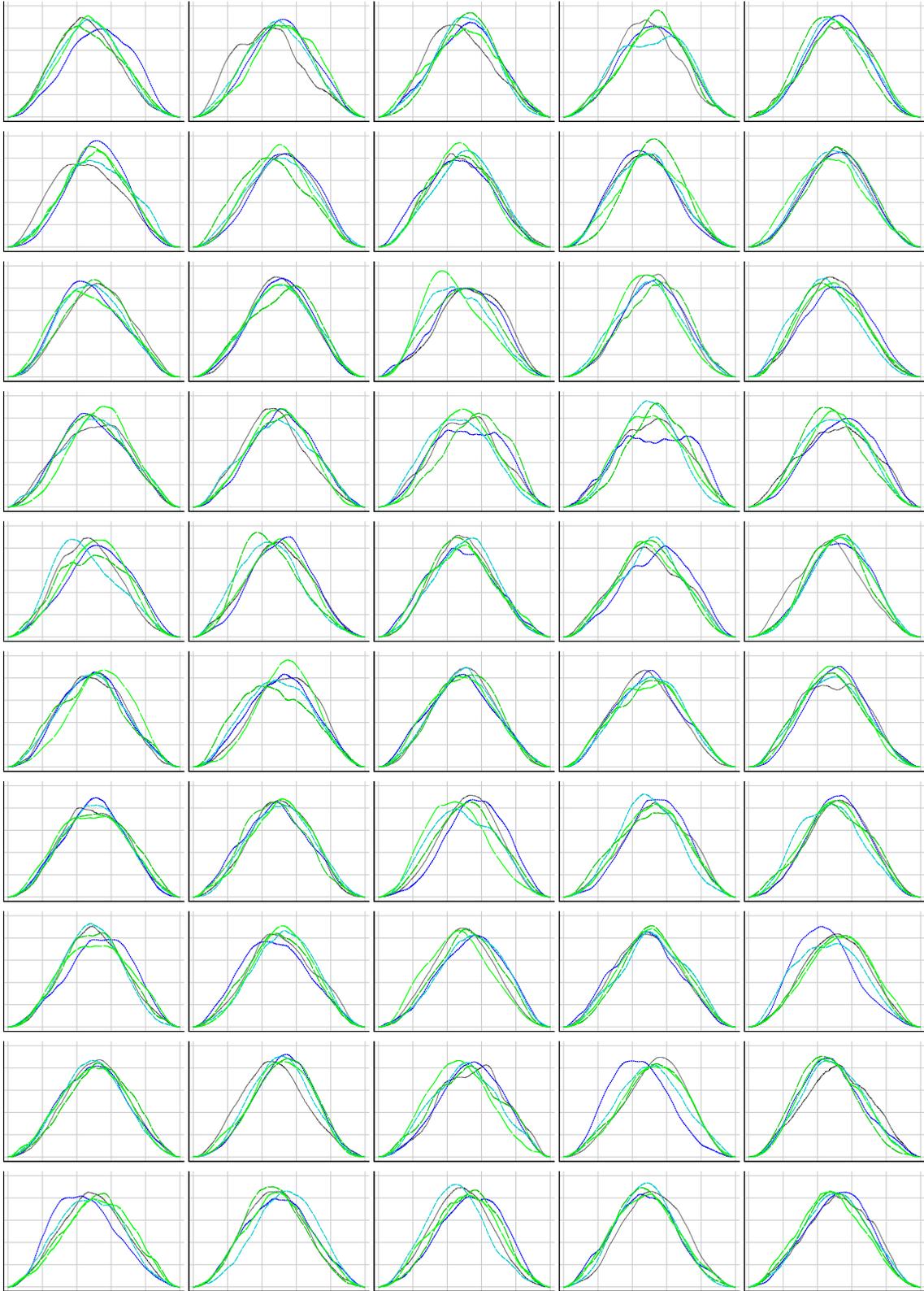


Figure S.1: The 1,000 convolutions (4 pages \times 10 rows \times 5 columns \times 5 per each) for case A. The abscissae and ordinates are normalized by each duration and total moment, respectively (conti.)

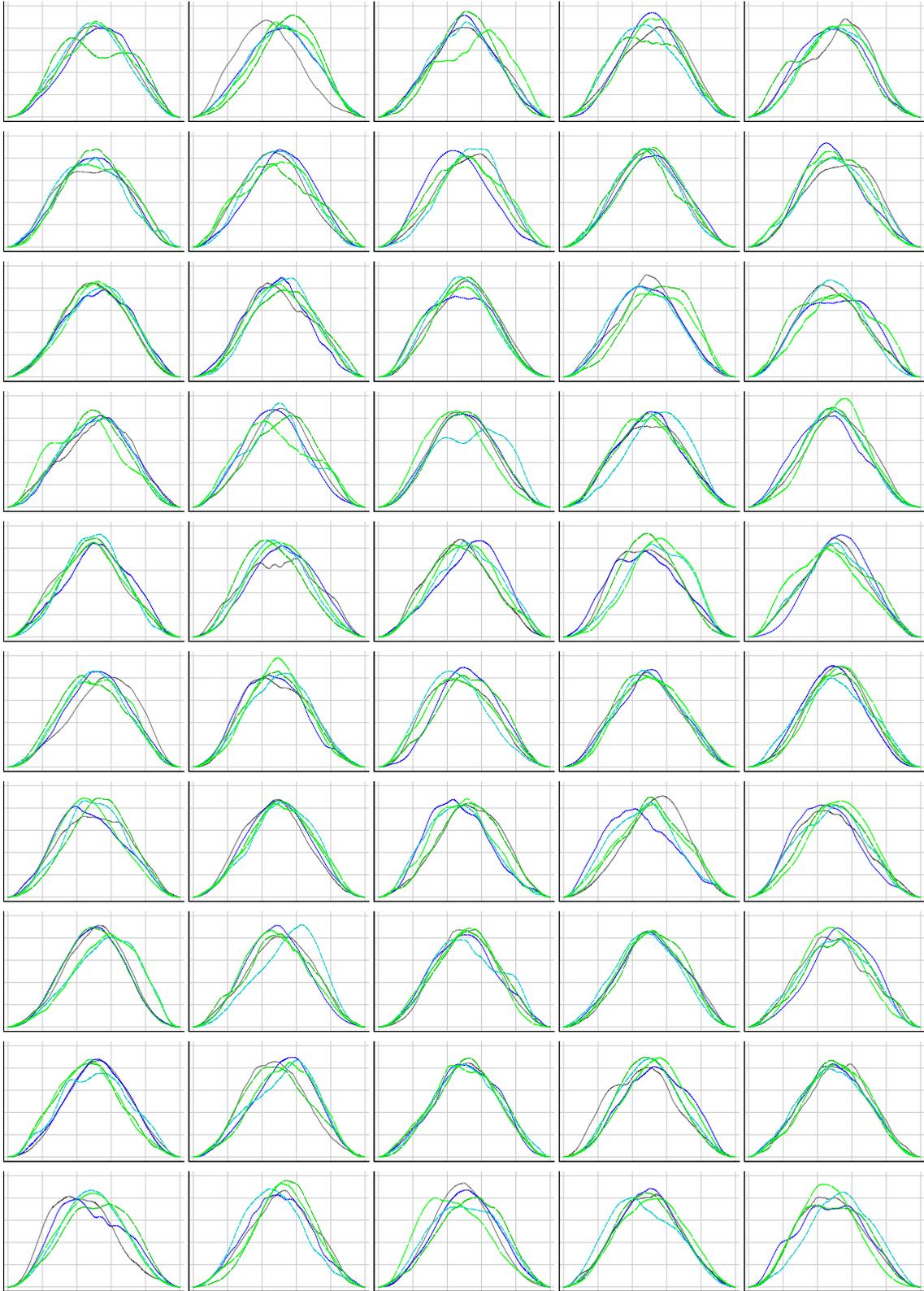


Figure S.1: (conti.)

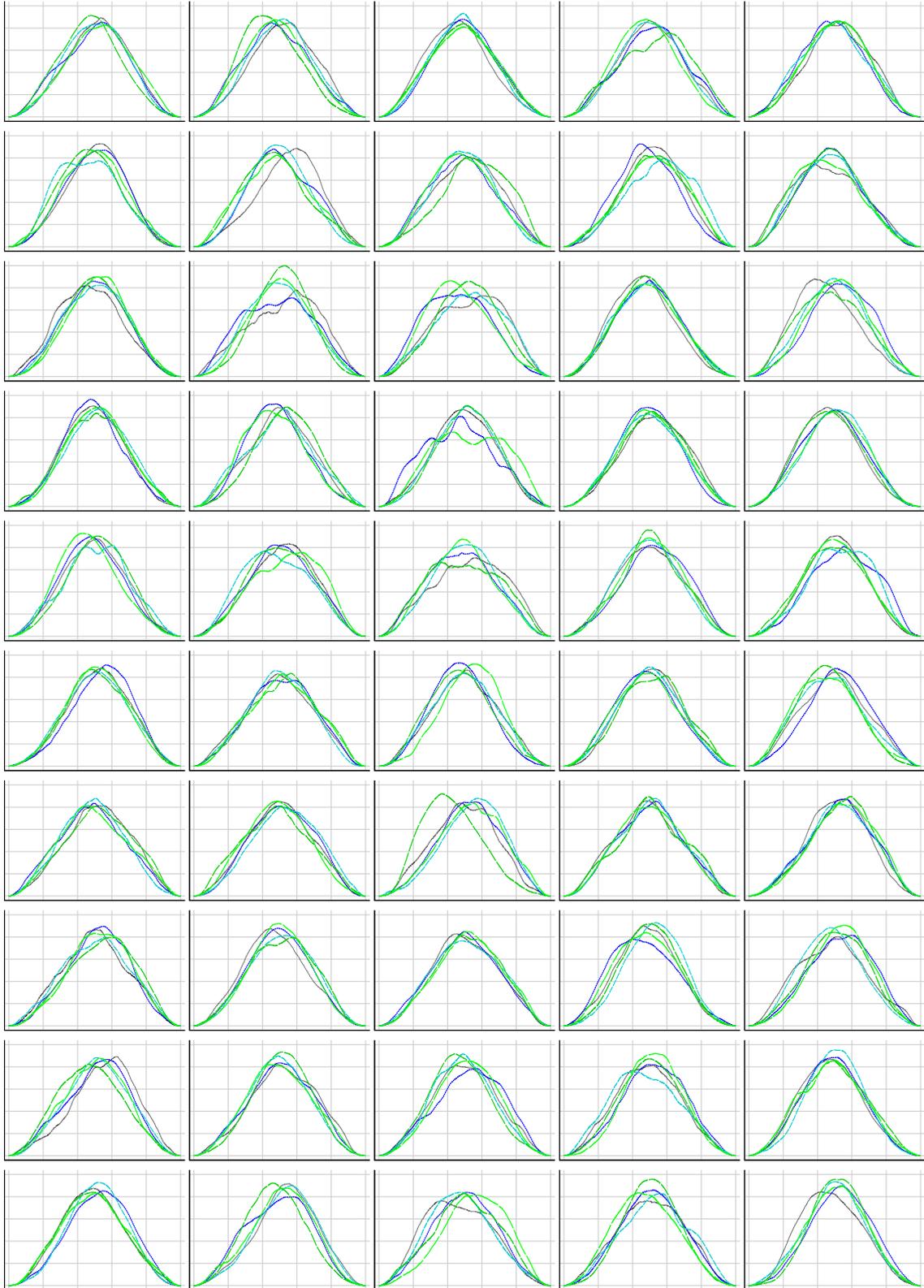


Figure S.1: (conti.)

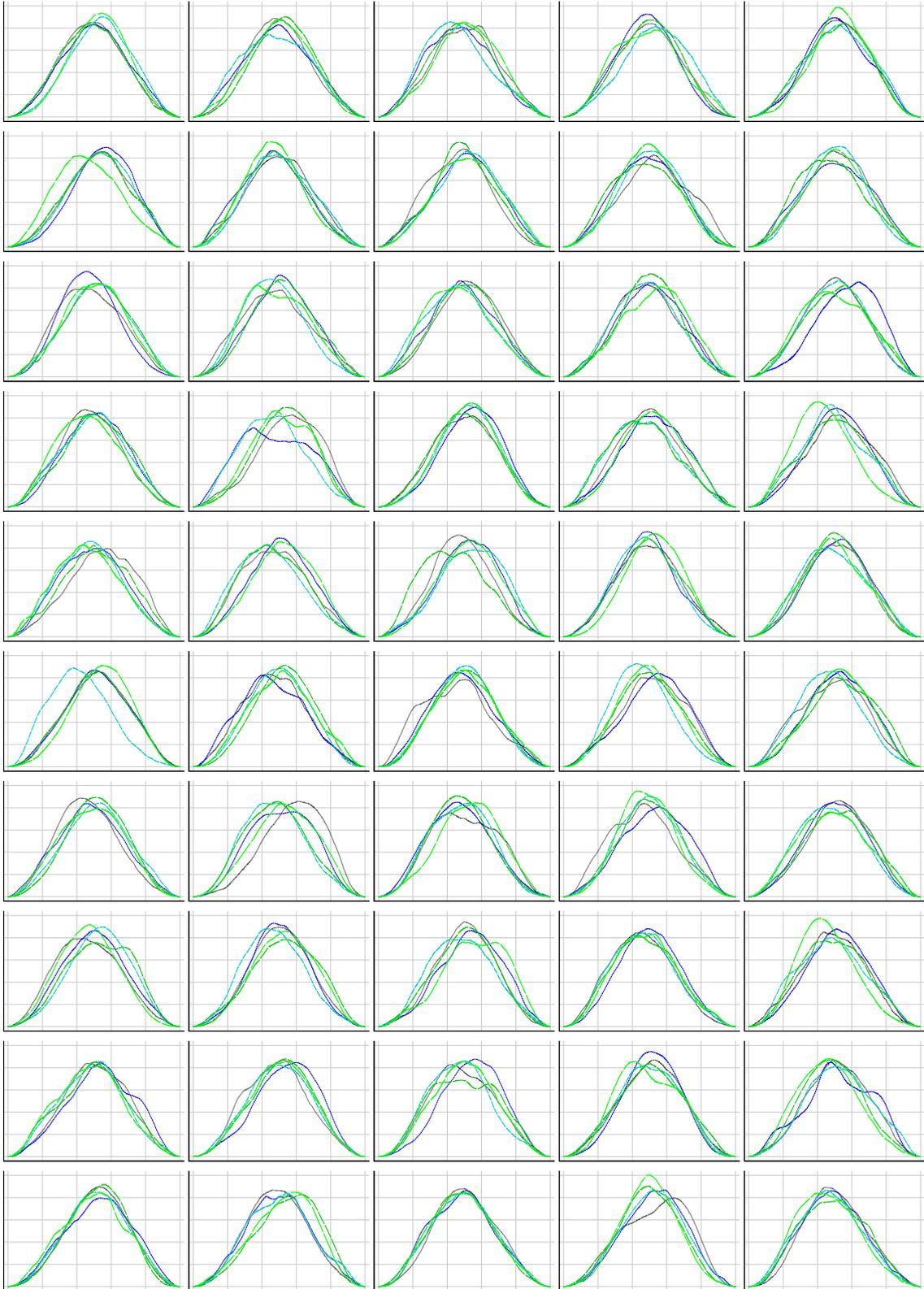


Figure S.1: (end.)

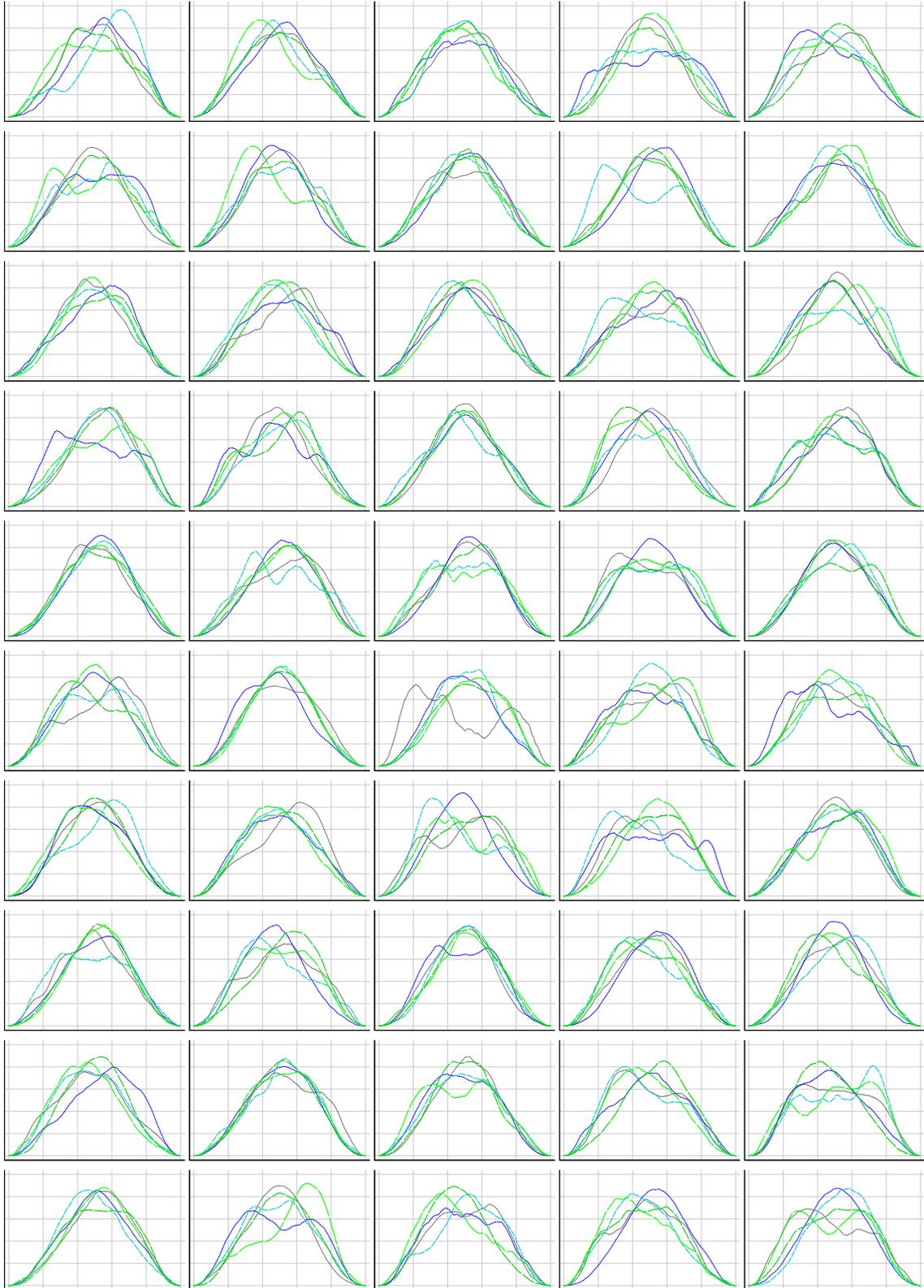


Figure S.2: The same plots as Fig.S.1 for case B. (conti.)

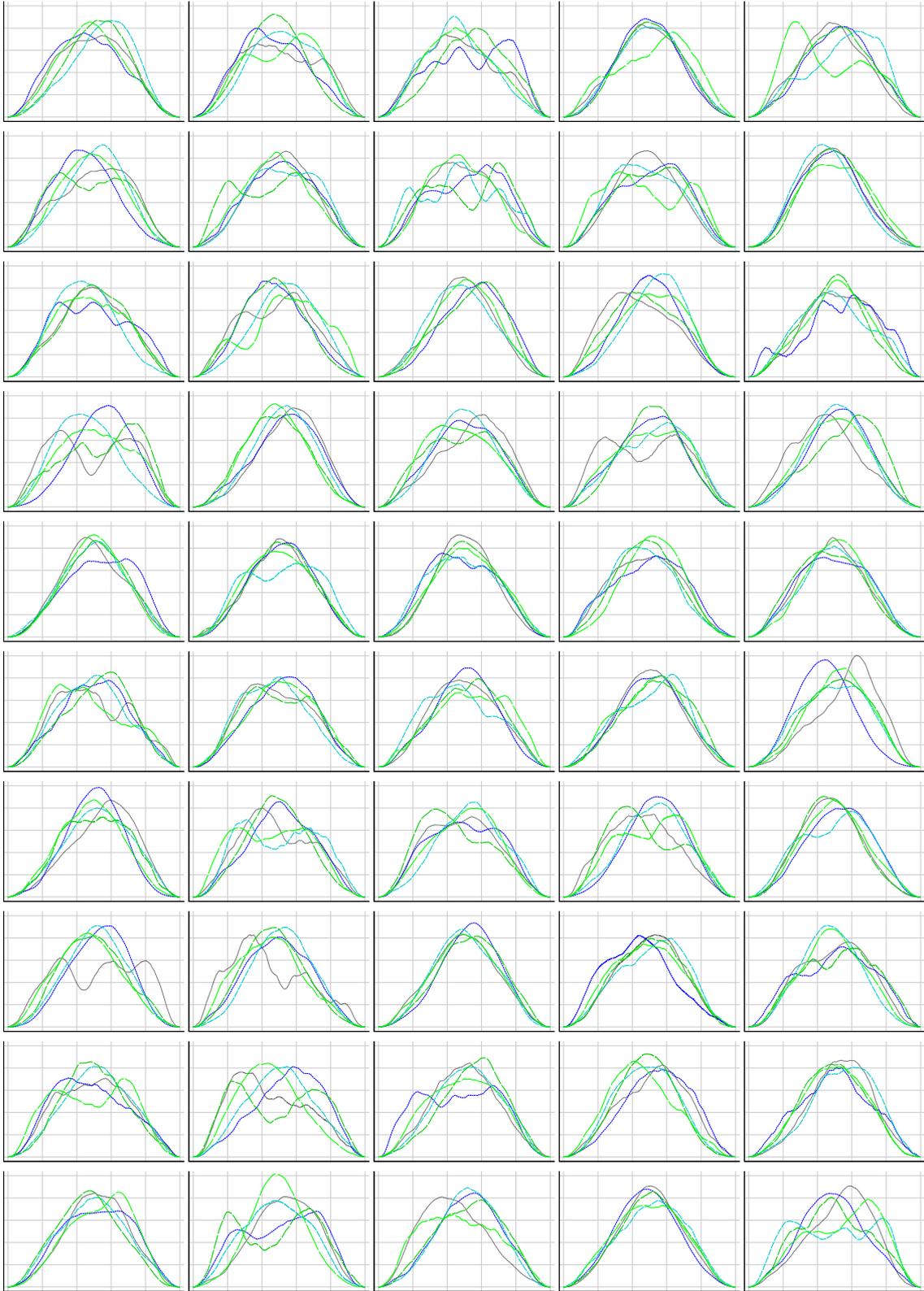


Figure S.2: (conti.)

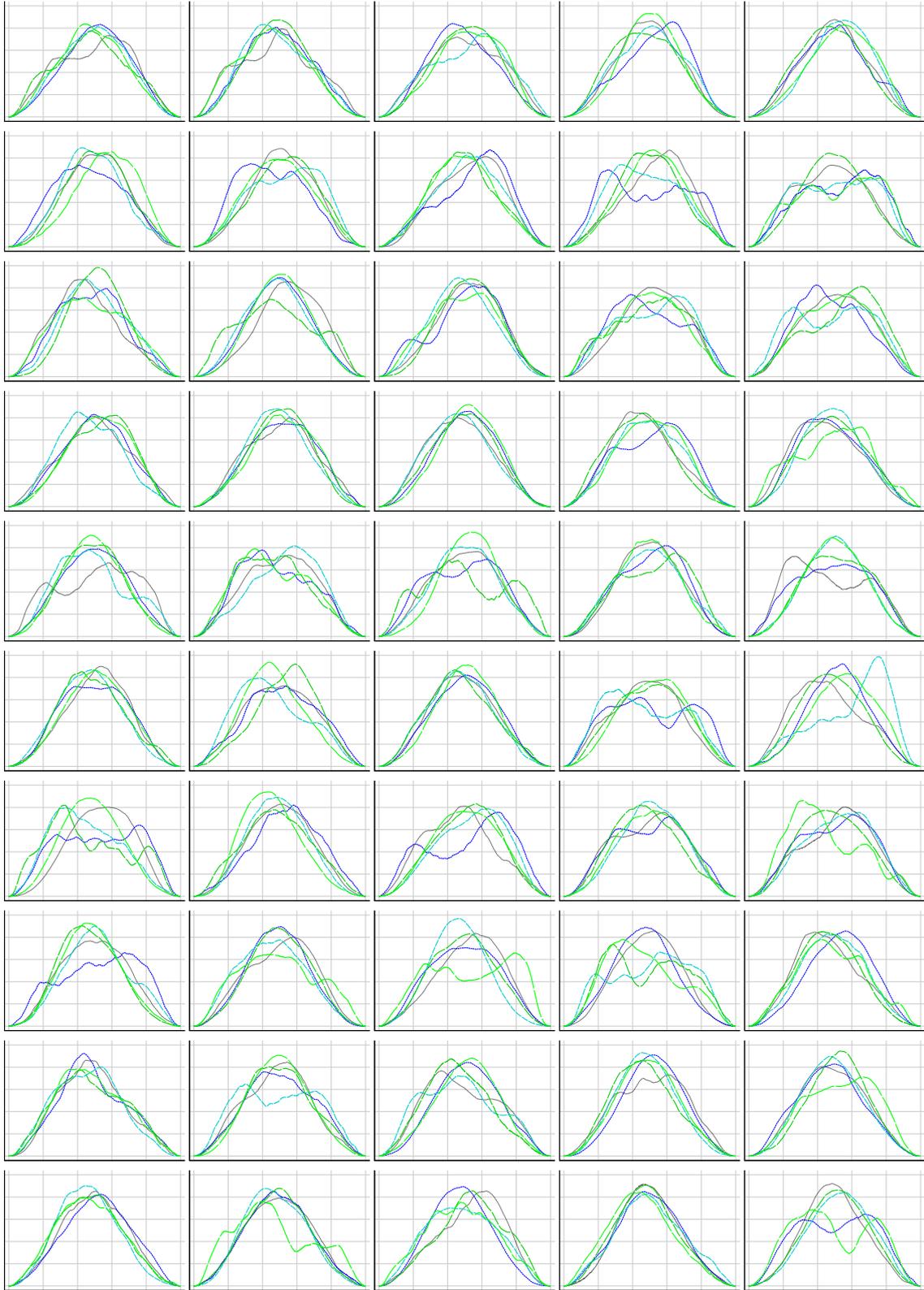


Figure S.2: (conti.)

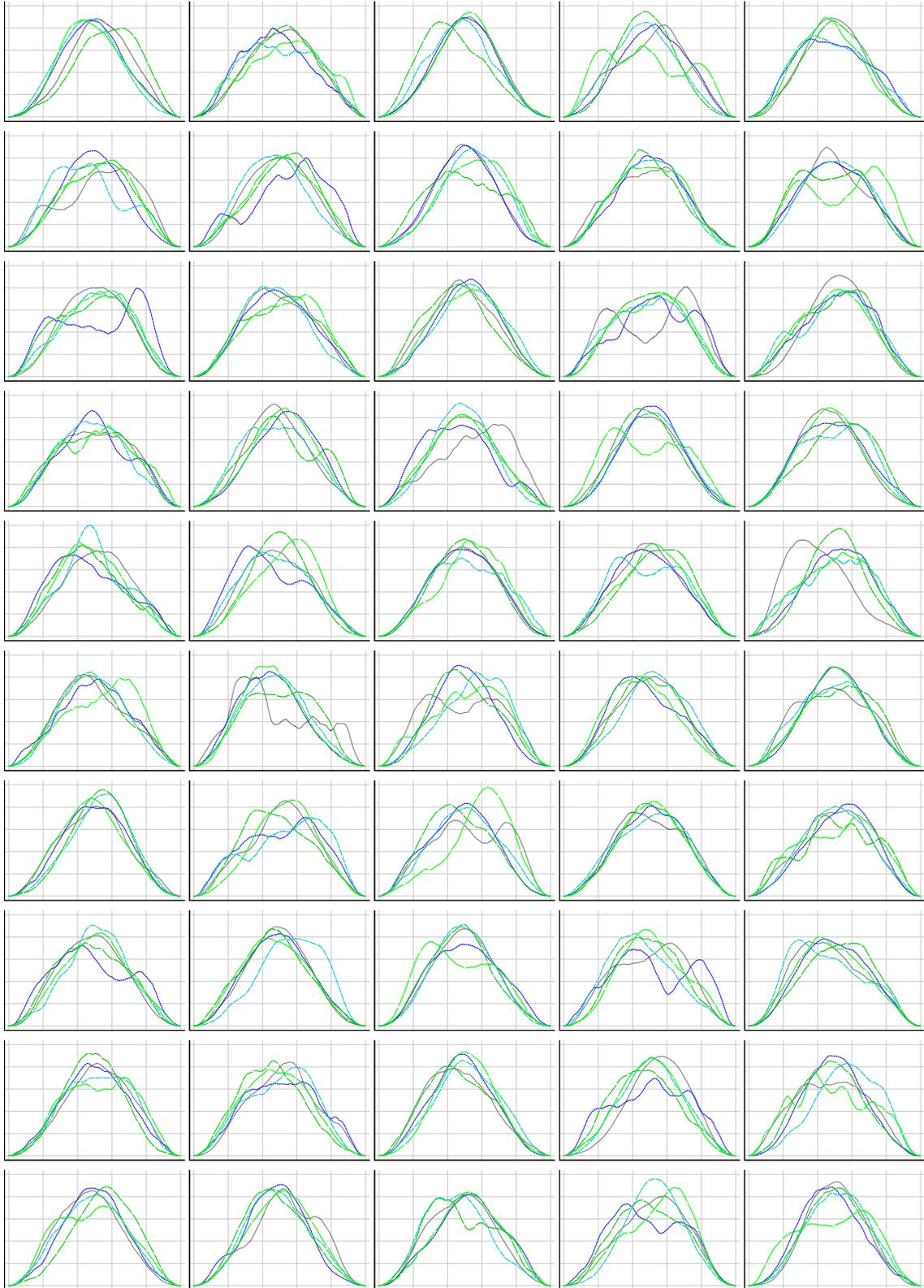


Figure S.2: (end.)