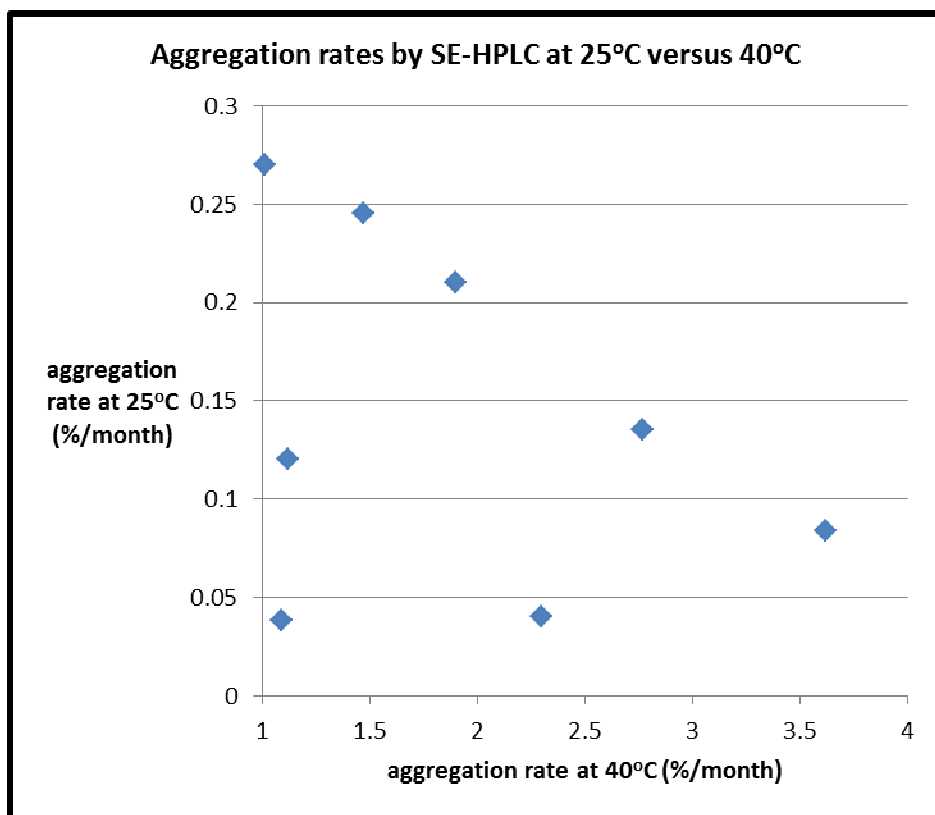
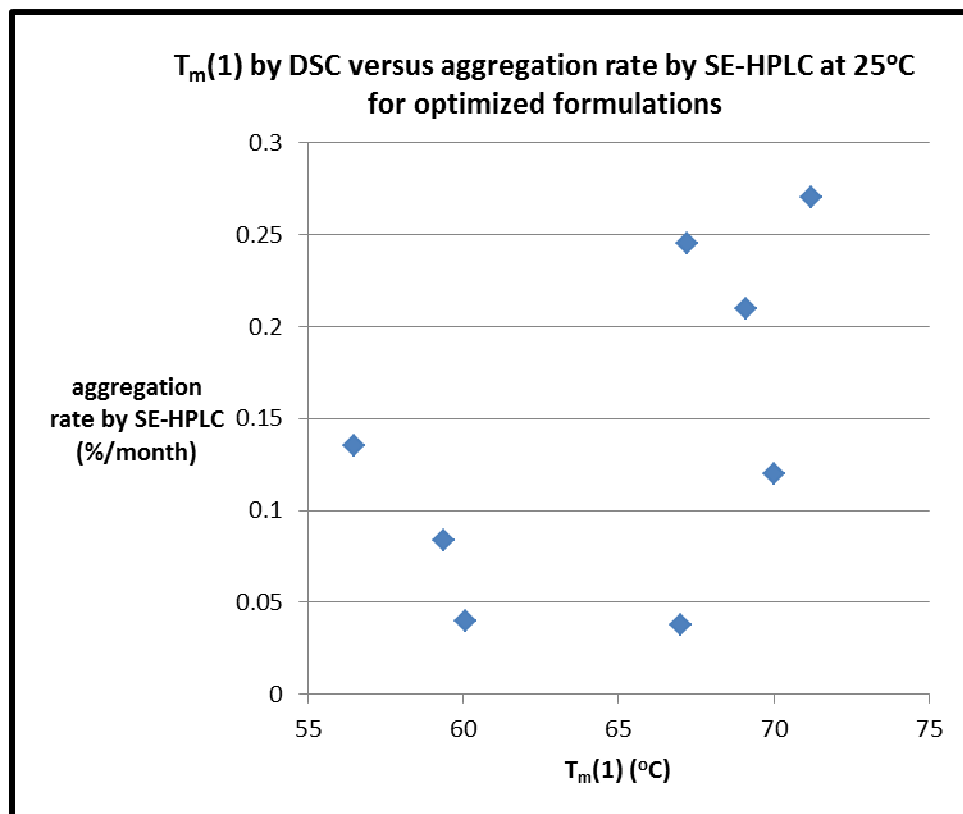


## ■ SUPPLEMENTARY MATERIAL

**Figure S1** Linear aggregations rate measured by SE-HPLC at 40°C versus 25°C showing no correlation



**Figure S2** Plot of first  $T_m$  measured by DSC versus linear aggregation rate at 25°C measured by SE-HPLC showing poor correlation for optimized formulations.



**Figure S3** Plots for optimized and screening buffer conditions of first  $T_m$  measured by intrinsic fluorescence versus first  $T_m$  measured by DSC. These plots show that the unfolding transition detected by intrinsic fluorescence correlates well with that measured by DSC.

\*Note that for mAb4 the second  $T_m$  detected by fluorescence is used in these plots, recognizing that the first transition clearly did not correspond to an unfolding thermal transition (see discussion).

