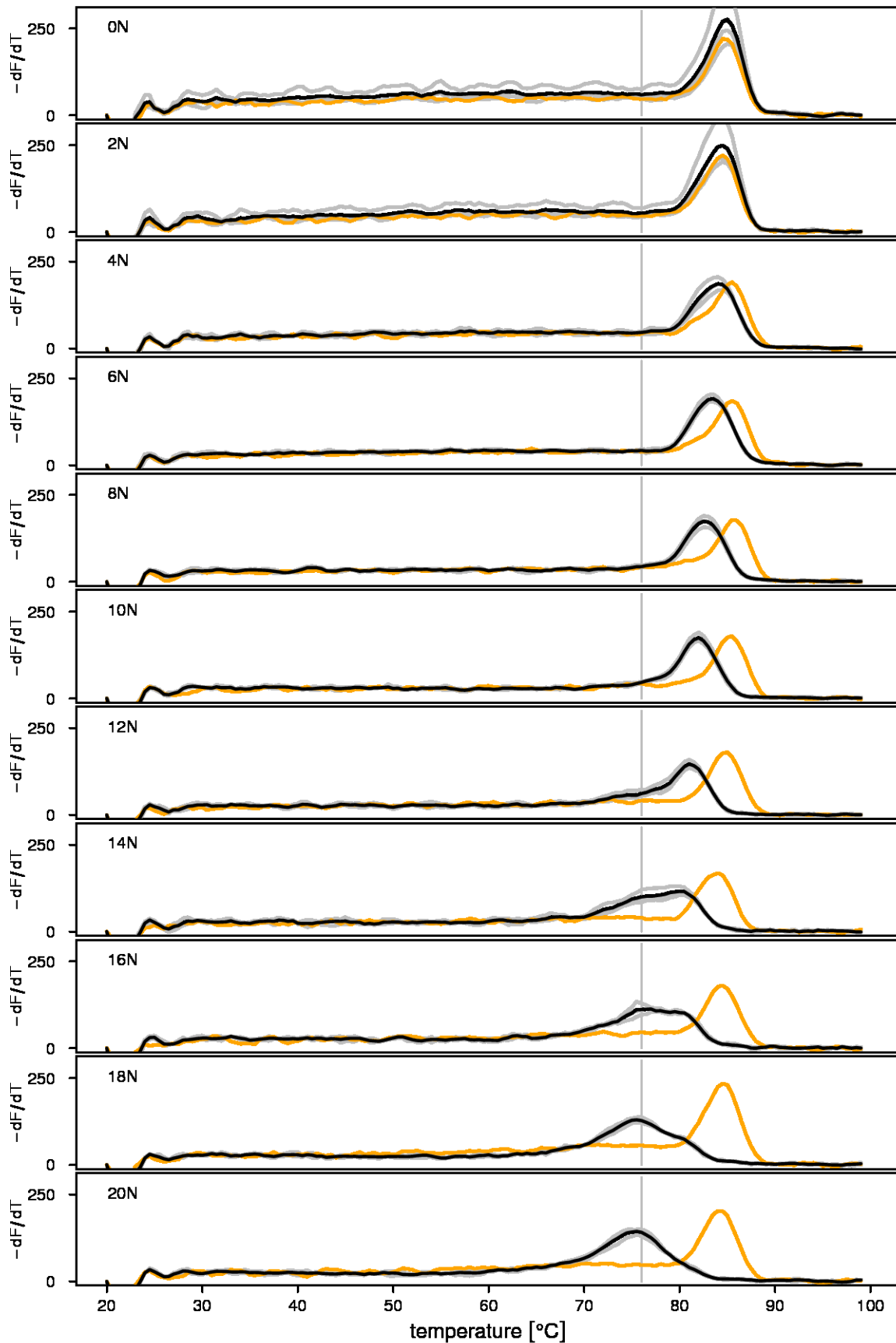
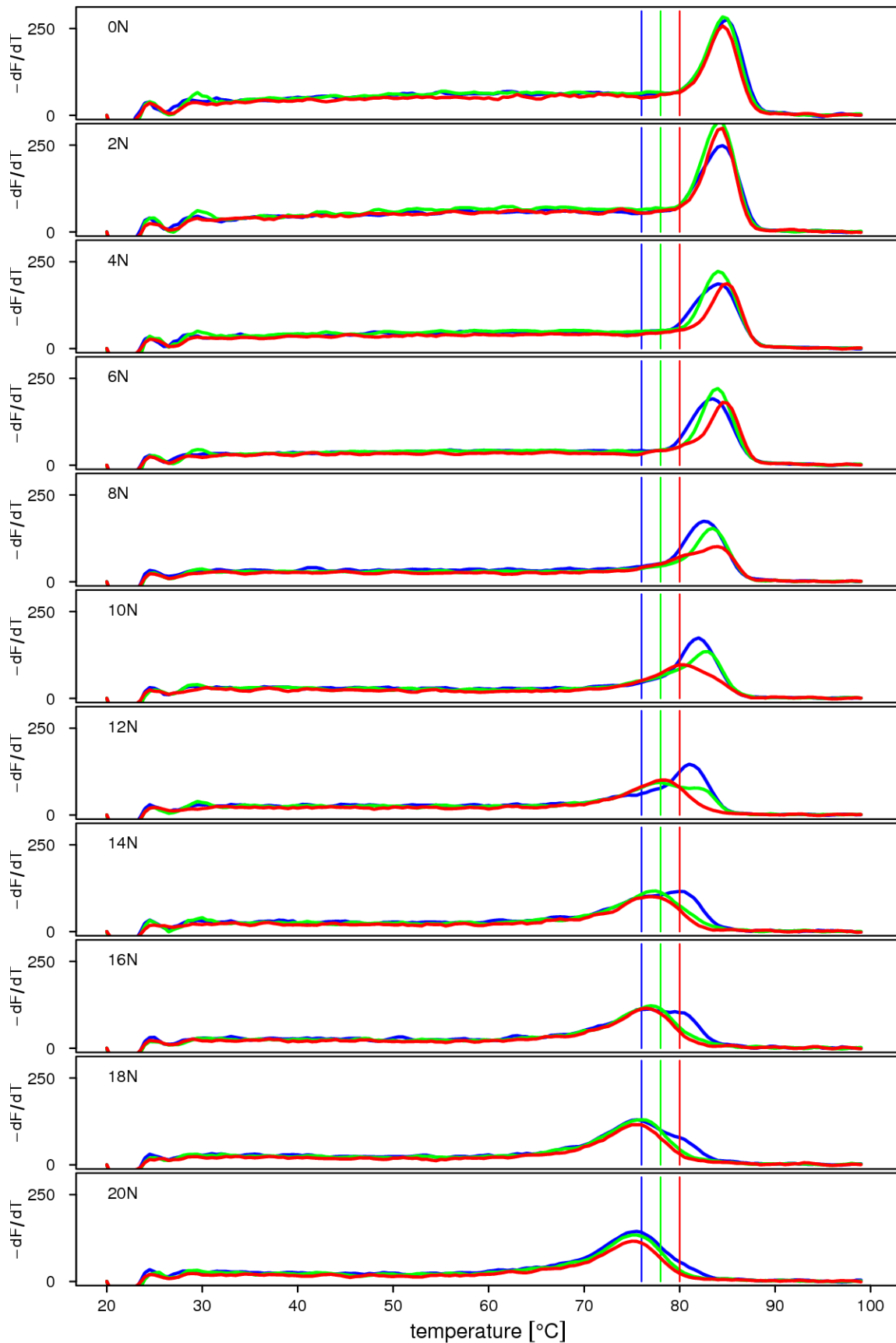


Supplement figure 1: Reannealing kinetics of triplicate samples for varying diversities (0-22N) at 76°C. Black curve corresponds to mean values.



Supplement figure 2: Remelting kinetics of triplicate samples for varying diversities (0-22N). Black curve corresponds to the mean values and orange curve denotes the corresponding unmelted sample. Grey line indicates initial annealing temperature.



Supplement figure 3: Comparison of different annealing temperatures in the remelting assay for different diversities (0-22N). 76°C, blue; 78°C, green; 80°C, red. Vertical lines indicate the respective annealing temperatures.