

Assessment of activation energy of enthalpy relaxation in sucrose-water system: effects of DSC cycle type and sample thermal history

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Supplementary Information

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Moynihan plot, experimental data ER sample 16 mass %water

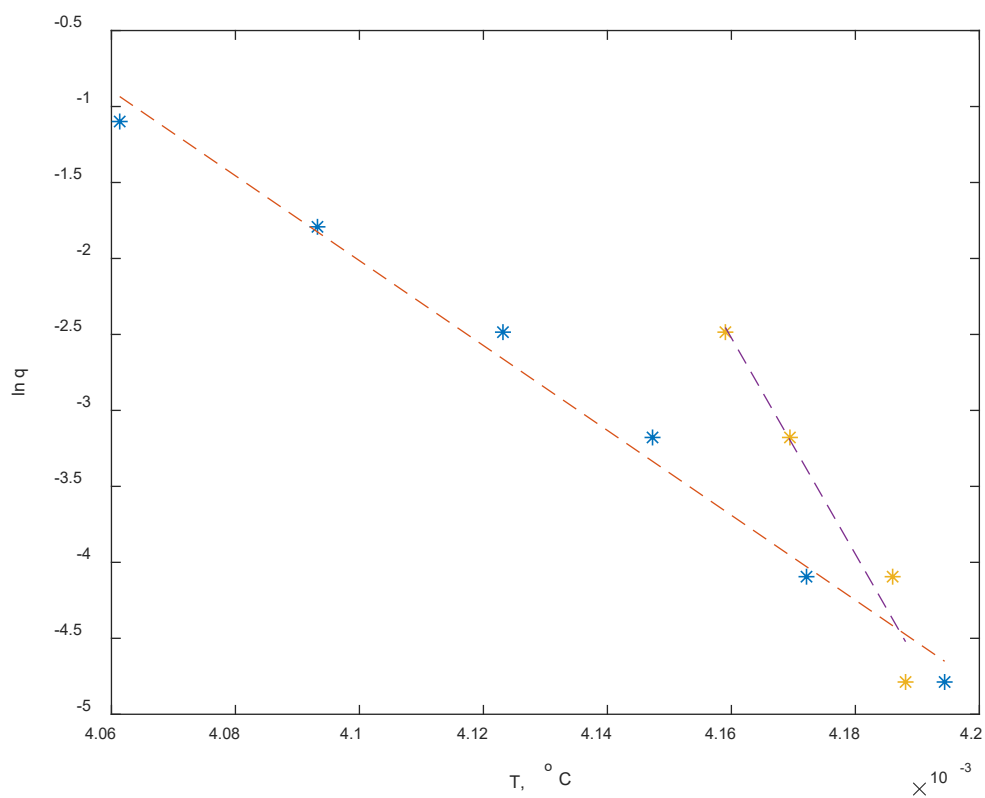


Figure S1. Cooling data (yellow stars and purple dash line) and heating data (blue stars and orange dash line)

TNM model: generated data, CCR

$E_a = 220 \text{ kJ/mol}$, $\beta = 0.5$, $x = 0.7$

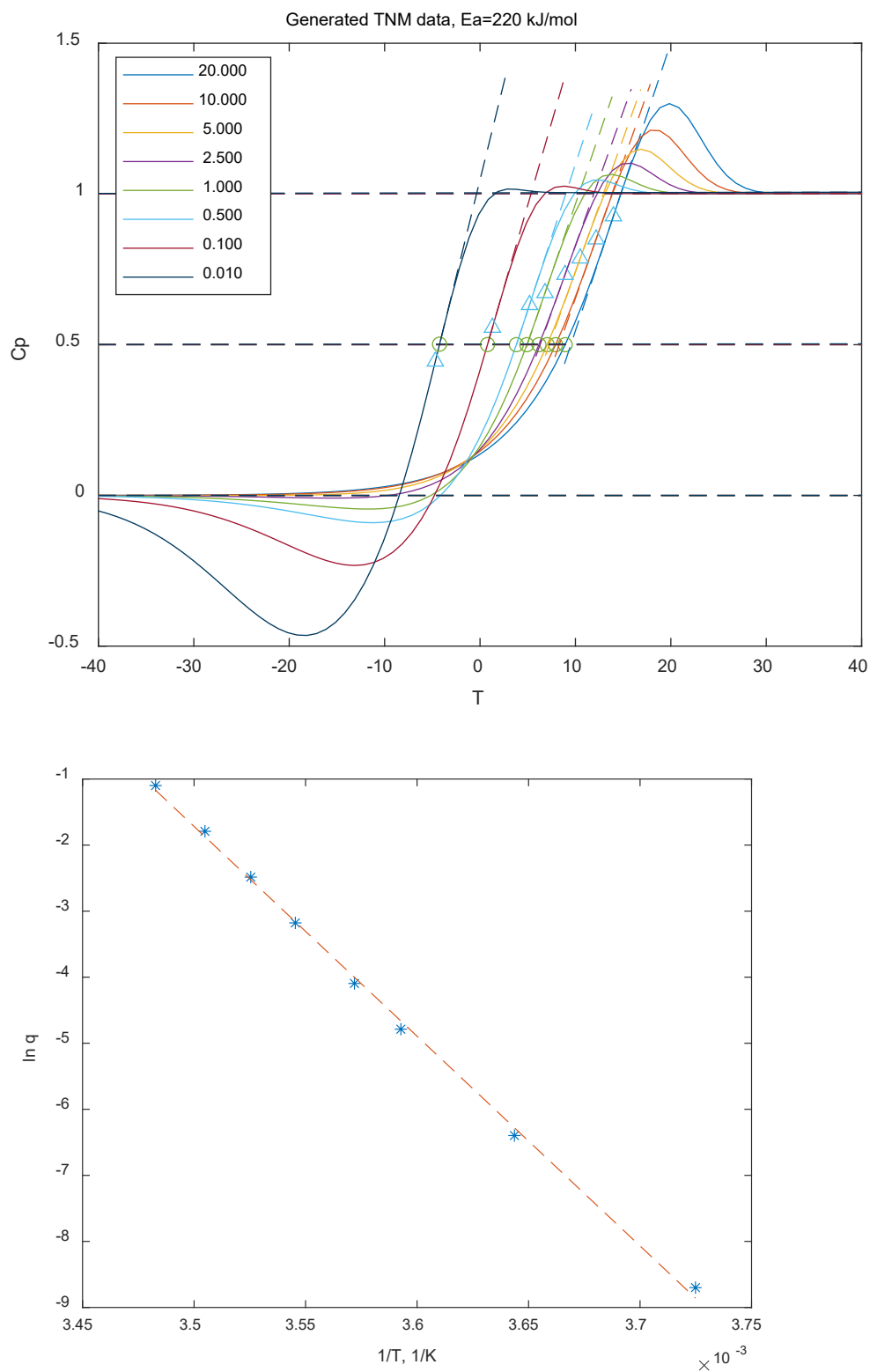


Figure S2. Calculated $E_a = 264.0087 \text{ kJ/mol}$ (for inflection point)

TNM model: generated data, CCR

$E_a = 220 \text{ kJ/mol}$, $\beta = 0.5$, $x = 0.7$

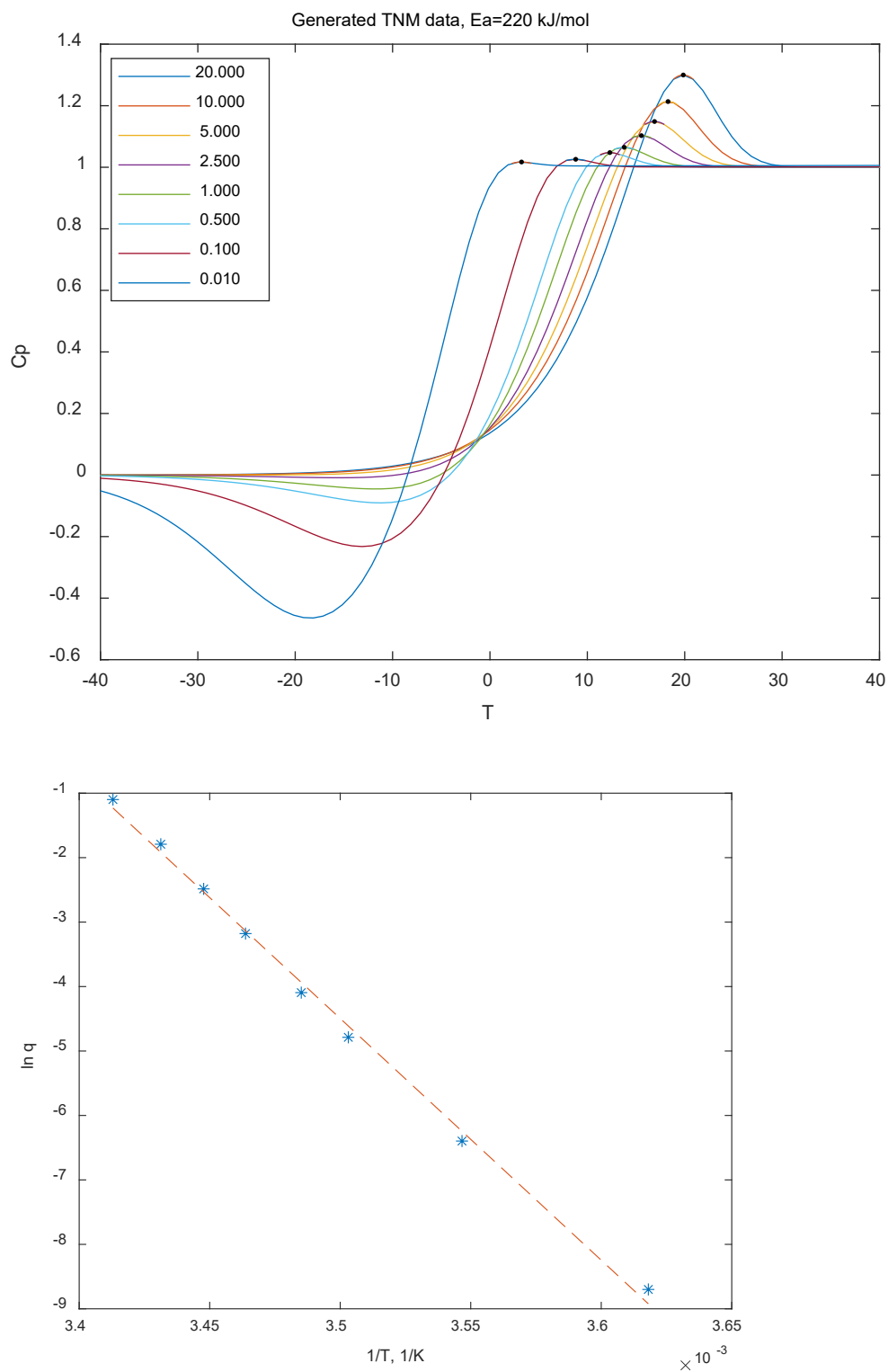


Figure S3. Calculated $E_a = 311.8196 \text{ kJ/mol}$ (from peak positions)

TNM model: generated data, ER

$E_a = 220 \text{ kJ/mol}$, $\beta = 0.5$, $x = 0.7$

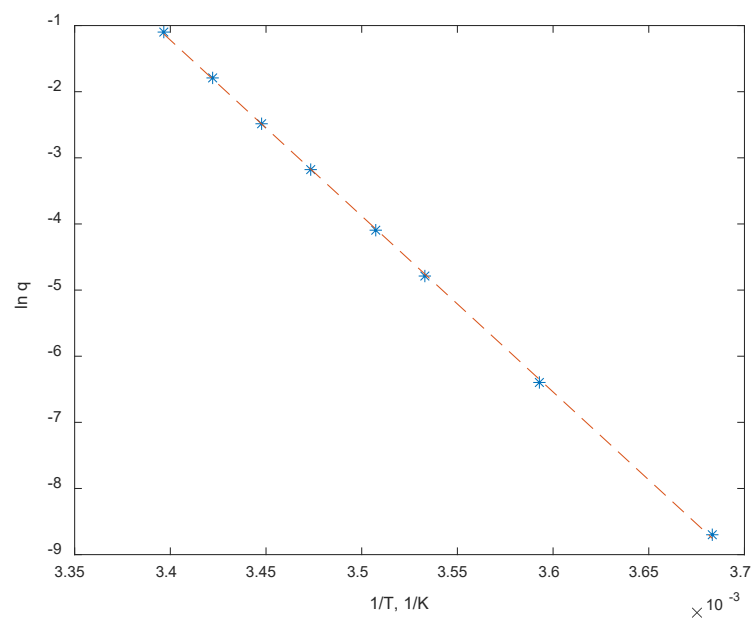
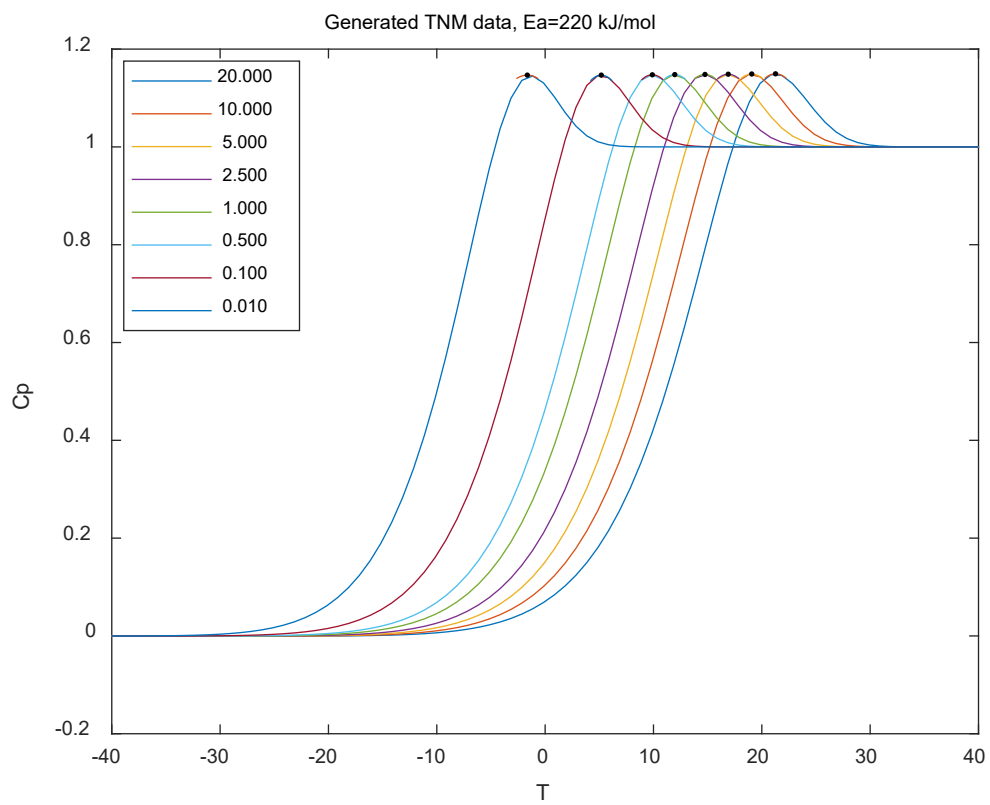


Figure S4. Calculated $E_a = 221.1808 \text{ kJ/mol}$ (from peak positions)

TNM model: generated data, ER

$E_a = 220 \text{ kJ/mol}$, $\beta = 0.5$, $x = 0.7$

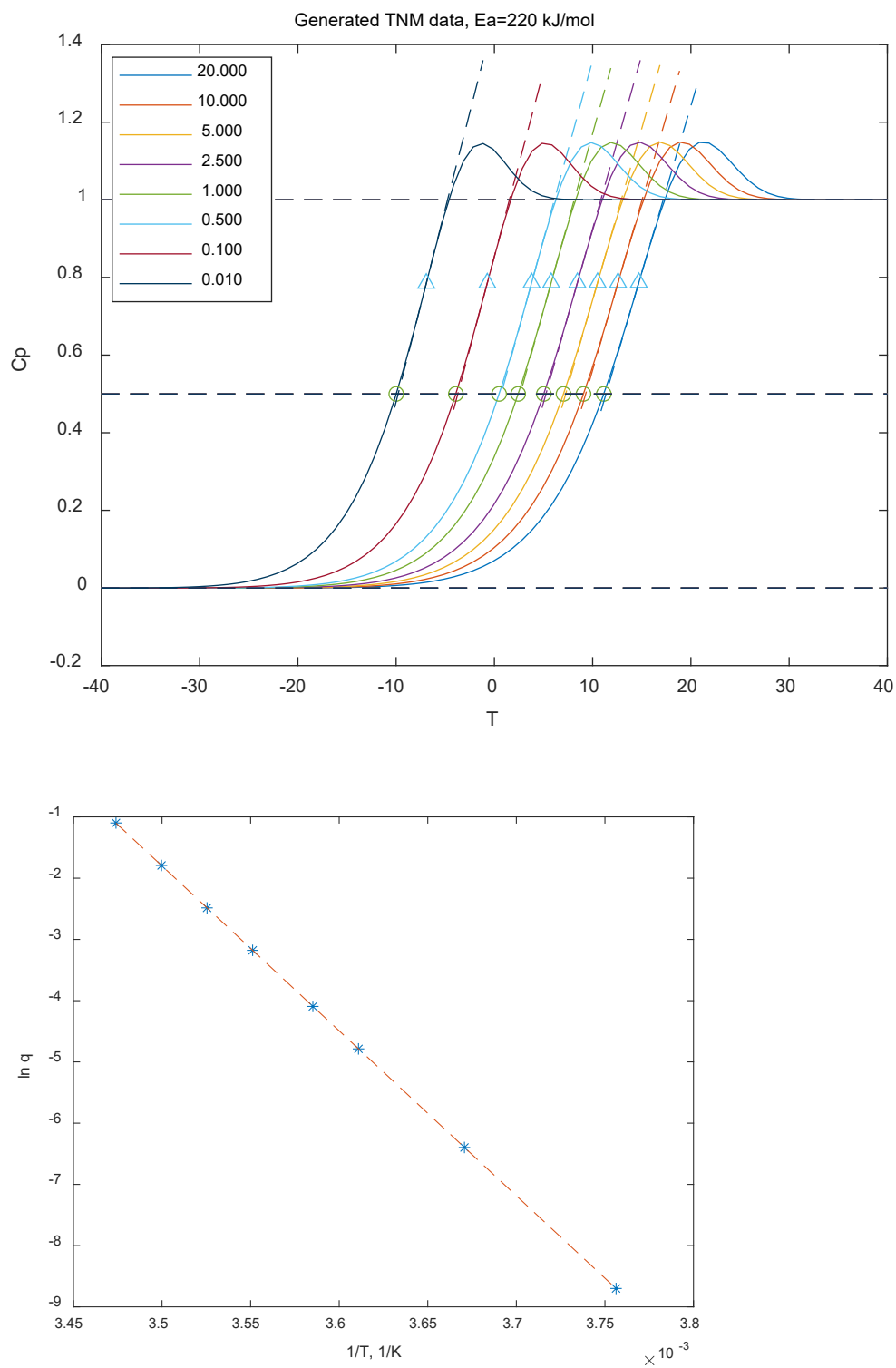


Figure S5. Calculated $E_a = 223.8841 \text{ kJ/mol}$ (from inflection point)

TNM model: generated data, ER

$E_a = 220 \text{ kJ/mol}$, $\beta = 0.5$, $x = 0.7$

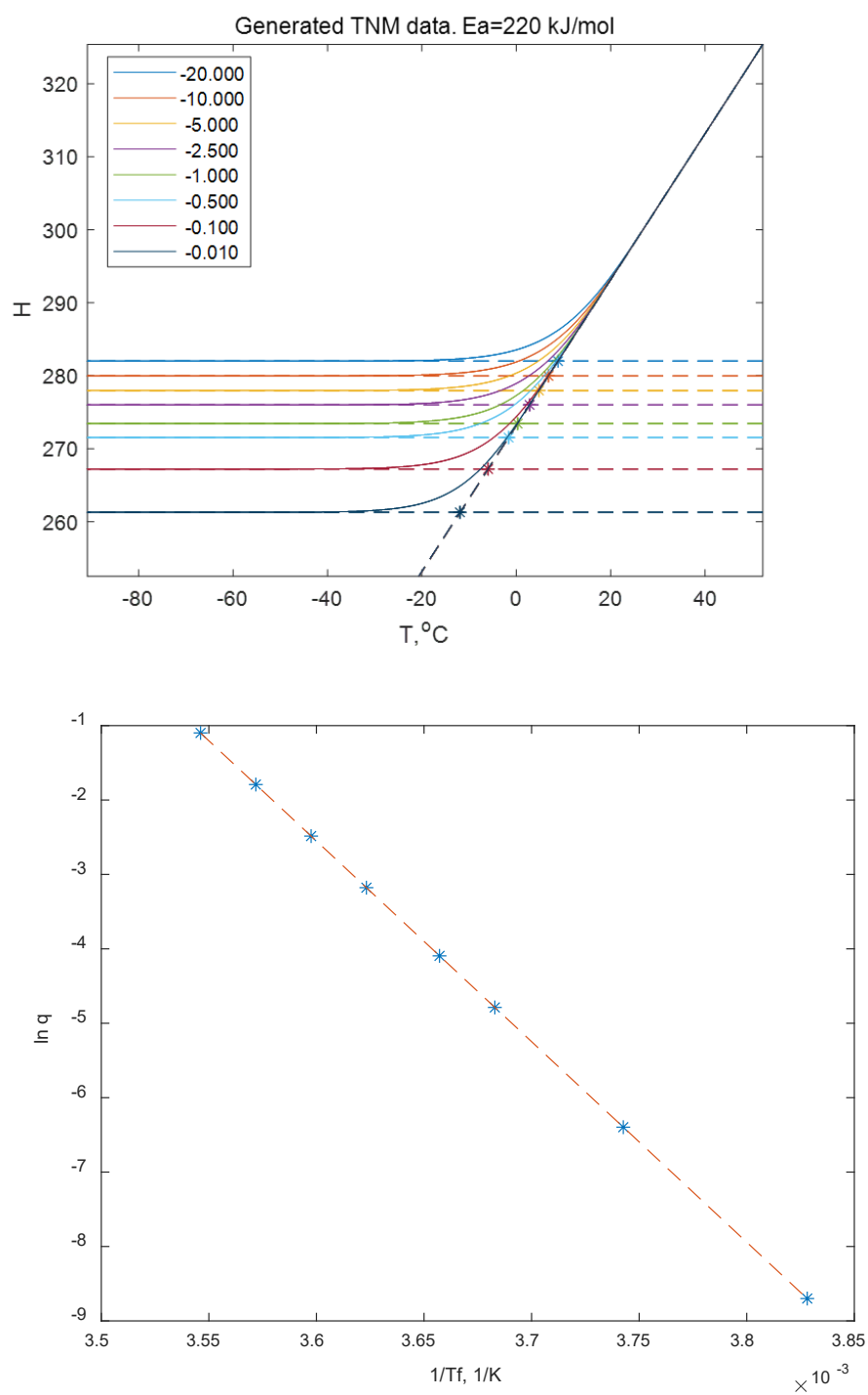


Figure S6. Calculated $E_a = 224.1 \text{ kJ/mol}$ (from fictive temperatures)