

Supporting information of

# Relationship between Activation Energy and Pre-exponential Factor Normalized by Number of Brønsted Acid Sites in Cracking of Short Chain Alkanes on Zeolites

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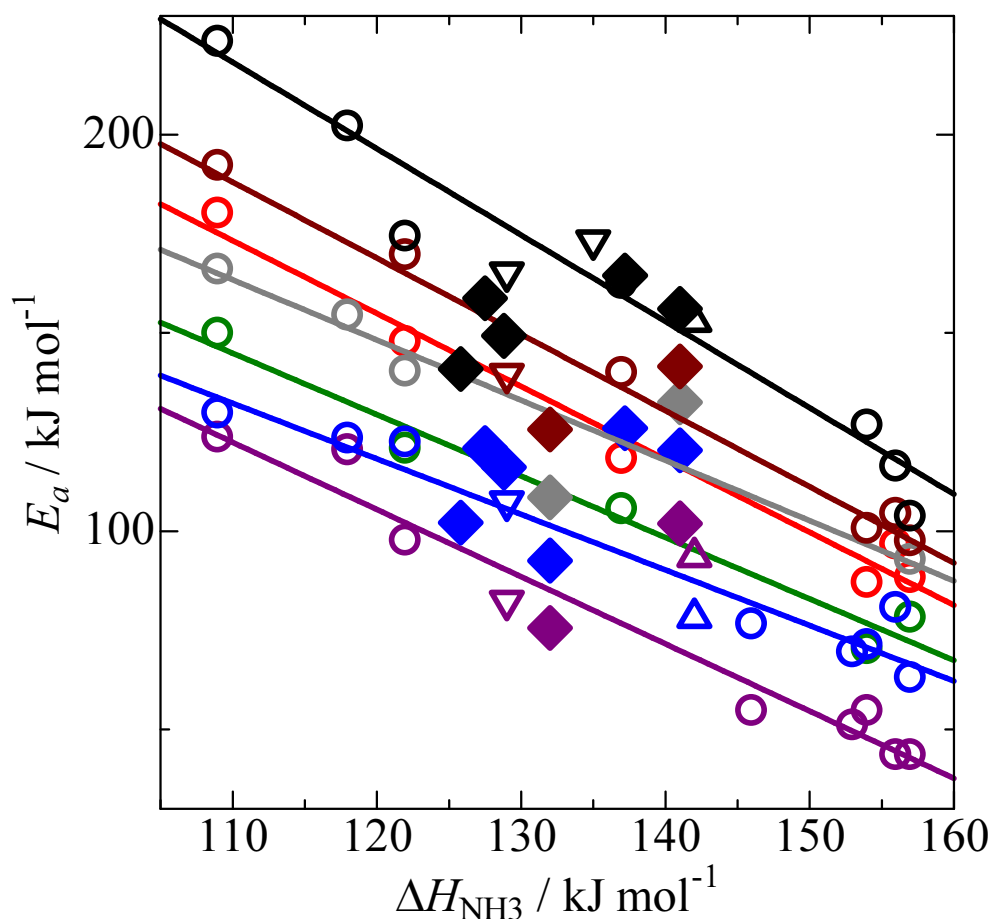


Figure S1. Plots of  $E_a$  of the reactions of nC3 (black), iC4 (red), nC4 (brown), iC5 (green), nC5 (grey), nC6 (blue) and nC8 (purple) over FAU (○), BEA (▽), MFI (◆) and MOR (△) zeolites against enthalpy of ammonia desorption.