Supporting Information

Development of post-synthetic method for tuning Al content of OSDA-free Beta as catalyst for conversion of methanol to olefins

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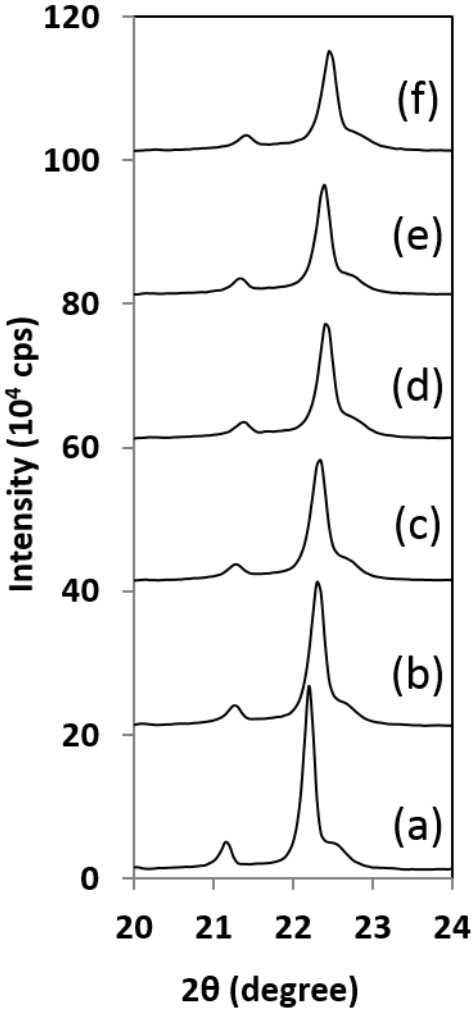

Fig. S1 XRD patterns around 22 º of calcined Beta(OF) zeolites.
(a) Beta(OF)-NH4, (b) Cal650-5h, (c) Cal700-5h, (d) Cal750-5h, (e) Cal750-15h, and (f) Cal800-24h.

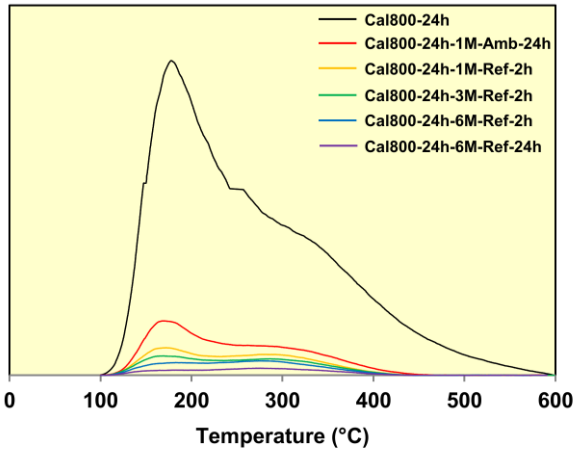

Fig. S2 NH_3-TPD profiles of Cal800-24h and its acid-treated catalysts.

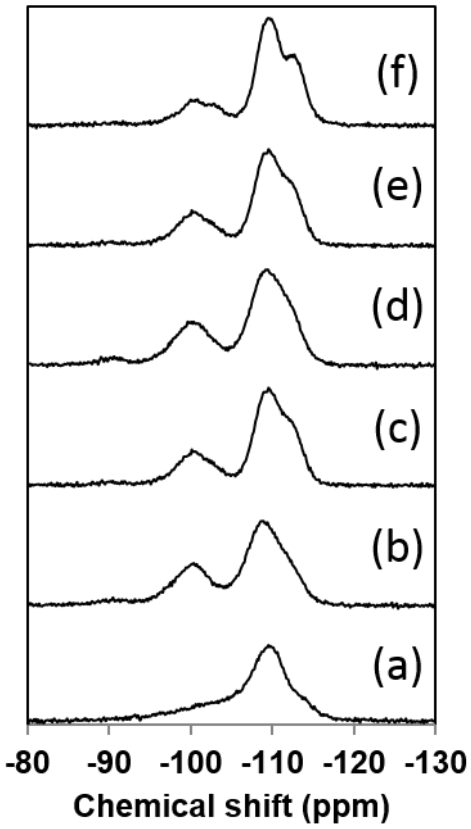

Fig. S3 ^{29}Si MAS NMR spectra of acid-treated Cal800-24h.
(a) Cal800-24h, (b) Cal800-24h-1M-Amb-24h, (c) Cal800-24h-1M-Ref-2h, (d) Cal800-24h-3M-Ref-2h, (e) Cal800-24h-6M-Ref-2h, and (f) Cal800-24h-6M-Ref-24h.