Supplementary Information for

## Curcumin induces the structural change and reduces the growth of Amyloid- $\beta$ fibril: a QCM-D study

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Fig. S1 QCM-D measurements probing the nonspecific adsorption of  $A\beta$  monomer. The crystal surface blocked by ethanolamine were exposed to 7 (black line), 10 (red line), 15 (blue line) and 20 (pink line)  $\mu$ M monomer. Results are representative of three independent experiments.



Fig. S2 Continuous growth of immobilized A $\beta$  fibril by monomer addition. Immobilized A $\beta$  fibril were allowed to contact with sequential injection of 20  $\mu$ M monomer for three times. Results are representative of three independent experiments.



Fig. S3 Endpoint  $\Delta D/\Delta F$  values of adsorbing process and rinsing with PBS.