



**Figure S1** Validation of NLRP3 knockout in microglia from APP/PS1/NLRP3MKO mice. (A) Microglia in the brain digests from 3 experimental mouse strains prepared by a 30-minutes' treatment with 0.25% trypsin were isolated based on their expression of Tmem119. (B) ELISA was used to examine for NLRP3 levels, which confirmed the knockdown of NLRP3 specifically in APP/PS1/NLRP3MKO mice. \*,  $P < 0.05$ . NS, non-significant.