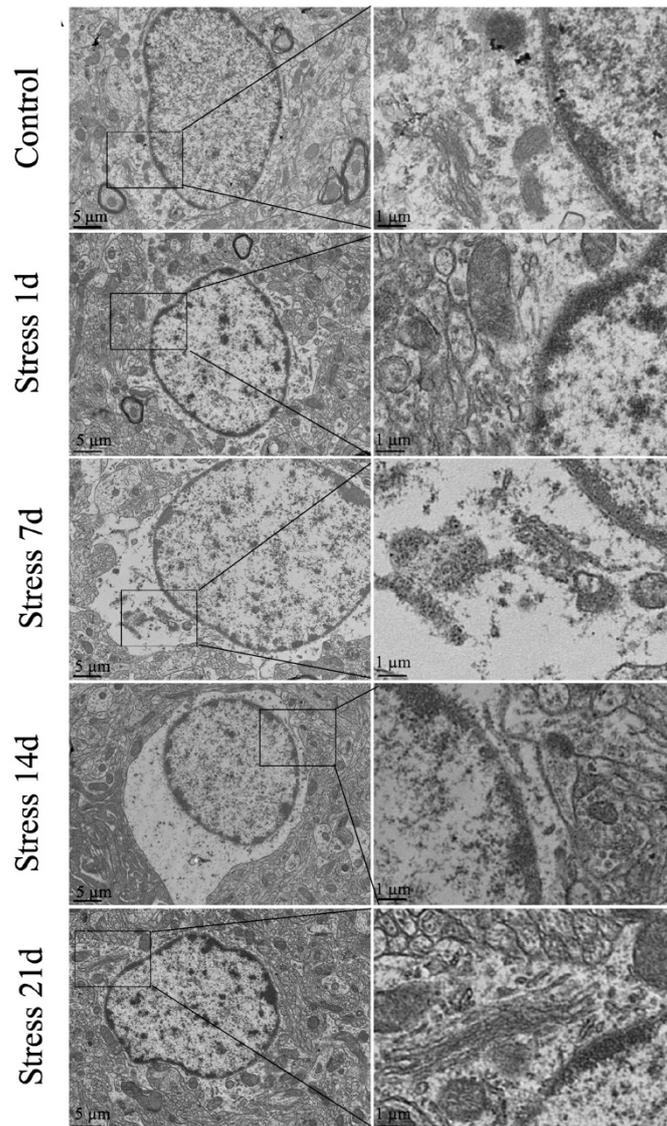


## *Supplementary Material*

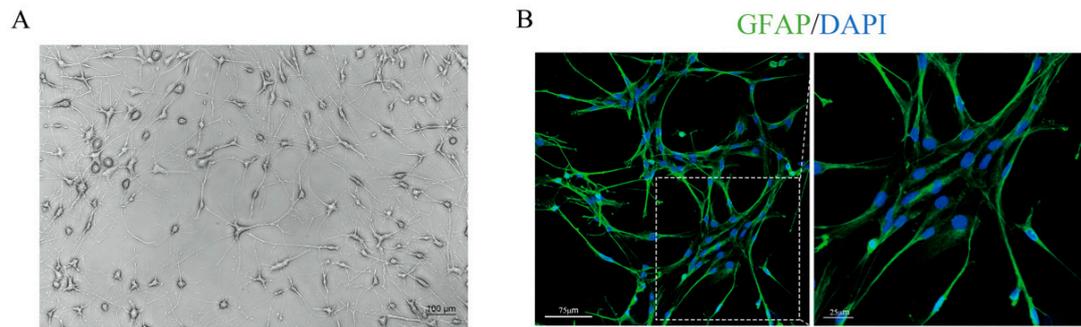
### 1 Supplementary Figures

#### 1.1 Supplementary Figure S1



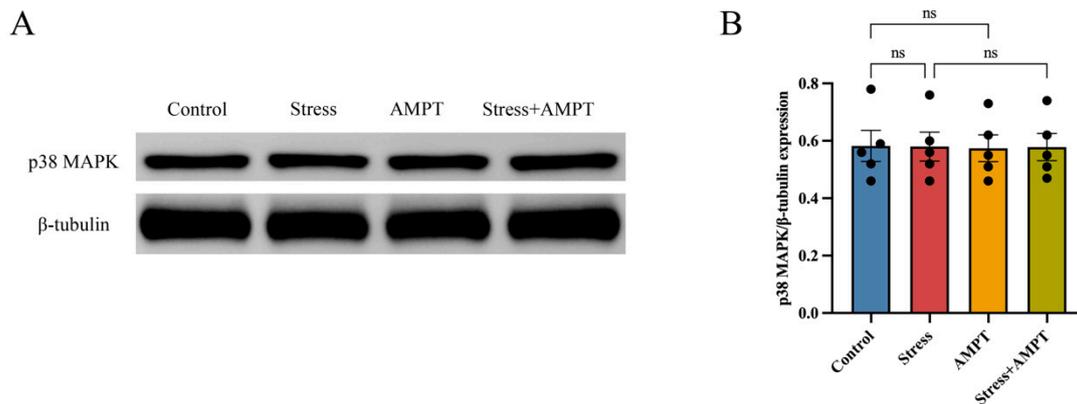
**Supplementary Figure S1.** Representative BLA neuron transmission electron microscopy images of rats under different stress durations (n = 5 per group). Scale bar from left to right: 5 μm; 1 μm. BLA: basolateral amygdala.

## 1.2 Supplementary Figure S2



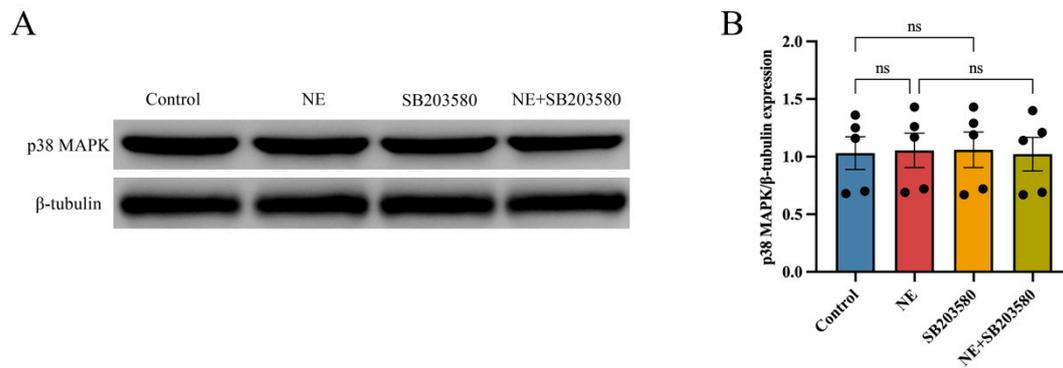
**Supplementary Figure S2.** Rat amygdala astrocyte culture and identification: (A) Morphological characteristics of rat amygdala astrocytes. Scale bar: 100  $\mu\text{m}$ ; and (B) Representative immunofluorescent images of GFAP (green) and DAPI (blue) in the cultured astrocytes. Scale bar from left to right: 75  $\mu\text{m}$ ; 25  $\mu\text{m}$ . GFAP: glial fibrillary acidic protein.

### 1.3 Supplementary Figure S3



**Supplementary Figure S3.** Expression of p38 MAPK protein levels in stressed rat BLA: (A) The expression of p38 MAPK detected by Western blot; and (B) Results expressed as grayscale ratio of p38 MAPK to  $\beta$ -tubulin ( $n = 5$  per group). Data presented as mean  $\pm$  SEM. ns, no significance. p38 MAPK: p38 mitogen-activated protein kinase; AMPT: alpha-methyl-p-tyrosine; BLA: basolateral amygdala.

## 1.4 Supplementary Figure S4



**Supplementary Figure S4.** Expression of p38 MAPK protein levels in cultured astrocytes: (A) The expression of p38 MAPK was detected by Western blot; and (B) Results expressed as grayscale ratio of p38 MAPK to  $\beta$ -tubulin (n = 5 per group). Data presented as mean  $\pm$  SEM. ns, no significance. p38 MAPK: p38 mitogen-activated protein kinase; NE: norepinephrine.