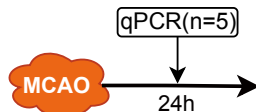


Experiment 1 Verification of six lncRNAs related with activation of microglia

Group 1

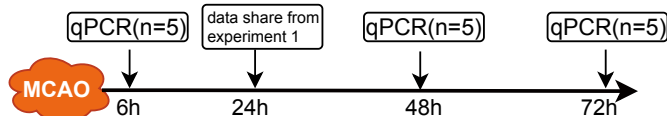
sham
MCAO



Experiment 2 Time-course of *Neat1* expression after MCAO

Group 2

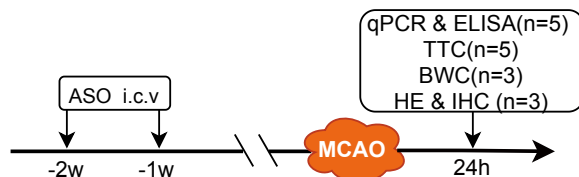
sham
MCAO



Experiment 3 *Neat1* knockdown inhibited microglia activation and reduced brain damage after MCAO

Group 3

sham
MCAO
ASO-NC
ASO-*Neat1*



Experiment 4 *Neat1* knockdown improved neurological function and reduced mortality after MCAO

Group 4

MCAO
ASO-NC
ASO-*Neat1*

