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Fig 2. Time spent in closed arm of elevated plus maze. ASD: acute sleep deprivation, BIC: bicuculline,

BIC+ASD: bicuculline+sleep deprivation, CON: control.

\*\*\*p<0.001 vs CON group, $p<0.05 vs BIC+ASD group

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Fig 3. Open arm enteries percentage (Open/toatal×100). ASD: acute sleep deprivation, BIC: bicuculline,

BIC+ASD: bicuculline+sleep deprivation, CON: control.

\*\*\*p<0.001 vs CON group, $p<0.05 vs BIC+ASD group