

**Supplementary Table 3** Chamber time and total travel distance in social interaction test of mice with acute administration of JHU-083

Group	Chamber with empty cage (s)	Chamber with Stranger1 cage (s)	Center Chamber (s)	Total travel distance (cm)
Ctr+Vehicle	172.76±16.21	327.01±16.47	100.23±6.58	2858.36±247.72
CSDS+Vehicle	251.35±31.36	256.34±32.04	92.32±5.63	2765.10±281.00
Ctr+JHU-083	194.58±12.79	307.45±5.46	97.97±11.27	3176.32±442.32
CSDS+JHU-083	207.30±24.16	303.94±24.46	88.76±8.72	2667.46±282.08

Data are presented as the mean ± SEM. Ctr + vehicle, n = 10; Ctr + JHU-083, n = 10; CSDS + vehicle, n = 11; CSDS + JHU-083, n = 11.

**Supplementary Table 4** Chamber time and total travel distance in social novelty test of mice with acute administration of JHU-083

Group	Chamber with Stranger1 cage (s)	Chamber with Stranger2 cage (s)	Center Chamber (s)	Total travel distance (cm)
Ctr+Vehicle	210.31±13.25	279.35±16.53	110.34±11.54	2975.96±301.41
CSDS+Vehicle	223.95±9.67	248.00±13.03	128.05±9.12	2819.99±418.73
Ctr+JHU-083	192.96±17.40	276.06±16.65	130.98±15.73	3698.45±606.82
CSDS+JHU-083	235.69±15.98	239.31±12.59	125.00±11.10	2481.23±142.20

Data are presented as the mean ± SEM. Ctr + vehicle, n = 10; Ctr + JHU-083, n = 10; CSDS + vehicle, n = 11; CSDS + JHU-083, n = 11.