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Role of Corticotropin Releasing Factor and Corticosterone in Behavioral Sensitization to Ethanol

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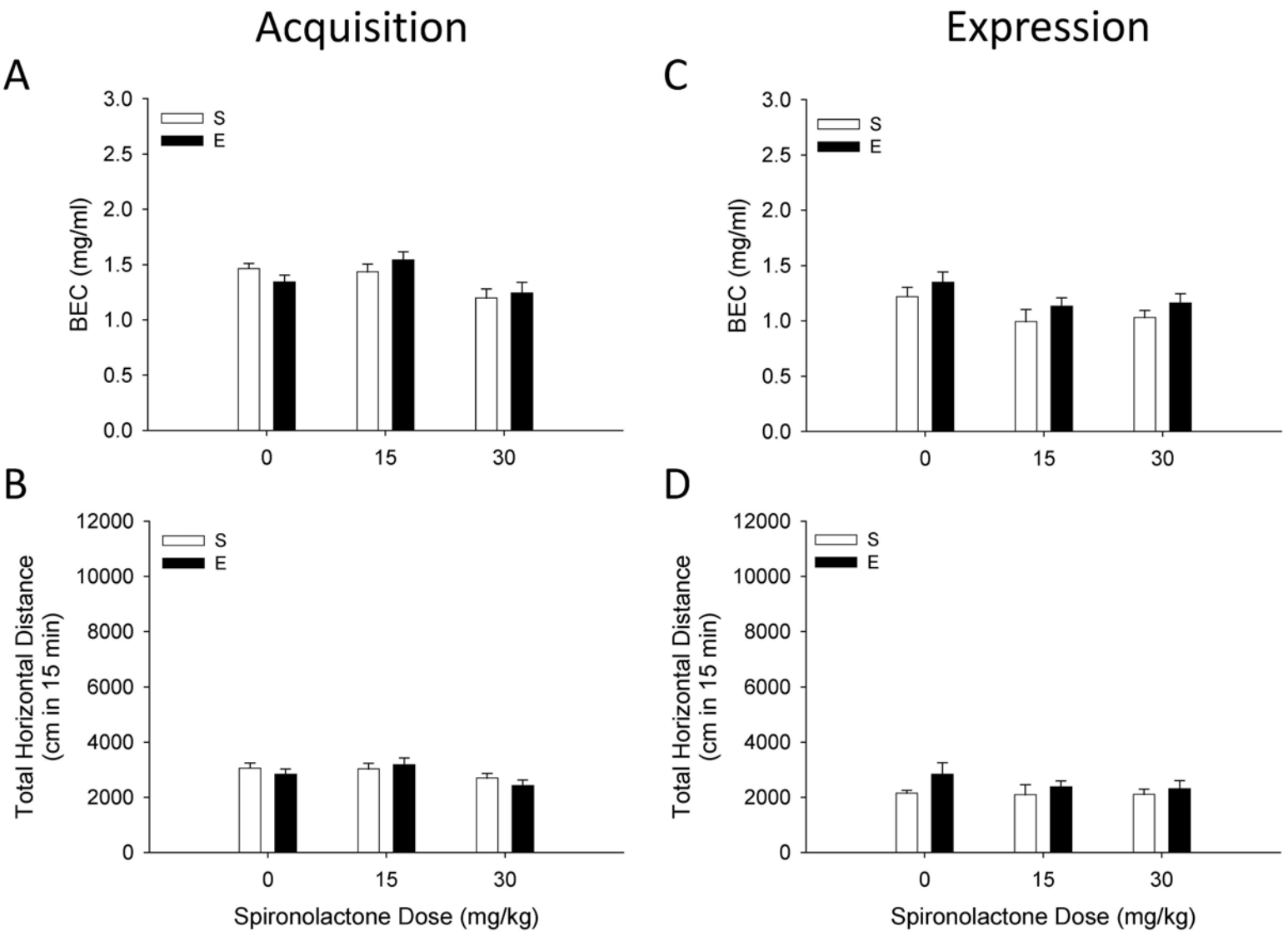

Supplementary Fig. 4. Spironolactone does not alter blood ethanol concentration (BEC) or locomotor activity after saline in DBA/2J mice. Analysis of BEC levels (mean mg/ml ± S.E.M.) from samples taken on day 11, 15-min after EtOH (E; 1.5 g/kg), for both the (A) acquisition (n = 8-13 per group) and (C) expression (n = 7-9 per group) studies showed no effect of spironolactone. For the acquisition study, animals were pretreated for 10 days with spironolactone (0, 15 or 30 mg/kg) 30 min before receiving saline (S) or 1.5 g/kg E. For the expression study, an injection of 1.5 g/kg E was given to all animals, 30 min after spironolactone (0, 15 or 30 mg/kg) treatment of animals that had received vehicle-S or vehicle-E (1.5 g/kg) during days 1-10. Locomotor activity (mean cm ± S.E.M.) tested after S on day 11 of both the (B) acquisition and (D) expression studies was found not to be affected by spironolactone.