



Figure S12. VPL^{GR} neurons form synaptic connections with $\text{S1HL}^{\text{to PAG}}$ neurons and $\text{S1HL}^{\text{to RVM}}$ neurons, related to Figure 6.

(A) Schematic diagram of the virus injection strategy.

(B) Representative images showing EGFP^+ and mCherry^+ neurons in the S1HL. Scale bar = 100 μm .

(C) Quantification of colocalization between EGFP^+ and mCherry^+ neurons. Unpaired t-test; slice n= 13-18/group. Data are expressed as the mean \pm s.e.m.