

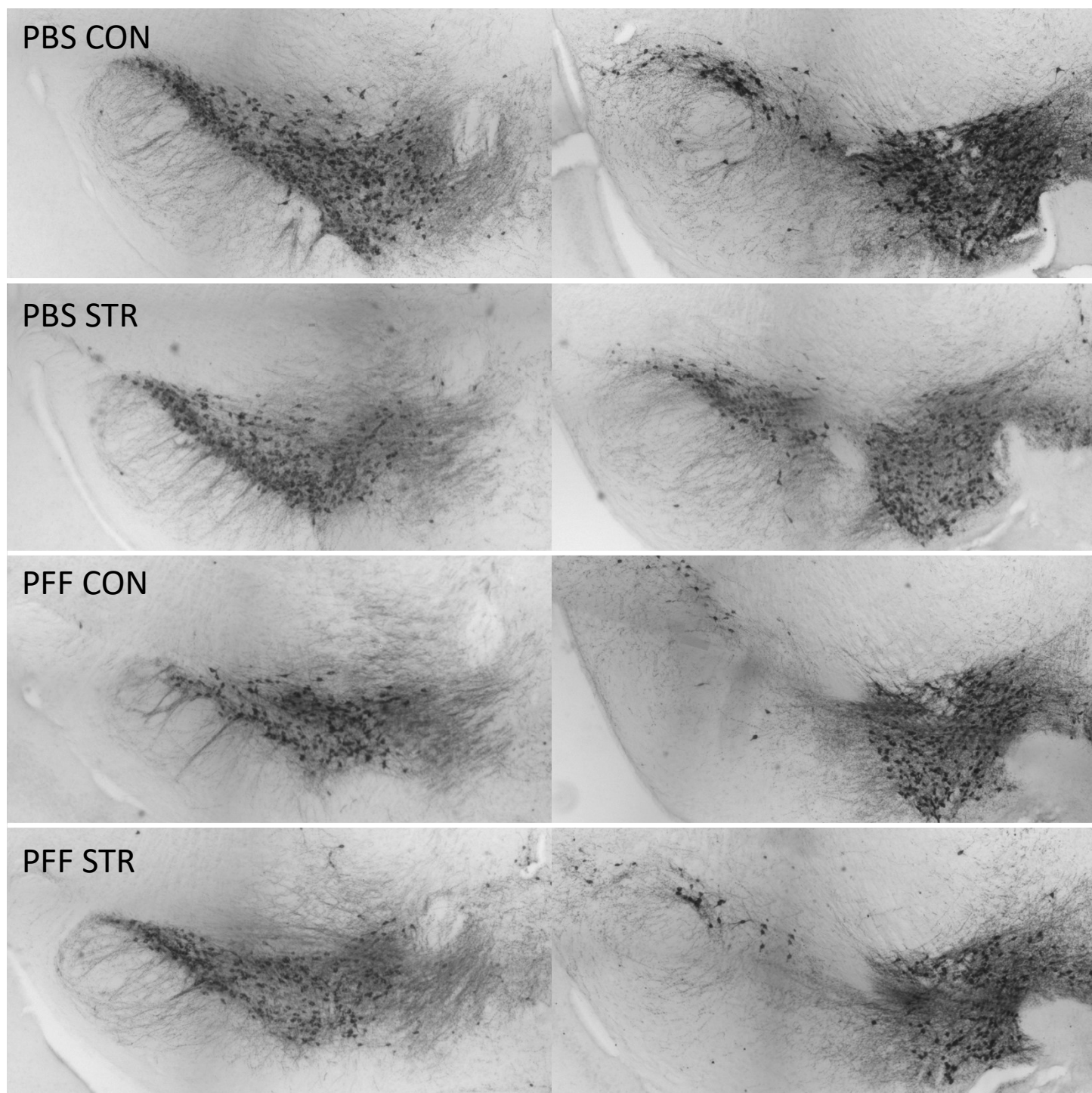


Figure S7. Additional example images of Tyrosine Hydroxylase stained sections from different areas of Substantia Nigra. PBS CON – PBS injected non-stressed animals; PBS STR – PBS injected stressed animals; PFF CON – PFF injected non-stressed animals; PFF STR – PFF injected stressed animals.

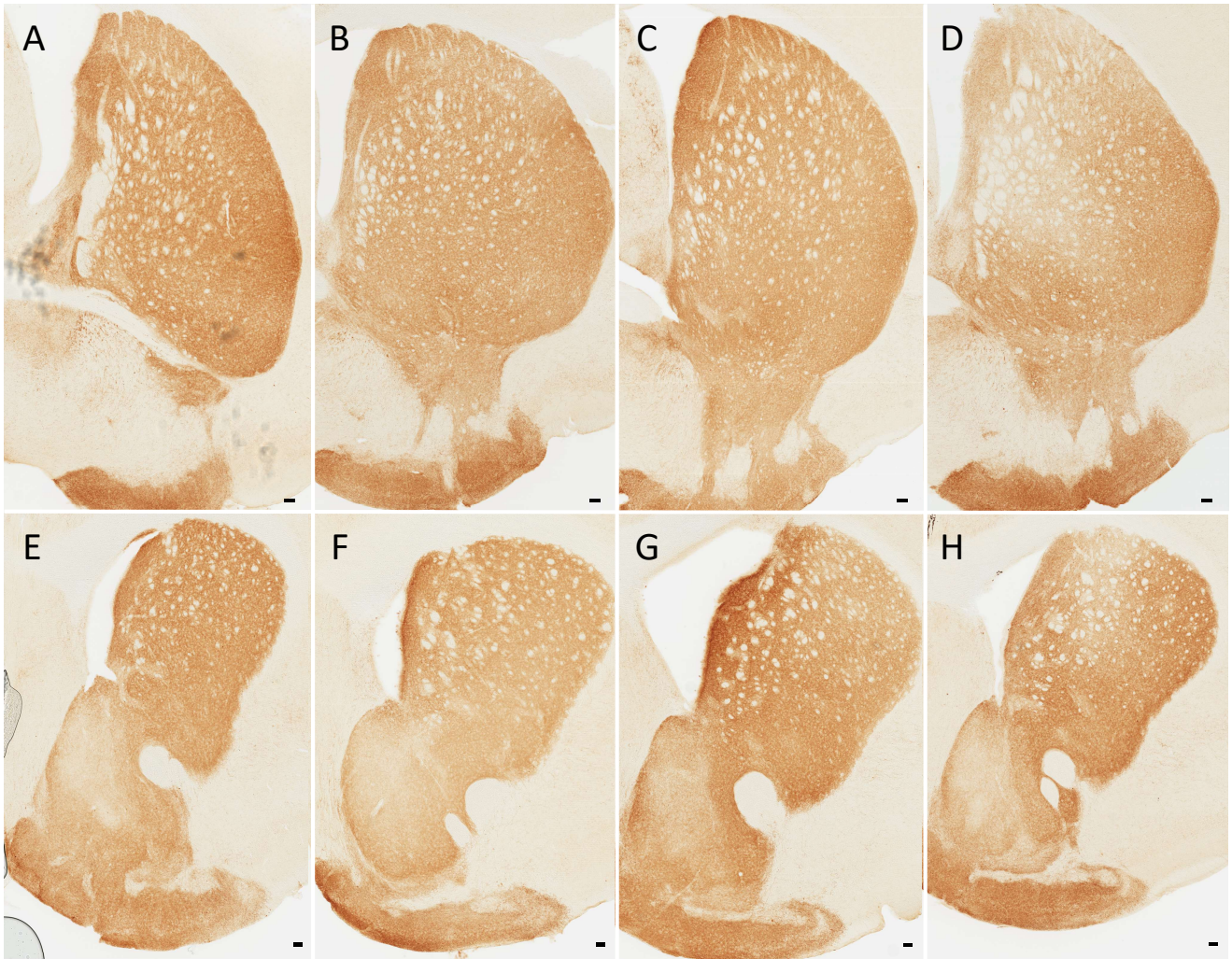


Figure S8. Additional representative images of immunohistochemical evaluation of Tyrosine Hydroxylase positive (TH+) fibers (brown) in the striatum of unstressed control (CON) or chronically stressed (STR) animals injected bilaterally either with PBS or α syn-PFFs (PFF). A-D) bregma = 0.02; E-H) bregma = 1.54 A, E) CON/PBS animals B, D) STR/PBS animals, C, G) CON/PFF animals and D, H) STR/PFF animals. Scale bars = 100µm.

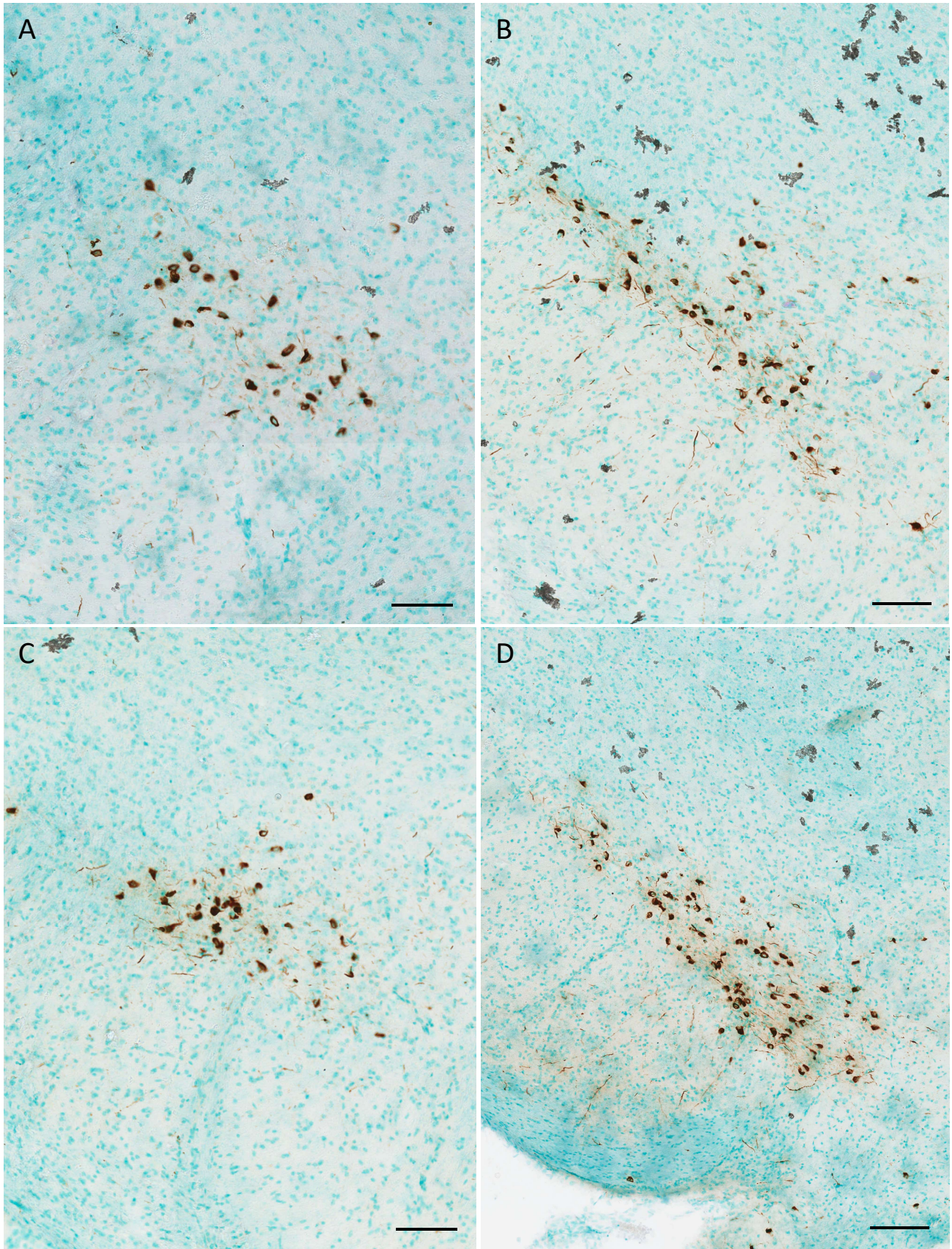


Figure S9. Additional representative images of the LB and LN (brown) inclusions in the pc-SN between non-stressed PFF injected (CON) (A, B) and stressed PFF injected (STR) (C, D) groups in the brain sections (bregma = -2.70 (A, C) and -2.80 (B, D)) stained against pS129α-syn (brown) and counterstained with methyl green (blue-green). Scale bars = 100 μm.

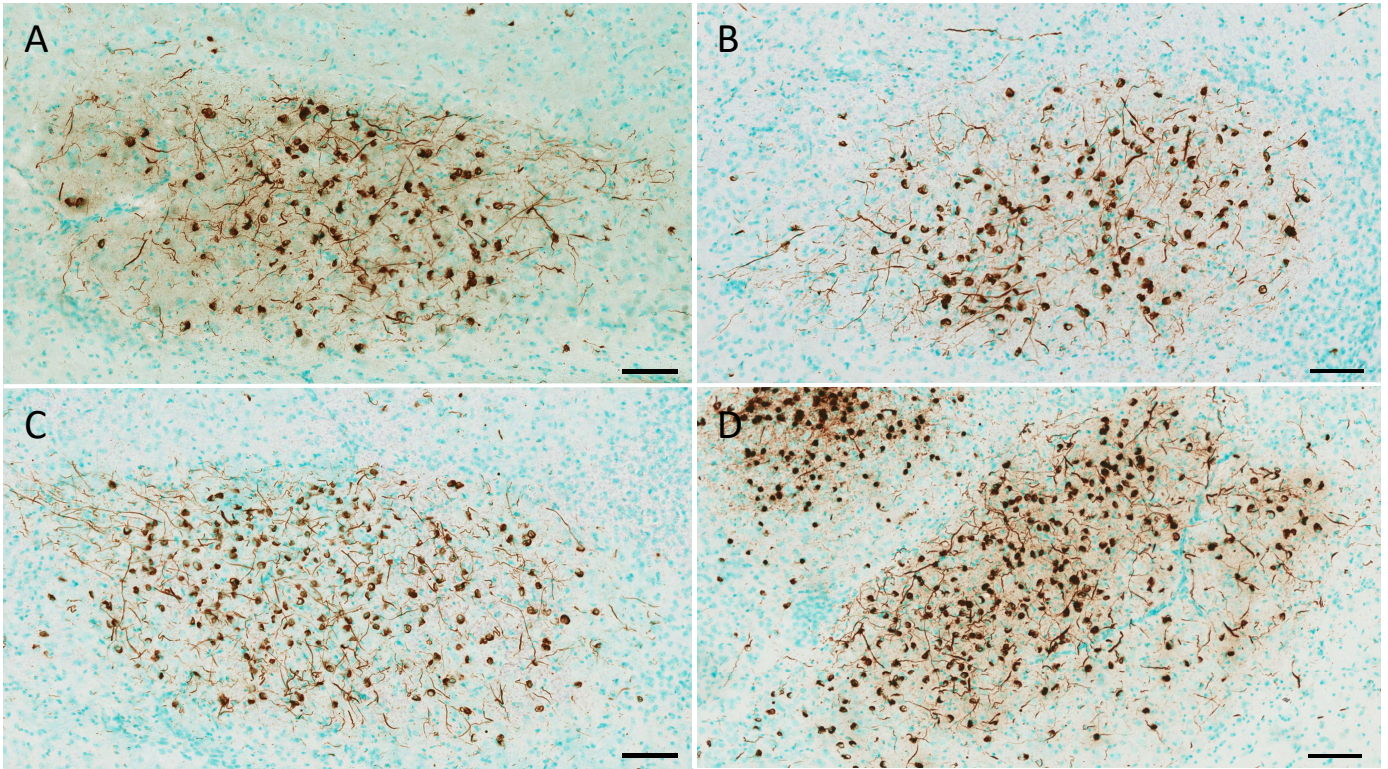


Figure S10. Additional representative images of the LB and LN (brown) inclusions in the amygdala between non-stressed (CON) (B, D) and stressed (STR) (C, D) groups in the brain sections (bregma = -0.94 (A, C) and -2.06 (B, D)) stained against pS129α-syn (brown) and counterstained with methyl green (blue-green). Scale bars = 100 μm.

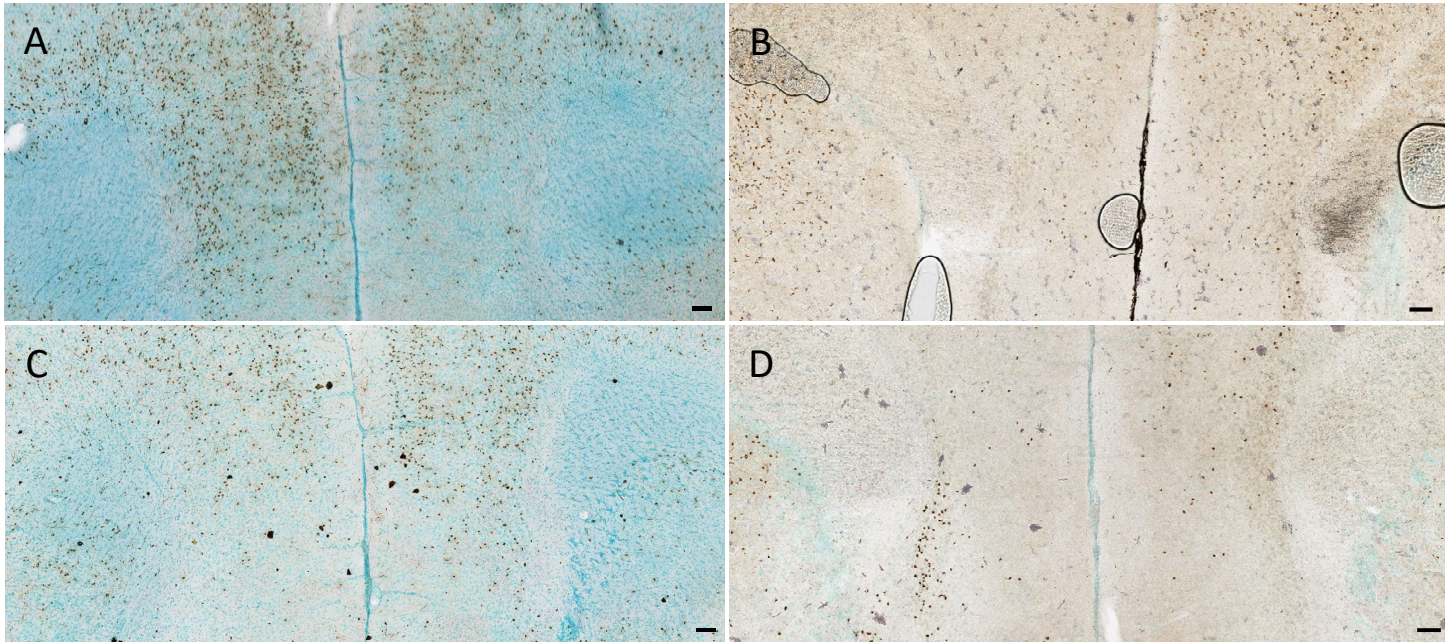


Figure S11. Additional representative images of the LB and LN (brown) inclusions in the PL and IL cortex between non-stressed (CON) (A, B) and stressed (STR) (C, D) groups in the brain sections (bregma = 1.94 (A, C) and 1.70 (B, D)) stained against pS129α-syn (brown) and counterstained with methyl green (blue-green). Scale bars = 100 μ m.

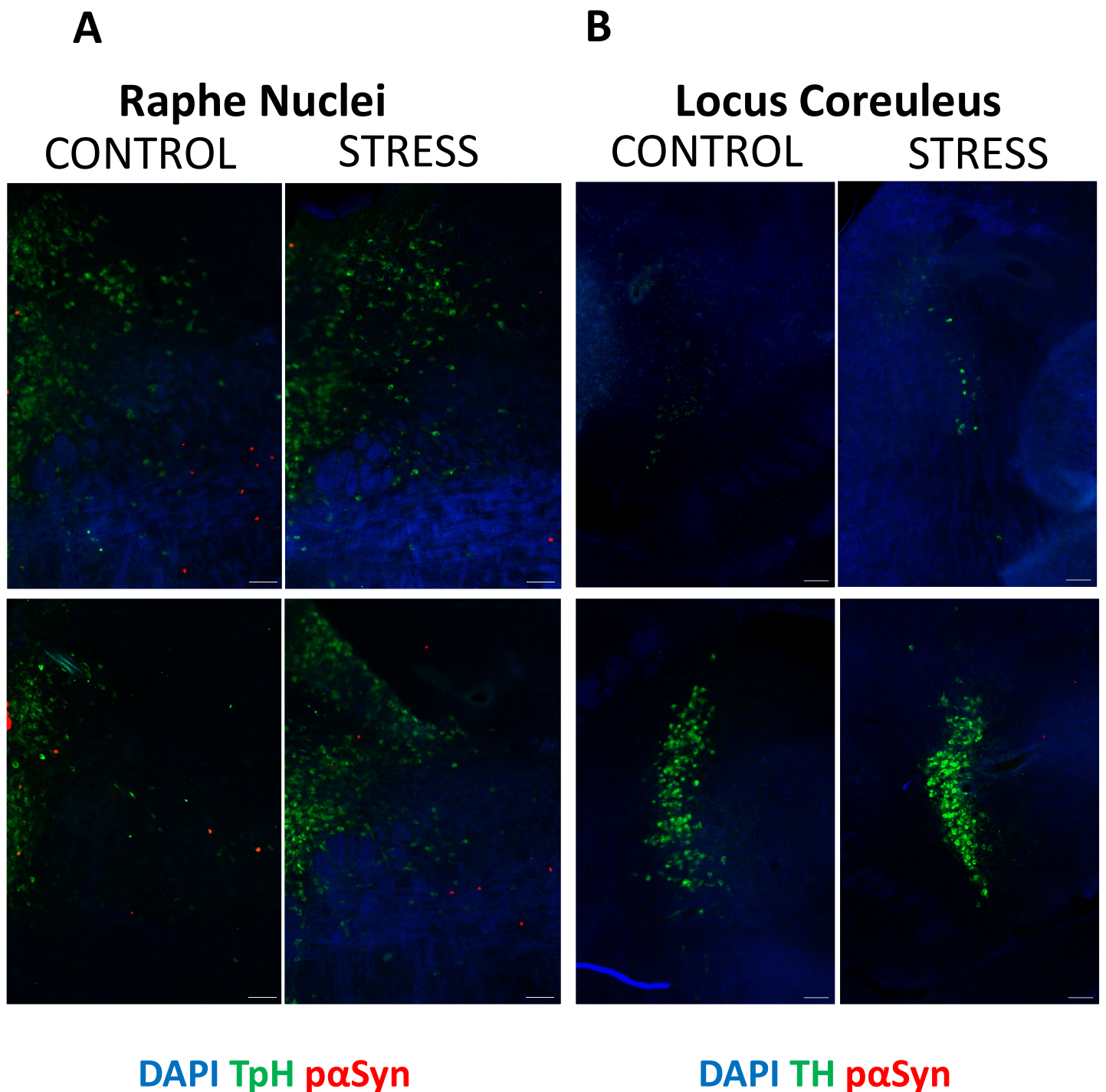


Figure S12. Additional representative images of α -syn aggregation, or lack thereof, in serotonergic neurons of Raphe Nuclei (RN) and noradrenergic neurons of Locus Coeruleus (LC) of control and stressed, PFF injected animals. (A) Representative images of tryptophan hydroxylase (TpH, green) and pS129- α syn (p α Syn, red) in RN. (B) Representative images of tyrosine hydroxylase (TH, green) and or pS129- α syn (p α Syn, red) in LC. Scale bars = 100 μ m