



**Supplementary Figure 1. Validation of 6-OHDA lesion and L-DOPA induced abnormal involuntary movements.** Evolution of dyskinesia scores showing (A) the time course of AIM scores for axial, limb, and orolingual ratings and (B) locomotive score, on the last session after L-DOPA chronic treatment. Results are expressed as means  $\pm$  S.E.M. Coronal sections (C) from sham group and 6-OHDA group. Note the lack of TH immunoreactivity in the striatum and SN. Scale bar = 1 mm.