

Communication

Steady-State Levels of Miro1 Linked to Phosphorylation at Serine 156 and Mitochondrial Respiration in Dopaminergic Neurons

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Supplementary Figure 1. Characterization of Miro1 S156A Neural Precursor cells (NPCs)

Figure S 1: (A) RT-qPCR showing expression of neural precursor markers *NES*, *SOX2* and *PAX6* in NPCs as fold change to iPSCs. Error bars depict SD (n=3); Wilcoxon matched pairs signed rank test with two-stage linear step-up procedure of Benjamini, Krieger and Yekutieli. (B) Representative immunofluorescence staining showing neural precursor marker Sox2 and Nestin in NPCs. (C) ECAR in hDaNs. Neurons were challenged with Oligomycin, CCCP and Rotenone with Antimycin A at the indicated times. ECAR was normalized to number of cells seeded. Error bars indicate standard deviation (n_{diff}=3). (D) Quantification of intensity of Tom20, Complex IV and I Western blot bands in NPCs normalized to α -vinculin. Error bars depict standard deviation (n=4); Complex IV: Wilcoxon test matched pairs signed rank test.; Tom20 and Complex I: Paired *t* test, two-tailed. (E) RHOT1 knockdown in undifferentiated SH-SY5Y cells. Quantification of intensity of Miro1, Tom20, Complex IV and I Western blot bands normalized to α -vinculin. Error bars depict standard deviation (n=3); Miro1: paired *t* test, one-tailed; Tom20, Complex IV/ II/I: Paired *t* test, two-tailed. (F) RHOT1 knockdown in differentiated SH-SY5Y cells. Quantification of intensity of Miro1, Tom20 and Complex I Western blot bands normalized to α -vinculin. Error bars depict standard deviation (n=4); Miro1: paired *t* test, one-tailed; Tom20 and Complex I: Paired *t* test, two-tailed.

