Supplementary Western blotting data

Parkinson's disease mutant Miro1 causes mitochondrial dysfunction and dopaminergic neuron loss

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Normal exposure



WB1. Original full length membrane referent to the data displayed at Main Figure 4B. Left: α -synuclein normal (top) and high (bottom) exposures. Right: full membrane showing β -actin.



WB2. Original membrane shown at Main Figure 4F, blotted for α -synuclein (left) and Vinculin (right).



WB3. Original membrane shown at Main Figure 5A, blotted for tyrosine hydroxylase (TH, left) and β -actin (right).

wt/w		R285Q/R285Q	-	
			-	
			-	β-actin 42 kD
wt/w	t	R285Q/R285Q	-05	
				r-svn 15 kDa

WB4. Original membrane shown at Main Figure 6E, blotted for β -actin (top) and α -synuclein (α -syn, bottom).

	wt/wt	R285Q/R285Q	
÷			β-actin 42 kDa
_	wt/wt	R285Q/R285Q	
S			α-syn 19 kDa

WB5. Original membrane shown at Main Figure 6F, blotted for β -actin (top) and phosphorylated S129 α -synuclein (α -syn, bottom).

	Ctrl1 Ctrl2 Ctrl3 PD- R272Q iCtrl Ctrl1 Ctrl2 Ctrl3 PD- iCtrl R272Q iCtrl
Ctrl1 Ctrl2 Ctrl3 PD- R272Q iCtrl Ctrl1 Ctrl2 Ctrl3 PD- R272Q iCtrl	
VDAC 32 kDa	
	β-actin 42 kDa

WB6. Original membrane shown at Supplementary Figure 4B, blotted for VDAC (left) and β-actin (right).

Ctrl1 Ctrl2 Ctrl3 PD- R272Q iCtrl	
	β-actin 42 kDa
Ctrl1 Ctrl2 Ctrl3 PD- R272Q iCtrl	
	TOM20 18 kDa

WB7. Original membrane shown at Supplementary Figure 4C, blotted for TOM20 (bottom) and β -actin (top).



WB8. Original membrane shown at Supplementary Figure 4D, blotted for FTL (left) and β-actin (right).

iCtrl PD-R272Q	-			iCtrl	PD-R272Q	
	CDK5 30 kDa			Laman Bridd PA		α-syn 15 kDa
	iCtrl	PD-R272Q	Vinculin 130 kDa			

WB9. Original membrane shown at Supplementary Figure 6E, blotted for CDK5 (top left), α -synuclein (top right) and vinculin (bottom).



WB10. Original membrane shown at Supplementary Figure 9C, blotted for TOM20 (left) and β -actin (right).



WB11. Original membrane shown at Supplementary Figure 9D, blotted for MnSOD (left) and β -actin (right).



WB12. Original membrane shown at Supplementary Figure 9E, blotted for p62 (left) and β-actin (right).



WB13. Original membrane shown at Supplementary Figure 9F, blotted for Vinculin (top) and mitochondrial complex V, III, and I (bottom left) as well as mitochondrial complex IV and II (bottom right).