

**Supplementary Table 3.** List of primary and secondary antibodies

Antigen	Source	Catalog No.	Dilution
$\alpha$ -synuclein ( $\alpha$ -SYN)	Santa Cruz Biotechnology	sc7011-R	1:1,000
$\alpha$ -synuclein ( $\alpha$ -SYN)	BD Transduction Laboratories	610787	0.38888889
$\beta$ -actin	Sigma	A5316	1:20,000
Flag-tag	Sigma	F3165	1:5,000
HA-tag	Cell Signaling	2337	1:1,000
H3K4me3	Abcam	ab8580	1 $\mu$ g/reaction
H3K27me3	Active motif	39155	1 $\mu$ g/reaction
TET1	ThermoFisher Scientific	MA5-16312	0.319444444
Normal mouse IgG	Millipore	12-371	1 $\mu$ g/reaction
Goat anti-mouse IgG	Jacksons Laboratory	115-035-146	1:5,000
Goat anti-rabbit IgG	Jacksons Laboratory	111-035-144	1:5,000

TET1, ten-eleven translocation methylcytosine dioxygenase 1.