

## ABBREVIATIONS

AAO	Age at onset
AD	Alzheimer's disease
ALS	Amyotrophic lateral sclerosis
ASOs	Antisense oligonucleotides
BSA	Bovine serum albumin
BDNF	Brain Derived Neurotrophic Factor
CK2	Casein kinase-2
CNS	Central nervous system
CMA	Chaperone-Mediated Autophagy
ddH <sub>2</sub> O	Deionised distilled water
DTT	Dithiothreitol
ER	Endoplasmic reticulum
ERAD	ER-associated degradation
FDR	False discovery rate
GSK3	Glycogen synthase kinase 3
HTT	Huntingtin
HD	Huntington's disease
IT15	Interesting Transcript 15
KMO	Kynurenine 3-monooxygenase
KEGG	Kyoto Encyclopedia of Genes and Genomes
LAMP-2A	Lysosome-associated membrane protein type 2A
LCLs	Lymphoblastoid cell lines
mTOR	Mammalian target of rapamycin
MSNs	Medium spiny neurons
mHTT	Mutant Huntingtin protein
NDDs	Neurodegenerative diseases
NES	Nuclear Export Signal
NF- $\kappa$ B	Nuclear factor- $\kappa$ B

NLS	Nuclear Localization Signal
PD	Parkinson's disease
PBMCs	Peripheral blood mononuclear cells
PNS	peripheral nervous system
PMSF	Phenylmethane sulfonyl fluoride
PBS	Phosphate-buffered saline
PAGE	Polyacrylamide gel electrophoresis
PRC2	Polycomb Repressive Complex 2
PCR	Polymerase chain reaction
PTGS	Post-transcriptional gene silencing
PTMs	Post-translational modifications
PP2A	Protein phosphatase 2A
qPCR	Quantitative polymerase chain reaction
ROS	Reactive Oxygen Species
RNAi	RNA interference
RISC	RNA-induced silencing complex
PP2B	Serine/threonine-protein phosphatase 2B
siRNA	small interfering RNA
SDS	Sodium dodecyl sulphate
SD	Standard deviation
SEM	Standard error of the mean
TNF	Tumour necrosis factor
UPS	Ubiquitin proteasome system
UHDRS	Unified Huntington's Disease Rating Scale
WHO	World Health Organization