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## List of Symbols

Symbol	Description
$\alpha$	Alpha
$\beta$	Beta
$\gamma$	Gamma
g	Gram
$\mu$	Micro
$^{\circ}$	Degree
%	Percentage
C	Celsius
h	Hour
l	Litre
m	Milli
m	Meter
M	Molar
pH	Hydrogen Ion Concentration

## List of Abbreviations

<i>Abbreviation</i>	<i>Full form</i>
AD	Alzheimer's Disease
ALS	Amyotrophic Lateral Sclerosis
ARF-BP1	Alternative Reading Frame-Beta Protein 1
AS	Angelman Syndrome
ATP	Adenosine Triphosphahate
BAK	Bcl-2 Homologus Anatagonist/Killer
Bax	Bcl-2-associated X Protein
BCIP	5-Bromo-4-chloro-3-indolyl phosphate
BSA	Bovine Serum Albumin
CAG	Cytosine Adenine Guanine
CFTR	Cystic Fibrosis Transmembrane Conductance Regulator
CHIP	C-terminus of Hsp70 Interacting Protein
DAPI	Diamidino-2-phenylindole
DMEM	Dulbecco's Modified Eagle's Medium
DMSO	Dimethyl Sulphoxide
DNA	Deoxyribonucleic Acid
E1	Enzyme 1
E6-AP	E6- associated Protein
EDTA	Ethylene Diamine Tetra Acetate
ER	Endoplasmic Reticulum
FITC	Fluorescein Isothiocyanate
GFP	Green Fluorescence Protein
H <sub>2</sub> O <sub>2</sub>	Hydrogen Peroxide
HD	Huntington's Disease
HECT	Homologous to E6AP Carboxyl Terminal
H	Hour
Hsp70	Heat Shock Protein 70
kb	Kilo Base Pairs
Mb	Mega Base Pairs
kDa	Kilo Dalton
Mdm2	Murine Double Minute 2
MgCl <sub>2</sub>	Magnesium Chloride
mAmp	Milli Ampere
mRNA	Messenger Ribonucleic Acid
MTT	3-(4, 5-dimethylthiazol-2-yl)-2, 5-diphenyltetrazoliumbromide
MTOC	Microtubule-organizing Centre
NaCl	Sodium Chloride
NBT	Nitro Blue Tetrazolium
PBS	Phosphate Buffered Saline
PCR	Polymerase Chain Reaction
Q	Glutamine
R6/2	Huntington Disease Transgenic Mice Model
RING	Really Interesting New Gene
RNAi	Ribonucleic Acid Inhibitor
RPM	Rounds/Revolutions Per Minute
RT-PCR	Reverse Transcriptase Polymerase Chain Reaction
SCA	Spinocerebellar Ataxia
SCF	Skp1-Cdc53-F-box Protein

SD	Standard Deviation
SDS	Sodium Dodecyl Sulfate
SDS-PAGE	Sodium Dodecyl Sulfate-Polyacrylamide Gel Electrophoresis
siRNA	Small Interfering Ribonucleic Acid
SOD1	Superoxide Dismutase 1
SV-40	Simian Virus 40
TBST	Tris- buffered Saline with Tween-20
TEMED	N, N, N', N'-Tetramethylethylenediamine
TUNEL	Terminal Deoxynucleotidyl Transferase dUTP Nick End-Labeling
Ub	Ubiquitin
UBE3A	Ubiquitin Ligase E3 A
UPS	Ubiquitin Proteasome System
UTR	Untranslated Region
VHL	Von Hippel-lindau