List of abbreviations

Sr no.	Abbreviations	
1.	(H2DCFDA-AM)	2',7' dichlorodihydrofluorescein diacetate
2.	ACA	Adenylate cyclase A
3.	AD	Auto-modification domain
4.	ADPRT	ADP- ribosyl transferase
5.	ADPRT1A KO	ADPRT1A knockout
6.	ADPRT1A OE	ADPRT1A overexpression
7.	AIF	Apoptosis-inducing factor
8.	ARTD-1	ADP-ribosyltransferase D-type 1
9.	ATM	Ataxia telangiectasia- mutated
10.	BER	Base excision repair
11.	BRCT	BRCA1 C terminus like
12.	CaMKII	Calcium-dependent protein kinase II
13.	cAMP	Adenosine 3´, 5´-cyclic monophosphate
14.	cAR A	cAMP receptor A
15.	CAR1	cAMP receptor 1
16.	CAT	Carboxy-terminal Catalytic Domain
17.	CCN2	Connective tissue growth factor
18.	CF	Counting factor
19.	CMF	Conditioned Medium Factor
20.	Ct	Threshold cycle
21.	CTCF	CCCTC-binding factor
22.	D. discoideum	Dictyostelium discoideum
23.	DAPI	4',6-diamidino-2-phenylindole
24.	DBD	Amino-terminal DNA Binding Domain
25.	DCF	2',7' dichlorodihydrofluorescein
26.	DIF	Differentiation-inducing factor
27.	DiOC6	3,3'-dihexyloxacarbocyanine iodide
28.	DSBs	Double strand breaks
29.	ECMA	Extracellular matrix A

30.	ECMB	Extracellular matrix B
31.	HR	Homologous recombination
32.	MAPK	Mitogen activated protein kinases
33.	MMR	Mismatch Repair
34.	Mre11	Mitotic recombination 11
35.	NAc	N-Acetyl Cysteine
36.	Nbs1	Nijmegen breakage syndrome 1
37.	NHEJ	Non-homologous end joining
38.	NLS	Nuclear localization signal
39.	NMNAT1	Nuclear Nicotinamide mononucleotide adenylyl transferase 1
40.	Nrf2	Nuclear factor erythroid 2 [NF-E2]-related factor 2
41.	PAR	poly (ADP-ribose) polymers
42.	PARG	PAR glycohydrolases
43.	PARP	Poly (ADP-ribose) polymerase
44.	PARP dR	PARP down regulation
45.	PARPi	PARP inhibitor
46.	PDE	Phosphodiesterase
47.	PDSA	Phosphodiesterase A
48.	PKA	Protein kinase
49.	PSF	Pre Starvation Factor
50.	PSM	PARP signature motif
51.	RRM	RNA recognition motif
52.	SSBs	Single stranded breaks
53.	Tankyrase-1	TRF-1 interacting ankyrin-related [ADP-ribose] polymerase-1
54.	UPR	Unfolded Protein Response
55.	XRCC1	X-ray cross-complementing protein 1
56.	YY1	Yin Yang 1