

Challenges and opportunities for the diverse substrates of SPOP E3 ubiquitin ligase in cancer

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Supplementary Table 1. Abbreviations used.

Abbreviations (A-Z)	Full names
53BP1	p53 binding protein 1
APC/C	anaphase-promoting complex/cyclosome
AR	Androgen receptor
ASCT2	Alanine serine cysteine transporter 2
ATF2	Activating transcription factor 2
ATM	Ataxia-telangiectasia mutated
BCLAF1	B cell lymphoma-2-associated transcription factor 1
BET	Bromodomain and extraterminal domain
BMI1	B-lymphoma Mo-MLV insertion region 1
BRAF	B-Raf proto-oncogene
BTB	Bric-à-brac/Tramtrack/Broad
BRD2/3/4	Bromodomain containing proteins 2/3/4
BRMS1	Breast cancer metastasis suppressor 1
CAF-1	Chromatin assembly factor-1
CAFs	Cancer-associated fibroblasts
ccRCC	Clear cell renal cell carcinoma
CDCA5	Cell division cycle associated 5
Cdc20	Cell division cycle 20

Abbreviations (A-Z)	Full names
CDK2	cyclin-dependent kinase 2
CHAF1A	Chromatin assembly factor 1 subunit A
CRC	Colorectal cancer
CRLs	Cullin–RING ligases
CRPC	Castration-resistant prostate cancer
CSCs	Cancer stem cells
CXCL16	C-X-C motif chemokine ligand 16
DDIT3	DNA damage inducible transcript 3
DDR	DNA damage response
DLBCL	Diffuse large B-cell lymphoma
DRAK1	Death-associated protein kinase-related apoptosis-inducing kinase 1
dsRNA	Double-stranded RNA
EglN2	Egl-9 family hypoxia inducible factor 2
EMT	Epithelial-mesenchymal transition
ER α	Estrogen receptor α
ERG	ETS-related gene
FADD	FAS-associated death structural domain
FASN	Fatty acid synthase
FL	Full-length
GC	Gastric cancer
GDP	Guanosine diphosphate
GEF	Guanine nucleotide exchange factor
GTP	Guanosine triphosphate
H3K9me3	Trimethylation of histone H3 at lysine 9
H3K36me3	Trimethylation of histone H3 at lysine 36

Abbreviations (A-Z)	Full names
HB	Hepatoblastoma
HCC	Hepatocellular carcinoma
HDACs	Histone deacetylases
HECT	Homology to E6AP C-terminus
HGPIN	High-grade prostatic intraepithelial neoplasia
Hh	Hedgehog
HIF α	Hypoxia-inducible factor alpha
HIPK2	Homeodomain interacting protein kinase 2
HMGCS1	3-hydroxy-3-methylglutaryl-CoA synthase 1
HMTase	Histone methyltransferase
HP1 γ	Heterochromatin protein 1 γ
HR	Homologous recombination
ICB	Immune checkpoint blockade
IDRs	Intrinsically disordered regions
IL-1R	Interleukin-1 receptor
INF2	Inverted formin 2
IRF2BP2	Interferon regulatory factor 2-binding protein 2
IRF1	Interferon regulatory factor 1
KC	Kidney cancer
LLPS	Liquid-liquid phase separation
LRP5	Low-density lipoprotein receptor-related protein 5
MATH	Meprin and TRAF homology
MCM3	Minichromosome maintenance complex component 3
MTDH	metadherin
NEPC	Neuroendocrine prostate cancer

Abbreviations (A-Z)	Full names
NHEJ	Nonhomologous end joining
NLS	Nuclear localization sequence
NSCLC	Non-small cell lung cancer
OGT	O-GlcNAcylated by O-GlcNAc transferase
PARP	Poly(ADP-ribose) polymerase
PCa	Prostate cancer
PcG	Polycomb group
PD-1	Programmed death receptor-1
Pdx1	Pancreatic duodenal homeobox 1
PDK1	3-phosphoinositide-dependent kinase 1
PD-L1	Programmed death-ligand 1
PIN	Prostatic intraepithelial neoplasia
PIP3	PtdIns(3,4,5)P3
PR	Progesterone receptor
PRC1	Polycomb repressive complex 1
PrLZ	Prostate leucine zipper
RAF	Rapidly accelerated fibrosarcoma
RBP1	Retinoblastoma binding protein 1
RBR	RING homology-in-between-RING
RCC	Renal cell carcinoma
RING	Really interesting new gene
ROS	Reactive oxygen species
RTKi	Receptor tyrosine kinase inhibitor
RTN-4B	Reticulon-4B
SBC	SPOP-binding consensus
SENp7	Sentrin/SUMO-specific protease 7

Abbreviations (A-Z)	Full names
SGK3	Serum- and glucocorticoid-regulated kinase-3
SGOC	Serine–Glycine–One–Carbon
SG	Stress granule
SHH	Sonic hedgehog
shRNA	Short hairpin RNA
siRNAs	Small interfering RNAs
SLC7A1	Solute carrier family 7 member 1
SPOP	Speckle-type POZ protein
SQSTM1	Sequestosome-1
SRC3	Steroid receptor coactivator 3
STAT3	Signal transducers and transcriptional activators 3
SRF	Serum response factor
STK17A	Serine/threonine protein kinase 17A
SUMO	Small ubiquitin-related modifier
TILs	Tumor-infiltrating lymphocytes
TIAM1	T lymphoma invasion and metastasis 1
TLR	Toll-like receptor
TME	Tumor microenvironment
TPD52	Tumor protein D52
TRIM24	Tripartite motif containing 24
TWIST1	Twist family BHLH transcription factor 1
UPS	Ubiquitin-proteasome system
WT	Wild-type
ZBTB3	Zinc finger and BTB domain-containing protein 3