

Accession	Gene Symbol	Name	Score
IPI00786995	LOC731751	similar to DNA dependent protein kinase catalytic subunit	167
IPI00643722	ARID1A	Isoform 1 of AT-rich interactive domain-containing protein 1A	271
IPI00069084	TRRAP	Transformation/transcription domain-associated protein	73
IPI00290652	RSF1	Remodeling and spacing factor 1	66
IPI00903319	ATXN1	Ataxin-1	53
IPI00292771	NUMA1	Isoform 1 of Nuclear mitotic apparatus protein 1	35
IPI00019502	MYH9	Isoform 1 of Myosin-9	462
IPI00470805	MDC1	Mediator of DNA damage checkpoint protein 1	73
IPI00029822	SMARCA	SWI/SNF-related matrix-associated actin-dependent regulator of chrom	32
IPI0000849	SPRR2	Small proline-rich protein 2	37
IPI00026970	SUPT16H	FACT complex subunit SPT16	436
IPI00305282	RAD50	Isoform 1 of DNA repair protein RAD50	63
IPI00185146	IPO9	Importin-9	946
IPI00449049	PARP1	Poly [ADP-ribose] polymerase 1	206
IPI00909008	DDB1	DNA damage-binding protein 1	40
IPI00449049	PARP1	Poly [ADP-ribose] polymerase 1	246
IPI00903319	ATXN1	Ataxin-1	68
IPI00008477	TPX2	Targeting protein for Xklp2	49
IPI00005154	SSRP1	FACT complex subunit SSRP1	477
IPI00871391	XRCC5	Putative uncharacterized protein XRCC5	104
IPI00165536	KAT5	highly similar to Histone acetyltransferase HTATIP	58
IPI00217467	HIST1H1	Histone H1	64
IPI00001639	KPNB1	Importin subunit beta-1	32
IPI00009104	RUVBL2	RuvB-like 2	1011
IPI00021187	RUVBL1	Isoform 1 of RuvB-like 1	669
IPI00006167	PPM1G	Protein phosphatase 1G	313
IPI00640417	HP1BP3	Heterochromatin protein 1-binding protein 3	44
IPI00216230	TMPO	Lamina-associated polypeptide 2, isoform alpha	37
IPI00020127	RPA1	Replication protein A 70 kDa DNA-binding subunit	257
IPI00893179	XRCC6	X-ray repair complementing defective repair in Chinese hamster cells 6	55
IPI00103554	GATAD2B	Transcriptional repressor p66-beta	50
IPI00020127	RPA1	Replication protein A 70 kDa DNA-binding subunit	60
IPI00829697		Uncharacterized protein ENSP00000375030	60
IPI00887974	LOC646057	similar to hCG2042717	48
IPI00645452	TUBB	Tubulin, beta polypeptide	44
IPI00887974	LOC646057	similar to hCG2042717	57
IPI00894498	ACTB	Beta actin variant (Fragment)	381
IPI00894365	ACTB	highly similar to Actin, cytoplasmic 1	381
IPI00021440	ACTG1	Actin, cytoplasmic 2	378
IPI00028888	HNRNPD	Heterogeneous nuclear ribonucleoprotein D0	71
IPI00012066	PCBP	poly(rC) binding protein	37
IPI00017412	RFC2	Isoform 1 of Replication factor C subunit 2	252
IPI00742926	HNRNPAB	Heterogeneous nuclear ribonucleoprotein A/B	230
IPI00016610	PCBP1	Poly(rC)-binding protein 1	97
IPI00031521	RFC3	Replication factor C subunit 3	81
IPI00045051	PURB	Transcriptional activator protein Pur-beta	75
IPI00792595	RFC4	Replication factor C subunit 4	71
IPI00216592	HNRNPC	Heterogeneous nuclear ribonucleoproteins C1/C2	39
IPI00216689	PCBP2	Poly(rC)-binding protein 2	39
IPI00017381	RFC4	Replication factor C subunit 4	124
IPI00219217	LDHB	L-lactate dehydrogenase B chain	107
IPI00217467	HIST1H1	Histone H1	66
IPI00217465	HIST1H1C	Histone H1.2	66
IPI00742926	HNRNPAB	Heterogeneous nuclear ribonucleoprotein A/B	46
IPI00217467	HIST1H1	Histone H1	72
IPI00419983	HIST1H1T	Histone H1t	72
IPI00217467	HIST1H1E	Histone H1.4	88
IPI00217465	HIST1H1C	Histone H1.2	88
IPI00217467	HIST1H1E	Histone H1.4	98
IPI00013939	RPA2	Replication protein A 32 kDa subunit	62
IPI00470438	C1orf77	Chromosome 1 open reading frame 77	119
IPI00217467	HIST1H1E	Histone H1.4	103
IPI00021924	H1FX	Histone H1x	76
IPI00419983	HIST1H1T	Histone H1t	66
IPI00646957	RPA2	Replication protein A2, 32kDa	31
IPI00217467	HIST1H1	Histone H1	44
IPI00887982	LOC391774	similar to hCG1781941	36
IPI00045109	HIST1H2AA or H	Histone H2A type 1-A or Histone H2A.x	60
IPI00376572	MRCL or MYL9	Myosin regulatory light chain or Myosin regulatory light polypeptide 9	84
IPI00152906	Etc	Histone H2B	81
IPI00217466	HIST1H1D or H1I	Histone H1.3 or Histone H1.4	62
IPI00217465	HIST1H1C	Histone H1.2	62
IPI00018842	HMGN	High mobility group nucleosome-binding domain-containing protein	52
IPI00177716	HMGA1	Isoform HMG-Y of High mobility group protein HMG-I/HMG-Y	49
IPI00152906	Etc	Histone H2B	425
IPI00003935	Etc	Histone H2B	415
IPI00796366	MYL6B	16 kDa protein	184
IPI00216457	Etc	Histone H2A	129
IPI00031562	HIST3H2A or H1K	Histone H2A type 3 or Histone H2A type 1-B/E	71
IPI00003935	Etc	Histone H2B	113

Table S1 The list of identified proteins from H2AX complex after DNA damage