

Supplemental Table 2. Polypeptides associated with Ring1B153A
(Relates to Fig. 1)

NCBI Acc. Nr.	Protein	Gene name	Mass (Da)	Protein Score ¹	Coverage (%) ²
gil14028669	DNA-dependent ATPase Snf2h ^a	Snf2h	122311	54	6
gil27499606	O-linked GlcNAc transferase ^a	Ogt	118060	55	13
gil1490546	Polyhomeotic-like protein 1 ^a	Phc1	106891	804	28
gil266545	Chromobox protein homolog 2 ^a	Cbx2	55142	166	24
gil18043656	Mbt domain containing 1 ^a	Mbtd1	53486	46	8
gil3220232	Polyhomeotic-like protein 2 ^a	Phc2	47556	59	11
gil28076973	Polycomb group ring finger 6 ^a	Pcgf6	40365	247	28
gil2239144	Ring finger protein 1A ^{a,b,c}	Ring1A	39892	559	14
gil2239142	RING finger protein 1B^{a,b,c}	Ring1B	38265	1629	40
gil6678635	Polycomb group ring finger 2 ^a	Pcgf2	38383	37	8
gil7304947	Chromobox homolog 8 ^{a,b}	Cbx8	39893	85	12
gil5381327	RING1 and YY1-binding protein ^{a,b}	Rybp	24743	412	41
gil26329299	Polycomb group ring finger 3 ^a	Pcgf3	21342	35	12
gil55958274	Polycomb complex protein Bmi1 ^{a,b}	Bmi1	12639	44	18
gil66792788	BCL-6 interacting corepressor ^b	Bcor	190043	251	17
gil125347764	BCL6 co-repressor-like 1 ^b	Bcorl1	192364	207	14
gil54607024	F-box and leucine-rich repeat protein 10 ^b	Fbxl10	151401	173	11
gil148696030	MAX gene associated ^c	Mga	330371	1894	37
gil27370170	L(3)mbt-like 3 ^c	L(3)mbt- like 3	100443	507	29
gil148672618	L(3)mbt-like 2 ^c	L(3)mbt- like2	76153	404	26
gil17352153	E2F6a ^c	E2F6	31046	186	33
gil124486949	Transformation/transcription domain-associated protein ^d	Trrap	439911	1090	22
gil55976523	E1A-binding protein p400 ^d	p400	338366	803	19
gil94421034	E1A binding protein p300 ^d	p300	266044	171	9
gil737920	CREB-binding protein ^d	Cbp	268294	58	2
gil74179958	Bromodomain containing 8 ^d	Brd8	95515	92	14
gil149249371	Enhancer of polycomb homolog 2 ^d	Epc2	91767	97	18
gil6755382	RuvB-like protein 2 ^d	Ruvbl2	51252	284	30

gil4001805	BRG1-associated factor 53A ^d	Baf53a	47913	268	26
gil6425087	Gamma actin-like protein ^d	Actg1	44029	249	32
gil387090	Alpha-cardiac actin ^d	Actc	42043	259	34
gil30425250	Actin, beta-like 2 ^d	Actbl2	42319	164	16
gil4501887	Actin, gamma 1 propeptide ^d	Actg1	42108	318	43
gil49868	Beta-actin (aa 27-375) ^d	Actb	39446	279	38
gil84569914	MRG-binding protein ^d	Mrgbp	22478	76	20
gil149266757	Histone-lysine N-methyltransferase Mll2 ^e	Mll2	571899	500	13
gil145587671	Nuclear receptor coactivator 6 ^e	Ncoa6	220333	52	1
gil42734451	PAX-interacting protein 1 ^e	Paxip1	120505	568	29
gil33859492	Lysine-specific demethylase 6A ^e	Kdm6a	159240	257	23
gil16554627	WD repeat domain 5 ^e	Wdr5	37136	457	41
gil26339944	Retinoblastoma binding protein 5 ^e	Rbbp5	59745	93	15
gil21313594	PTIP-associated 1 ^e	Pa1	27820	64	22
gil47078460	Telomere-associated protein RIF1	Rif1	267600	367	13
gil123226656	Mediator of RNA polymerase II transcription subunit 12	Med12	244887	238	10
gil124286862	Mediator of RNA polymerase II transcription subunit 13	Med13	241917	50	1
gil68342456	Methylcytosine dioxygenase TET2	Tet2	215136	88	6
gil11094397	Transcription factor 20	Tcf20	214923	607	26
gil115270972	Mediator complex subunit 14	Med14	159966	55	2
gil2645205	p160 myb-binding protein	Mybbp1a	152773	78	6
gil51092285	Shugoshin-like 2	Sgol2	131850	1250	46
gil124249084	EMSY protein	Emsy	135550	94	6
gil1350582	MHC class II regulatory factor RFX1	Rfx1	103972	67	4
gil25955700	PHD finger protein 14	Phf14	100497	460	24
gil37360004	Lysine-specific histone demethylase 1A	Kdm1a	96175	256	27
gil148698953	mCG14769		94852	90	8
gil123212125	PHD finger protein 21A	Phf21a	71521	130	16
gil74226948	Coilin	Coil	62700	54	3
gil13278367	Rbm39 protein	Rbm39	47255	180	14
gil21704096	TAR DNA-binding protein 43	Tardbp	44918	77	6
gil12857100	High mobility group 20A	Hmg20a	39897	143	16
gil12851679	centromere protein V	Cenpv	27921	344	46

Proteins that are components in known complexes are: a) PRC1; b) BCOR complex; c) E2F6.com; d) p400.com; e) MLL2. ¹ Mascot protein score, ² Fraction of the protein recovered in peptides.