Supplementary Table 2
Exon-flanking primers used for PCR amplification and sequencing of human *UBR1*

Exon(s)	Primer sequence forward	Primer sequence reverse	product size (bp)
UBR1_Ex1	aacagttcccagcaccaaac	agacttggctggcagaaatg	530
UBR1_Ex2	ggtggtatgtgagcagttgc	tgggtcacacagcaagactc	535
UBR1_Ex3	ggtcaaggcccaaagttatg	tttctgtaaagcaacacacatcc	510
UBR1_Ex4	ttttcgcacactttgcaatc	aaaacagcagggttctaactgg	543
UBR1_Ex5	ttcattcctggacgatgttg	ggatgagaggctgctaggtc	550
UBR1_Ex6	aaattagctggggtgtggtg	agcaagggctcagtcaacat	539
UBR1_Ex7+8	gagctcattaagtctttgggctac	gcaaccctgaaaattaatcaaag	645
UBR1_Ex9	cactgtgagaggctgaggtg	aaagacaacatccctgggttt	442
UBR1_Ex10	ggaggggtgcagaaaaagag	ttcaaatgatccacccacct	496
UBR1_Ex11	tttttgctgatcataatatcttgc	tcatctgcattgacgaggac	446
UBR1_Ex12	cctgtctaatgggcttggag	acgcgaggcagtaacagttc	547
UBR1_Ex13	agttagctgtgacaggcttgg	ggatctatcaaaacaggatgagtg	558
UBR1_Ex14	ttgaacccatgcattctgac	tttccagggaataaacgtgtg	532
UBR1_Ex15	tgcagtgagctgtgattatgc	tgggtgggagatgagttacc	582
UBR1_Ex16+17	gccaaatcaaatcgcacaag	cactcagtaaaatctaggaacacagg	655
UBR1_Ex18	tcatcctcgctagtcccttt	tgttaaaagcctcggcaagt	562
UBR1_Ex19	tttttgacagtcctacatgagacaa	aaggaagggatccagaacaaa	544
UBR1_Ex20	tgaggggcgtgttagagaag	tctgtgcttttgtgaaggtga	583
UBR1_Ex21	cttttgcccctctctcacag	tcccagatcccttaccattg	595
UBR1_Ex22	cgaagttggtctcccaaaac	cccctcattctcacccttc	381
UBR1_Ex23	attgcaatggaatttttcataag	tgatgaagtccatgatgcttg	503
UBR1_Ex24	ggtgatgtctggctttgtcc	gttgcccactctcaaaaacc	472
UBR1_Ex25	ggtttttgagagtgggcaac	gacctgagatcttccctagctc	539
UBR1_Ex26	gtcgtgtgcacctctagtcc	aaagtggggcgatcatgtag	571
UBR1_Ex27	tggactttgatgtccacagg	gtgagcatggcacatggtag	447
UBR1_Ex28	ggcgtttgtcacagtcagag	tcccgacctcaagtgatcta	545
UBR1_Ex29a	tgtcatgcagcctgtaatgc	tgagttggtaatttttggtttgc	380
UBR1_Ex29b	aattttgccatccaaacagc	tcctatgaccctgccaaatc	359
UBR1_Ex30	ggaaagggggaagcttttaac	aggaattgaagacattttgagaac	568
UBR1_Ex31	tgcttggacattcctaagacag	gcccggccaattattacttt	472
UBR1_Ex32	ttattggggcaaaaattcca	tcagccccctcaagtaactg	488
UBR1_Ex33	ttccttccccttccaaaaag	tcaagaaatctgtacttgcaaacc	383
UBR1_Ex34	cctgggagatggaagctaca	gatggaagcctacactgtttcc	321
UBR1_Ex35	aacccttctagctgtgagc	accagaccaaatggcatgag	600
UBR1_Ex36	aagattgctgcaggtgcttt	cgctgtaaagtgcacatgct	483
UBR1_Ex37	tcagctctggggaaaacact	ttgcatggcttctgtaggtg	526
UBR1_Ex38	gcagccttttctcagttcag	gaaaaaggccagaagaggag	552
UBR1_Ex39	ctgctgcccttcacatttag	aagcaggtccaagtggtctc	488
UBR1_Ex40	ggcaacaagagcgaaactct	aaaactgaaactacacccttcc	468
UBR1_Ex41	tgcccggctaattcagtaga	atggggagaggagaagtggt	499
UBR1_Ex42	tgccacccatggttttatag	tttgccaccccttttaatcag	365
UBR1_Ex43	tgaacctaggaggcagaagc	aggaaaaggacagccactcc	420
UBR1_Ex44	tcactttgggcagtttttga	tttgaggctgcagtgagcta	364
UBR1_Ex45	tgggcatgtcagatgaagac	ccatagtgacccccagattg	571
UBR1_Ex46	ccaccattttccaaggtgtc	cggtgtctggcctcaattac	544
UBR1_Ex47	ggctccaggaacatctcaag	acctggacatggagcaaaag	363