

**Table S1.** Oligonucleotides used

Name	Sequence	Nucleotide position in <i>ATG2</i> , <i>ATG9</i> or <i>KIAA0404 orf</i>	Description
XmaI1	TTTTTTTTGATTTCCCGGGAATGGCATTTTGG	<i>ATG2</i> 1-12	introduce XmaI site
XmaI1rev	CCAAAATGCCATTCCCGGGAAATCAAAAAAAAA		
SalI1	CGTAAAAATTTTTGTCGACATTTTTGATATAT	<i>ATG2</i> 4779- 4775	introduce SalI site
SalI1rev	ATATATCAAAAATGTCGACAAAAATTTTTACG		
BpI_F	<b>GCTCAGCCAAAAGAAGAAGAC</b>	<i>ATG2</i> 3016-3036	amplification of <i>ATG2</i> fragment containing site of fusion
StuI_R	GACAGGAGCCAGGCCTTCCAA	<i>ATG2</i> 4047-4027	
M13F	TGTAAAACGACGGCCAGT		universal primer complementary to pGEM T-Easy, used for fusion PCR
YK_R	CGTGTGTAGGTACAGGAATTTATTCCAGGTGG	<i>ATG2</i> 3552-3539	5' end contains 18 nucleotide overhang complementary to <i>KIAA0404</i> (4716-4699), used for fusion PCR
YK_F	TCC CAG ATC AAC AAG TTT GTA ACT TTG CTA AAG CA	<i>ATG2</i> 3553- 3572	5' end contains overhang complementary to <i>KIAA0404</i> (4684-4698), used for fusion PCR
SalATG_R	TAACTAATTACATGACTCGAGGTC GACA		complementary to terminator sequence of <i>ATG2</i> , introduces SalI site
Sal3_F	CCTGGAATAAAGTCGACACTTTG	<i>ATG2</i> 3542-3564	introduces SalI site, allows deletion of fragment encoding Atg2 C-terminus
Sal3_R	GCAAAGTGTGACTTTTATTCC	<i>ATG2</i> 3565-3545	
0404LBam	ACA TGG ATC CCT CGG AGA CCGCCG GGC CTG	<i>KIAA0404</i> 4-1	introduces BamHI site before start codon of <i>KIAA0404</i>
0404UBam	CGA GGG ATC CAT GTC ACG ATG GCT GTG GCC A		
KY_L	CCACCTGGAATAAATTCCTGTACCTACACACG	<i>KIAA0404</i> 4699-4716	5' end contains 14 nt overhang complementary to <i>ATG2</i> (3539-3552)
SalKIA_R	ACTCGAGGTCGACTCAGTCTTGGGCAC	<i>KIAA0404</i> 5899-5885	Introduces SalI site to <i>KIAA0404</i>
KY_R	TTAGCAAAGTTACAACTTGTTGA TCTGGGAGGA	<i>KIAA0404</i> 4698-4681	5' end contains overhang to <i>ATG2</i> (3568-3553)
SacII_F	CCTCATCACCGCGGAGACC	<i>KIAA0404</i> 3477-3495	complementary to <i>KIAA0404</i>
Atg94	GAAATTGAGATGGTGCAGGATCCACAGTTGAAGTG	<i>ATG9</i> 2994-	introduces BamHI site after <i>ATG9</i> orf
Atg93	GGAATTCCCGATCCCATGGAGAGAGATGAATAC	<i>ATG9</i> 1-18	introduces NcoI site in start codon of <i>ATG9</i> orf