

**Fig. S4. sequence information of LncRNA-ENSGALT0000046546**

ENSGALT0000046546.txt	.....	0
5'-RACE-PCR.txt	<b>CTGTCTCTCTTCGCTATTACGCCACGCTGGCGAAAAGGAGGGATGTGCTGCAAGGCCGATTAAGTTGGGTAACGCCAGGGGTTTCCCACTCACGACT</b>	100
Consensus		
ENSGALT0000046546.txt	.....TATTAT...TAAGCCAACTCGGGCAGGAGC...GGTCTTTTGGCGGTGGCGCTCGGGC	54
5'-RACE-PCR.txt	<b>TGTAAAACGACGCCCAAGTGAATTCGAAAACGACTCATATATGGGCAAGCACTGCTATCAATGCAAGACTACATGGGGTCTTTCCGGCGTGGCGCTCGGGC</b>	200
Consensus	ctata aagc g gt a gc gag gg tttcggcggtggcgctcgggc	
ENSGALT0000046546.txt	<b>GGTGTGGGTGTAGGCTGAGCTCGTTGTGAAGAGCAACGAGGAAGTCTGCTGCTGCCCGCCGCTCCTCTCCTGCCTCAGGCTGAGAGGGCTCCCC</b>	154
5'-RACE-PCR.txt	<b>GGTGTGGGTGTAGGCTGAGCTCGTTGTGAAGAGCAACGAGGAAGTCTGCTGCTGCCCGCCGCTCCTCTCCTGCCTCAGGCTGAGAGGGCTCCCC</b>	300
Consensus	ggtgtgggtgtaggctgagctcgttgaagagcaaacgaggaagtctcgtgctgcccgccgctcctctcctgcttcaggctgagagggctcccc	
ENSGALT0000046546.txt	<b>GCGGTGCCTTCGGGTGAAGCCGTGCCTTGTGGCCGCTGTCAGGCGGGGGCTATGCTGCAGCCGGGCTCGGCTCTGGGATGGCCGGC</b>	254
5'-RACE-PCR.txt	<b>GCGGTGCCTTCGGGTGAAGCCGTGCCTTGTGGCCGCTGTCAGGCGGGGGCTATGCTGCAGCCGGGCTCGGCTCTGGGATGGCCGGC</b>	400
Consensus	gcygtgccttcgggtgaagccgtgccttgcggcgtgttgcggcctcaggcggggcgtatgctgcagccggcctcggtctgggatggccggc	
ENSGALT0000046546.txt	<b>ACGGCGGGCCCTCTGCGCTTTGTTGTCGAGGCCAGCGAGGGAAGCGGGGCTGAGGGTACGGCCGGCCCTGAGGCTCGTATGGCGAGGACGA</b>	354
5'-RACE-PCR.txt	<b>ACGGCGGGCCCTCTGCGCTTTGTTGTCGAGGCCAGCGAGGGAAGCGGGGCTGAGGGTACGGCCGGCCCTGAGGCTCGTATGGCGAGGACGA</b>	500
Consensus	acggcggcggcctctgcgcttggttgctcagggcagcgaggaagcggggctgtagggatcggccgcgctgtaggctcgatgagcgaggaaga	
ENSGALT0000046546.txt	<b>GGAGGAGAAAACAAGCAAAAGGGTGGGATGAAAAGATTTTCCATCTTGA AAAACCGAAGAGAGGGCATGACTGTGGCAGACTCCAGAGTCTCAA</b>	454
5'-RACE-PCR.txt	<b>GGAGGAGAAAACAAGCAAAAGGGTGGGATGAAAAGATTTTCCATCTTGA AAAACCGAAGAGAGGGCATGACTGTGGCAGACTCCAGAGTCTCAA</b>	600
Consensus	ggagagaaaaacaagcaaaagggtaggatgaaaaagatttccatcttga aaaacccaagagagggcatgtagtggcagactccagaggtctcaaa	
ENSGALT0000046546.txt	<b>AGCCCGAGGAGGAAAAATTGAGATACCTTTTCTTCATGCAGTTACACGTGAGGACAAGTCTGACTTGTGTGCAGTCCCTTCAGATGTTGAAGATCAT</b>	554
5'-RACE-PCR.txt	<b>AGCCCGAGGAGGAAAAATTGAGATACCTTTTCTTCATGCAGTTACACGTGAGGACAAGTCTGACTTGTGTGCAGTCCCTTCAGATGTTGAAGATCAT</b>	700
Consensus	agcccgaggagaaaaattgagataccttttcttcacgagttacacgtgaggacaagctctgagttgtgtgcagttcccttcagatgttgaagatcat	
ENSGALT0000046546.txt	<b>GCTTGAATTTAGAAATTTCTAGCAAGCCTGGCTACAGAAAAGAAATGGTTTAGCATTGTGCTTCAAGATGCTGAGGACTCCATCTTATTCACACATG</b>	654
5'-RACE-PCR.txt	<b>GCTTGAATTTAGAAATTTCTAGCAAGCCTGGCTACAGAAAAGAAATGGTTTAGCATTGTGCTTCAAGATGCTGAGGACTCCATCTTATTCACACATG</b>	800
Consensus	gcttgaatttagaatttctagcaagcctggctacagaaaagaatggtttagcattgtgcttcaagatgctgaggactccatcttattcacacatg	
ENSGALT0000046546.txt	<b>GATTCAAGCAAGTGCAGCCAAATGAGAGTGGCGTAAATCTTCCCTCCACAAAGTAATCTCAGCTTGTGCTTTTACACCCATGTTCTGAAGCACTTG</b>	754
5'-RACE-PCR.txt	<b>GATTCAAGCAAGTGCAGCCAAATGAGAGTGGCGTAAATCTTCCCTCCACAAAGTAATCTCAGCTTGTGCTTTTACACCCATGTTCTGAAGCACTTG</b>	900
Consensus	gattcaagcaagctgcagccaatgagagtgcggttaattcttccctccacaagtaattcagcttgtgctgttttccacccatgttctgaagcaactg	
ENSGALT0000046546.txt	<b>TTTTGACCACGTTTACCACGTGGCTAAGAAGGTTTAAAAAGAAGAACAATAAGTATGCTATCTGCAAGTCTGAAATAATGCTTTTAAACATCTTAGGAT</b>	854
5'-RACE-PCR.txt	<b>TTTTGACCACGTTTACCACGTGGCTAAGAAGGTTTAAAAAGAAGAACAATAAGTATGCTATCTGCAAGTCTGAAATAATGCTTTTAAACATCTTAGGAT</b>	1000
Consensus	ttttgaccacgtttaccacgtggctaagaaggtttaaaaaagaagaacaataagtagctatctgcaagctgaaataatgctttttaaactcttaggat	
ENSGALT0000046546.txt	<b>CTAGGATGTTGTGTGCTGTGGATATGAGAATTTGGGGTTTTCTTAACCTTAAACAATGAAATGTGGAAGCTTGCTTCCTACCTCACTCCCTCTCTGGGA</b>	954
5'-RACE-PCR.txt	<b>CTAGGATGTTGTGTGCTGTGGATATGAGAATTTGGGGTTTTCTTAACCTTAAACAATGAAATGTGGAAGCTTGCTTCCTACCTCACTCCCTCTCTGGGA</b>	1100
Consensus	ctaggatgttgtgtgctgtggatagagaatttggggTTTTCTTAACCTTAAACAATGAAATGTGGAAGCTTGCTTCCTACCTCACTCCCTCTCTGGGA	
ENSGALT0000046546.txt	<b>CTTAAATCTTTTACCTGCTAAGCAGCAGGCTCTCTTATGTTTGGTTGCTGCTCTTCAAGTGTGTTGGTCTTGGCTCTTTTCCAC...TAAATGTG</b>	1051
5'-RACE-PCR.txt	<b>.....AGCCAAAGCAATCTGCTCAAGGCTGCTTCCCTGCTGAAATGTTTCCCTGCTCAAAATTCAGGCTGCAAGTCTGAGGCTGGAGCAATAAGTGTG</b>	1195
Consensus	a c c a g agc t ggtt ttgt a c tca tt c c t c c a taa gtg	
ENSGALT0000046546.txt	<b>AAAGTTGCGCGGAGCGCTTATGAGTCTGAAATAGCTTTGCTTGGATGTGAGTCAATTTCTCTCCATATGTAAGTCTGAGTCTGAAACCAATCACTTGTGTA</b>	1150
5'-RACE-PCR.txt	<b>AAAGSCTTGGGCTTGCCTAATGAGTGTG.....</b>	1222
Consensus	aaag gg gg gc t atgagtg	
ENSGALT0000046546.txt	<b>AAACACTGTCCATGTTATTAGTGACGAATGAAACTTGGTCTCTGGGATGTGAGTCAATGGTAAAGTCTGCTGCAAGTCTGCTCCAGTCTGCT</b>	1250
5'-RACE-PCR.txt	<b>.....</b>	1222
Consensus		
ENSGALT0000046546.txt	<b>TAAATGGGGTGTGAGAGCAATAACTGGTAAACATCGTGGGTTTTTTCAAAAGICTTTATTGAAATAAAGTCTGAGCTAGTCTC</b>	1336
5'-RACE-PCR.txt	<b>.....</b>	1222
Consensus		

**Fig.S4A. LncRNA-ENSGALT0000046546-5 'RACE PCR sequence alignment results**

ENSGALT00000046546.txt	TCTATATAAGCGAAGTCGGGAGCGGAGCGGCTCTTCGGCGTGGCGCTCGCGGGTGTGGGTGTAGGCTGAGCTCGTTGTGAAGCAAAACGAGGAAG	100
3'-RACE-PCR.txtRC	.....	0
Consensus		
ENSGALT00000046546.txt	TCTCGTGCCTGCCGCCCTCTCTCTGCGCTCAGGCTGAGAGGGCTCCCGCGGTGCCTTCGCGTGAAGCCGTGCCTTGCGCGGCTGTTCGCGG	200
3'-RACE-PCR.txtRC	.....	0
Consensus		
ENSGALT00000046546.txt	TCTCAGGCGCGGGCTATGCTGCAGCCGGGCTCGGCTTGGGATGGGCGCGACGGCGGGCCCTCGCCGTTTGTTCGAGCCGAGCGAGGGA	300
3'-RACE-PCR.txtRC	.....	0
Consensus		
ENSGALT00000046546.txt	GGCGGGTCTGAGGTCACGGCCGGCTCTGAGGCTGATGCGGAGGACGAGGGACAAACCAACCAAGGTCGGATGAAABAGATTTTCC	399
3'-RACE-PCR.txtRC	.....ACACCTTTTATGCTTCCGCTCCTATGCTGTTGGATTGTGACGGATTAACATTTGACCGAAGCTATGACCAAGATACCGCTG	88
Consensus	a gc cc g g gt g gga g gga aa aa ac ag g atga a gat c	
ENSGALT00000046546.txt	TCTTCAAAAACCAAGAGAGAGGCATGTAGTGATGGCAGACTCCAGAGGTCTCAAAAAGCCGAGGAGAAAATGAAAGTACTTTTCTTCATGCAGT	497
3'-RACE-PCR.txtRC	CTTC.....TCCGAGAGAGGCATGTAGTGATGGCAGACTCCAGAGGTCTCAAAAAGCCGAGGAGAAAATGAAAGTACTTTTCTTCATGCAGT	182
Consensus	cttg g agagagagcatgtagt tggcagactcc agaggtctcaaaaagccgaggagaaaaattgaagatcttcttctcatgcagt	
ENSGALT00000046546.txt	TACACGTGAGGACAAGCTGAGTGTGTGTCAGTTCCTTCAGATGTTGAAGATCATGCTTGAATTCAGAAATTTAGCAAGCCTGGCTACAGGAAAAG	597
3'-RACE-PCR.txtRC	TACACGTGAGGACAAGCTGAGTGTGTGTCAGTTCCTTCAGATGTTGAAGATCATGCTTGAATTCAGAAATTTAGCAAGCCTGGCTACAGGAAAAG	282
Consensus	tacacgtgaggacaagtctgagttgtgtgagctcccttcagatgttgaagatcatgcttgaattctagaattctagaagcttgcctacaggaagaa	
ENSGALT00000046546.txt	AAATGGTTAGCATTTTGTGCTCAAGATGCTGAGGACTTCCATCTTATTACACATGGATTCAAGCAAGCTGCAGCCAAATGAGAGTCCGCTTAATCTTTC	697
3'-RACE-PCR.txtRC	AAATGGTTAGCATTTTGTGCTCAAGATGCTGAGGACTTCCATCTTATTACACATGGATTCAAGCAAGCTGCAGCCAAATGAGAGTCCGCTTAATCTTTC	382
Consensus	aaatggtttagcatttgtgcttcaagatgctgaggaactccatcttattcacacatggattcaagcaagctgcagccaatgagagtcgctgtaatctttc	
ENSGALT00000046546.txt	TTTCTCAACTAATCTCAGCTTGTGCTGTTTTCACACCCATGTTCTGAAGCACTTGTTTGACCCAGCTTTACCACGTGGCTAAAGGTTTAAAAAGAA	797
3'-RACE-PCR.txtRC	TTTCTCAACTAATCTCAGCTTGTGCTGTTTTCACACCCATGTTCTGAAGCACTTGTTTGACCCAGCTTTACCACGTGGCTAAAGGTTTAAAAAGAA	481
Consensus	cttctcaagaatactcagcttgtgctgttttcacacccatgttctggaagcactgttttgaccacgtttaccacgtgggctaa aaggttataaaaagaa	
ENSGALT00000046546.txt	GAACACTAAGTATGCTATCTGCAACTCTGAATAATGCTTTTAAACATCCTAGGATTAGGATGTTGTTGCTGTGATATGAGAAATTTGGGGTTTTTC	897
3'-RACE-PCR.txtRC	GAACACTAAGTATGCTATCTGCAACTCTGAATAATGCTTTTAAACATCCTAGGATTAGGATGTTGTTGCTGTGATATGAGAAATTTGGGGTTTTTC	581
Consensus	gaacactaagtatgctatctgcaagtctgaaataatgctttttaaactcctaggat taggatgttgttctgtggtatgagaatttgggggttttc	
ENSGALT00000046546.txt	TTAACCTTAAACAATGAAATGTGAAGCTTGGTTCCTACTCTCTTCTGGCACTTAAATCTTTACACTGCTAAAGCAGCAGCGCTGTGTTTGT	997
3'-RACE-PCR.txtRC	TTAACCTTAAACAATGAAATGTGAAGCTTGGTTCCTACTCTCTTCTGGCACTTAAATCTTTACACTGCTAAAGCAGCAGCGCTGTGTTTGT	681
Consensus	ttaaccttaacaatgaaatgtggaagcttgcctctacc cactcctctctggcacttaaatcttttaactgctaagcagcagcgtctgt gtgt	
ENSGALT00000046546.txt	TTGGTTGTCAGTCTTCACTGCTTGGCTCTGCTCCTTTTCCAATAATGCGAAAGTGGGAGGAGCGTTATCACTGTGAAATAGCTTTGCCTTGAG	1097
3'-RACE-PCR.txtRC	TTGGTTGTCAGTCTTCACTGCTTGGCTCTGCTCCTTTTCCAATAATGCGAAAGTGGGAGGAGCGTTATCACTGTGAAATAGCTTTGCCTTGAG	781
Consensus	ttggttgcagctcttccagtgcttgcctctgtctcctttccaactaatgtggaagttgggagagcgcttatgagtgtaaatagctttgccttgag	
ENSGALT00000046546.txt	TCATTTTCTTCCATATTGACTGTAGCTCGTAAACCATAATCACTTGTTTGAAAACACTTGCATTGTATTAGTGACGAATGACACTTGGTGTCTTG	1197
3'-RACE-PCR.txtRC	TCATTTTCTTCCATATTGACTGTAGCTCGTAAACCATAATCACTTGTTTGAAAACACTTGCATTGTATTAGTGACGAATGACACTTGGTGTCTTG	881
Consensus	tcattt tcttccatattgtactgtagctcgtaaaccataatcactgtttgaaaacacttgcattgtattagtgacgaatga acttgggtcctcttg	
ENSGALT00000046546.txt	GGATGTGTGAGTCATGGGTAAGTCTGAATCTCAAGTGTCTGCCAGTGTCTTAATGGGGTGTGCAGAGCAGTAACATGGTAACATCGTGGTTTTGTG	1297
3'-RACE-PCR.txtRC	GGATGTGTGAGTCATGGGTAAGTCTGAATCTCAAGTGTCTGCCAGTGTCTTAATGGGGTGTGCAGAGCAGTAACATGGTAACATCGTGGTTTTGTG	981
Consensus	ggatgtgtgagtcatgggtaagtctgaatctca agtgtctgtccagtgtctttaatggggtgtgcagagcagtaacatggtaacatcgtgggtttgtg	
ENSGALT00000046546.txt	AAAAGTCTTTATTGAATAAAGTGTCTGAGCTAGTCTCTC.....	1337
3'-RACE-PCR.txtRC	AAAAGTCTTTATTGAATAAAGTGTCTGAGCTAGTCTCTCTCAATACAAAAAATAAATAAGAAAAAAGTACTCTGCTGTATACCCTGCTG	1081
Consensus	aaaagtctttatttgaataaagtgtctgagctagttctct	
ENSGALT00000046546.txt	.....	1337
3'-RACE-PCR.txtRC	CCCTATAGGAGTGTGCC	1099
Consensus		

**Fig.S4B.** LncRNA-ENSGALT00000046546-3 'RACE PCR sequence alignment results

ENSGALT0000046546.txt	TCATATAGCGGAAGTCGGGAGCGGAGCGCTTTCCGGCTGGCGCTCGCGGGCTTGGGTAGGCTGAGCTGTTGTGAAGCAACGAGGAAG	100
ENSGALT0000046546-RACE-PCR.txt	TCATATAGCGGAAGTCGGGAGCGGAGCGCTTTCCGGCTGGCGCTCGCGGGCTTGGGTAGGCTGAGCTGTTGTGAAGCAACGAGGAAG	100
Consensus	tctatataagcggaaagtcgggagcggagcggctttccggcctggcgctcggcggtgttgggttaggctgagctggttgaagcaaacgaggaaag	
ENSGALT0000046546.txt	TCCTGCTGCTGCCCGCCGCTCCTCTCTGCTTCAGGCTGAGGAGGCTCCCGCGGCTGCTCCGGTGAAGCGTGCCCTGTCGCGCTTTCGCG	200
ENSGALT0000046546-RACE-PCR.txt	TCCTGCTGCTGCCCGCCGCTCCTCTCTGCTTCAGGCTGAGGAGGCTCCCGCGGCTGCTCCGGTGAAGCGTGCCCTGTCGCGCTTTCGCG	200
Consensus	tctcgtgctgctgcccgccgctcctctctgcttccagctgagagggtcccgcggtgcttccggtgaagcgtgctctgctgctgctgctgctg	
ENSGALT0000046546.txt	TCAGGCGCGCGCTATGCTCAGCGCGGCTCGGCTCTGGATGGCCCGCAGCGCGCGGCTCTGCCGTTTGTTCAGGCGCGAGGAGGAA	300
ENSGALT0000046546-RACE-PCR.txt	TCAGGCGCGCGCTATGCTCAGCGCGGCTCGGCTCTGGATGGCCCGCAGCGCGCGGCTCTGCCGTTTGTTCAGGCGCGAGGAGGAA	300
Consensus	tctcaggcgcgggctatgctcagcgggctcggctctggatggcccgacgcgcgcgctctgctgctggttctcagcgcgagcgaggaa	
ENSGALT0000046546.txt	GGGGGCTGTGAGGTTACGGCCGCGCTGTAGGCTCGTATGGCGGAGGACGAGGAGGAGAAAACAAGCAAAAGGTTGGATGAAAAGATTTCCAT	400
ENSGALT0000046546-RACE-PCR.txt	GGGGGCTGTGAGGTTACGGCCGCGCTGTAGGCTCGTATGGCGGAGGACGAGGAGGAGAAAACAAGCAAAAGGTTGGATGAAAAGATTTCCAT	400
Consensus	ggcgggtctgtagggtacggccgcgctgtaggctcgtatggcgaggacgaggaggagaaaaaacaagcaaaagggtggatgaaaaagattttccat	
ENSGALT0000046546.txt	CTGAAAACCGAAGAGAGGAGCATGATGTGGCAGACTCCAGAGCTCAAAAGCCGAGGAGAAAATTGAAGTACTTTTTTCATGCAGTTAC	500
ENSGALT0000046546-RACE-PCR.txt	CTGAAAACCGAAGAGAGGAGCATGATGTGGCAGACTCCAGAGCTCAAAAGCCGAGGAGAAAATTGAAGTACTTTTTTCATGCAGTTAC	500
Consensus	cttgaaaaacccaagagagagagcattgatgtggcagactccagagctcaaaaagccgaggagaaaaattgaaatgactttttcattgagttac	
ENSGALT0000046546.txt	ACGTGAGGCAAGCTCAGTTTGTGCACTCCCTCAGATGTTGAAGTATGCTTGAATTTAGAAATTTAGCAAGCTGGCTCAGGAAAAGAAA	600
ENSGALT0000046546-RACE-PCR.txt	ACGTGAGGCAAGCTCAGTTTGTGCACTCCCTCAGATGTTGAAGTATGCTTGAATTTAGAAATTTAGCAAGCTGGCTCAGGAAAAGAAA	600
Consensus	acgtgaggcaagctcagtttgtgcaactccctcagatgttgaaagtatgcttgaatttgaaatttagcaagctggctcaggaaaagaaa	
ENSGALT0000046546.txt	TGTTAGCATTTTGCTTCAAGTGTGAGGACTTCCATCTTATTCACACATGGATTCAAGCAAGCTGCAGCCAATGAGAGTGGTGAATTTCCCT	700
ENSGALT0000046546-RACE-PCR.txt	TGTTAGCATTTTGCTTCAAGTGTGAGGACTTCCATCTTATTCACACATGGATTCAAGCAAGCTGCAGCCAATGAGAGTGGTGAATTTCCCT	700
Consensus	tgtttagcattttgcttcaagtgtgagacttccatttattcacacatggattcaagcaagctgcagccaatgagagtggtgaatcttccct	
ENSGALT0000046546.txt	CCTCAAGTAATCTCAGCTGTGCTGTTTTACACCCATGTTCTGAAGCAGTTGTTGACACAGTTTACCAGCTGGTGAAGGTTTAAAAGAAAGA	800
ENSGALT0000046546-RACE-PCR.txt	CCTCAAGTAATCTCAGCTGTGCTGTTTTACACCCATGTTCTGAAGCAGTTGTTGACACAGTTTACCAGCTGGTGAAGGTTTAAAAGAAAGA	800
Consensus	cctcaagtaatctcagctgtgctgTTTTACACCCATGTTCTGAAGCAGTTGTTGACACAGTTTACCAGCTGGTGAAGGTTTAAAAGAAAGA	
ENSGALT0000046546.txt	CACTAAGTATGCTATCGAAGTCTGAATAATGTTTTAAACATCCTAGGATCTAGGATGTTGTTGCTGTGGATAGGAATTTGGGGTTTTCTTA	900
ENSGALT0000046546-RACE-PCR.txt	CACTAAGTATGCTATCGAAGTCTGAATAATGTTTTAAACATCCTAGGATCTAGGATGTTGTTGCTGTGGATAGGAATTTGGGGTTTTCTTA	900
Consensus	cactaagtatgctatcgaagctgaataatgTTTTAAACATCCTAGGATCTAGGATGTTGTTGCTGTGGATAGGAATTTGGGGTTTTCTTA	
ENSGALT0000046546.txt	ACCTTAAACAATGAAATGGGAGCTTGCCTTCACTACCTCCTTCTGGCACTTAAATCTTTTACACTGCTAAGCAGCAGCGCTGTTGTTGTTG	1000
ENSGALT0000046546-RACE-PCR.txt	ACCTTAAACAATGAAATGGGAGCTTGCCTTCACTACCTCCTTCTGGCACTTAAATCTTTTACACTGCTAAGCAGCAGCGCTGTTGTTGTTG	1000
Consensus	accttaacaatgaaatgggagcttgccttCACTACCTCCTTCTGGCACTTAAATCTTTTACACTGCTAAGCAGCAGCGCTGTTGTTGTTG	
ENSGALT0000046546.txt	GTTCAGCTTTTCACTGCTTCTGCTCCTTTTCCAACTAATGGGAAAGTTGGAGAGGCGTTTAGAGTGTGAATAGCTTTGCCITGAGTCA	1100
ENSGALT0000046546-RACE-PCR.txt	GTTCAGCTTTTCACTGCTTCTGCTCCTTTTCCAACTAATGGGAAAGTTGGAGAGGCGTTTAGAGTGTGAATAGCTTTGCCITGAGTCA	1100
Consensus	gttgcagcttttcactgcttctgctcctTTTCCAACTAATGGGAAAGTTGGAGAGGCGTTTAGAGTGTGAATAGCTTTGCCITGAGTCA	
ENSGALT0000046546.txt	TTTCCTTCCATATTGACTGTAGCTGTAACCAATCACTTGTGGAAACACTTGTCCATTGATTAAGCAAAATGAACTTGGCTCTTGGGA	1200
ENSGALT0000046546-RACE-PCR.txt	TTTCCTTCCATATTGACTGTAGCTGTAACCAATCACTTGTGGAAACACTTGTCCATTGATTAAGCAAAATGAACTTGGCTCTTGGGA	1200
Consensus	tttctctccatttgaactgtagctgtaaccataatcactgtttgaaacacttgcattgtatagtgcgaatgaaactggtgctctggga	
ENSGALT0000046546.txt	TGTGTAGTATGGTAACTGAAATCTCAAGTGTCTGTCCAGTCTGTAAATGGGTGTGCAGAGCAGTAACTGTTAATCGTGGGTTTTGTCAA	1300
ENSGALT0000046546-RACE-PCR.txt	TGTGTAGTATGGTAACTGAAATCTCAAGTGTCTGTCCAGTCTGTAAATGGGTGTGCAGAGCAGTAACTGTTAATCGTGGGTTTTGTCAA	1300
Consensus	tgtgtagtattggtaaactgaaatctcaagtgtctgtccagtctgtaaatgggtgtgcagagcagtaactggtgaaactggtgggttctgcaaa	
ENSGALT0000046546.txt	AGCTTTATTGAATAAAGTGTGTGCTAGTTCTG.....PCATACCTGAGTCTAGAGGCGCGTTTAAACCCGTGATCAGCTCGACTGTGCTTCTAG	1337
ENSGALT0000046546-RACE-PCR.txt	AGCTTTATTGAATAAAGTGTGTGCTAGTTCTG.....PCATACCTGAGTCTAGAGGCGCGTTTAAACCCGTGATCAGCTCGACTGTGCTTCTAG	1400
Consensus	agctttattgaaataaagtgtgtgctagttctG.....PCATACCTGAGTCTAGAGGCGCGTTTAAACCCGTGATCAGCTCGACTGTGCTTCTAG	
ENSGALT0000046546.txt	.....	1337
ENSGALT0000046546-RACE-PCR.txt	.....	1500
Consensus	.....	
ENSGALT0000046546.txt	.....	1337
ENSGALT0000046546-RACE-PCR.txt	CAATGCTGAGTAGTGTCTATTCTATTTGGGGTGGGGTGGGCGAGACAGCAGGGGGAGGATTGGGAAGCAATAGCAGCTGTTGGGATCGGGTG	1600
Consensus	CAATGCTGAGTAGTGTCTATTCTATTTGGGGTGGGGTGGGCGAGACAGCAGGGGGAGGATTGGGAAGCAATAGCAGCTGTTGGGATCGGGTG	
ENSGALT0000046546.txt	.....	1337
ENSGALT0000046546-RACE-PCR.txt	GGCTCTATGCTTCTAGCGGGAAGACCAAGCTGGGGTCTAGGGGGTATCCCCACGCGCCTGTAGCGCGCATTAAGCGCGCGGGGCTGTGGTGTAC	1700
Consensus	GGCTCTATGCTTCTAGCGGGAAGACCAAGCTGGGGTCTAGGGGGTATCCCCACGCGCCTGTAGCGCGCATTAAGCGCGCGGGGCTGTGGTGTAC	
ENSGALT0000046546.txt	.....	1337
ENSGALT0000046546-RACE-PCR.txt	GGCGAGCTGACCGCTACACTTGGCAGCGCCCTAGCGCCGCTCTTCCGCTTCTTCCCTTCCAT	1766
Consensus	GGCGAGCTGACCGCTACACTTGGCAGCGCCCTAGCGCCGCTCTTCCGCTTCTTCCCTTCCAT	

Fig.S4C. LncRNA-ENSGALT0000046546 full-length amplification sequence alignment results