

## SUPPLEMENTARY TABLES

Supplementary Table 2. Sequences of primers for human genes analyzed by real-time PCR.

Real-time PCR prime	Sense (5'→3')	Antisense (5'→3')
TMEM106C	CGAAGAGGCTGGACATGACA	GGCTTCTTCCTGCTCTCGTT
GAPDH	CATCATCCCTGCCTCTACTGG	CTGGTGAATTTTACCGGGAAG
DLC-1	TCCTCTCCATCAGGCACACC	TCCGTGGACTCAGTGTGAGAAG
CENPM	CACGGAGGATGCTCTTCTGC	CACGATCAGGTCAATTCGGG

**Supplementary Table 3. Sequences of the inserted fragment in pcDNA-TMEM106C and pcDNA-DLC1 plasmids.**

TMEM106C ORF	<p>ATGGGGTCTCAGCATTCCGCTGCTGCTCGCCCCTCCTCCTGCAGGCGAAAGCAAGAAGATGA  CAGGGACGGTTTGCTGGCTGAACGAGAGCAGGAAGAAGCCATTGCTCAGTTCCCATATGTGG  AATCACCGGGAGAGATAGCATACCTGTCTCACGTGCCAGGGGACAGGCTACATTCCAACA  GAGCAAGTAAATGAGTTGGTGGCTTTGATCCACACAGTGATCAGAGATTGCGCCCTCAGCG  AACTAAGCAATATGTCCTCCTGTCCATCCTTGTCTCCTGGCATCTGGTTTGGTGGTTTC  TTCTGTTTTCCGCATTCAGTCTTGTGGATGATGACGGCATCAAAGTGGTGAAAGTACATTT  AATAAGCAAGACTCCCTTGTAAATTCTACCATCATGGCCACCCTGAAAATCAGGAACTCCAAC  TTCTACACGGTGGCAGTGACCAGCCTGTCCAGCCAGATTGAGTACATGAACACAGTGGTGAA  TTTTACCGGGAAGGCCGAGATGGGAGGACCGTTTTCCATGTGTACTTCTTCTGCACGGTACC  TGAGATCCTGGTGCACAACATAGTGATCTTATCGGAACTTCAGTGAAGATTCATACATTGGC  CTCATGACCCAGAGCTCCTTGGAGACACATCATACTGTGGATTGTGGAGGAAATCCACAGCT  ATTTAA</p>
DLC1 ORF	<p>ATGAAGCTAGAAATTAGTCTCATCGGAAACGAAGTGACGATTGACGAGGATGAGCCTTG  TGCCATCAGTGGCAAATGGACTTTCCAAAGGGACAGCAAGAGGTGGTCCCGGCTTGAAGAG  TTTGATGTCTTTTCTCCAAAACAAGACCTGGTCCCTGGGTCCCCAGACGACTCCCACCCGAA  GGACGGCCCCAGCCCCGGAGGCACGCTGATGGACCTCAGCGAGCGCCAGGAGGTGTCTTCC  GTCCGAGCCTCAGCAGCACTGGCAGCCTCCCCAGCCACGCGCCCCCAGCAGGATGATGCTG  CACCCCCGGACTAACTCCGTTCATCAGCGTTTGTCTCCAGCAACTTGGCAGGCAATGACG  ACTCTTTCGGCAGCCTGCCCTCTCCAAGGAACTGTCCAGCTTCAGCTTCAGCATGAAAGGC  CACGAAAAAACTGCCAAGTCCAAGACGCGCAGTCTGCTGAAACGGATGGAGAGCCTGAAGC  TCAAGAGCTCCCATCACAGCAAGCACAAAGCGCCCTCAAAGCTGGGGTTGATCATCAGCGGG  CCCATTTGCAAGAGGGGATGGATGAGGAGAAGCTGAAGCAGTCAACTGCGTGGAGATCTC  CGCCCTCAATGGCAACCGCATCAACGTCCCCATGGTACGAAAGAGGAGCGCTTTCCAACCTCA  CGCAGACCAGCAGCAGCAGCAGCCAGTCCGAGACCAGCAGCGCGGTGAGCAGCAGCCAGCCC  TGTTACGAGGACCCGGAGCCTCAGTGCCTGCAACAAGCGGGTGGGCATGTACTTAGAGGGCT  TCGATCCTTTCAATCAGTCAACATTTAACAACGTGGTGGAGCAGAACTTTAAGAACC GCGAG  AGCTACCCAGAGGACACGGTGTCTACATCCCTGAAGATCACAAGCCTGGCACTTTCCCAA  AGCTCTACCAATGGCAGTTTCTCCCCCTCGGGGAATAACGGCTCTGTGAATGGAGGACGG  GAAGCTTCCACGGCCCTGGCCACATCAGCCTCAGGAGGAAAAACAGTAGCAGCAGCCCAA  GGAACCTGAAGAGACGCAATTCTTCCAGCTCCATGAGCAGCCGCTGAGCATCTACGACAACG  TGCCGGGCTCCATCCTCTACTCCAGTTCAGGGGACCTGGCGGATCTGGAGAACGAGGACATC  TTCCCCGAGCTGGACGACATCCTCTACCACGTGAAGGGGATGCAGCGGATAGTCAATCAGTG  GTCGGAGAAGTTTTCTGATGAGGGAGATTTCGGACTCAGCCCTGGACTCGGTCTCTCCCTGCC  CGTCTCTCCAAAACAGATACACCTGGATGTGGACAACGACCCGAACCCAGCAGCAGCAGCTG  GACAGCAGGCAACTCCCTGAATGAACCGAAGAGCCCTCCGAGATCCCGGAAAGAAGGG  ATTCTGGGGTTGGGGCTTCCCTAACCAGGTCCAACAGGCACCGACTGAGATGGCAGATTTCC  CAGAGCTCACATCGGCCAAGCCTCAACTCTGTATCACTACAGATTAAGTCCAGTCTGTGGCC  CAGATGAACCTGCTGCAGAAATACTCACTCCTAAAGCTAACGGCCCTGCTGGAGAAATACAC  ACCTTCTAACAAGCATGGTTTTAGCTGGGCCGTGCCAAGTTCATGAAGAGGATCAAGGTTCC  AGACTACAAGGACCGGAGTGTGTTTGGGGTCCCAGTACGGTCAACGTGCAGCGCACAGGA  CAACCGTTGCCTCAGAGCATCCAGCAGGCCATCGCATACCTCCGGAACCTGTTGGATCAG  GTTGGGCTCTTCAGAAAATCGGGGTCAAGTCCCGGATTGAGGCTCTGCGCGATGATGAATGA  AGGTGCCATAGACTGTGTCAACTACGAAGGACAGTCTGCTTATGACGTGGCAGACATGCTGA  AGCAGTATTTTCGAGATCTTCTGAGCCACTAATGACGAACAACTCTCGGAAACCTTTCTAC  AGATCTACCAATATGTGCCAAGGACCAAGCGCCTGCAGGCCATCAAGGCTGCCATCATGCTGC  TGCTGACGAGAACCGGGAGGTTCTGCAGACCCTGCTTTATTTCTGAGCGATGTCACAGCA  GCCGTAAGAAAACAGATGACCCAACTGACCCCTGCGGTGTGCTTAGCGCTTCCCTCTT  CCATCTCAACACCTGAAGAGAGAGAATTCCTCTCCAGGGTAATGCAAAGAAAACAAGTT  TGGGCAAACCAGATCAGAAAGATTTGAATGAAAACCTAGCTGCCACTCAAGGGCTGGCCCAT  ATGATCGCCGAGTGCAAGAAGCTTTTCCAGGTTCCCGAGGAAATGAGCCGATGTCGTAATTCC  TATACCGAACAAGAGCTGAAGCCCCCTCACTCTGGAAGCACTCGGGCACCTGGGTAATGATGA  CTCAGCTGACTACCAACACTTCCCTCCAGGACTGTGTGGATGGCCTGTTAAAGAAGTCAAAG  AGAAGTTAAAGGCTGGGTCAAGTACTCCACTTCGAGCAGGCTGAGCTGCTTCCATAAGAAG  GTGAGCGAAGGACCCCCCTGAGGCTTTGGAGGTCAGTCATTGAAGTCCCTGCTGTGCCAGA  GGAAATCTTAAAGCGCCTACTTAAAGAACAGCACCTCTGGGATGTAGACCTGTTGGATTCAA  AGTGATCGAAATCTGGACAGCCAACTGAAATTTACCAGTATGTCCAAAACAGTATGGCACC  TCATCCTGCTCGAGACTACGTTGTTTAAAGAACCTGGAGGACTAATTTACCCAAAGGAGCCTG  TGCCCTTTTACTAACCTCTGTGGATCAGATCGCGCACCTGTGGTGGGTGAGGGTTAATGTG  GCTCTGTCCAGGTATTTGATTGAACCCCTGTGGCCAGGAAAATCCAAACTCACCTATATGTG  CAGATTTGACTTAAAGGGCCACATGCCAGAATGGTACACAAAATCTTTTGGACATTTGTGTGC  AGCTGAAGTTGTAAAGATCCGGGATTCCTTCAGTAACCAGAACACTGAAACCAAAGACACCA  AATCTAGGTGA</p>

**Supplementary Table 4. siRNA interference sequences of TMEM106C and CENPM.**

<b>TMEM106C</b>	<b>Start</b>	<b>Sequence</b>
	891	GAGAGCACAGCAUAUGUUC <sup>dTdT</sup>
<b>CENPM</b>	<b>Start</b>	<b>Sequence</b>
	607	GGAUGUCCAGUCAGGGCUU <sup>dTdT</sup>