**Supplementary Data Figure 4**



RP11-322M19.1 Corneal Epithelial (HCET) Transcript

 Exon 1

 Exon 2

 Exon 12

 Exon a

 Exon 13

 Exon 15

 Exon 16

 Exon b’

 Exon b

 Exon 3

 Exon 4

**TCTATGGTTTCCGCGGCTCGCTAGAAGGAGTGCGGTCCACTGGAGGTCTCCCTACATTCT**

**TCCTCCATTATCTCACTGCCTCCGGTGGCTGCTGGGATACCGGAGGACTCGGGTCCCGGC**

**TCGACTCAGTCCTCCAGCCGCCCGGGGAATACCTCTAGTTCTTCCCGGCCGCCGCCGCCT**

**CCGCCCCGCCGCTTCCTCCTCCGCCTGCCGGCCTCCTTCGCCCCGCCCCGTCCGCGCAGC**

**TCGTCCGGCCCGCCCGCAGGCCAGCTTCTCTCGGGAGCCTCCACCCAGGCGCATGGCTCC**

**ATGAAGCAAGAGGAGGAGGCAGAGCGCGAGAGATCCCGTCCGCCCCAGCCGCGTCTGGGC**

**CAGGAGAAAAGCAAAACCATATTCCTGCTGCTGTCAGTTTTGATGCACTGAGAAAACTTC**

**AGAGACCTAAGCTTTTTCCAGAGAAGAGAAGCTTTACTGGTGTTCCAGCCCTAAGCATTGACTTCACTAATGGATGTGACCTGGTTGGCAGCAGTAGCTTGCACAACATGCTTGTTTGCAAAACTTAAATCCTCAGTGTGACACAACTCAGTCCTTCTACTGCAGCAGCTCTTTTATAAAAGCCTCCCAAAGCTCCAAGAAGGAACAAAGAATGTGACCCAGTAAGCTCACACCATAAGTCTATATTGCAGAAACCTTTGTTCAACAAAACTGCAGATGCTCTGTTGAATCCACTGGAGATTGTCCTGATACTAAGGACAAGTATAGGCTCATATGACATTAACAGACAAGACACTTTTCAGAAAGACAGACAGCTCTTCAATCTTCAAGGGAACTGTGGAAGTAAACCAGGGGTGACATGGATTATCAAATATTGTGGATCAGATGGAGTCTCTCTGTCACCCAGACTGGAATGCAGTGGCATGATCTTGGTTCACTGAAACCTCTGCCTTTCTGGTTCAAGCAATTCTCATGTTTCAGCCTCCCAGGCAACGTGTTGGACCTTCCGGAGCTTCTCAGAAGACAGAGGGTTTTCTTTTGAG**TGTCCTTACCATTGAAGTACATCTTTACTGAAGATGCTGTTGGTGTCCTGTCCAGAATCTCTTCAATGAGCTGGCGTACTCATCCCTTAGCTGCTGAGAGTGTTGGCTGCTAATAGTTCACACTCTTTCCCTGAGGATTCCATTCAAGCCAACAATTTCAGAAAATGCCTGGAAGAGATGGGATCTCACTATGTTGTCCAGGCTGGCCTTGAACTCCTGGATTGAAGCGATCCTCCCGCCTTGGCCTCCCAAAGTGTCAATTACAAGTGTGAGCCACTGCACCCGCCCCTCATTCACTTATTTATTGACAAATGTTTACTGAGGTATTATCATATGTCAGGCATTTTTCTAGGCATTGGGAATATAGCAGTGTATAAACCTGATACTCACTGCCTTGATGGAGCGTAACTTCTGATTGTG**GCTGTTGTACAGTGGCCTGATTATAGCTCACTGTAGCCTCGAAATTCTGGGCCGAAATGATCCGCCTGCCTCAGCCTCCAAAGTAGCTGAGACTACAGGTATTGTTTGGGTTTTAATACAGACAAATCAACTCAATCAAAGAAACCAACTCAAAGAAAGATGGGTCTACATACAACAAAACTGAACAAAATCTGCAAGAAGAGTGATTCATACATGGGCTATTGAGGCAACATGAGATGGACATTAATCGACTAAGTAAAAAACAGATTTCTTGAAGAATTAATAAAGAACTTTTGTTTTGGAAACTCTGGAAGTCTCTCTTTGGCGAACACCTAGCCCCCAACTCCCAGGGCACTTCCCAGACAGCCAATGCCACATCCCAGGCAGCCCCTGCTCTGCCCTTGGGGTCTGTGCCTGGCAGAAGGGCGGCAGACCCTCGGCCCCTCTTGGCCTGGGCCCCAGCTCCTCCGGGCCCTGGAACCAGCAGAAACACCCACCCTGCGCCTGATGGACTGGACATGCTTGTTCCCATTGGTGATGGTGTGTTGGGAGGGAACTGTTTTAGAAACCAATGTAAATCTGTGTCTACATCA**

 Exon 6

 Exon 8

 Exon 11

**Reference sequence:** <http://useast.ensembl.org/Homo_sapiens/Gene/Summary?db=core;g=ENSG00000223482;r=10:87203875-87342612>