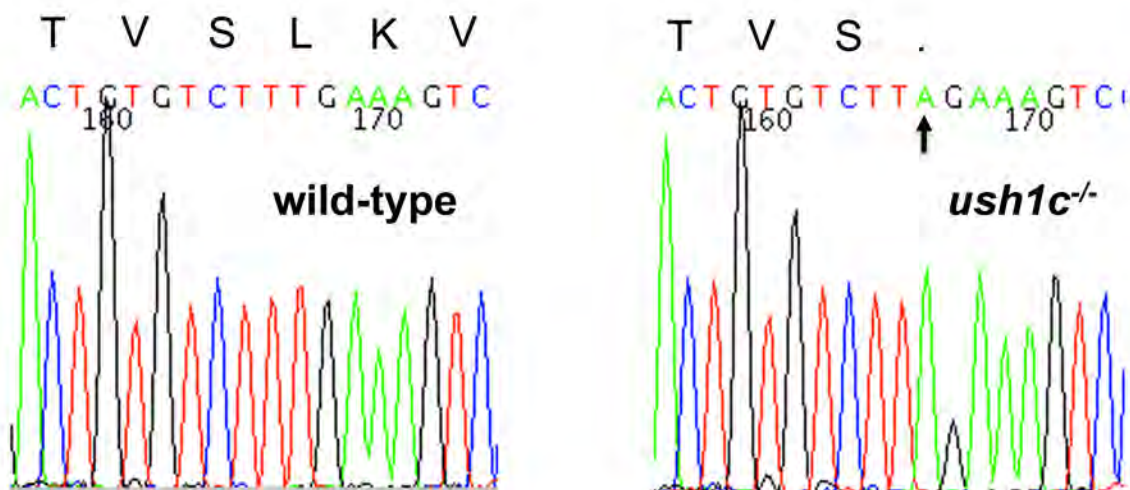


A



B

*ush1c*Exon1-3control
*ush1c*Exon1-3morphant

ATGGAAAGAAAAGTGGCCAGGGAATTTCCGCATAAGGTGGAGTTGCTTATTGATAATGAA
 ATGGAAAGAAAAGTGGCCAGGGAATTTCCGCATAAG-----

*ush1c*Exon1-3control
*ush1c*Exon1-3morphant

GCAGAGAAGGACTACCTTTATGATGTTCTTCGCATGTACCATCAATCCATGGACCTGCCT
 -----ATGGACCTGCCT

*ush1c*Exon1-3control
*ush1c*Exon1-3morphant

GTCCTTGTTGGTGACCTGAAGCTGGTAATAAATGAGCCCAAACGCCTTCCTTTGTT
 GTCCTTGTTGGTGACCTGAAGCTGGTAATAAATGAGCCCAAACGCCTTCCTTTGTT

C

Translation of exons 1-3

Control:

MERKVAREFRHKVELLIDNEAEKDYLVDV
 LRMVHQSM DLPVLV GDLKLVINEPKRLPL

Morphant:

MERKVAREFRHKNPWTCLSLLV T.

Supplemental Data Fig. S1. Analysis of mutant and morphant sequences.

(A) Partial sequences of wild-type and mutant cDNA sequences, showing the T485A substitution and resulting stop codon. (B) Control cDNA sequence aligned with morphant cDNA sequence showing the deletion of exon 2. (C) Comparison of resulting protein sequences showing multiple stop codons introduced by aberrant splicing in the morpholino. Start codons and f-Met residues are indicated in purple.