

Table S2. Sequences of oligo nucleotides

NAME	SEQUENCES	DESCRIPTION
<i>gRNA</i>		
TOMM7_gRNA3_iPSC	5' - GGAGCCAGTTTGCCATTCGC -3'	gRNA sequencing used for gene editing in iPSCs
tomm7_gRNA3_fish	5' - ATCCCCACTGTGCTCTATCT -3'	gRNA sequencing used for gene editing in zebrafish
<i>ssODN</i>		
TOM7_iPS PS-anti asymmetric ssODN	5' - GCTGTCTCCGCCACCCTCTTCCCTCCAGTCACTTTCCCGGTTCTTC TCCCACCTGACCCAGGTAAATCACAGAAGGATAAAGCCCCAACGGA TGGCAAACCTGGCTCCCCTTGAAGAGCTGCTGAAGTCTCTGCTTGGC CTCTTTGCTCAGCTTCACCATGGCGACGGCCGTG -3'	repair template for gene editing in iPSCs
<i>PCR</i>		
TOMM7_exon1_F	5' - CTTTCGGATTCCCGACG -3'	confirmation of TOM7 c.86C>T in patient's genomic DNA
TOMM7_exon1_R	5' - AAAATGGGGCTGCTGTCTC -3'	
T7_cDNA_Flp-In genotyping_F	5' - ATGGTGAAGCTGAGCAAAGA -3'	amplification of Flp-In sequences
lacZ_Flp In_ genotyping_R	5' - CCTTCCTGTAGCCAGCTTTCATCAA -3'	
TOMM7_ontargetPCR_F	5' - GGAAGAGCAGGGAAGGTTAAAGGCG -3'	amplification of CRISPR-targeted regions from genomic DNA in iPSCs
TOMM7_ontargetPCR_R	5' - CATCCAACCCTCCCTACAATCCCGAG -3'	
tomm7_ontargetPCR_F	5' - GATGATCGTTTACTTCCGTCCACAG -3'	amplification of CRISPR-targeted regions from genomic DNA in zebrafish
tomm7_ontargetPCR_R	5' - GTCATATCCGAGTTTCATAGACGC -3'	
<i>cloning</i>		
HindIII_3xmyc TOM7_F	5' - AAATTTAAGCTTGCCGCCATGGAGCAGAAACTCATCTCTGAAGAAG ATCTGGAACAAAAGTTGATTTTCAGAAGAAGATCTGGAACAGAAGCT CATCTCTGAGGAAGATCTGGTGAAGCTGAGC -3'	amplification of myc-tagged TOMM7 cDNA sequences
XhoI_STOP_TOM7_R	5' - ATATATCTCGAGCTATTATTATCCCCAAAGTAGGC -3'	construction of gRNA sequences into eSpCas9(1.1)-T2A-Puro plasmid
TOMM7 86C>T_Cas9 Cloning_F	5' - acaccGGAGCCAGTTTGCCATTCGC -3'	
TOMM7 86C>T_Cas9 Cloning_R	5' - aaaacGCGAATGGCAAACCTGGCTCC -3'	
<i>qPCR</i>		
qPCR_EGLN1_F	5' - GACCTGATACGCCACTGTAACG -3'	quantification of EGLN1 expression in iEndo cells
qPCR_EGLN1_R	5' - ACCTCCACTTACCTTGGCATC -3'	
qPCR_CHCHD2_F	5' - CTGCAGTTGGCTCTTCTGCT -3'	quantification of CHCHD2 expression in iEndo cells
qPCR_CHCHD2_R	5' - TTCCCTGAGGCTCCTGGTAAG -3'	
qPCR_APLN_F	5' - GATGGGAATGGGCTGGAAGAC -3'	quantification of APLN expression in iEndo cells
qPCR_APLN_R	5' - CCTCAGTCCTGCCTCAGAAAGG -3'	
qPCR_HK2_F	5' - CAAGTGCAGAAGGTTGACCAAGT -3'	quantification of HK2 expression in iEndo cells
qPCR_HK2_R	5' - CTCGGTGTCTGTCCCATCTG -3'	
qPCR_SLC16A3_F	5' - ACAGCCTGGATCTCCTCCAT -3'	quantification of SLC16A3 expression in iEndo cells
qPCR_SLC16A3_R	5' - AAACCAACCCCGTGATGAC -3'	
qPCR_SLC2A1_F	5' - ACTGTCGTGTCGCTGTTTGT -3'	quantification of SLC2A1 expression in iEndo cells
qPCR_SLC2A1_R	5' - AGGACCCACTTCAAAGAAGGC -3'	