

SVH-11	1	MRLFHFLKFLTINNFSRYCLKIVKVHIIWTTIICIIYFNWRFKKLDF-----MAIPYPPAVIKF	58
FuT2	1	MLVVQMPFSPFMAHFLFVFTVSTIFHVQORLAKIQAMWELPVQIPVVLASTSKALG	56
		<i>km86</i> (8 bp deletion) ▼PSVFYRKWVS (Stop)	
SVH-11	59	NTSAKYLSNNLASSSQLGNNIFRIASLYGLSKHLNRTLEFFIENGYHKKMDNLNRKTMPrLMEKFRILNG	129
FuT2	57	PSQLRGMWTINAI-GRLGNQMGFYATLYALAK-MNGREAF--IPAQMHSPLAPIFRITLP-----VLH	115
		<i>gk819958</i> ↓	
SVH-11	130	SVPRS--TSETKFQACCLKSPISLEKNRDEYLLLSCKIYQ-----SWKYFPNMRNELIE-----	183
FuT2	116	SATASRIPWQNY-----HLNDWMEI-----EYRHIPGEIVRFTGYPCSWTFYHHLRQEIILQEFTLHDHVR	175
SVH-11	184	----FINPNTSICIFGNLISDDQNHVTCVSRRGDFVEYL----FYASDPKFMKNAVTFLNENEKVGSS	243
FuT2	176	EEAQKFLR--GLOVNSRPF----GTFVGV--VRRGDYVHVMPKVWKGVVADRRYLOQALDWFRRARY--SS	236
SVH-11	244	RNRKIVLFGDDLNF----LETYFSDAHLSTVVGKNAEYYISQNPPIIDFLYSKNKCDVVLITAPRSTFGW	309
FuT2	237	LIF--VVTNSGMAWCRENIDISHSDVVFAGD-----GLEGSEAKDFALLTQCNHTIMTI----GTFGI	293
SVH-11	310	WIGYFSKGNKVYYLDIKVT--GHHIESGGLIASDYYSHWTPPKFASANSFTVVRS	364
FuT2	294	WAAYLTGSDTIYYLAN-VTLPQSPGLKIFKPEAAFLLEWGTGIAADLSP----LLKH	343

Figure S4. Comparison of amino acid sequences between SVH-11 and human FuT2.

Identical and similar residues are highlighted with black and gray shading, respectively. The positions of a splice site mutated in *svh-11* (*gk819958*) is indicated by an arrow. An arrowhead indicates the start position of the frameshift in the *svh-11* (*km86*) mutant.