

### Supplemental Table 3. Primers used in this study.

Primers are presented in uppercase where the primer binds directly to the template, and in lowercase-bold where new sequence is being introduced. F, forward sequence; R, reverse sequence.

Name	Use	Sequence (5' to 3')
TgLaf_3'UTR_sgRNA_F	sgRNA mutagenesis for TgLaf-HA epitope tagging	<b>tgaacagcag</b> GTTTTAGAGCTAGAAATA GC
TgLaf_3'UTR_sgRNA_R		<b>cacgctaagc</b> AACTTGACATCCCCATTTA C
TgLaf_exon5_homology_F	Generation of TgLaf-HA tagging construct	AGAGGAGGCGGAGGAGAG
TgLaf_3'UTR_HX+homology_R		TCCGTATCGCCCCCTCTCGTCTGACA CGCCCTCTTTCTCCAGCACGAAACC TTGCATTC
TgLaforin_sgRNA_E1_F	sgRNA for TgLaf-KO	<b>taacctacgc</b> GTTTTAGAGCTAGAAATAG C
TgLaforin_sgRNA_E1_R		<b>tcgggacttc</b> AACTTGACATCCCCATTTA C
NcGra7-DHFR*_Fwd-TgLaf_homology	Amplification of NcGra7-DHFR* flanked with 40-nt TgLaforin	<b>gtctcttttctgcgctctccctgctcgtagaa</b> <b>gg</b> CCACTCCATGGAACCTGACTG
NcGra7-DHFR*_Rev-TgLaf_homology		<b>gctctttccccattttctttctctcaggggtccg</b> CCTGCAAGTGCATAGAAGGAA
TgME49_ChromVI_sgRNA_F	sgRNA for ChromVI used in TgLaf complementation	<b>ctcacgatgc</b> GTTTTAGAGCTAGAAATAG C
TgME49_ChromVI_sgRNA_R		<b>acagaacggc</b> AACTTGACATCCCCATTT AC
TgLAF_WT_F	"PCR1": Figure 3A. Amplifies WT TgLaforin	TCCTACATTCTGGAGCGAAG
TgLAF_WT_R		AAAGCCACTTTCTCCAGGAG
DHFR*_R	"PCR2": Figure 3A. Amplifies $\Delta$ TgLaf chimeric locus in conjunction with TgLAF_WT_F.	GCATTATGAGGAAAGCCCAC
TgChromVI_WT_F	Amplification of WT Chrom VI locus: ("VI": Figure	CAGGAAATATGCTGCGAGGA
TgChromVI_WT_R		TGTGTCTGCTCTTGAAGGTG
TgLaf_COMP_F	Binds to HXGPRT cassette within complementation construct (derived from pHA3x_LICs	TGCAAGCCCTACATTGACAA