S4 Fig. Alignment of the partial nucleotide sequences of the exon 6 of the TO gene from reference sequence (Ref), uninjected wild type (WT), eye color mutants from CRISPR/Cas9 injections (IM). Nucleotides identical to the exon 6 of the reference sequence (accession: MF598173) are indicated by a dot (.) and alignment gaps are shown by a hyphen (-). Nucleotide that differ from the reference are indicated on each sequence. CRISPR RNA (crRNA) target sequences and protospacer adjascent motifs (PAM) are underlined with dotted lines and solid lines, respectively.

Ref ATCAGAACAAGAGCCAGCTCTACTAGCTCTGATC	GAGCGGTGGTTGGAGCGTACACCCGGCCTCAC	
WT		
тм 25	AA.	
	···	
тм 28 т		
тм 29 т	AGA	т
IM 30	G.GG.	······
TM 31		T
	GCTGCAGTCCACG	
тм 33		G-
	A	
	AG	
	C.CCGCCGCACCGAC	
	GCCCT. A. C	
	AG. GGG	
TM 40		A
	G	
	T.A	
IM 47		
IM 48ACTAGGT	'GGAGCTCAGACCGC	C
IM 50	G	AGG
IM 51G.GCACTTGG.GTG	GA.AGCT.GTTC.G.CAGATTCCGT	TTAT. TAG. T T. AC
IM 52 T.A.A. AC.GGC	GGGGG.AC.CCCC	CCCCCA.GTTA.A
IM 53		GA.GC
IM 54AAA.ACTAC.ACA.A	TGAG.GAA.GC.AC.C	T
IM 55GCGGG.GA.GCCC.A.TACAAC	GGGGGGACCCC.TCT	GG
IM 56		
IM 57		
	GGGGGAC	
IM 61	GAGGGC.G	
IM 62G	T	G
IM 63	GGGGA.GGACACACTCA	
IM 64	GG	
	CTAAC	
	GCTGCTATACACGGACTCATGA	
IM 68	AGCTGAGA	
IM 69	GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	
IM 70	TGAGGGGGGGGGGGAGAGCTCACCCACGGGCGCTT	
	GAGGGGGGTGTCG.CT	
	GTAGCCCTGACTGATGGGTGGATGGAACGTACGCC	
IM 24	CGCG	CATC.ATC.GC
	АСААСААСАА	
	-AACGGGCAGAGACGGTGGGGCGTGCCGG	
IM 77	TCTGAGGGGCGGTGGGGGGTCG	
	AACTTCGTTG-ATTT	
	'ATAT	AT
IM 83		
IM 84	GG A. GTCTCGCGGTTGCTGTCGGCC	
IM 84 IM 85		