

Table S1. Primers used for genomic DNA PCR to detect integrated channelrhodopsin (ChR2) and eYFP genes.

Primers	Sequences (5' to 3')
EYFP-FW	ACGTAAACGGCCACAAGTTC
EYFP-RV	AAGTCGTGCTGCTTCATGTG
SP PLENTI-SYN (ChR2)	GGTCCCTGAGGATCAATG
AS PLENTI-SYN (ChR2)	TACGGTGGAGCCATAGACG