

MUT-5960 Δ ChR1(E162) Δ ChR2(E123) [PH156]

Cat. No. ALS-04883

Lot. No. (See product label)

Subcategory

Mutants

Description

This is a ChR1 and ChR2 disruption strain, generated with SpCas9 nuclease. Background strain: MUT-125 mt+. Nuclease: SpCas9 nuclease. Target gene: ChR1, Cre14.g611300; ChR2, Cre02.g085257. Target sequence: ChR1 TGTGGCTTCGTTACGCGGAG (exon 5); ChR2 AGTGGTTGCGTTACGCCGAG (exon 6). Marker: pAphVII (pPH360), pAphVIII (pPH114). Mutation: insertion of short oligo TTTCGATTGAAGGAAAAGTTACAACGGAGT in ChR1 and ChR2.

Species

Chlamydomonas

Locus

ChR1, Cre14.g611300; ChR2, Cre02.g085257

Chromosome

14, 2

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