

Table S1. Emission spectra of LEDs used in this study.

LED	Wavelength range (nm)
White	420–680 nm
Blue	460–490 nm
Green	520–550 nm
Red	620–650 nm

Table S2. Primers used for qRT-PCR assays.

Gene	Primer sequence
<i>HEMA1</i>	F: GCTATGGGTGGTGTTCGACT R: CGATCTTCTGGAGGCACTTC
<i>GSA</i>	F: CTCCGTGACTTGACGAAACA R: GTAGGTTCCAGGCTCCATCA
<i>ALAD</i>	F: GTCCACCGTCTCCTTCTCC R: TGTCAAGTCAAGAGGCCTGA
<i>PPO1</i>	F: ACAGTTCCTCATTGGCCATC R: CCCATGAAATTTTGTGCTGCT
<i>CHLD</i>	F: TGGGACAGCAAAGACAGTGA R: AAGGCCAGGTTGAAACACAG
<i>CHLH</i>	F: GTGTGGGTTGCGTTCTTTTT R: GGTGACAATGTGGCTCCTCT
<i>CHLI</i>	F: TGTGCTTCTGGATTCTGCTG R: GCTGGAGCTTGTCTTGTTCC
<i>PORB</i>	F: GTGAATTGCCAGGTTTTTCGT R: GCAATTAGCAAAGCTGCACA
<i>FC2</i>	F: TTGGTGCTATGGCAGTTTCA R: AGTGGAAACAAAGGCAGGATG
<i>HO1</i>	F: AGCGCTAGCAGTAGCAGGAG R: GCTCCTTCTCCCCTTCCTT
<i>HO2</i>	F: AGGGACCTAGCAGCCCTAAC R: CCCGTATCGTCCATCTTGAG
<i>Lhcb1</i>	F: CAGCTCTCACAGCTCACTGC R: GTGTCCCACCCGTAGTCG
<i>Lhcb6</i>	F: CTCATGGGCTGGGTAGAGTC R: CGGCCTCGAAGTAGAAGATG

RbcS

F: GCAGCTTTGTTTTGGGCTAT

R: CCGGAGCTTTGTTTTACAT

Actin

F: CTTTCATAGGAATGGAAGCTGCGGGTA

R: CGACCACCTTGATCTTCATGCTGCTA

F, forward; R, reverse.