

Additional file 16: Table S5 Primers used in RT-PCR

Gene name	Forward primer (5'–3')	Reverse primer (5'–3')	Reference
<i>rbcL</i>	CTTGGCAGCATTCCGAGTAA	ACAACGGGCTCGATGTGATA	Su et al., 2012
<i>rbcS</i>	CAGCAATGGCGGCAGGAT	AGGGCACCCACTTGGAACG	Li et al., 2015
<i>CAB1R</i>	AGATGGGTTTAgTgCGACGAG	TTTGGGATCGAGGGAGTATTT	Su et al., 2012
<i>CAB2R</i>	TGTTCTCCATGTTCCGGCTTCT	GCCCAGGCGTTGTTGTTGA	Su et al., 2012, Ma et al. 2017
<i>psaA</i>	GGAGGTGGCGAGTTAGTA	GATTTGCTTTATCGGGTAT	Li et al., 2015
<i>psbA</i>	TATGGGTCGTGAGTGGGA	TTATGCTCTGCCTGGAAT	Li et al., 2015
<i>FC1</i>	GGTCAACAGGGTGTAAGAG	GTGCATCCAAGAGCTGGAAC	Inagaki et al., 2015
<i>FC2</i>	CTTGCCCTATGTTGGTGCTA	AGCCCCACTCCCATACAGTC	Inagaki et al., 2015
<i>HEMA1</i>	CGCTATTTCTGATGCTATGGGT	TCTTGGGTGATGATTGTTTGG	Su et al., 2012
<i>CHLD</i>	CAAGGGTCGCCCAAGGTAAA	CTTCAGGTCCGAGAGTGCAG	Inagaki et al., 2015
<i>CHLH</i>	CCAATCCGTAACCCGAAGGT	CAATAATTTTGCGCTCTTCAA	
<i>CHLI</i>	TTCGACAGGGATCCAAAGGC	ACAGCACCAAGGTTACTCCG	
<i>CHLM</i>	GGCTTCATCTCCACGCAGTT	GACGAATCGAAGACGCACAA	
<i>CHL27</i>	CCGCAGGCTCAAGAAAAC	ATCAGACAGCCCCCTTGTTC	Inagaki et al., 2015
<i>DVR</i>	CCATTGCCAGTTTCTTGGTG	AATTGAATGGCTAATGGCGT	Inagaki et al., 2015
<i>PORA</i>	TGTACTGGAGCTGGAACAACAA	GAGCACAGCAAAATCCTAGACG	Su et al., 2012
<i>YGL</i>	GGCACTGCTAGGACTCAC	CCCAAGACGAAGAACGGT	Wu et al., 2007
<i>CAO1</i>	GATCCATACCCGATCGACAT	CGAGAGACATCCGGTAGAGC	Su et al., 2012
<i>CHLP</i>	GACCGCGATCGAACACTTTG	TTGATCAGCCGCGAATCTGT	Li et al., 2015
<i>LIL3</i>	GCAGCCCTTTTCTCAACCCA	AACCAAGTAACCCGCAGCAA	
<i>Actin 1</i>	TGTATGCCAGTGGTCGTACCA	CCAGCAAGGTCGAGACGAA	

Inkagai, N., Kinoshita, K., Kagawa, T., Tanaka, A., Ueno, O., Shimada, H., et al. (2015). Phytochrome B mediates the regulation of chlorophyll biosynthesis through transcriptional regulation of *ChlH* and *GUN4* in rice seedlings. *PLoS ONE* 10: e0135408. doi: 10.1371/journal.pone.0135408

Li, C.M., Hu, Y., Huang, R., Ma, X.Z., Wang, Y., Liao, T.T., et al. (2015). Mutation of *FdC2* gene encoding a ferredoxin-like protein with C-terminal extension causes yellow-green leaf phenotype in rice. *Plant Sci.* 238, 127–134. doi: 10.1016/j.plantsci.2015.06.010

Ma, X., Sun, X., Li, C., Huan, R., Sun, C., Wang, Y., et al. (2017). Map-based cloning and characterization of the novel yellow-green leaf gene *ys83* in rice (*Oryza sativa*). *Plant Physiol. Biochem.* 111, 1–9. doi: 10.1016/j.plaphy.2016.11.007

Su, N., Hu, M.L., Wu, D.X., Wu, F.Q., Fei, G.L., Lan, Y., et al. (2012). Disruption of a rice pentatricopeptide repeat protein causes a seedling-specific albino phenotype and its utilization to enhance seed purity in hybrid rice production. *Plant Physiol.* 159, 227–238. doi: 10.1104/pp.112.195081

Wu, Z.M., Zhang, X., He, B., Diao, L.P., Sheng, S.L., Wang, J.L., et al. (2007). A chlorophyll-deficient rice mutant with impaired chlorophyllide esterification in chlorophyll biosynthesis. *Plant Physiol.* 145, 29–40. doi: 10.1104/pp.107.100321