

Anthocyanin accumulation in black kernel mutant rice and its contribution to ROS detoxification in response to high temperature at filling stage

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Supplementary tables and figures

Table S1 Sequence of primers for genes involved in Anthocyanin Biosynthesis used for real-time quantitative polymerase chain reaction

Gene	Accession No.	Primer Pairs	Products (bp)
ACTIN	X16280	5'-CAGCACATTCCAGCAGATGT-3' 5'-TAGGCCGGTTGAAAACCTTTG-3'	198
OsPAL	X16099	5'-GAACATCAAGAGCTCCGTCA-3' 5'-AGGAGGTTCTTCTCGCTGAA-3'	111
OsCHS	X89859	5'-GCCGACTACCCGGACTACTA-3' 5'-TCTTCCTGATCTGCGACTTG-3'	103
OsCHI	AF474922	5'-TTCTACTGCCCTCGTGTTTG-3' 5'-CAATTCAGAGATGGAACGGA-3'	79
OsF3H	AC092697	5'-AGAAGCTCATCACCGACGAC-3' 5'-CAGTGCTCCTGGTCAAGGTT-3'	80
OsF3'H	HQ876708	5'-GCGCTACCCTCCTAGTCAAC-3' 5'-AGAAACCGAGAAGGCTGGTA-3'	88
OsDFR	Y07956	5'-CGAGAAGGAACCGATACTGG-3' 5'-ACCGTTCTCTGGACTCACTA-3'	101
OsANS	Y07955	5'-ACGCAAGCTGTTCAAGAAGC-3' 5'-TATCATTCGGTTCGATGCAG-3'	70

Figure S1 HPLC chromatogram of anthocyanidins in 9311*bk* extract;
peak 1, Cyanidin-3-o-glucoside;
peak 2, Peonidin-3-O-glucoside.

