

Transcriptome and proteome analysis of the fig (*Ficus carica* L.) cultivar Orphan and its mutant Hongyan based on the fruit peel colour in South China

LINGZHU WEI, JIANHUI CHENG, JIANG XIANG, TING ZHENG, JIANG WU

Institute of Horticulture, Zhejiang Academy of Agricultural Sciences, Hangzhou, Zhejiang, P.R. China

Electronic Supplementary Material (ESM)

The authors are fully responsible for both the content and the formal aspects of the electronic supplementary material. No editorial adjustments were made.

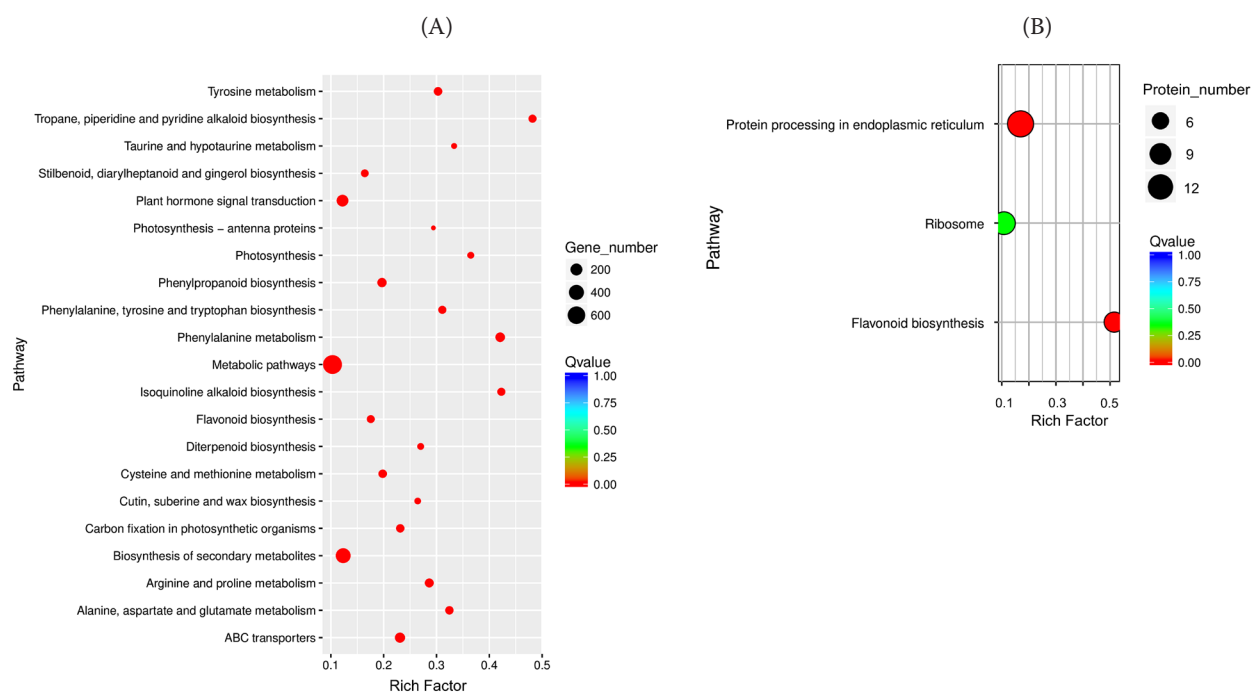


Figure S1. Kyoto Encyclopedia of Genes and Genomes (KEGG) analysis of the omics: transcriptome (A) and proteome (B). The rich factor represented the degree of the enrichment, the Q value indicated the significance of the enrichment, and the gene number suggested the possibility and importance of the pathways.

Table S1. Primers used for the PCR validation in the study

Gene name	Sequence	Product size (bp)
<i>MYB1</i>	F: 5'-CCATTGCCAGGTTATTGCCG-3' R: 5'-AAGAGAAGCGCAAGTAGCGT-3'	134
<i>MYB21</i>	F: 5'-GGGGTCATATTTCCGGATATCTTTT-3' R: 5'-AAACCTCTAGCGGAGGGAGT-3'	181
<i>MYB3</i>	F: 5'-CATGCTGCGAGAAAGCTCAC-3' R: 5'-GTGTGAGAGAAAGAGACTAACTTGT-3'	271
<i>bhlh</i>	F: 5'-TCGCCTGGTGGTCTTCTTTC-3' R: 5'-AAGCCCAAAGCCCTTCAATG-3'	244
<i>PAL</i>	F: 5'-GGCCTAATTCCAAGGCCACT-3' R: 5'-GCTTTGGTTTCTGCAAGGGG-3'	387
<i>C4H1</i>	F: 5'-AAGGGCTTTGAATGGCGAGA-3' R: 5'-GCTGCAGCCTCCTTTCCTTA-3'	137
<i>C4L</i>	F: 5'-TCAAGTGGCACCTGCAGAAA-3' R: 5'-GGACTTGTTTAGTTTGTACCACC-3'	342
<i>CHS</i>	F: 5'-AGACGGGCATTTGAGGGAAG-3' R: 5'-TTTAGACAGCGGAAGGCTG-3'	413
<i>CHI1</i>	F: 5'-ACATCGTAACCGGCCCATTT-3' R: 5'-TAGAGGATCCTGGCGGGAAA-3'	201
<i>F3H</i>	F: 5'-GCCACACAGATCCAGGAACA-3' R: 5'-CGAATCAGACAACGAATCCATCT-3'	511
<i>FLS</i>	F: 5'-TGTCAGCGAAGAGAACCCAC-3' R: 5'-GACAGTCCACCACTTGTCCC-3'	120
<i>DFR</i>	F: 5'-CCTCCGGTTTCATCGGTTCA-3' R: 5'-GAGAGTCAGATGCGTCTCCG-3'	143
<i>LAR</i>	F: 5'-CAAATGAGTCAGAGGCCGGT-3' R: 5'-ACTGAGCTGGTCCAAGATGC-3'	290
<i>ANR</i>	F: 5'-AATCCAGGGAGTGCTGAACG-3' R: 5'-AACTCAACGTCGGTCCAGTC-3'	153
<i>UFGT1</i>	F: 5'-AAACTCGCTCTTCTCACGCA-3' R: 5'-GATAGGGCTACAACCTCGGC-3'	291
<i>Actin</i>	F: 5'-GCCATTCAAGCCGTGCTTT-3' R: 5'-TGGGAACAGTGTGGCTGACA-3'	91