

Supplementary Table S1. DHN-melanin related genes from *Monilinia* spp., and ROS-related genes from *M. fructicola*. Melanin genes were retrieved from our previous study [16]. Genes related to ROS were identified in the *M. fructicola* genome after a BLAST analysis using genes from *B. cinerea* and *M. laxa* as query sequences. Gene names and their corresponding gene IDs are specified.

Gene	Full gene name	ID Query sequence	ID Query sequence
PKS12	POLYKETIDE SYNTHASE- 12	Bcin02g08770	<i>M. laxa</i> : Monilinia__049320 <i>M. fructicola</i> : MFRU_042g00180.1 <i>M. fructigena</i> : g3016.t1
PKS13	POLYKETIDE SYNTHASE- 13	Bcin03g08050	<i>M. laxa</i> : Monilinia__009450 <i>M. fructicola</i> : MFRU_053g00290.1 <i>M. fructigena</i> : g3467.t1
SMR1	SCLEROTIAL MELANOGENESIS REGULATORY GENE- 1	Bcin02g08760.1	<i>M. laxa</i> : Monilinia__009400 <i>M. fructicola</i> : MFRU_053g00340.1 <i>M. fructigena</i> : g3472.t1
YGH1	YELLOWISH-GREEN HYDROLASE- 1	Bcin02g04360.1	<i>M. laxa</i> : Monilinia__012010 <i>M. fructicola</i> : MFRU_030g00600.1 <i>M. fructigena</i> : g3325.t1
BRN1	BROWN 1	Bcin03g08100	<i>M. laxa</i> : Monilinia__025870 <i>M. fructicola</i> : MFRU_016g00660.1 <i>M. fructigena</i> : g3016.t1
BRN2	BROWN 2	Bcin04g04800	<i>M. laxa</i> : Monilinia__009410 <i>M. fructicola</i> : MFRU_053g00330.1 <i>M. fructigena</i> : g3471.t1
SCD1	SCYTALONE DEHYDRATASE- 1	Bcin03g08110.1	<i>M. laxa</i> : Monilinia__049320 <i>M. fructicola</i> : MFRU_042g00180.1 <i>M. fructigena</i> : g3016.t1
ZTF1	TRANSCRIPTION FACTOR 1 (CLUSTERED WITH PKS12 OR PKS13)	Bcin03g08090	<i>M. laxa</i> : Monilinia__009420 <i>M. fructicola</i> : MFRU_053g00320.1 <i>M. fructigena</i> : g3470.t1
ZTF2	TRANSCRIPTION FACTOR 2 (CLUSTERED WITH PKS12 OR PKS13)	Bcin03g08080	<i>M. laxa</i> : Monilinia__009430 <i>M. fructicola</i> : MFRU_053g00310.1 <i>M. fructigena</i> : g3469.t1
NOX A	NADPH OXIDASE A	XP_001550350.1	<i>M. fructicola</i> : MFRU_002g00910.1
NOX B	NADPH OXIDASE B	XP_024547116.1	<i>M. fructicola</i> : MFRU_056g00360.1
NOX R	NADPH OXIDASE R	XP_001555495.1	<i>M. fructicola</i> : MFRU_027g00750.1
PLS1	TETRASPANIN	XP_001551733.2	<i>M. fructicola</i> : MFRU_037g00190.1

<i>SOD1</i>	<i>SUPEROXIDE DISMUTASE 1</i>	Bcin03g03390	<i>M. fructicola</i> : MFRU_003g03910.1
<i>SOD2</i>	<i>SUPEROXIDE DISMUTASE 2</i>	Bcin_06g03160	<i>M. fructicola</i> : MFRU_005g03090.1
<i>SOD3</i>	<i>SUPEROXIDE DISMUTASE 3</i>	Bcin01g03830	<i>M. fructicola</i> : MFRU_009g02240.1
<i>CAT2</i>	<i>CATALASE 2</i>	Bcin11g06450	<i>M. fructicola</i> : MFRU_040g00100.1
<i>CAT4</i>	<i>CATALASE 4</i>	Bcin05g00730	<i>M. fructicola</i> : MFRU_002g00600.1
<i>APX</i>	<i>ASCORBATE PEROXIDASE</i>	Bcin_01g09360	<i>M. fructicola</i> : MFRU_021g00350.1
<i>LCC</i>	<i>MULTICOPPER OXIDASE, LACCASE</i>	Monilinia__03303	<i>M. fructicola</i> : MFRU_009g01200.1