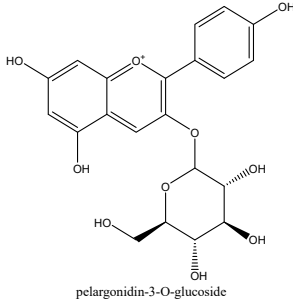
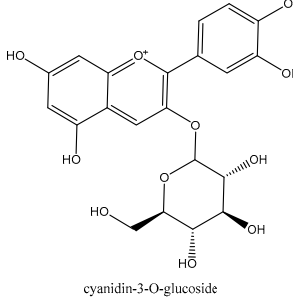
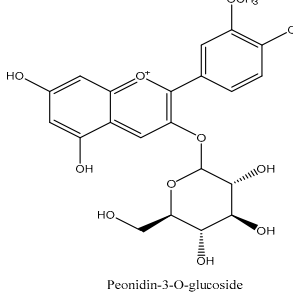
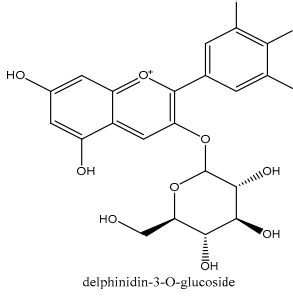
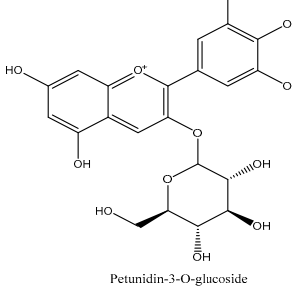
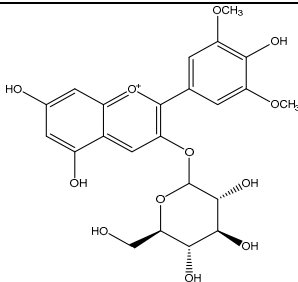
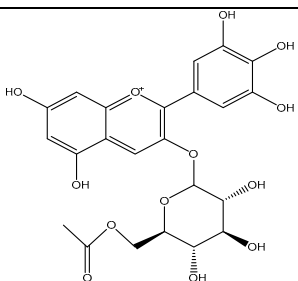
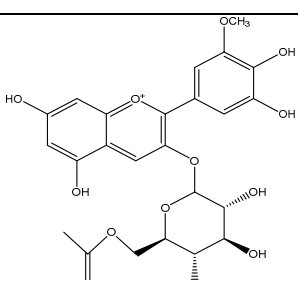
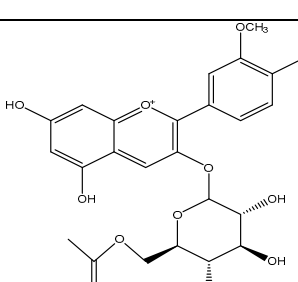
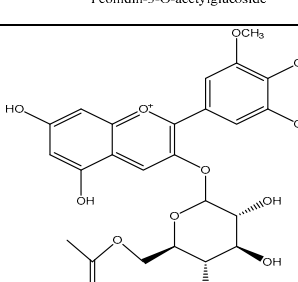


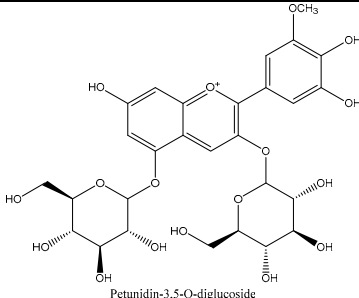
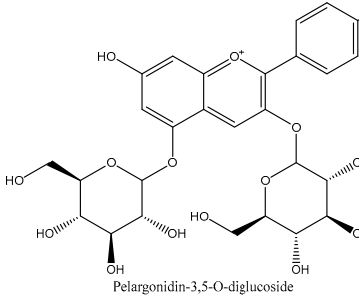
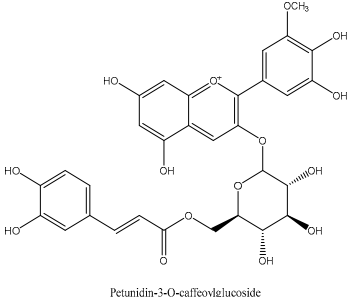
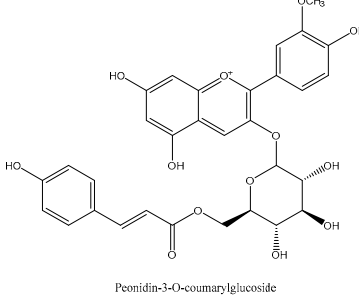
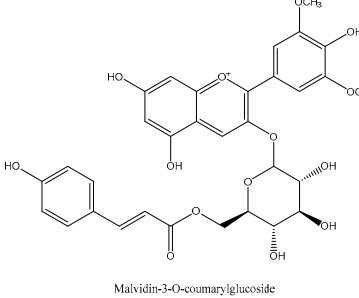
Table S1. RI of physio-chemical traits in grape berries influenced by co-cultivation with endophytic fungi.

Strain ID	PAL	SPr	TF	TPh
RH7	0.16	-0.03	-0.02	0.15
RH12	0.28	0.92	-0.18	0.08
RH32	1.43	2.01	0.57	0.31
RH34	1.55	0.87	0.15	0.31
RH36	2.18	0.52	1.02	0.80
RH44	0.04	0.21	0.16	-0.09
RH47	0.32	0.98	0.01	-0.10
RH48	1.04	0.19	0.02	-0.16
RH49	1.12	0.08	0.83	0.42
MDR1	1.56	2.21	0.42	0.21
MDR4	1.87	0.65	0.31	0.56
MDR36	3.57	0.28	0.02	0.08

Table S2. The structure of the UPLC-MS detected anthocyanins.

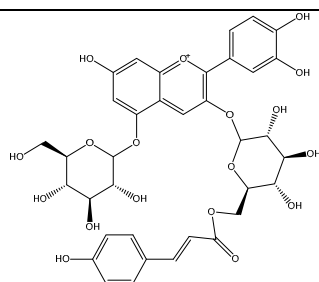
Detected anthocyanins	Structural formula	Molecular formula	Molecular weight
Pelargonidin-3- <i>O</i> -glucoside		C ₂₁ H ₂₁ O ₁₀	433.1129
Abbreviation: Pg-3-glu	pelargonidin-3-O-glucoside		
Cyanidin-3- <i>O</i> -glucoside		C ₂₁ H ₂₁ O ₁₁	449.1078
Abbreviation: Cy-3-glu	cyanidin-3-O-glucoside		
Peonidin-3- <i>O</i> -glucoside		C ₂₂ H ₂₃ O ₁₁	463.1235
Abbreviation: Pn-3-glu	Peonidin-3-O-glucoside		
Delphinidin-3- <i>O</i> -glucoside		C ₂₁ H ₂₁ O ₁₂	465.1028
Abbreviation: Dp-3-glu	delphinidin-3-O-glucoside		
Petunidin-3- <i>O</i> -glucoside		C ₂₂ H ₂₃ O ₁₂	479.1184
Abbreviation: Pt-3-glu	Petunidin-3-O-glucoside		

Malvidin-3- <i>O</i> -glucoside		$C_{23}H_{25}O_{12}$	493.1341
Abbreviation: Mv-3-glu	Malvidin-3- <i>O</i> -glucoside		
Delphinidin-3- <i>O</i> -acetylglucoside		$C_{23}H_{23}O_{13}$	507.1133
Abbreviation: Dp-3-ace	Delphinidin-3- <i>O</i> -acetylglucoside		
Petunidin-3- <i>O</i> -acetylglucoside		$C_{24}H_{25}O_{13}$	521.1290
Abbreviation: Pt-3-ace	Petunidin-3- <i>O</i> -acetylglucoside		
Peonidin-3- <i>O</i> -acetylglucoside		$C_{24}H_{25}O_{12}$	505.1341
Abbreviation: Pn-3-ace	Peonidin-3- <i>O</i> -acetylglucoside		
Malvidin-3- <i>O</i> -acetylglucoside		$C_{25}H_{27}O_{13}$	535.1446
Abbreviation: Mv-3-ace	Malvidin-3- <i>O</i> -acetylglucoside		

Petunidin-3,5- <i>O</i> -diglucoside		$C_{28}H_{33}O_{17}$	641.1712
Abbreviation: Pt-3,5-dig			
Pelargonidin-3,5- <i>O</i> -diglucoside		$C_{27}H_{31}O_{15}$	595.1657
Abbreviation: Pg-3,5-dig			
Petunidin-3- <i>O</i> -caffeoylglucoside		$C_{31}H_{29}O_{15}$	641.1501
Abbreviation: Pt-3-caff			
Peonidin-3- <i>O</i> -coumarylglucoside		$C_{31}H_{29}O_{13}$	609.1603
Abbreviation: Pn-3-coum			
Malvidin-3- <i>O</i> -coumarylglucoside		$C_{32}H_{31}O_{14}$	639.1708
Abbreviation: Mv-3-coum			

Cyanidin-3-*O*-coumarylglucoside-5-
O-glucoside

Abbreviation: Cy-3-coum-5-glu



Cyanidin-3-*O*-coumarylglucoside-5-*O*-glucoside

$C_{36}H_{37}O_{18}$

757.1974
