

Materials List for:

The Terroir Concept Interpreted through Grape Berry Metabolomics and Transcriptomics

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Materials

Name	Company	Catalog Number	Comments
Mill Grinder	IKA	IKA A11 basic	
HPLC Autosampler	Beckman Coulter	-	System Gold 508 Autosampler
HPLC System	Beckman Coulter	-	System Gold 127 Solvent Module HPLC
C18 Guard Column	Grace	-	Alltima HP C18 (7.5 mm x 2.1 mm; 5 µm) Guard Column
C18 Column	Grace	-	Alltima HP C18 (150 mm x 2.1 mm; 3 µm) Column
Mass Spectrometer	Bruker Daltonics	-	Bruker Esquire 6000; The mass spectrometer was equipped with an ESI source and the analyzer was an ion trap.
Extraction solvents and HPLC buffers	Sigma	34966	Methanol LC-MS grade
Sigma	94318	Formic acid LC-MS grade	
Sigma	34967	Acetonitrile LC-MS grade	
Sigma	39253	Water LC-MS grade	
Minisart RC 4 Syringe filters (0.2 µm)	Sartorius	17764	
Softwares for data collection (a) and processing (b)	Bruker Daltonics	-	Bruker Daltonics Esquire 5.2 Control (a); Esquire 3.2 Data Analysis and MzMine 2.2 softwares (b)
Spectrum Plant Total RNA kit	Sigma-Aldrich	STRN250-1KT	For total RNA extractino from grape pericarps
Nanodrop 1000	Thermo Scientific	1000	
BioAnalyzer 2100	Agilent Technologies	G2939A	
RNA 6000 Nano Reagents	Agilent Technologies	5067-1511	
RNA Chips	Agilent Technologies	5067-1511	
Agilent Gene Expression Wash Buffer 1	Agilent Technologies	5188-5325	
Agilent Gene Expression Wash Buffer 2	Agilent Technologies	5188-5326	
LowInput QuickAmp Labeling kit One-Color	Agilent Technologies	5190-2305	
Kit RNA Spike In - One-Color	Agilent Technologies	5188-5282	

Gene Expression Hybridization Kit	Agilent Technologies	5188-5242	
RNeasy Mini Kit (50)	Qiagen	74104	For cRNA Purification
Agilent SurePrint HD 4X44K 60-mer Microarray	Agilent Technologies	G2514F-048771	
eArray	Agilent Technologies	-	https://earray.chem.agilent.com/earray/
Gasket slides	Agilent Technologies	G2534-60012	Enable Agilent SurePrint Microarray 4-array Hybridization
Thermostatic bath	Julabo	-	
Hybridization Chamber	Agilent Technologies	G2534-60001	
Microarray Hybridization Oven	Agilent Technologies	G2545A	
Hybridization Oven Rotator Rack	Agilent Technologies	G2530-60029	
Rotator Rack Conversion Rod	Agilent Technologies	G2530-60030	
Staining kit	Bio-Optica	10-2000	Slide-staining dish and Slide rack
Magnetic stirrer device	AREX Heating Magnetic Stirrer	F20540163	
Thermostatic Oven	Thermo Scientific	Heraeus - 6030	
Agilent Microarray Scanner	Agilent Technologies	G2565CA	
Scanner Carousel, 48-position	Agilent Technologies	G2505-60502	
Slide Holders	Agilent Technologies	G2505-60525	
Feature extraction software v11.5	Agilent Technologies	-	inside the Agilent Microarray Scanner G2565CA
SIMCA + V13 Software	Umetrics		