Supporting information

Three types of elicitors induce grapevine resistance against downy mildew via common and specific immune responses

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Supporting Information Available: [Table S1]

Table S1. Selected genes and corresponding primer sets used for *Vitis vinifera* leaves with "NeoVigen96" chip that were analyzed in the Biomark HD system.

Gene family	Gene names	GenBank no.	Forward primers 5' > 3' (F)	Reverse primers 3' > 5' (R)	PCR primer efficiency
Reference genes	*VvEF1γ*	*AF176496*	GAAGGTTGACCTCTCGGATG	AGAGCCTCTCCCTCAAAAGG	1.09
	VvTIP41	XM_002270674	CAGCGGGCAGCGATCGAAGA	CATTTCCGCTCCGGCAGCCTT	1.05
	VvTHIORYLS8	XM_002283586	TCACTCTGGATGGGCCGTCG	TCCCAATCGTGGCCGAACCG	1.14
	VvTuA	XM_002285685.1	GTCGGCGCTGAAGGTGTGGA	GAGGTGGCGGGCAAACCCTC	0.97
	VvGAPDH	CB973647	TTCTCGTTGAGGGCTATTCCA	CCACAGACTTCATCGGTGACA	0.83
PR proteins	*VvPR1*	AJ536326	CCCAGAACTCTCCACAGGAC	GCAGCTACAGTGTCGTTCCA	1.00
	VvPR2	AF239617	GGGGAGATGTGAGGGGTTAT	TGCAGTGAACAAAGCGTAGG	1.18
	VvPR3	U97522.1	ACTACGGCGCTGCTGGAAACA	TGGCACCGAAACCTTGGCTTAG	1.16
	VvPR4	XM_002264684.1	CCCAGAGCGCCAGCAATGTGA	TTGCTGCGCCATGCCAAGGG	0.95
	VvPR5	XM_002282874.1	CCCCGGCACCACCAATGCTC	TGGGGGAGAACCGTAGCCCTG	1.18
	VvPR6	XM_002284418	ACGAAAACGGCATCGTAATC	TCTTACTGGGGCACCATTTC	1.23
	VvPR7	XM_002275435.1	CGTTAAGCAGCTGGAAAGGAGCA	TCCTCCGTCAGTCTGGCTGCAA	1.04
	VvPR8	Z68123	AATGATGCCCAAAACGTAGC	ATAAGGCTCGAGCAAGGTCA	0.98
	VvPR9	XM_002285687.1	ACTGCACCAAGAAAGAGCACCAG	AGCTGTGCATGTGCCATCCCC	1.14
	VvPR10	*AJ291705*	GCTCAAAGTGGTGGCTTCTC	CTCTACATCGCCCTTGGTGT	0.99
	VvPR11	XM_002270543.1	CTCCACTGCGCAAACCGTGGT	TTTGCGTTTTCGGAGGAAATCGTGA	1.10
	VvPR12	XM_002281153	GTGCAAGAACTGGGAGGGTGCC	GCAGAAGCATGCAACTCCCGGG	0.88
	VvPR14	XM_002270934	CGCCACCACACAAGACCGCA	AGGGAGGCCAGCAGCCAGAC	1.01
	VvPR15	XM_002284176.1	GTTTCCTGGCCCTCATGGAATTGGC	GTGTCCTGCAGTGGGCTTGGA	1.19
	VvPGIP	XM_002263487.1	GAGCGATGCCACCCCAGTGA	CCGTTGAGTCGGACGCTCGAC	0.96
Secondary metabolites biosynthesis	*VvPAL*	X75967	ACAACAATGGACTGCCATCA	CACTTTCGACATGGTTGGTG	1.10
	VvSTS	X76892.1	ATCGAAGATCACCCACCTTG	CTTAGCGGTTCGAAGGACAG	0.95
	VvROMT	FM178870	TGCCTCTAGGCTCCTTCTAA	TTTGAAACCAAGCACTCAGA	0.96
	VvCHS	X75969.1	CCAACAATGGTGTCAGTTGC	CTCGGTCATGTGCTCACTGT	1.01
	VvCHI	*X75963*	AGAAGCCAAAGCCATTGAGA	CCAAGGGGAGAATGAGTGAA	1.04
	VvDFR	XM_002281822.1	GGCCACCGTTCGCGATCCAA	GAAGACGCCGGTGCAGCCTT	1.05
	VvLDOX	X75966	TGGTGGGATGGAAGAGCTAC	CCCACTTGCCCTCATAGAAA	0.84
	VvF3H	*X75965.1*	TGACTCGCTCTCTTCAAGCA	CACCTTGGGACGTTCATCTT	0.87
	VvHMGR	XM_002275791.1	AACGCACACTCCGCTCCACG	GCGGCGGCGATCTTCATCGA	0.93

Indole	*VvANTS*	*XM 002281597*	AAAAATCCAAGAGGGGTGCT	AAGCTTCTCCGATGCACTGT	0.84
	VvCHORM	*FJ604854*	TCATTGAGAGGGCCAAATTC	AGGAGGCAGAAAAAGCATCA	1.05
	VvCHORS	*FJ604855*	GCCTTCACATGCAGATGCTA	CTGCAACTCTCCCAATGGTT	1.00
Redox status	*VvGST2-Phi*	AY156049	CATGAAGGCCGGCCAGCACA	CGCGAAGAATTCGCTCTGGCCA	0.84
	VvGST3-Tau	XM_002283178	TGTTTGGCCGCAAACGGGGT	TCCCCAGCCAGGTACTTGCTCT	1.06
	VvGST4-Tau	XM_002271673	AGCTGGAATGGCGCACTTGGT	TGGAAAGGTGCATACATGGCCACG	1.00
	VvGST5-Tau	XM_002283173	CCTTGAGCTCTACCCTGCCCCA	AGCAGCCAGCCCTAGACATGGA	0.86
Oxylipins	*VvLOX13*	XM_002285538	AAACCGTGCATTCCCGGCCC	GGCAGGGACGTAGCCAACCC	1.02
	VvLOX9	AY159556	GACAAGAAGGACGAGCCTTG	CATAAGGGTACTGCCCGAAA	0.92
Cell wall reinforcement	*VvAlli*	XM_002266017.1	AGCCCTTCTGGATGCAGCATGC	TGTAGCTTGCGGATGAGCTTCACT	1.00
	VvAPOX/APX1	XM_002284731.1	AGCTCAGAGGCCTCATCGCTGA	TACCGGCAGAGTGCCATGCG	1.07
	VvCAD/CCR	XM_002285332.1	AGTCCGATTGGAAGACGGCAGT	TGCCCCTGTCACACACACCA	1.08
	VvPECT	XM_002283905.1	GGGTTGCGCCCTGAGGACAC	CAATCACCCGAGCCGCCTGG	1.08
Hormone signaling	*VvEDS1*	XM_002281059.1	CAGGTCACAGCCTGGGTGCG	TCGGGCGGGACGATCTCGTT	1.01
	VvWRKY2	AY596466	AGAGGCAAGGCGATGTAGAA	CTGGGGAACAAGCCTTCATA	1.01
	VvJAR1/GH3-6	XM_002283193.1	GCAACGGGGCACGACTACTGT	GCCGTGGCGGTGCAAGTACT	0.89
	VvACO1	XM_002273394.1	GCCGGTTTGAAGTTCCAGGCCA	ACTCAAACTGTGGCAATGGGACCC	1.06
	VvACC	AF424611	GAAGGCCTTTTACGGGTCTC	CCAGCATCAGTGTGTGCTCT	0.86
	VvEIN3-bis	XM_02285213.1	CCTCGCAAGCGGTCTCGCAT	TGGAGACCCGAGCGCAGGAG	0.98
	VvSAMT	XM_002262982.1	AATCCTTGCCCAAGTTCCAG	GAGACAACCATTGGAGACTG	1.16
	VvICS	XM_002267645.2	TCTTCCCCGCTGTTTCTTCT	CTAAACCGTTGCCATCTCCG	1.01
	VvSAPB2	XM_002262990.2	GCTTGCCATGGAGCTTGG	CGTACACAGAAGCAAGCTCG	0.92