

Table S1. All genes putatively involved in coffee interaction to *Hemileia vastatrix* based on RT-qPCR analysis.

gene	annotation	accession number/locus ID	reference
CaRLK	Receptor-like kinase	DSS6; CF589181; GT030029.1	[138,140,149,152]
NB-ARC domain	NB-ARC domain-containing disease resistance protein		[144]
SD1-8	Receptor-like serine/threonine-protein kinase SD1-8		[144]
NBS-LRR	Nucleotide-binding site–leucine-rich repeat	DQ123968; GT030058.1	[149,150]
NBS-LRR	Nucleotide-binding site–leucine-rich repeat		[156]
At5g39020	Putative probable receptor-like protein kinase At5g39020		[144]
LRR_RLK1	Leucine-rich repeat receptor-like protein kinase	Contig_37_g339.t1	[22]
LRR_RLK2	Leucine-rich repeat receptor-like protein kinase	Contig_37_g342.t1	[22]
RGH1A	Resistance gene analogs 1A	GT029983.1	[149]
Bger1	Beta-glucan elicitor receptor	GT030034.1	[149]
NDR1	Non-race specific Disease Resistance 1	DSS12; CO773976	[138,148]
NDR1b	Non-race specific Disease Resistance 1		[156]
CDPK5	Calcium-dependent protein kinase 5	GT030068.1	[149]
CBP	Calmodulin-binding protein	GT030070.1	[149]
CyP450	Cytochrome P450	DSS10; GT030005.1	[148,149]
HSP70	70-kDa heat shock proteins	DSS11	[148]
CaWRKY1	WRKY transcription factor 1	DSS16; CO773974	[138,148,140,152,165]
CaWRKY1a	WRKY transcription factor 1a		[166]
CaWRKY1b	WRKY transcription factor 1b		[166]
CaWRKY1	WRKY transcription factor 1	DQ335599	[164]
CaWRKY2	WRKY transcription factor 2	GT732236;GT732237;GT687640;GW428999	[164]
CaWRKY3	WRKY transcription factor 3	GT715378;GT715379;GT669686;GT684003;GT675420;GT675421;GT675422;GT675423	[164]
CaWRKY4	WRKY transcription factor 4	GT704950;GT699101;GT708285;GT714188;GT723892;GT726133;GT721669;GT696023;GT696024;GT683342;GW430652;GW429682;GW452273	[164]
CaWRKY5	WRKY transcription factor 5	DV710913	[164]
CaWRKY6	WRKY transcription factor 6	GW460548;GW439927;GT671542;GT700942;GT688469;GT722306	[164]
CaWRKY7	WRKY transcription factor 7		[164]
CaWRKY8	WRKY transcription factor 8	GT685360;GW436389	[164]

CaWRKY10	WRKY transcription factor 10	DV693086	[164]
CaWRKY11	WRKY transcription factor 11	GW489409;GW472658;GW489686; GW467855	[164]
CaWRKY12	WRKY transcription factor 12	GW487300;GT715908	[164]
CaWRKY13	WRKY transcription factor 13	wrky13: GW428837;GW469454	[164]
CaWRKY14	WRKY transcription factor 14	wrky14: GT730216;GT688262;GT688263; GT733537	[164]
CaWRKY15	WRKY transcription factor 15	GT725660;GT721476;GT721477; GT704531;GT707389;GT702040; GT702041;GW490838;GT695761; GT674787;GT704614	[164]
CaWRKY17	WRKY transcription factor 17	DV678740	[164]
CaWRKY18	WRKY transcription factor 18	GW452866;GW464006;GW435767	[164]
CaWRKY19	WRKY transcription factor 19	wrky19: GW490173;GW439047;GW438774; GW472647;GW481654	[164]
CaWRKY20	WRKY transcription factor 20	wrky20: DV706804	[164]
CaWRKY21	WRKY transcription factor 21	wrky21: DV709595.1	[164]
CaWRKY22	WRKY transcription factor 22	GT685546;GT684702	[164]
bHLH	Putative basic helix-loop-helix (bHLH) DNA- binding superfamily protein		[144]
AP2-type transcription factor	AP2-type transcription factor	DSS17	[148]
bZIP56	transcription factor bZIP56	GT030080.1	[149]
CaAOS	Allene oxide synthase	DV704753	[164]
13-LOX	Lipoxygenase 13	DV704189	[140,164]
9-LOX	Lipoxygenase 9	DV711018	[164]
LOX	Lipoxygenase	DQ123948	[150]
CaPAL	Phenylalanine ammonia lyase	DQ067599; JF838179	[140]
NPR1	Non-expressor of pathogenesis- related gene		[156]
CaGT	Salicylic acid- glucosyltransferase	DSS22; CO773975	[140,148,152]
Aco1	ACC oxidase ACO1	GT030071.1	[149]
ERB2	Ethylene-responsive element binding protein 2	GT030055.1	[149]
ERF	Ethylene-responsive transcription factor 1B		[144]
CaR111	Unknown function	DSS23; CF589193	[138,148,152]
ABC	PDR-type ABC transporter 1	DQ123937	[150]
PR1	Pathogenesis-related protein 1		[144,156]
CaPR1b	Pathogenesis-related protein 1b	DQ335594	[140,152]
PR2/GLU	Pathogenesis-related protein 2 (beta-1,3-glucanase)	DQ123927	[150]
PR5	Pathogen-related protein 5 (thaumatin-like gene)	GT030025.1	[149,156]
CaPR10	Pathogenesis-related protein 10	CF589103	[140,152]
CaCHS	Chalcone synthase	CF588802	[140]

POX	Peroxidase	GT029982.1	[149]
PNC2	Cationic peroxidase 2		[144]
GR	Glutathione reductase	GT029995.1; GT030078.1	[149]
UbiE2	Ubiquitin-conjugating enzyme E2	GT030022.1	[149]
Pto-like	Pto R protein kinase-like	GT030035.1	[149]
SAMsI	S-adenosyl-L-methionine synthetase-like	GT030037.1	[149]
MAPK2	Mitogen-activated protein kinase 2	GT030062.1	[149]
MAPK3	Mitogen-activated protein kinase 3	GT030039.1	[149]
MEK2	Dual specificity mitogen-activated protein kinase kinase 2	GT030000.1	[149]
SAG12	Senescence-associated gene 12–cysteine type peptidase	GT030042.1	[149]
R1A-6	Putative late blight resistance protein homolog R1A-6		[144]
RGA1	Putative disease resistance protein RGA1		[144]
PUB24	Putative E3 ubiquitin-protein ligase PUB24		[144]
ITN1	Putative ankyrin repeat-containing protein At3g12360		[144]
Dirigent-like protein	Putative disease resistance-responsive (dirigent- like protein) family protein		[144]
Premnaspiridione oxygenase	Premnaspiridione oxygenase		[144]

n.a. – not available