

# Supplementary material for “Susceptibility Evaluation to Fire Blight and Genome-Wide Associations within a Collection of Asturian Apple Accessions”

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**Table S1.** Compilation of plant material information and phenotypic results. The name, protection status from the Protected Designation of Origin (PDO) “Sidra de Asturias”, and if they were used to implement phenotype–genotype associations is reported for each accession. The number of replicates evaluated, Best Linear Unbiased Prediction (BLUP) value and genotypic information for marker AX-115639581 is also reported for each one.

Name <sup>†</sup> *	Replicates	BLUP	Genotype	Name <sup>†</sup> *	Replicates	BLUP	Genotype
Amandi*	12	−1.21	CC	<b>Mariñana*</b>	6	−1.65	CC
<b>Carrió</b>	11	−1.78	-	Parda Carreño	11	2.28	-
<b>Cristalina*</b>	8	1.91	CC	Pardina*	11	−1.36	CC
Loroñesa	5	0.65	-	Ricu*	5	−2.61	CA
Mingán*	12	3.79	CC	Tomate*	10	−0.10	CC
Panera*	10	1.82	CC	<b>Meana*</b>	11	3.11	CC
<b>Paraguas</b>	10	1.34	-	Obdulina*	12	0.27	CC
<b>Reineta Caravia*</b>	9	0.50	CA	Pachín Torteru*	10	0.67	CC
Reineta Panera*	9	3.81	CC	Parda Blanquera*	6	−1.58	CC

Name <sup>¶</sup> *	Replicates	BLUP	Genotype	Name <sup>¶</sup> *	Replicates	BLUP	Genotype
Solafuente*	9	-1.20	CA	Peñaflor	9	0.74	-
Villaviciosa*	11	0.73	CC	Pepa*	10	-1.18	CC
<b>Arbeya*</b>	12	-4.78	CA	<b>Perezosa*</b>	10	-1.07	CC
Brava*	11	-1.73	CC	Rendueles*	12	2.93	CC
Busín*	5	-3.99	CC	Revoltosa*	12	-1.08	CA
Calabaza*	6	-4.95	CA	Rozona*	6	-1.05	CC
<b>Collaos*</b>	10	-1.82	CC	Valsaína*	12	-4.34	CA
Chapa*	12	1.40	CC	Valliniello*	11	-2.06	CA
Dulce Alba*	11	0.94	CC	<b>Blanquina*</b>	12	-1.22	CC
<b>Durón de Arroes*</b>	12	-0.42	CC	<b>Coloradona*</b>	9	3.00	CC
Emiliano*	6	-0.80	CC	Reineta de Santirso*	11	2.32	CC
<b>Fuentes*</b>	11	3.43	CC	<b>Clarina*</b>	4	2.44	CA
Manuel Isla	4	3.11	-	<b>Raxao*</b>	12	-1.92	CC
Mariano*	6	-1.64	CC	Esperiega	8	2.51	-
<b>Miyeres*</b>	12	-0.55	CA	Chata Encarnada Mut.	12	0.68	-
Montés de Prau*	12	0.76	CC	<b>De la Riega*</b>	11	2.03	CC

Name <sup>II</sup> *	Replicates	BLUP	Genotype	Name <sup>II</sup> *	Replicates	BLUP	Genotype
Montoto	12	1.87	-	Verdialona*	12	2.68	CC
Panquerina*	12	-0.47	CC	Florina*	12	-0.95	CC
Perico*	11	3.81	CC	Durona de Tresali*	12	-4.75	CC
Pomarón de Benavides*	12	1.15	CA	Ernestina*	12	0.30	CC
Prieta*	12	2.09	CC	Limón Montés*	12	3.87	CC
Prieta Antigua*	6	2.63	CC	Picona Rayada*	11	3.91	CC
No Raxao	12	0.44	-	Regona*	12	3.27	CC
Reineta de Pravia*	10	3.93	CC	Solarina	12	0.06	-
Reineta Parraguesa*	12	-2.82	CA	VPC005*	12	-4.67	AA
Reineta Verde*	12	1.08	CC	VPC007*	12	-5.05	CA
Repinaldo Caravia	8	2.60	-	VPC008*	12	-4.80	CA
Repinaldo de Hueso*	10	0.30	CC	VPC060*	12	0.89	CC
Repinaldo Picón B.*	11	-4.69	CA	Beldredo*	12	1.05	CC
San Roqueña*	12	4.04	CC	Picón*	12	2.08	CC
Sombrerín*	10	-0.91	CC	VPC138*	9	2.11	CC
Sucu*	9	-1.89	CC	VPC161*	12	1.56	CC
Teórica*	12	2.13	CC	VPC168*	10	-1.28	CA

Name <sup>†</sup> *	Replicates	BLUP	Genotype	Name <sup>†</sup> *	Replicates	BLUP	Genotype
Vega*	12	-1.56	CA	<b>Montés de la Llamera*</b>	12	-0.61	CC
<b>Verdosa*</b>	6	-0.51	CC	<b>Carrandona*</b>	12	-4.81	AA
<b>Xuanina*</b>	12	-4.59	CA	VPC322*	10	2.43	CC
Bedriñana*	12	-1.86	CC	Lin*	9	-4.22	CC
De Obispo*	12	-1.61	CC	VPC353*	10	-0.97	CC
Rayada*	12	-4.97	CA	VPC354*	9	3.52	CC
Reineta Pinta*	12	-0.04	CC	<b>Amariega*</b>	12	2.27	CC
Campillo*	12	-0.65	CC	VPC403*	12	0.68	CC
<b>Durón Encarnado*</b>	10	4.58	CC	<b>Corchu*</b>	12	0.43	CC
Lagar*	10	0.28	CC				

Bold font represents those accessions protected by the Protected Designation of Origin (PDO) “Sidra de Asturias”.

\* Cultivars used in genome-wide association studies (GWAS).



**Figure S1.** Image of potted plants 21 days after inoculation in the culture conditions of the high-biocontainment box (BSL3) at the IRTA - CReSA.