

## DIGITAL APPENDIX 1

Data of *Catharanthus roseus* samples included in this study, according to phytoplasma 16Sr group detected, symptoms expressed and location of sample collection in Costa Rica [locality by province, georeferenced location and altitude (meters above sea level, m.a.s.l.)]

## APÉNDICE DIGITAL 1

Datos de las muestras de *Catharanthus roseus* incluidas en este estudio, de acuerdo al grupo 16Sr de fitoplasma detectado, se incluyen los síntomas y datos de los lugares de recolección en Costa Rica [localidad por provincia, localización georeferenciada y altitud (metros sobre nivel del mar, m.s.n.m.)]

Code Código	Symptoms Síntomas	16Sr GROUP GRUPO 16Sr	Locality Localidad	Province Provincia	Latitude; Longitude Latitud; Longitud	Altitude (m.a.s.l.) Altitud (m.s.n.m.)
CR01	Virescence	16SrI	Turrialba	Cartago	9°54'32.05"N; 83°41'14.60"W	673
CR02	Bolting	16SrI	Turrialba	Cartago	9°54'32.05"N; 83°41'14.60"W	673
CR28	Virescence	16SrI	Turrialba	Cartago	9°54'32.05"N; 83°41'14.60"W	673
CR35	Virescence	16SrI	Dulce Nombre	Cartago	9°50'44.46"N; 83°54'34.46"W	1 343
CR36	Virescence	16SrI	Dulce Nombre	Cartago	9°50'44.46"N; 83°54'34.46"W	1 374
CR38	Virescence, little leaf, proliferation	16SrI	Dulce Nombre	Cartago	9°50'44.46"N; 83°54'34.46"W	1 374
CR40	Virescence, little leaf, proliferation	16SrI	Dulce Nombre	Cartago	9°50'44.46"N; 83°54'34.46"W	1 374
CR13	Virescence	16SrI	Santo Domingo	Heredia	9°59'28.60"N; 84°05'17.21"W	1 193
CR04	Virescence	16SrI	Samara	Guanacaste	9°52'21.14"N; 85°30'28.11"W	10
CR05	Virescence	16SrI	Samara	Guanacaste	9°52'54.95"N; 85°31'39.38"W	10
CR12	Virescence	16SrI	Hojancha	Guanacaste	10°03'24.02"N; 85°25'07.39"W	354
CR48	Virescence	16SrI	Hojancha	Guanacaste	10°03'24.02"N; 85°25'07.39"W	354
CR26	Yellowing	16SrI	Filadelfia	Guanacaste	10°26'29.03"N; 85°32'57.68"W	22
CR27	Yellowing	16SrI	Filadelfia	Guanacaste	10°26'29.03"N; 85°32'57.68"W	22
CR07	Virescence	16SrI	Paso Canoas	Puntarenas	8°31'46.07"N; 82°50'20.42"W	122
CR08	Phyllody, little leaf, proliferation	16SrI	Paso Canoas	Puntarenas	8°31'46.07"N; 82°50'20.42"W	122
CR09	Phyllody, little leaf, proliferation	16SrI	Paso Canoas	Puntarenas	8°31'46.07"N; 82°50'20.42"W	122
CR39	Virescence, phyllody	16SrI	Potrero Grande	Puntarenas	8°57'47.87"N; 83°10'08.09"W	362
CR37	Yellowing	16SrI	San Pedro	San José	9°56'21.41"N; 84°02'41.30"W	1 228
CR42	Yellowing	16SrI	San Pedro	San José	9°56'21.41"N; 84°02'41.30"W	1 228
CR43	Yellowing	16SrI	San Pedro	San José	9°56'21.41"N; 84°02'41.30"W	1 228
CR44	Yellowing	16SrI	San Pedro	San José	9°56'21.41"N; 84°02'41.30"W	1 228
CR47	Virescence	16SrI	San Pedro	San José	9°56'21.01"N; 84°02'41.43"W	1 228
CR49	Yellowing	16SrI	San Pedro	San José	9°56'21.41"N; 84°02'41.30"W	1 228
CR50	Yellowing	16SrI	San Pedro	San José	9°56'21.41"N; 84°02'41.30"W	1 228
CR78	Viriscence, proliferation	16SrI	Barrio Dent	San José	9°56'16.25"N; 84°03'33.47"W	1 191
CR45	Virescence	16SrI	Moravia	San José	9°57'23.72"N; 84°03'38.93"W	1 199

CR41	Virescence	16SrI	Pérez Zeledón	San José	9°21'20.67"N; 83°40'57.26"W	691
CR46	Virescence, yellowing	16SrI	Pérez Zeledón	San José	10° 21'20.82"N; 83°40'57.42"W	691
CR51	Virescence	16SrI	Cahuita	Limón	9°44' 11.16"N; 82°50'25.09"W	7
CR11	Virescence	16SrIII	Paraíso	Cartago	9°50'24.24"N; 83°53'19.23"W	1 374
CR20	Virescence	16SrIII	Santo Domingo	Heredia	9°59'28.60"N; 84°05' 17.21"W	1 193
CR18	Yellowing	16SrIII	San Pedro	San José	9°56'21.41"N; 84°02'41.30"W	1 228
CR19	Yellowing	16SrIII	San Pedro	San José	9°56'21.41"N; 84°02'41.30"W	1 228
CR21	Yellowing	16SrIII	San Pedro	San José	9°56'21.41"N; 84°02'41.30"W	1 228
CR22	Yellowing	16SrIII	San Pedro	San José	9°56'21.41"N; 84°02'41.30"W	1 228
CR23	Yellowing	16SrIII	San Pedro	San José	9°56'21.41"N; 84°02' 41.30"W	1 228
CR24	Yellowing	16SrIII	San Pedro	San José	9°56'21.41"N; 84°02' 41.30"W	1 228
CR29	Yellowing	16SrIII	San Pedro	San José	9°56'21.41"N; 84°02' 41.30"W	1 228
CR30	Yellowing	16SrIII	San Pedro	San José	9°56'21.41"N; 84°02' 41.30"W	1 228
CR31	Yellowing	16SrIII	San Pedro	San José	9°56'21.41"N; 84°02' 41.30"W	1 228
CR32	Virescence, stunt, short internodes, little leaf	16SrIII	Sabanilla	San José	9°56'22.70"N; 84°01'51.84"W	1 273
CR33	Virescence, stunt, short internodes, little leaf	16SrIII	Sabanilla	San José	9°56'23.63"N; 84°01'54.09"W	1 273
CR34	Virescence, stunt, short internodes, little leaf	16SrIII	Coronado	San José	9°58'11.76"N; 84°00'03.72"W	1 433
CR06	Virescence	16SrIX	Potrero Grande	Puntarenas	9°54'32.05"N; 83°41'14.60"W	168
CR16	Yellowing	16SrIX	San Pedro	San José	9°56'21.41"N; 84°02' 41.30"W	1 228
CR17	Yellowing	16SrIX	San Pedro	San José	9°56'21.41"N; 84°02'41.30"W	1 228
CR10	Virescence, little leaf, proliferation	16SrXIII	Dulce Nombre	Cartago	9°50'44.46"N; 83°54'34.46"W	1 343
CR25	Virescence	16SrXIII	Hojancha	Guanacaste	10°03'24.02"N; 85°25'07.39"W	354
CR03	Virescence, big bud	16SrXV	Samara	Guanacaste	9°52'50.81"N; 85°32'06.42"W	10
CR14	Virescence, phyllody	16SrXV	Santa Cruz	Guanacaste	10°15'24.43"N; 85°33'53.93"W	56
CR15	Virescence	16SrXV	Hojancha	Guanacaste	10°03'24.02"N; 85°25'07.39"W	354