

Bolanos et al. (2019) *Biotecnología vegetal* 19(1): 15-24

Table S1. - DNA isolated from different plant tissues, under different methods of extraction, and results of the PCR amplification using universal primers (16S-rDNA), and the nested PCR (P1 - P7 / R16F2n R16R2).

Sample tissue/ Location/ID	Plant	Symptomatology	Extraction protocol	ng/μl	16S	P1-P7 R16F2n-R2
Leaf-Pichincha plant 1	Potato	asymptomatic plant	Ferreira & Grattapaglia, 1998	2285.2	+	-
Stem-Pichincha plant 1	Potato	asymptomatic plant	Ferreira & Grattapaglia, 1998	230.1	+	-
Leaf-Northern Carchi plant 2	Potato	purple discoloration of leaves	Ferreira & Grattapaglia, 1998	737.8	+	-
Stem-Northern Carchi plant 2	Potato	purple discoloration of leaves	Ferreira & Grattapaglia, 1998	310.2	+	-
Aer-tuber-Northern Carchi plant 2	Potato	aerial tuber/ purple discoloration	Ferreira & Grattapaglia, 1998	1537.5	+	-
Leaf-Northern Carchi plant 3	Potato	purple discoloration of leaves	Ferreira & Grattapaglia, 1998	482.5	+	-
Stem-Northern Carchi plant 3	Potato	purple discoloration of leaves	Ferreira & Grattapaglia, 1998	276.9	+	-
Aer-tuber-Northern Carchi plant 3	Potato	aerial tuber/ purple discoloration	Ferreira & Grattapaglia, 1998	2052.3	+	-
Leaf- Pichincha plant 1	Potato	asymptomatic plant	PureLink Plant Total DNA -Invitrogen	18.3	+	-
Stem- Pichincha plant 1	Potato	asymptomatic plant	PureLink Plant Total DNA -Invitrogen	5.2	+	-
Leaf-Northern Carchi plant 2	Potato	purple discoloration of leaves	PureLink Plant Total DNA -Invitrogen	16.6	+	+
Stem-Northern Carchi plant 2	Potato	purple discoloration of leaves	PureLink Plant Total DNA -Invitrogen	8.9	+	+
Aer-tuber-Northern Carchi plant 2	Potato	aerial tuber/ purple discoloration	PureLink Plant Total DNA -Invitrogen	15.6	+	+ RFLP
Leaf-Northern Carchi plant 3	Potato	purple discoloration of leaves	PureLink Plant Total DNA -Invitrogen	13.4	+	-
Stem-Northern Carchi plant 3	Potato	purple discoloration of leaves	PureLink Plant Total DNA -Invitrogen	10.2	+	-
Aer-tuber-Northern Carchi plant 3	Potato	aerial tuber/ purple discoloration	PureLink Plant Total DNA -Invitrogen	18.3	+	-
Leaf- Pichincha plant 1	Potato	asymptomatic plant	Colombo (1998) adapted by Piedra	1741.5	+	-
Stem- Pichincha plant 1	Potato	asymptomatic plant	Colombo (1998) adapted by Piedra	126.9	+	-
Leaf-Northern Carchi plant 2	Potato	purple discoloration of leaves	Colombo (1998) adapted by Piedra	1157.2	+	-
Stem-Northern Carchi plant 2	Potato	purple discoloration of leaves	Colombo (1998) adapted by Piedra	99.2	+	-
Aer-tuber-Northern Carchi plant 2	Potato	aerial tuber/ purple discoloration	Colombo (1998) adapted by Piedra	1240.3	+	-
Leaf-Northern Carchi plant 3	Potato	purple discoloration of leaves	Colombo (1998) adapted by Piedra	242.7	+	-
Stem-Northern Carchi plant 3	Potato	purple discoloration of leaves	Colombo (1998) adapted by Piedra	140.7	+	-
Aer-tuber-Northern Carchi plant 3	Potato	aerial tuber/ purple discoloration	Colombo (1998) adapted by Piedra	1120.0	+	-
Leaf-Sto. Domingo-plant 1	Papaya	papaya twisted neck syndrome	PureLink Plant Total DNA -Invitrogen	18.5	+	+

Table S1. - Continued

Sample ID	Plant	Symptomatology	Extraction protocol	ng/μl	16S	P1-P7 R16F2n-R2
Leaf-Sto. Domingo-plant 2	Papaya	twisted neck syndrome	PureLink Plant Total DNA -Invitrogen	20.1	+	-
Leaf-Sto. Domingo-plant 3	Papaya	twisted neck syndrome	PureLink Plant Total DNA -Invitrogen	16.5	+	+
Leaf-Sto. Domingo-plant 4	Papaya	twisted neck syndrome	PureLink Plant Total DNA -Invitrogen	16.0	+	-
Leaf-Sto. Domingo-plant 5	Papaya	twisted neck syndrome	PureLink Plant Total DNA -Invitrogen	25.3	+	-
Leaf-Sto. Domingo-plant 6	Papaya	twisted neck syndrome	PureLink Plant Total DNA -Invitrogen	27.6	+	-
Leaf-Sto. Domingo-plant 7	Papaya	twisted neck syndrome	PureLink Plant Total DNA -Invitrogen	18.5	+	+
Leaf-Sto. Domingo-plant 8	Papaya	twisted neck syndrome	PureLink Plant Total DNA -Invitrogen	19.0	+	+
Aerial-tuber Canchaguano plant 1	Potato	aerial tuber/ purple discoloration	PureLink Plant Total DNA -Invitrogen	24.0	+	+
Leaf-Canchaguano plant 2	Potato	purple discoloration of leaves	PureLink Plant Total DNA -Invitrogen	14.9	+	-
Aerial-tuber Canchaguano plant 3	Potato	aerial tuber/ purple discoloration	PureLink Plant Total DNA -Invitrogen	22.3	+	+
Leaf Canchaguano plant 4	Potato	purple discoloration of leaves	PureLink Plant Total DNA -Invitrogen	24.7	+	-
Aerial-tuber Canchaguano plant 5	Potato	aerial tuber/ purple discoloration	PureLink Plant Total DNA -Invitrogen	21.2	+	-
Leaf -Chutan bajo plant 6	Potato	purple discoloration of leaves	PureLink Plant Total DNA -Invitrogen	21.5	+	-
Aerial-tuber Chutan bajo plant 7	Potato	aerial tuber/ purple discoloration	PureLink Plant Total DNA -Invitrogen	34.5	+	-
Leaf Chutan bajo plant 8	Potato	purple discoloration of leaves	PureLink Plant Total DNA -Invitrogen	36.1	+	-
Aerial tuber Chutan bajo plant 9	Potato	aerial tuber/ purple discoloration	PureLink Plant Total DNA -Invitrogen	31.3	+	+
Leaf Chutan bajo plant 10	Potato	purple discoloration of leaves	PureLink Plant Total DNA -Invitrogen	30.0	+	-
Leaf- Orellana palm 1	Oil palm	lethal wilt	PureLink Plant Total DNA -Invitrogen	49.1	+	+
Leaf- Orellana palm 2	Oil palm	lethal wilt	PureLink Plant Total DNA -Invitrogen	25.7	+	+
Leaf- Orellana palm 3	Oil palm	lethal wilt	PureLink Plant Total DNA -Invitrogen	65.8	+	+
Leaf -Orellana palm 4	Oil palm	lethal wilt	PureLink Plant Total DNA -Invitrogen	75.8	+	+