

**Supplementary Table S1.** Characteristics of the Tunisian orchards surveyed for bacterial soft rot and blackleg diseases in 2018, 2019 and 2020.

Governorate	Region	Orchard Name	Cultivar	Sampling Year	Irrigation Type	Fertilization	Organ	Symptoms	Isolated Strains	Pectinolytic Strains
Bizerte	Ghar EL Melh	Mohamed	Spunta	2019	Pond water	Chemical	Tuber	Soft rot	12	1
Bizerte	Ghar EL Melh	Mohamed	Spunta	2020	Pond water	Biological	Tuber	Soft rot	15	1
Bizerte	Wed hajj hsan	Abdenebi	Spunta	2019	Drip irrigation	Biological and chemical	Tuber	Soft rot	2	0
Bizerte	Ras Djebel	Kichi	Spunta	2019	Drip irrigation	Biological and chemical	Tuber	Soft rot	15	4
Bizerte	Ras Djebel	Kichi	Spunta	2020	Drip irrigation	Biological and chemical	Tuber	Soft rot	13	5
Nabeul	Beni khiar	Melliti	Spunta	2019	Drip irrigation	Biological and chemical	Tuber	Soft rot	35	2
Nabeul	Beni khiar	Ben chaabene	Mondial	2020	Drip irrigation	Biological and chemical	-	Asymptomatic	0	0
Kairouan	Echrarda	Baazaoui	Spunta	2019	Drip irrigation	Biological and chemical	Tuber	Soft rot	25	0
Kairouan	Hajeb El Ayoun	Hajeb 1	Spunta	2019	Pond water	Biological and chemical	Tuber	Soft rot	29	0
Kairouan	Hajeb El Ayoun	Hajeb 2	Spunta	2020	Pond water	Biological and chemical	Tuber	Soft rot	20	0
Kairouan	ElAlaa	Fakhreddine	Spunta	2020	Drip irrigation	Biological	-	Asymptomatic	0	0
Sidi Bouzid	Bir EL Hafey	Msalbi	Spunta	2019	Drip irrigation	Biological	Tuber	Soft rot	8	1
Gafsa	Amra	Ibrahim	Spunta	2018	Drip irrigation	Biological	Tuber	Soft rot	20	0
Jandouba	Bousalem	Bousalem 1	Daifla	2019	Drip irrigation	Biological and chemical	Tuber	Soft rot	13	2
Jandouba	Bousalem	Bousalem 2	Daifla	2020	Drip irrigation	Biological and chemical	Tuber	Soft rot	18	4
Jandouba	Bousalem	Bousalem 3	Mondial	2020	Drip irrigation	Biological and chemical	Leaf	Blackleg	8	0
Manouba	Jdaida	Sami F	Spunta	2019	Drip irrigation	Biological and chemical	Tuber	Soft rot	21	0
Manouba	Jdaida	Belhssen	Spunta	2020	Drip irrigation	Biological and chemical	Tuber	Soft rot	10	0
El Kef	El Kef	Cherni B	Spunta	2018	Drip irrigation	Biological	Tuber	Soft rot	2	0
El Kef	El Kef	Rabah M	Spunta	2018	Drip irrigation	Biological	Leaf	Blackleg	4	0
									<b>270</b>	<b>20</b>