

Appendix A-v

Pathogenicity assessment on coconut seedlings

Observation 1 on coconut seedlings

Isolate	Replicate 1						Replicate 2						Replicate 3						Replicate 4						Replicate 5						Total	
	P1	P2	P3	P4	P5	Av.	P1	P2	P3	P4	P5	Av.	P1	P2	P3	P4	P5	Av.	P1	P2	P3	P4	P5	Av.	P1	P2	P3	P4	P5	Av.	Av.	SE
99P05	0	1	0	0	0	0.2	0	0	0	1	0	0.2	0	0	0	1	0	0.2	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.1	0.11
99P10	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00
99P105	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	1	0	0.2	0.0	0.09
99P106	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00
99P107	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00
99P12	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00
99P25	0	0	0	0	1	0.2	0	1	0	0	0	0.2	1	0	1	0	0	0.4	0	0	0	1	1	0.4	0	0	1	0	0	0.2	0.3	0.11
99P29	0	0	0	0	1	0.2	0	0	0	1	0	0.2	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.1	0.11
99P30	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00
99P31	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00
99P35	0	0	0	0	0	0.0	0	0	1	0	0	0.2	0	0	0	0	1	0.2	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.1	0.11
99P45	0	0	1	0	0	0.2	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.09
99P49	0	0	0	0	0	0.0	0	0	0	1	0	0.2	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.09
99P59	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00
99P81	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	1	0	0.2	0	0	1	0	0	0.2	0	1	1	0	0	0.4	0.2	0.17
99P85	0	0	0	0	0	0.0	0	0	1	0	0	0.2	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.09
IN A	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00
Control	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00

99P05	1	1	0	1	1	0.8	0	0	0	1	0	0.2	0	1	0	1	0	0	0	0	1	0.4	0	1	1	0	0	0.4	0.4	0.22		
99P10	1	0	0	1	0	0.4	1	0	1	0	1	0.6	1	0	0	0	0	0.2	0	1	1	0	1	0.6	0	0	0	0	0.0	0.4	0.26	
99P105	1	1	0	1	0	0.6	1	1	0	0	1	0.6	1	0	0	0	0	0.2	0	0	1	0	0	0.2	1	0	0	1	0	0.4	0.20	
99P106	1	0	0	0	0	0.2	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0.0	0.0	0.09	
99P107	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0.0	0.0	0.00	
99P12	0	0	0	0	0	0.0	0	0	0	0	0	0.0	1	0	0	0	0	0.2	0	0	0	0	0	0.0	1	0	0	0	0	0.2	0.1	0.11
99P25	0	0	1	0	1	0.4	1	1	0	1	1	0.8	1	0	1	1	1	0.8	1	1	0	1	1	0.8	0	0	1	0	0	0.2	0.6	0.28
99P29	1	1	1	0	1	0.8	0	1	1	1	0	0.6	1	0	0	0	0	0.2	0	0	0	0	0	0.0	0	0	0	1	0	0.2	0.4	0.33
99P30	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0.0	0.0	0.00	
99P31	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0.0	0.0	0.00	
99P35	0	0	0	0	1	0.2	0	0	1	0	0	0.2	0	0	0	0	1	0.2	0	0	0	1	0	0.2	1	0	1	0	0	0.4	0.2	0.09
99P45	0	0	1	0	0	0.2	1	1	0	0	0	0.4	1	0	0	0	0	0.2	0	1	0	1	1	0.6	1	1	0	0	0	0.4	0.4	0.17
99P49	0	0	0	0	0	0.0	1	1	0	1	0	0.6	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.1	0.27
99P59	0	0	0	0	0	0.0	0	0	0	1	0	0.2	1	1	0	0	0	0.4	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.1	0.18
99P81	1	0	0	0	0	0.2	0	0	0	0	1	0.2	0	1	0	1	0	0.4	0	1	1	0	1	0.6	0	1	1	0	0	0.4	0.4	0.17
99P85	1	0	0	0	1	0.4	0	0	1	0	0	0.2	0	0	0	0	0	0.0	1	1	0	0	0	0.4	1	1	1	1	0	0.8	0.4	0.30
IN A	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00
Control	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00

99P05	1	1	0	1	1	0.8	1	0	0	1	0	0.4	0	1	1	1	0	0.6	1	0	0	0	1	0.4	0	1	1	0	1	0.6	0.6	0.17
99P10	1	0	0	1	0	0.4	1	0	1	0	1	0.6	1	0	1	0	0	0.4	0	1	1	1	1	0.8	0	0	0	0	1	0.2	0.5	0.23
99P105	1	1	0	1	0	0.6	1	1	0	0	1	0.6	1	0	0	0	0	0.2	0	0	1	0	0	0.2	1	0	0	1	0	0.4	0.4	0.20
99P106	1	0	0	0	0	0.2	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.09
99P107	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00
99P12	0	0	0	0	0	0.0	0	0	0	0	0	0.0	1	0	0	0	0	0.2	0	0	0	0	0	0.0	1	0	0	0	0	0.2	0.1	0.11
99P25	0	0	1	0	1	0.4	1	1	0	1	1	0.8	1	0	1	1	1	0.8	1	1	0	1	1	0.8	0	0	1	0	0	0.2	0.6	0.28
99P29	0	1	1	0	1	0.6	0	1	1	1	1	0.8	1	0	0	0	0	0.2	0	0	0	0	0	0.0	0	0	0	1	0	0.2	0.4	0.33
99P30	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00
99P31	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00
99P35	0	0	0	0	1	0.2	0	0	1	0	0	0.2	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	1	0	0.2	0.2	0.14
99P45	0	0	1	0	0	0.2	1	1	0	0	0	0.4	1	0	0	0	0	0.2	0	1	0	1	1	0.6	1	1	0	0	0	0.4	0.4	0.17
99P49	0	0	0	0	0	0.0	1	1	0	1	0	0.6	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.1	0.27
99P59	0	0	0	0	0	0.0	0	0	0	0	1	0.2	0	1	1	0	0	0.4	0	0	0	0	0	0.0	0	0	0	1	0	0.2	0.2	0.17
99P81	1	0	0	0	0	0.2	0	0	0	0	1	0.2	0	1	0	1	0	0.4	0	1	1	0	1	0.6	1	1	1	1	0	0.8	0.4	0.26
99P85	1	0	0	0	1	0.4	0	0	1	0	1	0.4	0	0	0	0	0	0.0	1	1	0	0	0	0.4	1	1	1	1	0	0.8	0.4	0.28
IN A	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00
Control	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0	0	0	0	0	0.0	0.0	0.00