

TABLE S1. Strains used in this study (^T=type strain).

Strain designation	Received as	Origin	Host	Organ	Properties	Other designations, notes	References
<i>Brenneria</i>							
LMG 2694 ^T	<i>B. nigrifluens</i>	United States	<i>Juglans regia</i>	Bark canker	Phytopathogen	Type strain	[1]
LMG 2709 ^T	<i>B. rubrifaciens</i>	United States	<i>Juglans regia</i>	-	Phytopathogen	Type strain	[2]
<i>Enterobacter</i>							
LMG 2693 ^T	<i>E. cancerogenus</i>	Czech Republic	<i>Populus canadensis</i> cv. <i>Regenerata</i>	-	Phytopathogen	Type strain	[3]
LMG 5336	<i>E. agglomerans</i>	United States	-	-	Clinical	<i>P. agglomerans</i> ATCC 29904	
LMG 5337	<i>E. agglomerans</i>	United States	Human	Intervenous fluid	Clinical	<i>P. agglomerans</i> ATCC 29915	
LMG 5339	<i>E. agglomerans</i>	United States	Chicken	Liver	Veterinarial	<i>P. agglomerans</i> ATCC 29917	
LMG 5341	<i>E. agglomerans</i>	United States	Human	-	Clinical	<i>P. agglomerans</i> ATCC 29919	
LMG 5345	<i>E. agglomerans</i>	United States	Human	-	Clinical	<i>P. agglomerans</i> ATCC 29923	
<i>Erwinia</i>							
CFBP 1232 ^T	<i>E. amylovora</i>	United Kingdom	<i>Pyrus communis</i>	-	Phytopathogen	Type strain	[4]
CFBP 4342	<i>E. herbicola</i> pv. <i>gypsophilae</i>	Netherlands	<i>Gypsophila paniculata</i>	Plant gall	Phytopathogen		
DSM 12163 ^T	<i>E. pyrifoliae</i>	South Korea	<i>Pyrus pyrifolia</i>	-	Clinical	Type strain	[5]
Ea 273	<i>E. amylovora</i>	United States	<i>Malus pumila</i>	Apple	Phytopathogen	ATCC 49946	[6, 7]
<i>Pantoea</i>							
ACW 55802	<i>P. agglomerans</i>	Switzerland	Apple tree	-	Environmental		
ACW 55899	<i>P. agglomerans</i>	Switzerland	Apple tree	-	Environmental		
ATCC 27981	<i>P. agglomerans</i>	United States	Human	Sputum	Clinical	CDC 865-74	
ATCC 27982	<i>P. agglomerans</i>	United States	Human	IV fluid	Clinical	CDC 2214-72	
ATCC 27985	<i>P. agglomerans</i>	United States	Human	N/A	Clinical	CDC 811-75	
ATCC 27987	<i>P. agglomerans</i>	United States	Human	Ear	Clinical	CDC 1400-74	

ATCC 27988	<i>P. agglomerans</i>	United States	Human	Urine	Clinical	CDC 1377-71	
ATCC 27989	<i>P. agglomerans</i>	United States	Human	Sputum	Clinical	CDC 1300-74	
ATCC 27990	<i>P. agglomerans</i>	United States	Human	-	Clinical	CDC 1134-72	
ATCC 27991	<i>P. agglomerans</i>	United States	Human	Eye drainage	Clinical	CDC 358-74	
ATCC 27992	<i>P. agglomerans</i>	United States	Human	-	Clinical	CDC 1269-74	
ATCC 27993	<i>P. agglomerans</i>	United States	Human	Blood	Clinical	CDC 4-74	
ATCC 27994	<i>P. agglomerans</i>	United States	Human	-	Clinical	CDC 3072-74	
ATCC 27995	<i>P. agglomerans</i>	United States	Human	-	Clinical	CDC 4854-73	
ATCC 27996	<i>P. agglomerans</i>	United States	Insect	-	Environmental	CDC 5474-71	
ATCC 27998	<i>P. agglomerans</i>	United States	Human	Trachea	Clinical	CDC 1741-71	
ATCC 29001	<i>P. agglomerans</i>	United States	Human	Prostate	Clinical	CDC 164-75	
ATCC 29918	<i>P. agglomerans</i>	United States	Human	-	Clinical	CDC 4388-71	
C9-1	<i>P. agglomerans</i>	United States	<i>Malus malus</i>	Stem	Biocontrol	BlightBan C9-1™	[8]
CECT 4842	<i>P. agglomerans</i>	Sweden	Industrial	Paper mill process water	Environmental		
CIP 102343	<i>P. agglomerans</i>	Algeria	Human	Urine	Clinical		
CIP 102701	<i>P. agglomerans</i>	France	Human	Ear	Clinical		
CIP 82.100	<i>P. agglomerans</i>	Canada	Cereal plant	-	Environmental	ATCC 33243 ^T , type strain of <i>Erwinia herbicola</i>	[9]
CIP A181	<i>P. agglomerans</i>	France	Human	Blood	Clinical		
CPA-2	<i>P. agglomerans</i>	Spain	<i>Malus</i> sp.	Apple surface	Biocontrol		[10]
E325	<i>P. agglomerans</i>	United States	Apple tree	Blossoms	Biocontrol	BloomTime™	[11]
Eh1087	<i>P. agglomerans</i>	New Zealand	Apple tree	Blossom	Biocontrol	Produces phenazine	[12]
Eh239	<i>P. agglomerans</i>	United States	Barley plant	Kernels	Biocontrol		[13]
Eh252	<i>P. agglomerans</i>	United States	<i>Malus pumila</i>	-	Biocontrol		[14]
Eh318	<i>P. agglomerans</i>	United States	Apple tree	Stem	Biocontrol		[15]
Eh454	<i>P. agglomerans</i>	United States	Barley plant	Kernels	Biocontrol		[13]

Eh460	<i>P. agglomerans</i>	United States	Barley plant	Kernels	Biocontrol		[13]
EM13cb	<i>P. agglomerans</i>	Spain	Human	Blood	Clinical		
EM15cb	<i>P. agglomerans</i>	Spain	Human	Catheter	Clinical		
EM17cb	<i>P. agglomerans</i>	Spain	Human	Blood	Clinical		
EM21cb	<i>P. agglomerans</i>	Spain	Human	Bile	Clinical		
EM22cb	<i>P. agglomerans</i>	Spain	Human	Blood	Clinical		
EM2cb	<i>P. agglomerans</i>	Spain	Human	Urine	Clinical		
EPS486	<i>P. agglomerans</i>	Spain	Apple tree	Bud	Environmental		
EPS595	<i>P. agglomerans</i>	Spain	Pear tree	Bud	Environmental		
EPS125	<i>P. agglomerans</i>	Spain	Pear tree	Fruit	Biocontrol		[16]
LMG 1286 ^T	<i>P. agglomerans</i>	Zimbabwe	Human	Knee laceration	Clinical	Type strain: ATCC 27155 ^T , CECT 850 ^T	[17]
LMG 2557	<i>P. agglomerans</i>	United Kingdom	<i>Pyrus communis</i>	-	Environmental	NCPPB 1269	
LMG 2595	<i>P. agglomerans</i>	South Africa	<i>Allium cepa</i>	Necrotic stalk and leaf	Environmental		
LMG 2941	<i>P. agglomerans</i>	N/A	<i>Malus sylvestris</i>	Leaf surface	Environmental		
P10c	<i>P. agglomerans</i>	New Zealand	Apple	Flower	Biocontrol	BlossomBless TM	[18]
P10Qld	<i>P. agglomerans</i>	Australia	Wheat plant	Roots	Environmental	QC1.38	
P1SA	<i>P. agglomerans</i>	Australia	Wheat plant	Roots	Environmental	PGP1.TCV14.2	
P2SA	<i>P. agglomerans</i>	Australia	Wheat plant	Roots	Environmental	PGP1.TCV14.6	
P3SA	<i>P. agglomerans</i>	Australia	Wheat plant	Roots	Environmental	SAwow11ct.3	
P4SA	<i>P. agglomerans</i>	Australia	Wheat plant	Roots	Environmental	SHj20.23	
P5WA	<i>P. agglomerans</i>	Australia	Wheat plant	Roots	Environmental	WMRst146.26	
P6WA	<i>P. agglomerans</i>	Australia	Wheat plant	Roots	Environmental	WLs185.22	
P7NSW	<i>P. agglomerans</i>	Australia	Wheat plant	Roots	Environmental	NMcc14.5	
P8SA	<i>P. agglomerans</i>	Australia	Wheat plant	Roots	Environmental	SAP2ww1.186	
P9Qld	<i>P. agglomerans</i>	Australia	Wheat plant	Roots	Environmental	QB1.20	
SC-1	<i>P. agglomerans</i>	United States	Cotton plant	-	Phytopathogen		[19]

VA21971	<i>P. agglomerans</i>	Switzerland	Human	Arm wound	Clinical		
ATCC 43348	<i>P. agglomerans</i> pv. <i>gypsophilae</i>	United States	<i>Gypsophila</i> <i>paniculata</i>	Plant gall	Phytopathogen	Crown gall disease	[20]
LMG 20103	<i>P. ananatis</i>	South Africa	Eucalyptus tree	-	Phytopathogen		
LMG 2665 ^T	<i>P. ananatis</i>	Brazil	<i>Ananas comosus</i>	-	Phytopathogen	Type strain	[21]
LMG 2676	<i>P. ananatis</i>	United States	<i>Puccinia graminis</i> f. sp. <i>tritici</i>	Uredia	Phytopathogen		[22]
LMG 5342	<i>P. ananatis</i>	United States	Human	-	Clinical	<i>P. ananatis</i> ATCC 29920	[21]
LMG 23359	<i>P. citrea</i>	Philippines	Pineapple plant	-	Environmental		[23]
LMG 2603	<i>P. dispersa</i>	Japan	Soil	-	Environmental		[17]
LMG 2605	<i>P. dispersa</i>	Tanzania	<i>Vigna unguiculata</i>	Seed	Environmental		
LMG 2770	<i>P. dispersa</i>	United States	Human	Blood culture	Clinical		
LMG 22097	<i>P. punctata</i>	Japan	Orange tree		Environmental		[23]
CFBP 3614 ^T	<i>P. stewartii</i> subsp. <i>indologenes</i>	India	<i>Setaria italica</i>	Leaf spot	Phytopathogen	Type strain, LMG 2632 ^T	[21, 24]
CFBP 3517 ^T	<i>P. stewartii</i> subsp. <i>stewartii</i>	United States	<i>Zea mays</i> var. <i>rugosa</i>	-	Phytopathogen	Type strain, LMG 2715 ^T	[21, 24]
DC283	<i>P. stewartii</i> subsp. <i>stewartii</i>	United States	<i>Zea mays</i> var. <i>rugosa</i>	-	Phytopathogen		[25]
CFBP 6632	<i>Pantoea oleae</i>	Spain	<i>Olea europaea</i>	Plant gall	Phytopathogen	Olive knot disease	
LMG 5343	<i>Pantoea</i> sp.	United States	Human	-	Clinical	<i>P. agglomerans</i> ATCC 29921	

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