

Text S1. *Phytophthora infestans* samples

Table 1: Isolates of *Phytophthora infestans* used in this report. Samples sequenced for this project are available at the sequence read archive (NCBI) as BioProject ID: PRJNA542680.

Strain	Lineage	Year collected	Provenance	Mating type	SRA sample	Publication
M-0182896	FAM-1	1877	Germany	NA	ERS241539	Yoshida 2013 [4]
Pi1889	FAM-1	1889	Germany	NA	ERS258007	Martin 2013 [2]
P8140	FAM-1	1986	Mexico, Toluca	A1	SRS856518	Martin 2016 [3]
P13346	FAM-1	2001	Ecuador, Napo	A1	SRS856501	Martin 2016 [3]
Kew126	US-1	1952	Britain	NA	SRS856492	Martin 2016 [3]
Kew122	US-1	1955	Britain	NA	SRS856493	Martin 2016 [3]
DDR7602	US-1	1976	Germany	A1	ERS226848	Yoshida 2013 [4]
P8141	US-1	1987	Mexico	A1	SRS856517	Martin 2016 [3]
P6515	US-1	1989	Peru	A1	SRS856514	Martin 2016 [3]
LBUS5	US-1	2005	S. Africa	A1	ERS226849	Yoshida 2013 [4]
RS2009P1	US-8	2009	USA, Pennsylvania	A2	ERS258000	Martin 2013 [2]
US-0400009	US-8	NA	USA, New York	A2	SAMN11619528	This report
FP-GCC	US-11	NA	USA, Florida	A1	SAMN11635067	This report
P10127	US-18	2002	USA, N.Carolina	A2	ERS241587	Yoshida 2013 [4]
US-100006	US-22	NA	USA, Kentucky	A2	SAMN11635068	This report
P17777	US-22	2009	USA, New York	A2	ERS226847	Yoshida 2013 [4]
IN2009T1	US-22	2009	USA, Pennsylvania	A2	ERS258001	Martin 2013 [2]
BL2009P4	US-23	2009	USA, Pennsylvania	A1	ERS258002	Martin 2013 [2]
FL2009P4	US-23	NA	USA, Florida	A1	SAMN11635069	This report
ND822Pi	US-24	NA	USA, N. Dakota	A1	SAMN11635070	This report
P3685	NA	1983	Mexico	A1	SRS856523	Martin 2016 [3]
P6634	NA	1983	Mexico	A1	SRS856520	Martin 2016 [3]
P7036	NA	1983	Mexico, Toluca	A2	SRS856519	Martin 2016 [3]
P3683	NA	1983	Mexico	A2	SRS856524	Martin 2016 [3]

P8143	NA	1987	Mexico, Toluca	A1	SRS856515	Martin 2016 [3]
P6636	NA	1987	Mexico, Toluca	A2	SRS856499	Martin 2016 [3]
P8144	NA	1987	Mexico, Toluca	A1	SRS856516	Martin 2016 [3]
PIC97207	NA	1997	Mexico	NA	SRS856506	Martin 2016 [3]
PIC97605	NA	1997	Mexico	NA	SRS856505	Martin 2016 [3]
PIC97630	NA	1997	Mexico	NA	SRS856504	Martin 2016 [3]
PIC97146	NA	1997	Mexico	NA	SAMN11635071	This report
PIC97335	NA	1997	Mexico	A1	SAMN11635072	This report
PIC97785	NA	1997	Mexico	NA	SAMN11635073	This report
PIC97750	NA	1997	Mexico	A2	SAMN11635074	This report
P10650	NA	1998	Mexico, Toluca	A1	SRS856503	Martin 2016 [3]
PIC98372	NA	1998	Mexico	NA	SRS856498	Martin 2016 [3]
P8844	NA	1982	Peru	A1	SRS856526	Martin 2016 [3]
PCZ026	PE6	1997	Peru, Cusco	NA	SRS856510	Martin 2016 [3]
PCZ098	EC1.3	1997	Peru, Cusco	NA	SRS856507	Martin 2016 [3]
PCO038	EC1	1997	Peru	NA	SRS856512	Martin 2016 [3]
PCZ033	EC1.2	1997	Peru, Cusco	NA	SRS856509	Martin 2016 [3]
P13198	EC1	1998	Ecuador, Napo	A1	SRS856502	Martin 2016 [3]
P13527	NA	2002	Ecuador	A1	ERS226844	Yoshida 2013 [4]
P13626	NA	2003	Ecuador	A1	ERS226845	Yoshida 2013 [4]
P6570	NA	1989	The Netherlands	A1	SRS856513	Martin 2016 [3]
06_3928A	Blue13	2006	England	A2	ERS226850	Cooke 2012 [1]
NL07434	NA	2007	The Netherlands	NA	ERS226846	Yoshida 2013 [4]

References

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- [2] MD Martin, E Cappellini, JA Samaniego, ML Zepeda, PF Campos, A Seguin-Orlando, N Wales, L Orlando, SYW Ho, FS Dietrich, et al. Reconstructing genome evolution in historic samples of the Irish potato famine pathogen. *Nature Communications*, 4, 2013.
- [3] MD Martin, FG Vieira, SYW Ho, N Wales, M Schubert, A Seguin-Orlando, JB Ristaino, and MTP Gilbert. Genomic characterization of a South American *Phytophthora* hybrid mandates reassessment of the geographic origins of *Phytophthora infestans*. *Molecular Biology and Evolution*, 33(2):478–491, 2015.
- [4] K Yoshida, VJ Schuenemann, LM Cano, M Pais, B Mishra, R Sharma, C Lanz, FN Martin, S Kamoun, J Krause, et al. The rise and fall of the *Phytophthora infestans* lineage that triggered the Irish potato famine. *Elife*, 2:e00731, 2013.