

**Table S1** *P. tritici-repentis* isolates used in this study

Isolate name	Race	Geographic location	Path/non-path	Analyses
BFP-ToxA/C	1	S. Dakota, USA	Path	Reference Genome/EST/PCR
ASC1	1	Manitoba, Canada	Path	PCR
86-124	2	Manitoba, Canada	Path	PCR
D308	3	Manitoba, Canada	Path	PCR
DW2	5	N. Dakota, USA	Path	PCR
DW7	5	N. Dakota, USA	Path	Resequencing
SO3	?	Oregon, USA	Path	EST/PCR
SD20-NP	4	S. Dakota, USA	Non-path	Resequencing/EST/PCR
90-2	4	Manitoba, Canada	Non-path	PCR
98-31-2	4	N. Dakota, USA	Non-path	PCR