



Table 1. *Verticillium* strains identified from *Brassica* crops and reference isolates used in this study.

Strain ID.	Host	Verticillium Species	Lineage	Strain origin
VL-H1 ^{1,2,3}	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H21 ^{2,3}	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H3 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H4 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H5 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H6 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H7 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H8 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H9 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H10 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H11 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H12 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H13 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H14 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H15 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H16 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H17 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H18 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H19 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H20 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H21 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H22 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H23 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H24 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H25 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H26 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H27 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H28 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-H29 ²	Canola	<i>V. longisporum</i>	A1/D1	Canola field, Portage La Prairie, Manitoba
VL-R ^{2,3}	Radish	<i>V. longisporum</i>	A1/D1	Radish field, Portage La Prairie, Manitoba
Vd-M ^{2,3}	Mustard	<i>V. dahliae</i>	-	Mustard field, Portage La Prairie, Manitoba
PD638 (0120) ^{3,4}	Oilseed rape	<i>V. longisporum</i>	A1/D1	University of Gottingen, Tiedemann Lab
PD629 (1196) ^{3,4}	Horseradish	<i>V. longisporum</i>	A1/D2	UC, Davis, Subbarao Lab
PD687 (1197) ^{3,4}	Horseradish	<i>V. longisporum</i>	A1/D3	UC, Davis, Subbarao Lab
Vd-Potato (Vd1396-9) ^{3,4}	Potato	<i>V. dahliae</i>	-	University of Manitoba, Daayf Lab

¹ VL-H1 was used for morphological identification.

² Verticillium isolates were used for multiplex PCR identification and finally categorized as *V. longisporum* A1/D1 (data not shown). As well, these isolate were included in pathogenicity test.

³ Verticillium isolates were used for different PCR assays validation and PCR-RFLP characterization.

⁴ Verticillium isolates were used as reference isolates of *V. dahliae* and different lineages of *V. longisporum*.