Table S1. Amount of *V. longisporum* VL43-DNA detected by qPCR with ITS primers in *B. napus*. Status of infection rate in mycelium-spore inoculated plants calculated in ng VL DNA g⁻¹ FW;VL without +S/-S fertilization: samples of 3 dpi without different sulfur fertilization, only distilled water as required; 7 dpi and 14 dpi: plants were fertilized with different sulfur supply; due to the limited plant material, only one measurement could be carried out. TPI I, 1 h before the onset of the light; TPI II, 3 h after the onset of the light; TPI III, 1 h before the light is switched off. Significant change in the measured values over the harvest period 3, 7 and 14 dpi (p = 0.001); Significant decrease in VL43-DNA contents between 3 and 14 dpi (p = 0.0008) and 7 and 14 dpi

(p= 0.03).		
3 dpi/ng VL	VL without +S/-S fertilization	VL without +S/-S fertilization
DNA g ⁻¹ FW		
TPI I	18.65	30.31
TPI II	10.48	67.53
TPI III	65.59	225.51
TPI IV	76.39	63.54
7 dpi/ng VL	VL +S	VL -S
DNA g ⁻¹ FW		
TPI I	2.35	5.14
TPI II	18.69	12.86
TPI III	27.58	63.59
TPI IV	19.66	32.27
14 dpi/ng VL	VL +S	VL -S
DNA g ⁻¹ FW		
TPI I	8.59	1.54
TPI II	1.42	29.06
TPI III	0.87	10.74
TPI IV	0.83	3.06

Table S2. Contents of iGSLs (glucobrassicin, neoglucobrassicin and 4-hydroxyglucobrassicin) in mock- and mycelium-spore inoculated plants at 7 dpi and 14 dpi; data from 7 and 14 dpi represent the result of one measurement; hypothetical SDs of samples from 7 dpi based on previous measurements can range between 2-25%; random SDs of samples from 14 dpi based on three dependent technical replicates; the reason for only one measurement is the low amount of the plant material due to space limitation in climatic chambers; Significant differences in dpi (p = 0.0001) and different sulfur supply (p = 0.00005).

	Glucobrassicin [nmol g-1 DW]												
7 dpi	C+S	VL +S	C-S	VL -S	14 dpi	C+S	VL +S	C -S	VL -S				
TPI I	144.96	173.06	89.57	98.57	TPI I	89.41 ± 4.86	94.49 ± 2.67	0.29	0.35				
TPI II	125.51	213.65	69.79	109.92	TPI II	85.15	106.98	0.17 ± 0.02	4.02 ± 0.33				
TPI III	194.77	203.16	178.41	133.67	TPI III	111.84 ± 7.85	108.51	8.32	1.52				
TPI IV	137.08	238.15	71.64	131.54	TPI IV	89.98	128.79 ± 2.33	0.93	4.02 ± 0.18				
Neoglucobrassicin [nmol g-1 DW]													
7 dpi	C+S	VL +S	C-S	VL -S	14 dpi	C+S	VL +S	C -S	VL -S				
TPI I	37.63	21.18	27.03	25.48	TPI I	18.52 ± 1.79	18.72 ± 1.30	3.79	1.71				
TPI II	21.84	21.52	30.44	16.26	TPI II	29.46	16.14	2.86 ± 0.84	5.11 ± 0.68				
TPI III	43.57	22.93	36.22	18.05	TPI III	22.83 ± 0.45	15.00	9.38	4.02				
TPI IV	34.73	32.02	33.76	20.28	TPI IV	20.30	24.57 ± 1.75	3.92	3.53 ± 0.19				
			4-	Hydroxyg	lucobrass	icin [nmo	l g-1 DW]						
7 dpi	C+S	VL +S	C-S	VL-S	14 dpi	C+S	VL +S	C-S	VL -S				

TPI I	6.35	20.62	10.78	1.98	TPI I	11.33 ± 1.96	10.69 ± 3.95	0.17	0.19
TPI II	10.25	26.68	8.86	14.41	TPI II	17.34	8.04	0.15 ± 0.03	0.30 ± 0.03
TPI III	9.16	24.66	15.52	13.67	TPI III	22.61 ± 2.67	15.67	0.82	0.15
TPI IV	8.30	8.58	6.10	10.76	TPI IV	17.19	21.10 ± 1.09	0.12	0.19 ± 0.03

Table S3. Contents of aGSLs (progoitrin, glucoalyssin, glucoraphanin, glucobrassicanapin and gluconapin) in mock- and mycelium-spore inoculated plants at 7 dpi and 14 dpi; data from 7 and 14 dpi represent the result of one measurement; hypothetical SDs of samples from 7 dpi based on previous measurements can range between 3-35%; random SDs of samples from 14 dpi based on three dependent technical replicates; the reason for only one measurement is the low amount of the plant material due to space limitation in climatic chambers; Significant differences in dpi (p = 0.002) and different sulfur supply (p = 0.0006).

	Progoitrin [nmol g-1 DW]												
7 dpi	C+S	VL +S	C-S	VL-S	14 dpi	C+S	VL +S	C -S	VL -S				
TPI I	16 60	116 28	26.18	22.06	TPI I	75.73 ±	81.23 ±	1 44	1 28				
	40.09	110.56	20.10	32.90		5.39	8.60	1.44	1.56				
TPI II	67.91	147.12	12.71	77.83	TPI II	62.30	91.98	1.12 ± 0.39	0.94 ± 0.23				
TPI III	74 50	165 23	83 57	77.06	TPI III	$144.08 \pm$	97 57	0.62	1.04				
	74.30	105.25	65.52	77.00		13.49	97.57	0.02	1.04				
TPI IV	60.46	108 50	18 34	57 77	TPI IV	83 74	$115.09 \pm$	0.96	0.39 ± 0.03				
	00.40	100.50	10.54	57.77		05.74	3.81	0.90	0.39 ± 0.03				
				Gluco	alyssin [n	mol g ⁻¹ DW]						
7 dpi	C+S	VL +S	C -S	VL -S	14 dpi	C+S	VL +S	C -S	VL -S				
TPI I	21 29	79 30	8 57	9 29	TPI I	$62.20 \pm$	$62.70 \pm$	7 34	7 30				
	21.27	79.00	0.07).2)		3.60	5.49	7.04	7.50				
TPI II	22.25	70.05	7.18	41.80	TPI II	59.38	83.87	4.75 ± 1.39	4.66 ± 0.33				
TPI III	29.51	81.34	36.07	13 70	TPI III	121.51 ±	82 21	3 83	5.06				
	20101	01101	00107	100.0		15.68	02.21	0.00	0.00				
TPI IV	24.17	52.28	5.08	14.98	TPI IV	74.60	76.85 ±	5.55	3.62 ± 0.31				
							4.06						
				Glucor	aphanin [nmol g-1 DV	V]						
7 dpi	C+S	VL +S	C -S	VL -S	14 dpi	C+S	VL +S	C -S	VL -S				
TPI I	3.73	11.99	0.90	1.64	TPI I	13.59 ±	$10.89 \pm$	2.11	3.03				
						0.70	0.80						
TPI II	2.82	10.24	1.16	6.78	TPI II	15.57	15.71	1.77 ± 0.46	4.31 ± 1.27				
TPI III	3.33	12.38	5.44	2.76	TPI III	$15.05 \pm$	13.12	4.39	3.35				
						1.26							
TPI IV	2.87	9.00	0.77	2.98	TPI IV	14.80	$12.52 \pm$	2.38	4.96 ± 0.56				
				<u></u>			0.87						
				Glucobra	ssicanapi	n [nmol g-1]							
7 dp1	C +S	VL+S	C-S	VL-S	14 dp1	<u>C+S</u>	VL +S	C-S	VL-S				
TPII	11.55	32.97	2.65	3.59	TPH	40.08 ±	42.39 ±	0.09	0.05				
	16.00	24.22	1.00	22.05	TDLU	2.41	3.19	0.05 . 0.02	0.10 . 0.00				
TPLII	16.89	34.22	1.30	23.85	TPLII	30.38	39.52	0.05 ± 0.02	0.18 ± 0.09				
1 P1 III	18.55	39.10	20.91	6.79	1P1III	72.11 ±	53.44	0.01	0.19				
						5.51	(2.04)						
IPIIV	11.31	22.84	2.06	5.34	119110	41.24	63.94 ±	0.04	0.44 ± 0.14				
				Cl	r		1.25						
- 1 ·	<u>C - C</u>	VI C	0.0	Glue	unapin [n:		VI C	0.0	VI C				
7 dp1	C+5	VL +S	C-5	VL -S	14 dp1	0.45	VL +5	C-5	VL -5				
IPH	9.59	46.48	3.06	5.83	1111	33.28 ±	$34.28 \pm$	0.24	0.56				
TDUU	14 171	20 7/	0.74	04.10	TDUU	2.52	2.91	0.00 + 0.00	1.07 + 0.20				
1 PI II	14.71	38.76	2./4	24.13	11411	32.41	37.68	0.23 ± 0.03	1.07 ± 0.29				

Table S4. Contents of the bGSL gluconasturtiin in mock- and mycelium-spore inoculated plants at 7 dpi and 14 dpi; data from 7 and 14 dpi represent the result of one measurement; hypothetical SDs of samples from 7 dpi based on previous measurements can range between 1-25%; random SDs of samples from 14 dpi based on three dependent technical replicates; the

reason for only one measurement is the low amount of the plant material due to space limitation in climatic chambers; Significant differences in dpi (p = 0.000005) and different sulfur supply (p = 0.0001), significant difference between control and VL-infected plants (p = 0.000001).

Gluconasturtiin [nmol g ⁻¹ DW]												
7 dpi	C+S	VL +S	C-S	VL -S	14 dpi	C+S	VL +S	C-S	VL -S			
TPI I	45.57	161.14	56.22	119.96	TPI I	50.96 ± 3.72	74.83 ± 4.18	6.51	16.46			
TPI II	38.63	175.12	68.49	132.88	TPI II	51.01	88.05	7.51 ± 1.87	41.63 ± 3.26			
TPI III	54.20	265.78	73.64	246.87	TPI III	58.02 ± 4.61	94.75	29.21	27.97			
TPI IV	53.42	211.73	65.48	201.44	TPI IV	48.25	108.50 ± 3.44	10.64	39.03 ± 0.08			

Table S5. Thiol analysis by HPLC: contents of cysteine and glutathione (GSH) in mock- and mycelium- spore inoculated plants at 7 and 14 dpi; data of 7 dpi represents the result of one measurement, data of 14 dpi represents the mean of three dependent technical replicates \pm SD; the reason for only one measurement is the low amount of the plant material due to space limitation in climatic chambers; Significant differences in dpi (p = 0.003) and different sulfur supply (p = 0.0005).

Cysteine [nmol g ⁻¹ FW]												
7 dpi	C+S	VL +S	C -S	VL-S	14 dpi	C+S	VL +S	C-S	VL -S			
TPI I	10.46	25.00	((1	(57	TPI I	$15.55 \pm$	16 40 + 1 21	4.86 ±	2.15 ± 0.07			
	19.46	25.06	6.61	6.57		1.30	16.40 ± 1.21	0.35	2.15 ± 0.97			
TPI II	20.10	21.40	6.26	16 20	TPI II	$18.44 \pm$	15.02 + 1.29	2.09 ±	2.25 + 0.22			
	20.10	21.49	6.36	16.29		1.27	15.03 ± 1.38	0.66	2.35 ± 0.23			
TPI III	24.47	24.41	16.90	15.42	TPI III	$14.73 \pm$	1E 9E + 1 90	3.47 ±	274 + 075			
	24.47	24.41	16.82	15.43		1.17	15.85 ± 1.89	0.41	2.74 ± 0.75			
TPI IV	21 10	22.20	7.02	12.00	TPI IV	19.75 ±	16 61 + 1 74	3.01 ±	4.04 + 0.99			
	21.10	23.20	7.92	12.00		1.31	16.61 ± 1.74	0.34	4.04 ± 0.88			
				G	SH [nmo	l g-1 FW]						
7 dpi	C+S	VL +S	C -S	VL-S	14 dpi	C+S	VL +S	C-S	VL -S			
TPI I	(07.27	702 ((100 72	105 10	TPI I	529.03	552.76 ±	$50.70 \pm$	(1.00 + 1.02)			
	607.37	703.66	199.73	185.18		± 34.40	17.12	2.71	61.89 ± 1.93			
TPI II	(02.29	(25.94	175.00		TPI II	532.53	$648.41 \pm$	66.61 ±	82.20 + 2.44			
_	602.28	035.04	175.06	365.65		± 23.21	20.23	2.12	62.39 ± 3.44			
TPI III	710 (0	(9(10	E00 (9	42(01	TPI III	604.46	643.96 ±	$107.78 \pm$	06.05 + 15.04			
	/18.60	686.40	509.68	426.91		± 32.94	50.59	15.59	96.95 ± 15.04			
TPI IV	E71 0E	610.67	202.95	106.24	TPI IV	639.49	647.01 ±	88.46 ±	70.08 + 2.40			
	571.95	019.67	202.85	190.34		± 13.91	30.64	2.82	79.90 ± 3.40			

Table S6. Elemental analysis: contents of sulfur, calcium, potassium and iron in mock- and mycelium- spore inoculated plants measured by ICP-OES at 7 and 14 dpi; data represent the mean of three dependent technical replicates \pm SD; Difference in sulfur content between 7 and 14 dpi was significant (p = 0.0001), difference in the potassium content between 7 and 14 dpi was significant (p = 0.0001).

	Sulfur [mg g ⁻¹ DW]												
7 dpi	C+S	VL +S	C-S	VL -S	14 dpi	C+S	VL +S	C -S	VL -S				
TPI I	$8.43 \pm$	$5.61 \pm$	1.39 ±	1.87 ±	TPI I	6.37 ±	5.50 ± 0.02	0.20 ± 0.00	0.62 ± 0.01				
	0.07	0.03	0.01	0.01		0.03	5.59 ± 0.03	0.30 ± 0.00	0.62 ± 0.01				
TPI II	8.09 ±	$5.46 \pm$	1.23 ±	2.27 ±	TPI II	6.49 ±	4 56 + 0.01	0.21 ± 0.00	0.72 ± 0.00				
	0.01	0.03	0.00	0.01		0.05	4.36 ± 0.01	0.21 ± 0.00	0.75 ± 0.00				
TPI III	$9.40 \pm$	$5.64 \pm$	3.27 ±	1.77 ±	TPI III	$4.26 \pm$	4.27 + 0.01	0.04 + 0.00	0.72 ± 0.00				
	0.04	0.01	0.01	0.02		0.01	4.37 ± 0.01	0.94 ± 0.00	0.73 ± 0.00				
TPI IV	8.23 ±	8.96 ±	$1.50 \pm$	$2.02 \pm$	TPI IV	5.79 ±	4 50 + 0.02	0.20 + 0.00	0.56 ± 0.01				
	0.02	0.02	0.01	0.01		0.02	4.39 ± 0.02	0.29 ± 0.00	0.36 ± 0.01				
				Calc	ium [mg g	51 DW]							
7 dpi	C+S	VL +S	C-S	VL -S	14 dpi	C+S	VL +S	C -S	VL -S				

TPI I	22.89 ±	15.73 ±	21.22 ±	21.33 ±	TPI I	16.86 ±	17.26 ±	22.81 ±	10.07 . 0.10
	0.18	0.15	0.25	0.21		0.15	0.04	0.16	18.07 ± 0.18
TPI II	22.63 ±	$14.73 \pm$	$20.38 \pm$	16.78 ±	TPI II	$18.27 \pm$	13.03 ±	23.83 ±	10 (5 + 0.15
	0.32	0.17	0.22	0.17		0.26	0.01	0.11	18.65 ± 0.15
TPI III	21.31 ±	13.19 ±	19.73 ±	16.66 ±	TPI III	13.33 ±	$14.16 \pm$	17.23 ±	22.05 ± 0.17
	0.16	0.13	0.14	0.12		0.20	0.05	0.10	22.05 ± 0.17
TPI IV	$21.46 \pm$	$19.14 \pm$	$20.01 \pm$	$15.22 \pm$	TPI IV	$16.06 \pm$	$13.03 \pm$	$20.24 \pm$	19 42 + 0.06
	0.04	0.17	0.26	0.05		0.08	0.02	0.10	18.42 ± 0.06
				Potas	sium [mg	g-1 DW]			
7 dpi	C+S	VL +S	C -S	VL -S	14 dpi	C+S	VL +S	C -S	VL -S
TPI I	57.81 ±	29.20 ±	$48.56 \pm$	29.18 ±	TPI I	$24.64 \pm$	7.95 + 0.00	27.71 ±	15.01 + 0.02
	0.17	0.08	0.33	0.21		0.00	7.85 ± 0.00	0.25	15.91 ± 0.02
TPI II	$52.00 \pm$	$19.84 \pm$	$31.39 \pm$	$18.81 \pm$	TPI II	$21.35 \pm$	10.36 ±	21.99 ±	16.99 + 0.02
	0.13	0.00	0.00	0.01		0.11	0.00	0.09	16.88 ± 0.03
TPI III	$62.42 \pm$	$29.28 \pm$	$41.51 \pm$	$25.26 \pm$	TPI III	$15.51 \pm$	7.22 ± 0.00	$12.88 \pm$	10.04 + 0.01
	0.01	0.04	0.01	0.12		0.06	7.52 ± 0.00	0.00	19.94 ± 0.01
TPI IV	63.33 ±	$26.21 \pm$	$48.28 \pm$	$20.89 \pm$	TPI IV	$21.58 \pm$	$11.69 \pm$	$24.56 \pm$	10.17 ± 0.00
	0.29	0.19	0.25	0.00		0.00	0.00	0.09	19.17 ± 0.09
				Ire	on [µg g-1]	DW]			
7 dpi	C+S	VL +S	C -S	VL -S	14 dpi	C+S	VL +S	C -S	VL -S
TPI I	101.98	$83.40 \pm$	104.45	100.86	TPI I	$66.51 \pm$	91.61 ±	38.68 ±	40.16 + 0.27
	± 0.27	0.47	± 0.51	± 0.36		0.23	0.27	0.28	49.10 ± 0.27
TPI II	102.79	$91.38 \pm$	105.55	$76.68 \pm$	TPI II	$68.46 \pm$	59.13 ±	35.12 ±	25.47 ± 0.00
	± 0.28	0.31	± 0.00	0.20		0.04	0.08	0.19	33.47 ± 0.00
TPI III	$92.44 \pm$	$101.03 \pm$	107.76	124.21	TPI III	$53.21 \pm$	$62.24 \pm$	$54.28 \pm$	18.20 ± 0.27
	0.31	0.16	± 0.20	± 0.83		0.47	0.20	0.04	40.27 ± 0.27
TPI IV	108.58	$113.52 \pm$	115.25	170.63	TPI IV	62.32 ±	57.47 ±	57.13 ±	66.22 ± 0.08
	± 0.00	1.02	± 0.08	± 0.39		0.27	0.00	0.08	00.22 ± 0.00

Table S7. Occurrence of occlusions at 14 and 21 dpi in the mid area of the xylem of *B. napus* plants infected with *V. longisporum* strain VL43; data represent the mean of five dependent technical replicates

± SD.

Occurrence of occlusions in the mid area of the xylem [%]											
14 dpi	VL +S	VL -S	21 dpi	VL +S	VL -S						
TPI I	9.46 ± 0.29	19.53 ± 0.67	TPI I	1.12 ± 0.23	34.45 ± 1.61						
TPI II	19.53 ± 0.89	9.73 ± 0.45	TPI II	34.45 ± 1.43	42.96 ± 0.83						
TPI III	9.73 ± 0.52	12.15 ± 0.72	TPI III	42.96 ± 0.94	0.55 ± 1.52						
TPI IV	12.15 ± 0.60	5.16 ± 1.33	TPI IV	0.55 ± 0.19	14.04 ± 0.33						

Table S8. Elemental analysis: contents of calcium, potassium and iron in mock- and myceliumspore inoculated plants measured by ICP-OES at 7 and 14 dpi; data represent the mean of three dependent technical replicates ± SD.

Calcium [mg g-1 DW]												
7 dpi	C+S	VL +S	C -S	VL-S	14 dpi	C+S	VL +S	C -S	VL -S			
TPI I	17.51 ±	$13.94 \pm$	11.75 ±	$18.00 \pm$	TPI I	$16.80 \pm$	$14.27 \pm$	$16.24 \pm$	12.71 ± 0.12			
	0.27	0.14	0.03	0.20		0.24	0.11	0.01	12.71±0.13			
TPI II	21.29 ±	$16.90 \pm$	$16.36 \pm$	$21.74 \pm$	TPI	$16.07 \pm$	$17.23 \pm$	17.91 ±	10.85 + 0.00			
	0.27	0.13	0.21	0.16	II	0.08	0.24	0.05	19.83 ± 0.09			
TPI III	$20.83 \pm$	$17.07 \pm$	$21.58 \pm$	$13.15 \pm$	TPI	$16.18 \pm$	16.56 ±	$21.47 \pm$	17.00 ± 0.01			
	0.18	0.12	0.24	0.18	III	0.12	0.26	0.13	17.09 ± 0.01			
TPI IV	$14.01 \pm$	$14.19 \pm$	$16.79 \pm$	$12.73 \pm$	TPI	$15.45 \pm$	$14.93 \pm$	$18.85 \pm$	15 68 + 0.22			
_	0.10	0.08	0.04	0.11	IV	0.06	0.16	0.12	15.68 ± 0.23			
				Potas	sium [m	g g-1 DW]						
7 dpi	C+S	VL +S	C -S	VL -S	14 dpi	C+S	VL +S	C -S	VL -S			
TPI I	$38.10 \pm$	27.66 ±	$21.68 \pm$	$35.27 \pm$	TPI I	$14.88 \pm$	E 86 + 0.00	33.36 ±	12.11 ± 0.02			
	0.11	0.14	0.23	0.17		0.05	5.86 ± 0.00	0.09	12.11 ± 0.03			
TPI II	35.79 ±	$34.01 \pm$	$23.64 \pm$	$40.75 \pm$	TPI	6.76 ±	5.28 ± 0.00	27.96 ±	12.81 ± 0.04			
	0.17	0.00	0.13	0.14	II	0.00	5.56 ± 0.00	0.26	12.01 ± 0.04			
TPI III	49.47 ±	25.27 ±	26.58 ±	$10.80 \pm$	TPI	7.58 ±	8.10 ± 0.02	26.86 ±	15.48 ± 0.02			
	0.22	0.04	0.06	0.06	III	0.00	0.19 ± 0.02	0.13	15.46 ± 0.05			

TPI IV	31.22 ± 0.17	19.64 ± 0.13	43.25 ± 0.18	15.31 ± 0.01	TPI IV	14.41 ± 0.06	12.33 ± 0.08	8.42 ± 0.00	35.74 ± 0.27
Iron [µg g ⁻¹ DW]									
7 dpi	C+S	VL +S	C -S	VL -S	14 dpi	C+S	VL+S	C -S	VL -S
TPI I	102.13	77.01 ±	91.76 ±	87.51 ±	TPI I	69.13 ±	$60.20 \pm$	$44.49 \pm$	50.67 + 0.16
	± 0.00	0.00	0.55	0.00		0.00	0.04	0.00	50.67 ± 0.16
TPI II	112.91	$76.10 \pm$	127.91	$91.85 \pm$	TPI	$68.01 \pm$	$72.47 \pm$	49.52 ±	60.71 ± 0.20
	± 0.00	0.00	± 0.00	0.08	II	0.00	0.43	0.00	60.71 ± 0.20
TPI III	127.68	$83.05 \pm$	112.32	96.23 ±	TPI	$70.68 \pm$	72.32 ±	$60.04 \pm$	9E 20 + 0 10
	± 0.00	0.00	± 0.00	0.00	III	0.00	0.00	0.00	85.39 ± 0.19
TPI IV	67.79 ±	75.08 ±	99.86 ±	89.76 ±	TPI	66.35 ±	65.41 ±	54.67 ±	E2 0E + 0.04
	0.00	0.00	0.00	0.00	IV	0.00	0.12	0.00	53.95 ± 0.04



Figure S1. *Brassica napus* plants at 14 dpi cultivated at two different sulfur regimes and either infected with the *V. longisporum* strain VL43 or non-infected. Plants under sufficient (1 mM MgSO4: +S) and deficient (0.01 mM MgSO4: -S) sulfur supply at 14 dpi; A1-A4: control plants +S; B1-B4: VL-infected plants +S; C1-C4: control plants -S; D1-D4: VL-infected plants -S; red scale bar 5 cm.



Figure S2. Occurrence of occlusions in the xylem of *B. napus*: toluidine blue stained cross sections of hypocotyls of mycelium-spore inoculated plants. 14 dpi: A1-A4: VL-infected +S at TPI I-IV; B1-B4: VL- infected -S at TPI I-IV; 21 dpi: C1-C4: VL-infected +S at TPI I-IV; D1-D4: VL-infected -S at TPI I-IV; scale bar 100 μm.



Figure S3. Cross sections of hypocotyls of control plants at 14 and 21 dpi. Cross sections were stained with toluidine blue; 14 dpi: A1-A4: control +S at TPI I-IV; B1-B4: control -S at TPI I-IV; 21 dpi: C1-C4: control +S at TPI I-IV; D1-D4: control -S at TPI I-IV; scale bar 500 µm.



Figure S4. Cross sections of hypocotyls of control plants at 14 and 21 dpi. Cross sections were stained with toluidine blue; 14 dpi: A1-A4: control +S at TPI I-IV; B1-B4: control -S at TPI I-IV; 21 dpi: C1-C4: control +S at TPI I-IV; D1-D4: control -S at TPI I-IV; scale bar 500 μm.