

**Supplementary Table 3.** Correlations between the parameters measured for the three *Medicago* species lines studied under the control treatment (below the diagonal) and under infection with the Pm8 strain (above the diagonal)

	YC	PycL	NDL	NDP	LR	NSR	RBL	PycR	PycR/RBL	FWL	FWR	PW
YC	<b>1.00</b>	0.56**	0.68**	0.30**	-0.11*	-0.24**	0.08	0.26**	0.23**	-0.44**	-0.21**	-0.40**
PycL	ND	<b>1.00</b>	0.58**	0.42**	-0.09	-0.10*	0.05	-0.04	-0.06	-0.18**	-0.07	-0.16**
NDL	0.08	ND	<b>1.00</b>	0.38**	-0.28**	-0.21**	-0.13**	0.15**	0.24**	-0.35**	-0.27**	-0.36**
NDP	0.14**	ND	0.00	<b>1.00</b>	-0.01	-0.06	0.06	0.00	-0.01	-0.14**	-0.01	-0.11*
LR	-0.02	ND	-0.10*	0.02	<b>1.00</b>	0.31**	0.89**	-0.07	-0.24**	0.30**	0.34**	0.35**
NSR	-0.16**	ND	-0.05	-0.03	0.34**	<b>1.00</b>	0.20**	-0.13**	-0.14**	0.67**	0.39**	0.64**
RBL	ND	ND	ND	ND	ND	ND	<b>1.00</b>	0.05	-0.19**	0.17**	0.30**	0.23**
PycR	ND	ND	ND	ND	ND	ND	ND	<b>1.00</b>	0.62**	-0.23**	-0.18**	-0.24**
PycR/RBL	ND	ND	ND	ND	ND	ND	ND	ND	<b>1.00</b>	-0.21**	-0.23**	-0.24**
FWL	-0.27**	ND	-0.09	-0.05	0.43**	0.68**	ND	ND	ND	<b>1.00</b>	0.58**	0.95**
FWR	-0.09	ND	-0.07	-0.03	0.44**	0.51**	ND	ND	ND	0.71**	<b>1.00</b>	0.80**
PW	-0.22**	ND	-0.09	-0.05	0.46**	0.66**	ND	ND	ND	0.96**	0.88**	<b>1.00</b>

\*\*Correlation is significant at the 0.01 level (2-tailed), \*Correlation is significant at the 0.05 level (2-tailed). The values in bold are different from 0 to a level of significance where alpha = 0.05.

YC, number of yellow cotyledons; PycL, number of leaf pycnidia; NDL, number of dead leaves; NDP, number of dead plants; LR, root length; NSR, number of secondary roots; RBL, root browning length; PycR, number of root pycnidia; FWL, fresh weight of leaves; FWR, fresh weight of roots; PW, plant weight; ND, not detected.

**Supplementary Table 4.** Eigenvalues of the first four axes (F) of the principal component analysis, cumulative variances, and coordinates of the parameters measured in the three species of *Medicago*

	F1	F2	F3	F4	F5
Control treatment					
Eigenvalue	3.79	0.73	0.33	0.15	-
Variability (%)	75.84	14.62	6.53	3.01	-
% Cumulated	75.84	90.46	96.99	100.00	-
LR	0.60	0.80	0.11	0.02	-
NSR	0.86	-0.27	0.40	0.18	-
FWL	0.96	-0.12	0.04	-0.26	-
FWR	0.90	-0.04	-0.38	0.20	-
PW	0.98	-0.10	-0.11	-0.11	-
Pm8 infection					
Eigenvalue	4.30	3.25	1.53	1.31	0.56
Variability (%)	35.85	27.08	12.76	10.94	4.69
% Cumulated	35.85	62.93	75.69	86.63	91.32
YC	-0.38	0.83	0.09	-0.08	0.15
PycL	0.06	0.91	-0.13	0.00	-0.11
NDL	-0.37	0.84	-0.05	0.14	0.26
NDP	0.02	0.86	0.00	0.04	-0.04
LR	0.68	-0.02	0.49	-0.50	0.14
NSR	0.75	0.05	0.06	0.40	0.43
RBL	0.54	0.26	0.57	-0.54	0.02
PycR	-0.50	-0.02	0.75	0.32	-0.15
PycR/RBL	-0.60	-0.07	0.61	0.43	-0.01
FWL	0.88	-0.07	0.05	0.41	0.07
FWR	0.71	0.45	0.00	0.12	-0.47
PW	0.91	0.09	0.04	0.36	-0.09

LR, root length; NSR, number of secondary roots; FWL, fresh weight of leaves; FWR, fresh weight of roots; PW, plant weight ; YC, number of yellow cotyledons; PycL, number of leaf pycnidia; NDL, number of dead leaves; NDP, number of dead plants; RBL, root browning length; PycR, number of root pycnidia.



**Supplementary Fig. 1.** Culture in square Petri dish on agar medium of the line TN2.21 of *Medicago truncatula*.