

Table S1. Origin of *Pyrenophora teres* f. *teres* isolates and the infection response scores¹ obtained on 20 barley differentials.

Iso- late	Cultivar	Year	Barley differential																			
			Beecher	Canadian Lake Shore	Corvett	Diamond	Harbin	Manchurian	Prior	Skiff	Tifang	C-20019	CI 5791	CI 4207	CI 9819	CI 9825	CI 11458	Sylphid	Sebastian	Harrington	Botond	MV Initium
Karcag, Northern Great Plain of Hungary (Institute for Agricultural Research and Educational Farm of University of Debrecen)																						
Ka1	KG Puszta	2017	2.25	4.85	4.00	2.90	3.80	1.90	4.40	5.50	2.90	4.85	4.10	3.20	3.20	3.70	1.40	3.55	4.50	5.10	7.90	9.20
Ka2	KG Apavár	2017	1.60	1.90	4.80	3.10	4.65	3.00	3.90	1.10	4.00	2.15	1.25	1.50	4.10	1.60	1.25	0.90	1.70	4.80	7.50	6.60
Ka3	KH Tas	2017	2.35	2.15	3.65	1.95	2.55	1.35	2.40	4.15	2.00	3.40	2.75	2.30	2.55	2.85	1.00	2.85	4.15	4.25	8.00	7.90
Ka4	KG Puszta	2018	5.15	5.50	5.20	5.50	3.75	3.90	3.00	5.70	5.35	5.50	3.00	3.70	5.00	3.10	1.80	3.00	1.90	5.20	9.60	9.90
Ka5	KG Konta	2018	2.65	6.45	2.40	2.90	7.20	2.10	1.55	6.00	3.10	5.00	1.45	2.30	3.55	2.70	3.40	4.35	2.00	2.90	9.60	9.40
Ka6	KG Apavár	2018	4.30	9.90	3.70	3.80	7.65	3.00	2.60	2.35	4.20	4.65	3.30	4.30	4.75	3.90	2.80	3.65	5.20	2.20	6.75	9.50
Ka7	KH Tas	2018	3.70	4.60	3.85	4.55	7.95	2.55	7.10	3.60	5.00	4.00	4.20	4.40	7.90	3.45	1.40	3.00	3.70	5.90	6.30	8.60
Ka8	KH Kárpátia	2018	7.10	7.00	6.60	4.70	8.05	4.70	5.30	4.90	4.80	5.30	3.00	4.20	6.10	2.80	3.40	4.85	4.45	5.10	8.70	10.00
Ka9	KH Anatólia	2018	4.80	1.80	9.40	5.30	2.00	2.20	3.20	4.10	4.60	6.20	1.80	3.40	4.30	2.00	3.40	1.90	2.80	7.40	7.50	9.70
Ka10	KH Rudolf	2018	3.10	6.60	6.30	7.60	7.45	6.15	5.00	9.00	7.40	7.25	4.65	5.00	9.50	3.30	9.60	4.65	7.00	4.50	8.90	7.90
Ka11	Patina	2018	4.55	7.90	7.15	4.90	9.25	5.00	7.10	4.35	4.40	5.45	5.00	3.55	8.20	4.30	3.40	4.15	4.30	5.40	9.50	9.80
Ka12	Boreale	2018	5.10	3.90	5.25	3.80	3.85	3.30	7.50	4.65	3.80	4.60	4.15	3.10	7.65	3.20	2.35	3.80	4.00	4.40	8.00	7.00
Ka13	Boreale	2018	6.80	5.90	4.20	7.70	6.05	5.20	8.30	4.50	6.10	7.00	6.65	5.50	6.00	6.65	7.30	5.00	6.10	6.90	9.00	8.60
Ka14	MV Initium	2018	7.50	5.00	9.60	7.00	6.10	5.50	9.75	8.70	5.90	9.85	7.20	5.10	8.70	6.60	7.85	6.75	5.15	8.40	9.20	8.90
Ka15	GKH 30-15	2018	4.75	4.30	5.00	4.15	5.95	4.20	4.00	7.20	4.55	9.65	3.90	3.60	5.25	5.10	2.45	5.15	4.15	4.10	9.60	9.50
Ka16	Faktor	2018	7.10	7.50	7.25	8.40	7.55	8.00	9.15	5.15	8.10	4.75	5.60	7.50	9.20	6.00	6.85	5.00	5.00	9.45	9.60	9.40
Kompolt, Northern Hungary (Fleischmann Rudolf Research Institute, Eszterházy Károly University)																						
Ko1	MV Initium	2017	2.30	1.20	3.00	2.20	1.00	1.40	1.50	3.10	2.60	2.00	1.00	1.60	2.00	1.20	1.10	1.00	1.20	3.50	5.90	6.70
Ko2	KG Apavár	2018	2.45	2.60	7.15	3.70	1.55	2.20	1.45	3.15	2.80	4.00	1.70	2.00	3.00	2.90	0.90	2.00	1.00	6.70	7.85	9.10
Ko3	KG Apavár	2018	5.50	8.50	9.10	10.00	8.05	5.90	9.10	8.30	9.40	9.25	6.40	5.40	9.70	7.10	9.00	6.60	5.65	6.50	9.70	8.60

Table S1. *Cont.*

Iso- late	Cultivar	Year	Barley differential																			
			Beecher	Canadian Lake Shore	Corvett	Diamond	Harbin	Manchurian	Prior	Skiff	Tifang	C-20019	CI 5791	CI 4207	CI 9819	CI 9825	CI 11458	Sylphid	Sebastian	Harrington	Botond	MV Initium
Ko4	KWS	2018	4.75	7.10	8.00	5.00	9.20	4.30	4.45	5.00	5.75	5.15	4.80	4.50	8.15	4.50	3.60	4.40	4.15	3.80	8.10	8.60
Ko5	Faktor	2018	2.50	4.90	1.30	4.80	4.15	2.30	4.85	5.00	2.70	3.15	2.40	3.10	6.20	3.30	1.90	4.40	2.00	4.00	8.65	7.50
Ko6	Boreale	2018	5.50	4.40	5.50	5.50	6.20	4.45	4.40	5.15	4.90	7.15	4.40	4.30	8.35	4.35	3.60	3.60	4.50	4.60	9.90	9.90
Martonvásár, Central Transdanubia (Agricultural Institute, Centre for Agricultural Research)																						
M1	KH Turul	2008	4.45	0.60	1.45	3.00	0.50	0.40	0.25	3.90	2.40	2.75	1.20	0.30	2.40	1.25	0.00	1.00	0.00	2.90	6.20	8.40
M2	KH Center	2008	3.13	4.80	3.50	2.00	6.69	2.20	1.43	2.14	2.40	2.50	2.00	2.00	3.14	1.14	1.30	3.00	1.00	2.40	7.60	7.40
M3	KH Kárpátia	2018	5.20	9.00	8.75	9.00	8.40	4.00	9.90	9.00	8.70	8.80	5.15	3.10	9.65	4.25	6.10	4.85	4.75	9.70	9.55	9.20
M4	KG Konta	2018	2.10	1.45	5.15	2.60	2.15	2.00	3.15	1.10	3.10	3.10	1.80	1.60	4.00	3.20	1.60	2.10	2.20	5.90	6.70	8.70
M5	KH Zsombor	2018	4.00	4.50	9.15	5.90	6.85	6.70	3.65	6.40	6.35	5.70	4.40	6.50	9.75	4.20	6.65	4.85	4.90	7.60	8.30	8.80
M6	MV Initium	2018	4.90	7.00	6.50	3.60	7.40	5.60	4.00	4.60	4.00	4.90	1.90	5.10	3.90	2.70	2.65	3.90	3.15	4.45	9.30	9.20
M7	Faktor	2018	3.30	6.60	5.00	3.25	6.30	4.30	2.10	5.90	3.30	3.65	3.20	3.10	3.30	2.70	3.00	3.70	4.40	4.30	9.30	8.70
M8	KWS Meridian	2018	3.70	5.75	6.50	6.00	6.55	6.00	4.85	4.90	7.65	5.25	6.20	7.00	8.20	5.15	1.10	3.00	2.25	6.50	8.00	8.80
M9	Siberia	2018	3.65	6.90	4.00	3.90	6.30	4.30	2.45	7.45	4.15	4.00	2.90	4.15	4.35	2.55	4.30	5.00	5.90	4.10	8.25	9.20
M10	GKH 30-15	2018	5.20	4.80	6.00	4.50	4.65	4.90	3.55	8.45	4.00	4.55	3.45	3.80	4.65	3.65	4.00	5.30	4.15	5.00	9.60	8.70
M11	Boreale	2018	2.50	5.00	2.35	1.60	5.55	2.00	1.25	9.80	1.90	3.90	1.00	1.60	2.25	2.60	4.15	5.10	6.90	2.00	7.80	8.30
M12	KH TAS	2018	3.15	5.50	8.75	5.90	6.95	7.50	5.35	7.50	6.45	5.65	5.35	6.60	8.80	4.30	5.80	4.75	5.80	6.40	9.15	10.00
Overall mean			4.15	5.17	5.57	4.73	5.65	3.90	4.47	5.35	4.67	5.15	3.57	3.78	5.82	3.60	3.54	3.86	3.82	5.19	8.40	8.76

¹ Bold numbers indicate virulence (≥ 5.00) according to Tekauz [55].