

Supplementary Material SM6

MLD		TSv							
		1	1.5	2	3	4	5		
VSc	1	1.0	0.2	0.1	0.1	0.0	0.0	1.4	
	1.5	18.9	4.0	3.8	2.7	0.7	0.0	30.3	
	2	25.9	5.7	6.5	5.0	1.4	0.2	44.6	
	3	12.6	2.8	3.4	2.8	0.8	0.1	22.5	
	4	0.7	0.1	0.2	0.1	0.1	0.0	1.2	
		59.1	12.8	14.1	10.7	3.0	0.3	100.0	

BNR		TSv									
		1.0	1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0	
VSc	1	0.3	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.8
	1.5	8.8	2.9	4.0	3.3	1.5	0.4	0.3	0.0	0.0	21.2
	2	13.6	4.0	5.4	4.6	2.5	0.7	0.5	0.1	0.0	31.4
	3	10.4	3.3	5.4	5.0	3.0	0.9	1.0	0.2	0.1	29.2
	4	5.5	1.8	2.7	2.7	1.7	0.5	0.5	0.1	0.0	15.5
	5	0.5	0.2	0.3	0.4	0.2	0.0	0.1	0.0	0.0	1.8
		39.2	12.2	18.1	16.0	8.9	2.6	2.4	0.5	0.2	100.0

STB		TSv									
		1.0	1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0	
VSc	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	2	0.4	0.0	0.1	0.3	0.2	0.1	0.0	0.0	0.0	1.1
	3	11.0	1.1	5.4	10.9	10.4	5.2	1.8	0.0	0.0	45.8
	4	8.9	0.7	4.0	10.8	11.9	6.6	2.5	0.3	0.1	45.8
	5	1.1	0.1	0.5	1.6	2.0	1.0	0.4	0.3	0.1	7.1
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
		21.5	1.9	10.0	23.6	24.5	12.9	4.7	0.6	0.3	100.0

SNB		TSv						
		1.0	1.5	2.0	3.0	4.0		
VSc	1	3.7	0.0	0.0	0.0	0.0	0.0	
	1.5	3.0	0.1	0.2	0.0	0.0	3.2	
	2	43.6	0.9	2.7	1.1	0.3	48.7	
	3	38.4	0.4	2.3	1.0	0.8	42.8	
	4	1.4	0.0	0.0	0.0	0.0	1.5	
		86.3	1.3	5.2	2.3	1.1	96.3	

YLR		TSv							
		1.0	1.5	2.0	3.0	4.0	5.0	6	
VSc	1	16.0	0.9	0.3	0.1	0.1	0.0	0.0	17.4
	1.5	33.2	4.7	3.0	1.6	0.7	0.3	0.0	43.5
	2	16.2	4.2	4.1	2.5	0.8	0.5	0.1	28.3
	3	3.0	0.7	0.8	0.5	0.1	0.1	0.0	5.3
	4	2.0	0.5	0.5	0.3	0.1	0.1	0.0	3.4
	5	1.6	0.2	0.2	0.1	0.0	0.0	0.0	2.1
		72.0	11.2	8.8	5.1	1.8	0.9	0.2	100.0

Fig. S3 Two-dimensional frequency table with marginal distributions of variety disease susceptibility (VSc) and trial disease severity (TSv) as percent of total number of observations. (n= 23,083) from data 2005 – 2019

MLD Mildew; BNR Brown rust; STB Septoria tritici blotch; SNB Septoria nodorum blotch; YLR Yellow rust;