Table S1   Virulence / avirulence formulas for the four *Pst* races used in the GWAS for seedling resistance.

Pst race code	Virulence / avirulence formula
PSTv-4	**Yr1, Yr6, Yr9, Yr17, Yr27, YrSP, YrTye** */ Yr5, Yr7, Yr8, Yr10, Yr15, Yr24, Yr32, Yr43, Yr44, YrTr1, YrExp2*
PSTv-14	**Yr1, Yr6, Yr7, Yr8, Yr9, Yr17, Yr27, Yr43, Yr44, YrTr1, YrExp2, YrTye** */ Yr5, Yr10, Yr15, Yr24, Yr32, YrSP*
PSTv-37	**Yr6, Yr7, Yr8, Yr9, Yr17, Yr27, Yr43, Yr44, YrTr1, YrExp2** */ Yr1, Yr5, Yr10, Yr15, Yr24, Yr32, YrTye, YrSP*
PSTv-40	**Yr6, Yr7, Yr8, Yr9, Yr10, Yr24, Yr27, Yr32, Yr43, Yr44, YrTr1, YrExp2** */ Yr1, Yr5, Yr10, Yr15, YrTye, YrSP*

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