

**Table S3.** Summary of molecular screening of resistance genes in 15 parental genotypes. The resistant (R, in red) and susceptible (S, in yellow) alleles are reported for six genes: *Mi-1.2*, *Root-knot nematode* resistance; *Ph-3*, late blight resistance; *Sw-5*, *Tomato spotted wilt virus*; *Tm-2*, *Tomato mosaic virus* resistance; *Ty-3*, *Tomato yellow leaf curl virus* resistance; *Ve-1*, *Verticillium wilt* resistance.

GENOTYPE	RESISTANCE GENES					
	<i>Mi-1.2</i>	<i>Ph-3</i>	<i>Sw-5</i>	<i>Tm-2</i>	<i>Ty-3</i>	<i>Ve-1</i>
E7	R	S	S	S	S	S
E11	R	R	S	S	S	R
E20	R	S	S	S	S	S
E36	R	R	S	S	S	S
E42	R	S	S	S	S	R
E45	R	R	S	S	S	S
E48	R	R	S	S	S	S
E55	R	R	S	S	R	S
E103	R	S	S	R	S	S
E109	R	R	S	S	S	R
E111	R	R	S	S	S	S
LA2662	R	S	S	S	S	S
LA3120	R	S	S	S	S	S
PDLUC	R	R	S	S	R	S
PDVIT	R	S	S	R	R	S