

Supplementary material

Assessment of resistance to PVY in interspecific hybrids obtained by combining type *va* resistance from *Nicotiana tabacum* with the resistance from PVY-immune species *Nicotiana africana*

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Figure S1. The plants of parental forms: (a) *Nicotiana tabacum* cv. VAM $2n=48$; (b) *Nicotiana africana* $2n=46$



Figure S2. The hybrid forms: (a) amphihaploid F_1 $2x$ (*N. tabacum* cv. VAM \times *N. africana*) $2n=47$; (b) amphidiploid F_1 $4x$ (*N. tabacum* cv. VAM \times *N. africana*) $2n=94$



Figure S3. Hybrids forms: (a) amphidiploid F_2 4x (*N. tabacum* cv. VAM \times *N. africana*) $2n=94$; (b) amphidiploid F_3 4x (*N. tabacum* cv. VAM \times *N. africana*) $2n=94$



Figure S4. Sesquidiploid BC₁ 3x (*N. tabacum* cv. VAM x *N. africana*) x *N. tabacum* cv. VAM 2n=71



Figure S5. The plants of parental forms: (a) *Nicotiana tabacum* cv. Wiślica $2n=48$; (b) *Nicotiana africana* $2n=46$



Figure S6. The hybrid forms: (a) amphihaploid F_1 $2x$ (*N. tabacum* cv. Wiślica \times *N. africana*) $2n=47$; (b) amphidiploid F_1 $4x$ (*N. tabacum* cv. Wiślica \times *N. africana*) $2n=94$



Figure S7. Hybrids forms: (a) amphidiploid F_2 $4x$ (*N. tabacum* cv. Wiślica \times *N. africana*) $2n=94$; (b) amphidiploid F_3 $4x$ (*N. tabacum* cv. Wiślica \times *N. africana*) $2n=94$



Figure S8. Sesquidiploid BC₁ 3x (*N. tabacum* cv. Wiślica x *N. africana*) x *N. tabacum* cv. Wiślica 2n=71