**Supplementary Fig. 1** PCR analysis of total DNA from various lines with *sppv117* (**a**) and *aadA* (**b**) gene-specific primers. wt, DNA from wild-type tobacco plants; 1-3, plants transformed with pP117; 4-7, plants transformed with pR117; M, DNA marker; pc1, pc2, pP117and pR117 plasmids as positive controls, respectively.

**Supplementary Fig. 2** Phenotype of wild-type (wt) and transplastomic plants obtained with transformation vectors pP117 (P117) and pR117 (R117).

**Supplementary Fig. 3** Relative amount of *sppv117* transcripts detected via qPCR. Values are presented as mean ± SD. The level of significance between P117 and R117 lines was 98.36%.

Supplementary **Fig.1**

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Supplementary **Fig. 2**

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Supplementary **Fig. 3**

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