Corrigendum

Corrigendum to “Nicotiana benthamiana protein, NPCIP1, interacting with Potato virus X coat protein plays a role as susceptible factor for viral infection” [Virology 386 (2009) 257–269]

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The vector maps in Figs. 3A, 5, and 11A contained errors. All vectors in Figs. 3A and 5 for BiFC assay, transient over-expression, and gene silencing did not contain Ribozyme sequence (Rz) and were controlled by 35S terminator (T35S) not by NOS terminator (NOS). The vector map in Fig. 11A for PVX movement experiment did not contain the TEV leader sequence (TL). For the reader’s convenience, the corrected figures are reproduced here along with their respective legends.
Fig. 3A. Interactions of NbPCIPs and PVX CP by BiFC assay in planta. (A) Schematic representation of constructs used for BiFC assay. Complete NbPCIP1, NbPCIP2, PVX CP, ToMV CP, and CMV CP were fused to the C- and N-terminals of YFP (CYFP and NYFP, respectively) sequence with stop codon (TAA) at the 3’ end of each ORF in the modified pPZP212 vector. Plasmids were agro-infiltrated in N. benthamiana leaves, and the reconstructed YFP signal was detected in the epidermal cell layer by epifluorescence microscopy.

Fig. 5. Schematic representation of transient over-expression and gene silencing constructs used for agro-infiltration of N. benthamiana. NbPCIP1 and three copies of the partial NbPCIP1 fragments were fused to the pPZP212 and pPZP212-sGFP constructs (pNbPCIP1, pNbPCIP1-sGFP, pNbP3, and pNbP3-sGFP). The pPZP212-sGFP contains sGFP gene under control of Tobacco etch virus (TEV) leader sequence (TL) in the pPZP212 vector. PVX CP fragment was fused to the pSITE-4CA vector (PVX CP-RFP). pNbPCIP1, pNbPCIP1-sGFP, and PVX CP-RFP were prepared for transient over-expression assay. pTBSV-p19 construct was used as a gene silencing suppressor for over-expression analysis. pNbP3 and pNbP3-sGFP were used for silencing of NbPCIP1. pRFP-ER containing Histidine-Aspartate-Glutamtae-Leucine (HDEL)-ER retention signal (Chakrabarty et al., 2007) was used for subcellular ER localization study.

Fig. 11A. Effects of NbPCIP1 on viral movement in PVX-infected N. benthamiana plants. (A) Schematic representation of sGFP-fused PVX infectious clone (pSPVX-sGFP). pSPVX-sGFP construct was transformed into the A. tumefaciens strain GV2260 and agro-infiltrated into N. benthamiana plants.