Three pairs of oligonucleotides were used in the SCAR assays: the forward oligonucleotide SR-S343-F1 and the three reverse oligonucleotides SR-S343-R1, SR-S343-R2 and SR-S343-R3 (Table 1). The SCAR reaction was performed with an initial denaturation step at 95 °C for 5 min, followed by 35 cycles of 94°C for 2 min, 60 °C for 1 min, and 72 °C for 1 min, and a 10-min final extension at 72 °C.

**Fig. 1S Development of SNPs markers for polymorphisms between B. frutescens and B. nivea**

Electropherogram of SNP markers. The primer-extension reactions were performed by Snapshot with primers SNP-S62-a and SNP-S62-b, respectively. Polymorphisms between B. frutescens and B. nivea are shown as peaks with different colors (A=green, C=black and G=blue) at known location. Orange peaks indicate positions of the LIS internal size standard (GeneScan™-120).