**Supplementary Table 5.** Validation of edited plantlets performed through PCR to detect the large deletion between both sgRNAs. Four different profiles were classified, depending on the length of the amplicon, and they are separated for each genotype (‘Doppio sanguigno’, ‘Vaccaro’, ‘Tarocco TDV’, ‘Tarocco Lempso’, ‘Bud Blood’ sweet orange varieties, ‘Carrizo’ citrange).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Genotype** | **I** | **II** | **III** | **IV** |
| **380 bp** | **128 bp** | **380/128 bp** | **≠ 380 / ≠128 bp** |
| ‘Doppio Sanguigno’ | 49 | 10 | 6 | 1 |
| ‘Vaccaro’ | 5 | / | / | / |
| ‘Tarocco TDV’ | 4 | / | 1 | 3 |
| ‘Tarocco Lempso’ | 2 | / | / | / |
| ‘Bud blood’ | 9 | / | / | / |
| ‘Carrizo’ | 111 | 18 | 12 | 8 |