**Supplementary table 2.** List of plasmids used to realize the final genome editing vector following the interactive cloning strategy of GoldenBraid 3.0 (<https://gbcloning.upv.es/>).

|  |  |  |  |
| --- | --- | --- | --- |
| **GB level** | **Accession** | **Name** | **Type** |
| Level 0  (GB CRISPR Domesticator) | GB\_UC\_A2F | sgRNA1 | D Target (B3c-B4-B5c) |
| GB\_UC\_A30 | sgRNA2 | D Target (B3c-B4-B5c) |
| Level 1  (GB CRISPR Assembler) | GB\_UA\_4966 | pDGB3­\_alpha1\_sgRNA1 | Transcriptional Units |
| GB\_UA\_4969 | pDGB3\_alpha2\_sgRNA2 | Transcriptional Units |
| Level 2  (GB Binary Assembler) | GB0226 | pDGB3\_alpha1R\_Tnos:*nptII*:Pnos | Transcriptional Units |
| GB0639 | pDGB3\_alpha2\_35s:hCas9:tNos | Transcriptional Units |
| GB\_UA\_496D | pDGB3\_omega1\_*nptII*\_sgRNA2 | Module |
| GB\_UA\_496B | pDGB3\_omega2\_sgRNA1\_hCas9 | Module |
| GB\_UA\_496F | pDGB3\_alpha1\_*nptII*\_sgRNA2\_sgRNA1\_hCas9 | Module |