

Sheet 1 of 9

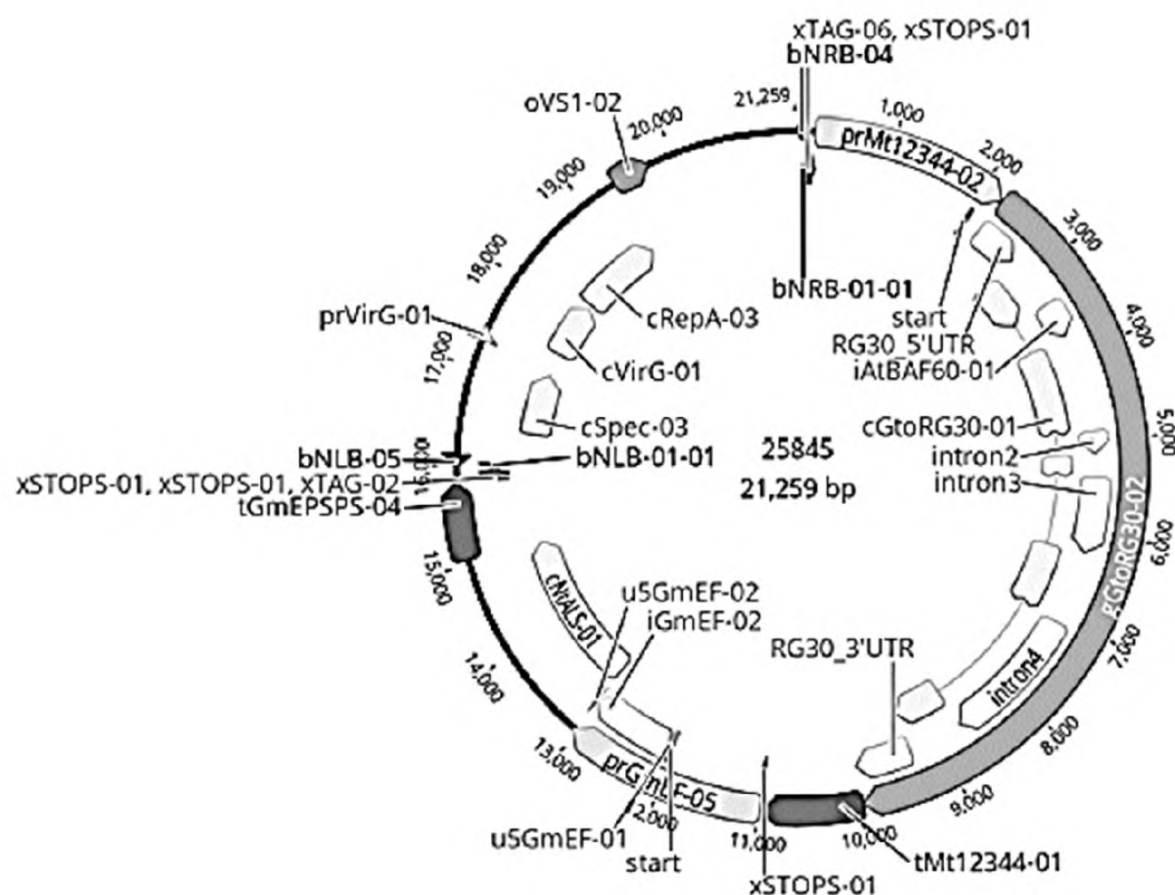


FIGURE 1

Figure 1. Circular map of the 21,773 bp mitochondrial genome of *R. glaberrimus*. The map shows the arrangement of 13 genes and their orientations. The genes are: *rnl* (1,000 bp), *rns* (1,000 bp), *rnl* (1,000 bp), *rns* (1,000 bp), *rnl* (1,000 bp), *rns* (1,000 bp), *rnl* (1,000 bp), *rns* (1,000 bp), *rnl* (1,000 bp), *rns* (1,000 bp), *rnl* (1,000 bp), *rns* (1,000 bp), and *rnl* (1,000 bp). The map also indicates the positions of various restriction sites and the locations of the 5' and 3' UTRs. The total length of the genome is 21,773 bp.

Sheet 3 of 9

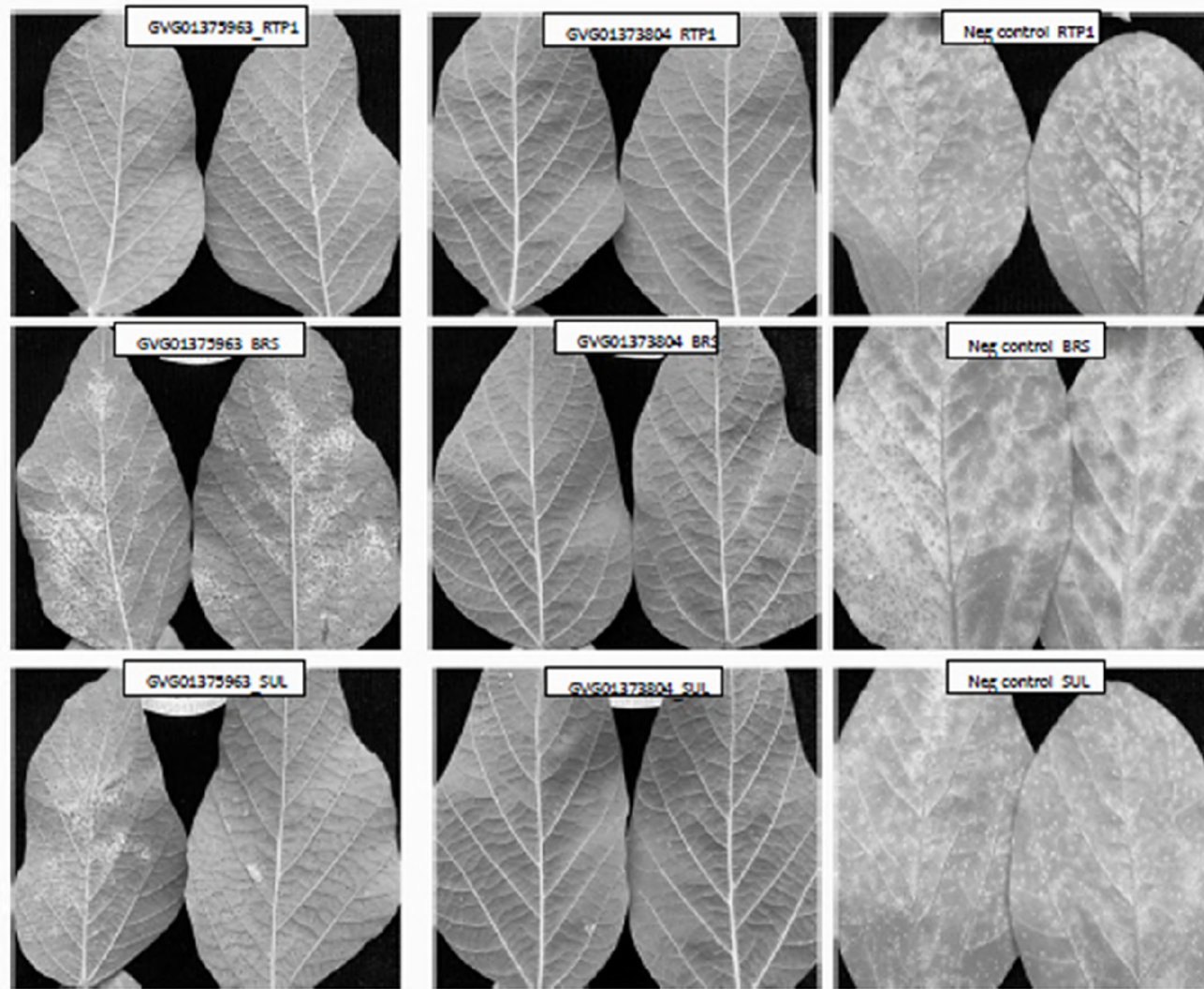


FIGURE 3

Sheet 4 of 9

|                               | Construct |                         | Copy numbers |    |        |    | Soy Rust Rating |               |               |               |               |         |
|-------------------------------|-----------|-------------------------|--------------|----|--------|----|-----------------|---------------|---------------|---------------|---------------|---------|
| Events                        | 25845     |                         | SM-raw       | SM | TG raw | TG | RTP1            | RTP1          | BRS           | BRS           | SUL           | SUL     |
| <b>GVG013</b><br><b>75963</b> | 25845     | prMt12344_<br>cTNL_Ch3b | 2.67         | >2 | 2.5    | >2 | RB1/2-<br>NSP   | RB1/2-<br>NSP | RB2-SPL       | RB2-NSP       | RB1/2-<br>NSP | RB2-NSP |
| <b>GVG013</b><br><b>73804</b> | 25899     | prMt51186<br>.cTNL_Ch3b | 0.75         | 1  | 0.92   | 1  | RB1-SPL         | RB1-SPL       | RB1/2-<br>NSP | RB1/2-<br>NSP | RB1-NSP       | RB2-NSP |
| <b>Neg</b><br><b>control</b>  | Soybean   |                         | 0            | 0  | 0      | 0  | Tan3-sp         | Tan3-sp       | Tan3-sp       | Tan3-sp       | Tan3-sp       | Tan3-sp |

**FIGURE 4**

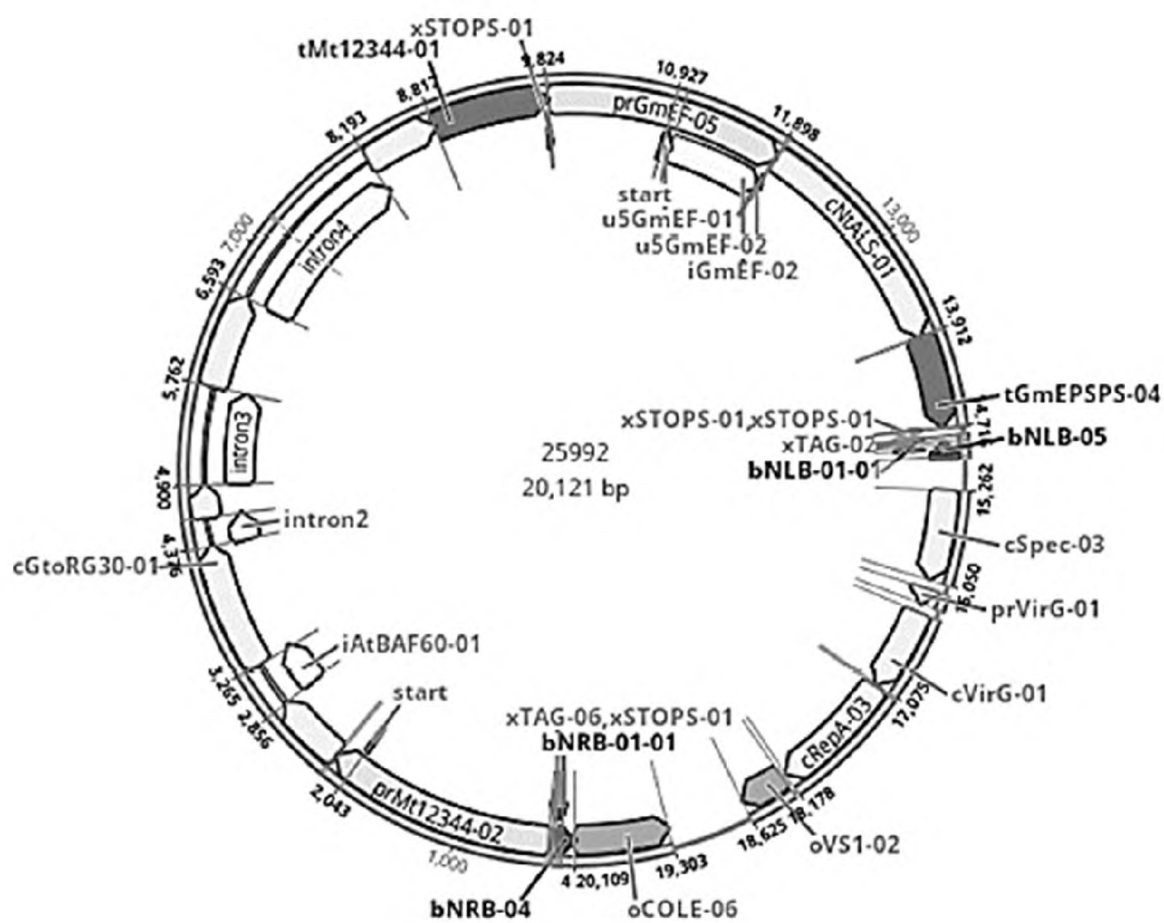
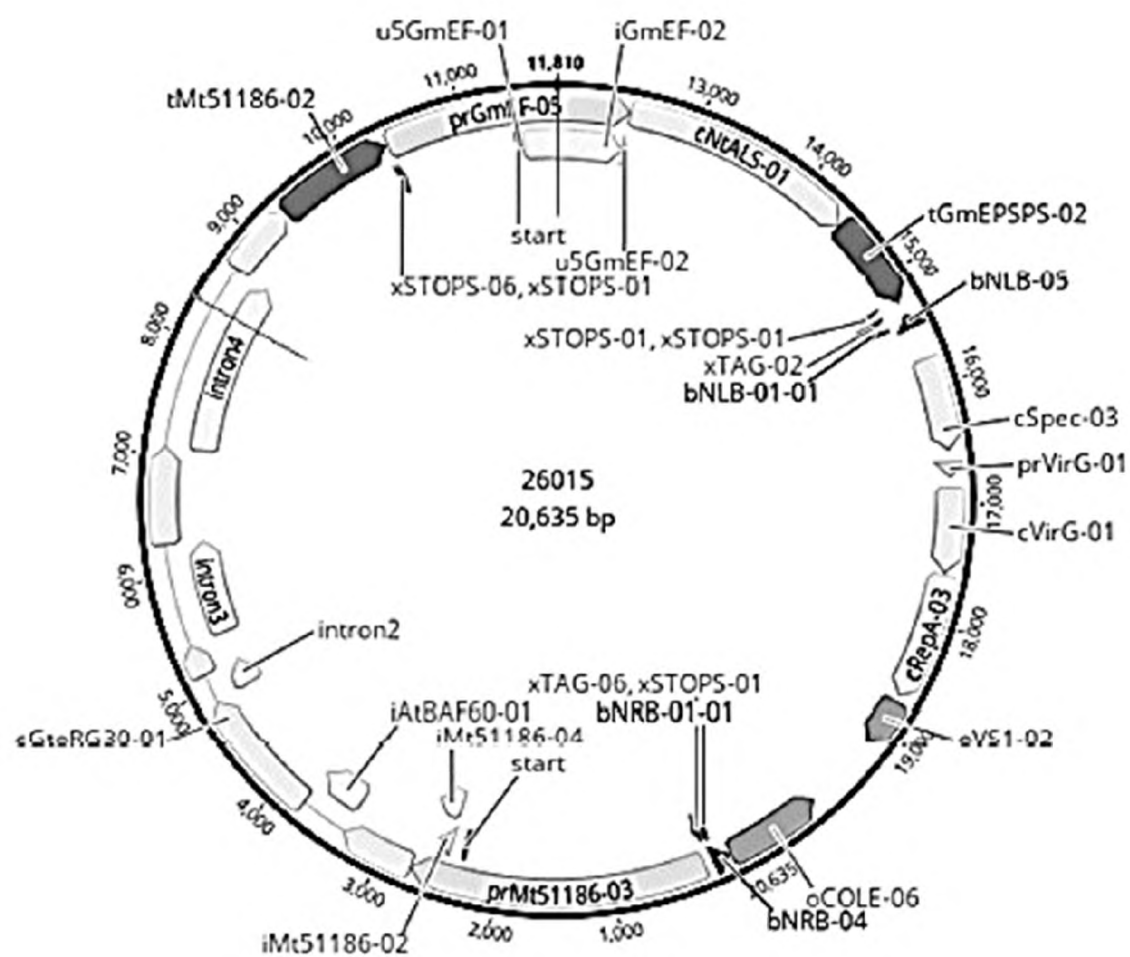


FIGURE 6



## FIGURE 7

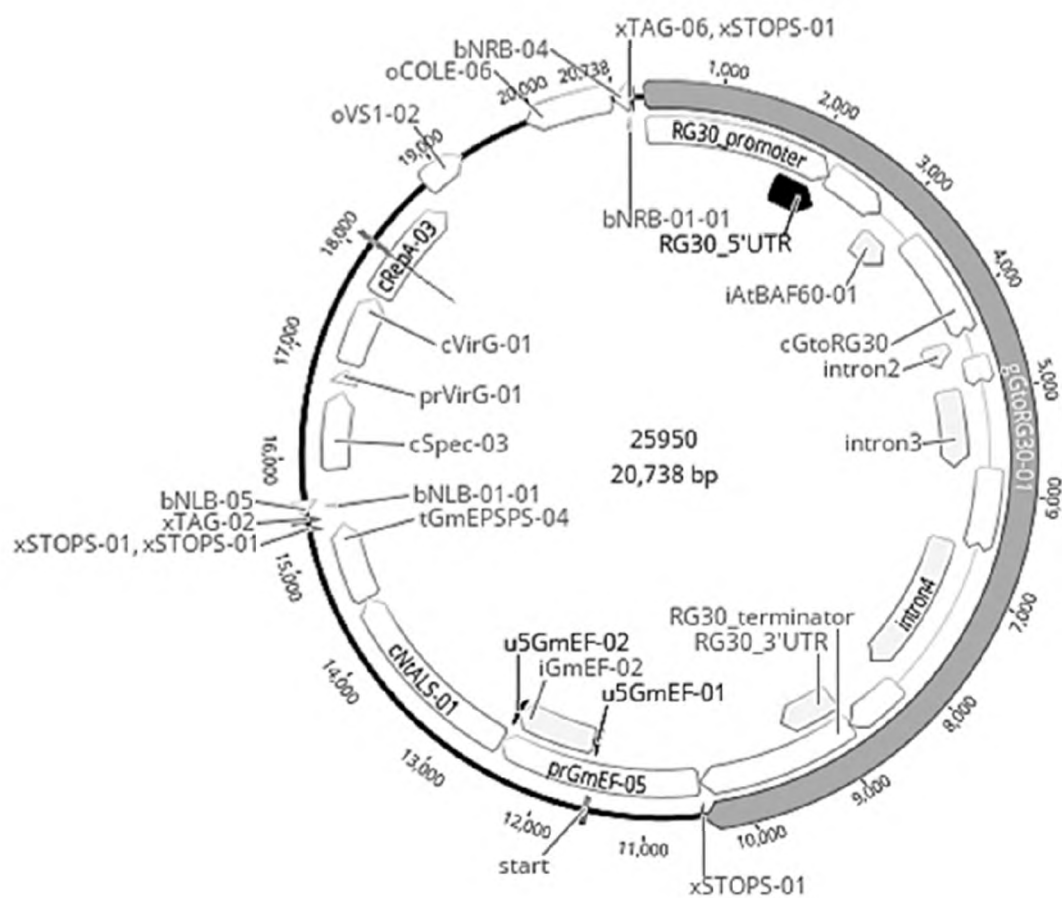
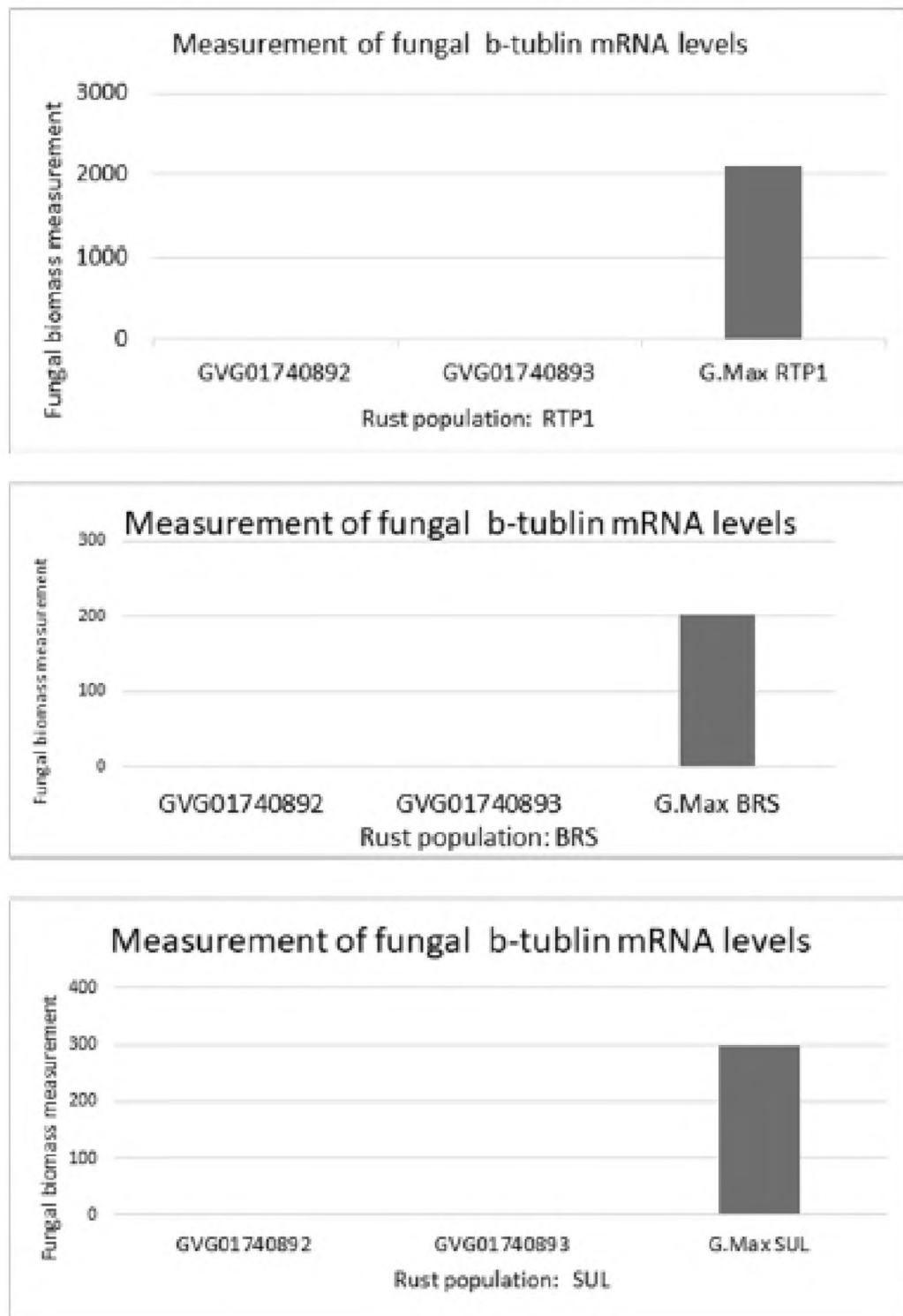


FIGURE 8

## Sheet 7 of 9

**FIGURE 10**

Sheet 7 of 9

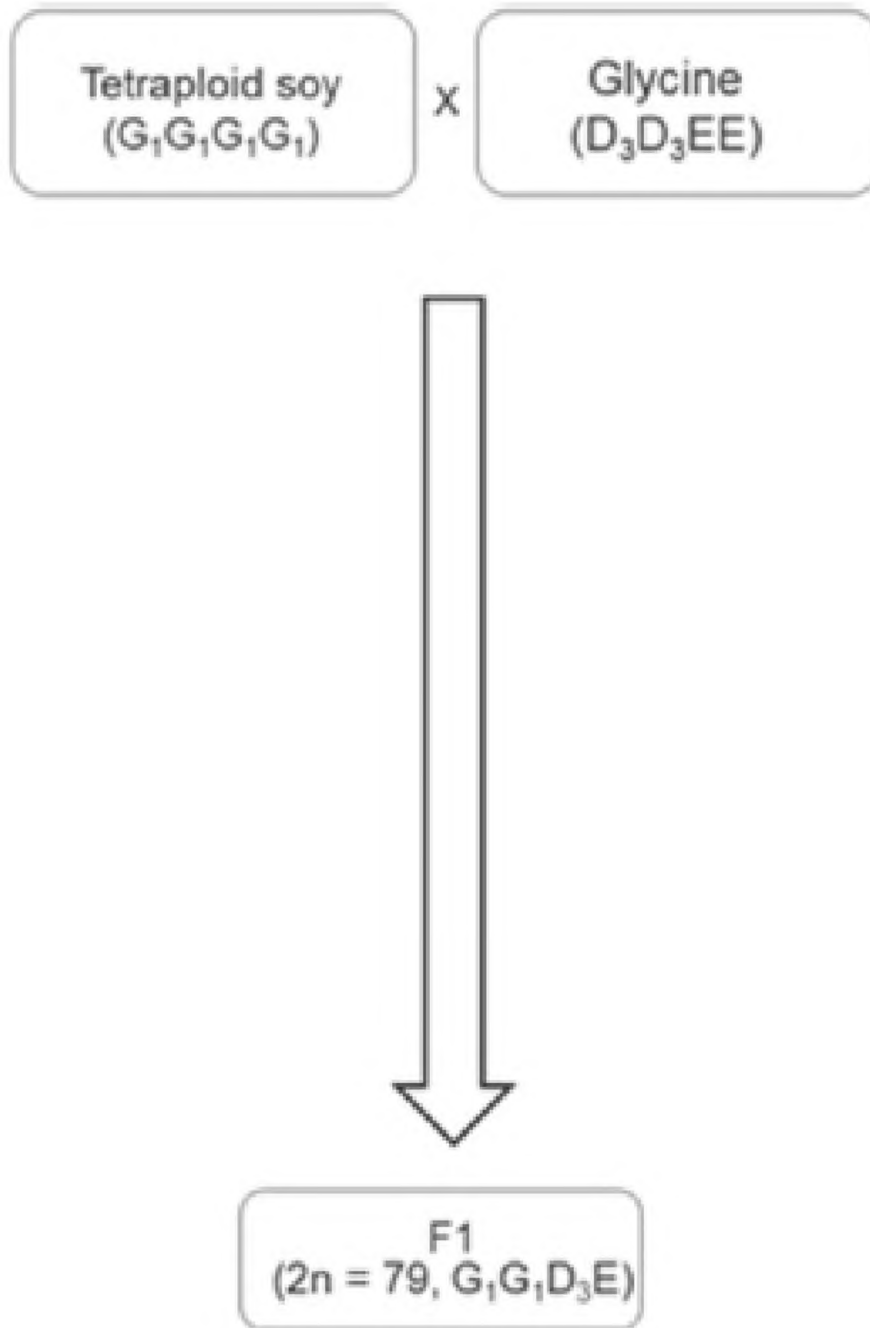


**FIGURE 11**