**Table S1. Predicted genotypes of two different inheritance models**

|  |  |  |  |
| --- | --- | --- | --- |
| Inheritance model | Male sterile plant (NH80-A) | Restorer line (TA95) | Maintainer line (WH606) |
| 1 gene with multiple allele  | *BrMsbMsb* | *BrMsaMsa* | *BrMscMsc*  |
|  | *BrMsbMsc* |  |  |
| 2 dominant gene  | *BrMsMs rfrf* | *BrMsMs RfRf* | *Brmsms rfrf*  |
|  | *BrMsms rfrf* | *BrMsms RfRf* |  |
|  |  | *Brmsms RfRf* |  |