

Table S1. Primer specifications of candidate Black rot resistance NBS gene *Bol031422*.

| Gene ID | Forward sequence (Primer-F) | Reverse sequence (Primer-R) | TM (°C) | Product Size |
|-----------|-----------------------------|-----------------------------|---------|--------------|
| Bol031422 | ATGGGAGGTTGTTTCTCTGTCTCA | AGATGACGAGGATGAATCAGAAAGTGA | 58 | 1134 bp |