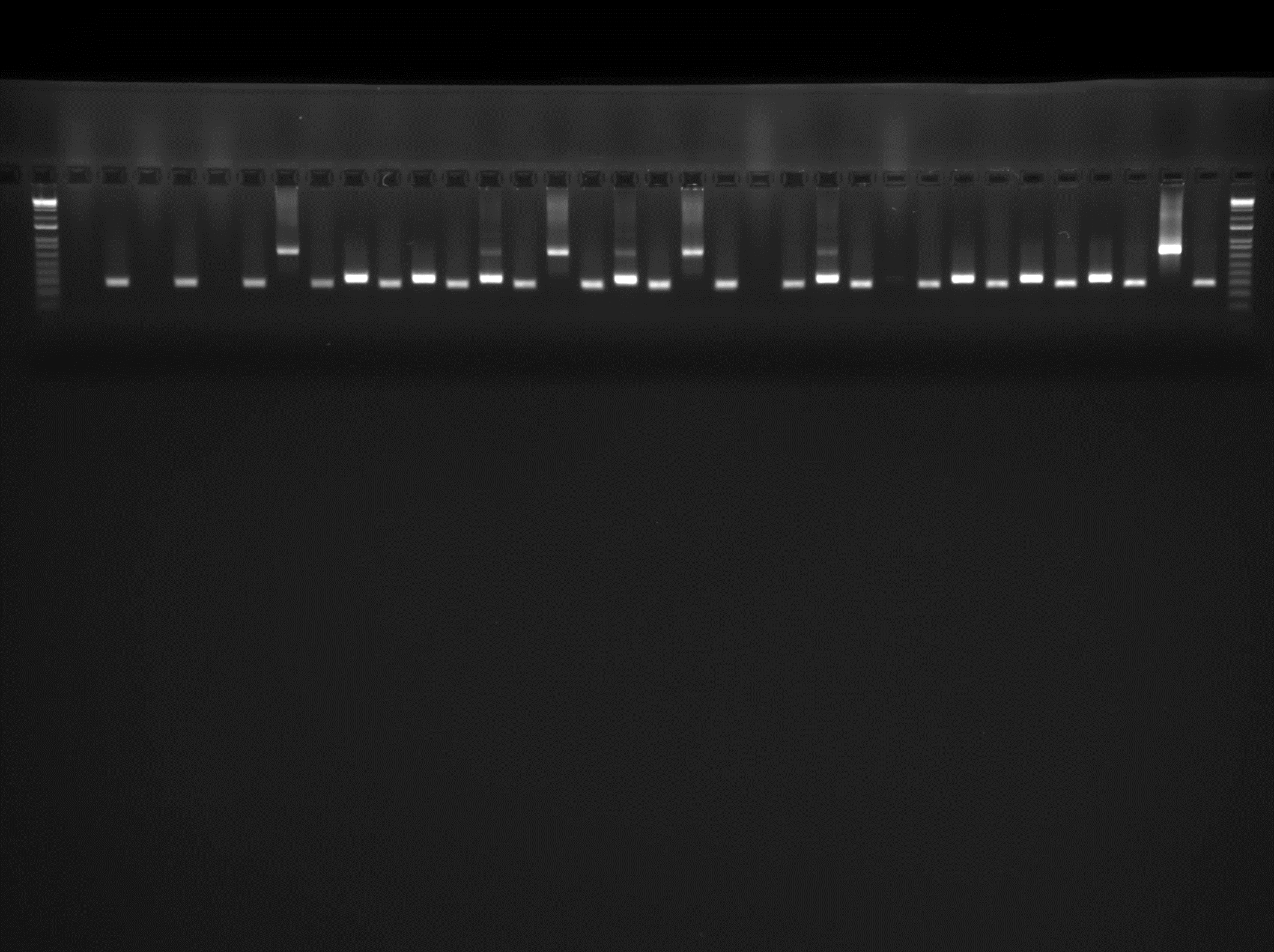
M 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 M



1500

700

400

300

1500

700

400

300

**Figure e-1. Standard PCR Control.**

To control for failure of the PCR reaction inadvertently resulting in a false positive result, standard PCR was performed simultaneously using *RFC1* primers (expected size of 348 bp for wild-type, black arrow) and control primers for *SPG11* (expected size of 282 bp, grey arrow). Lanes 1, 2, 3, 11, 13 represent biallelic expansions (no *RFC1* band). Lanes 5, 6, 14, 15, 16 represent wild type individuals. Lanes 4, 7, 8, 9, 10, 12, 17 represent heterozygous individuals with non-pathogenic polymorphic expansions. M, marker.