Apoptotic-like PCD inducing HRC gene when silenced enhances multiple disease resistance in plants
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Scientific Reports: Supporting information

Table S1. The primers used in this study

| Genes | Gene ID | Primers |
|-------|---------|---------|
| TaHRC-wheat NILs (TaCaMBP\_Fhb1) | TAA\_ctg0954b.00390.1 | F: 5’-TCAGGTCTTGAGGCATTATAAAAC-3’ R: 5’-GAGGAACGACTTTTCGCTG-3’ |
| StHRC sequencing primers | |
| StHRC- RB potato (900bp) | PGSC0003DMG400030513 | F: 5’-AGCCTGAAGTCTTGTGAAAT-3’ R: 5’-GGAGCATCTGAGTCCAACCT-3’ |
| StHRC- RB potato (400bp) | PGSC0003DMG400030513 | TTTATGCGATTGTGCTGGAGGA TACGCTTCTTGGCCCTG |
| CRISPR Cloning sgRNA cloning in pDIRECT21A | |
| StHRC\_sgRNA | | F:5’-GATTGGAAAGGACAAGAATCAAG-3’ R: 5’-AAACCTTGGATTTGCTTCC-3’ |
| Pathogen biomass quantification | |
| O-8 (Phytophthora infestans) | GQ371195.1 | F: 5’-GAAAGGCATAGAAGGTAGA-3’ R: 5’-TAACCGACCAAGTAGTAAA-3’ |
| ITS (Alternaria sp.) | AF255732 (S. acidiscabies) | F: 5’-TGGGCTCTTGGCTTGTGGTG-3’ |
| txtAB (Streptomyces scabies) | AY707081 (S. turgidiscabies) | |
| Stb-tubulin | Z33382.1 | F: 5’-ATGTTCAGGCGCAAGGCTT-3’ R: 5’-TCTGCAACCCGGTGCTTCC-3’ |
| StEf1-α | AB061263.1 | F: 5’-ATTGGAAACGGATATGCTCCA-3’ R: 5’-TCTTACCTGAACGCCTTCA-3’ |
| qRT-PCR gene expression | |
| StHRC- RB potato | PGSC0003DMG400030513 | F: 5’-AGATGCACTTTCTTGCTGATC-3’ R: 5’-CTCTCGACTAAGCGTATAAA-3’ |
| StCaN2 – RB potato | PGSC0003DMG400017899 | F: AGAAAACGCTCCTCTCTTAAAG R: TGAGGAAGAGGAACACGTAG |
| StActin | PGSC0003DMG400023429 | F: GCTTCCCGATGGTCAAGTGCA R: GGATTCCAGCTTGCTCCTC |
| Stb-tubulin | Z33382.1 | F: 5’-ATGTTCAGGCGCAAGGCTT-3’ R: 5’-TCTGCAACCCGGTGCTTCC-3’ |
| StEf1-α | AB061263.1 | F: 5’-ATTGGAAACGGATATGCTCCA-3’ R: 5’-TCTTACCTGAACGCCTTCA-3’ |
| SotubMC7-F (StMC7) | PGSC0003DMG400011909 | F: 5’-GCCTTCTCGAGTAGCTGTTGA-3’ R: 5’-TCACATGAGGAGAATGCTG-3’ |