**S2 Table. Reagents used in fresh reactions.** The table lists the reagents used to prepare the fresh reactions for each assay.

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| **Target organism** | **Reagent** | **Amount** |
| *Sphaerulina musiva* | DNA template |  2 µL |
|  | QuantiTect mastermix |  10 µL |
|  | Primer 10 µM, each |  0.8 µL |
|  | Probe 100 µM |  4 µL |
|  | Trehalose 30% |  1.13 µL |
|  | Water  |  1.27 µL |
|  | Total volume |  20 µL |
| *Cronartium* spp.1 | DNA template |  2 µL |
|  | QuantiTect mastermix |  10 µL |
|  | 20x Primers/probe mix |  1 µL |
|  | Trehalose 30% |  1.22 µL |
|  | Water |  4.78 µL |
|  | Total volume |  20 µL |
| *Phytophthora ramorum*2 | DNA template |  2 µL |
|  | QuantiTect mastermix |  10 µL |
|  | 20x Primers/probe mix |  1 µL |
|  | Trehalose 30% |  1.22 µL |
|  | Water |  5.78 µL |
|  | Total volume |  20 µL |
| *Lymantria dispar* | DNA template |  2 µL |
|  | QuantiTect mastermix |  10 µL |
|  | Primer 100 µM, each |  0.1 µL |
|  | Probe 100 µM, each |  0.04 µL |
|  | Trehalose 30% |  1.14 µL |
|  | Water |  6.58 µL |
|   | Total volume |  20 µL |
| 1The 20x Primers/probe mix is prepared to 5 µM for each primer and 2 µM for each probe |
| 2The 20x Primers/probe mix is prepared to 4 µM for each primer and the probe |