Supplementary Table 1. Diagnostic methods used for validation for disease symptoms

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| **Symptom** | **Diagnostic method used for identification** | **Reference** |
| Bacterial spot of tomato | Culturing, and PCR | (Strayer et al., 2016) |
| Healthy | No visible symptoms | (Jones et al., 2014) |
| Pox | Expert knowledge | (Jones et al., 2014) |
| Raincheck | Expert knowledge | (Jones et al., 2014) |
| Tomato spotted wilt | Antibody-based test/PCR | (Jones et al., 2014) |
| Early blight | Microscopy, culturing, and PCR | (Jones et al., 2014) |
| Little leaf | Expert knowledge | (Jones et al., 2014) |
| Spider mite feeding damage | Microscopy | (Jones et al., 2014) |
| Tomato yellow leaf curl | PCR | (Jones et al., 2014) |
| Nutrient deficiency | Expert knowledge | (Jones et al., 2014) |
| 2-4-D drift damage | Expert knowledge | (Jones et al., 2014) |