Supplemental Table 1 Morphology and pathogenicity of the 15 isolates

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| **Name** | **PCR results** | **Morphological character** | **Pathogenicity test** |
| AG-1 | *Stagonosporopsis cucurbitacearum* | _MG_7928 | TM-BX-3-2 ② + + + + |
| AG-2 | *Fusarium graminearum* | AG-1-⑤ 9.8 f | AG-1 ⑤ (15) + |
| AG-3 | *Stagonosporopsis cucurbitacearum* | AG-3⑦ 9.8 (9) | AG-3 ⑦ (7) + + + + |
| AG-4 | *Stagonosporopsis cucurbitacearum* | AG-1④ 9.8 (5) | TM-BX-1-2 ① + |
| AG-5 | *Stagonosporopsis cucurbitacearum* | AG-1④ 9.8 (16) | YZY-叶-5 ③ + + + + + |
| AG-6 | *Stagonosporopsis cucurbitacearum* | AG-1⑦ 9.8 (8) | AG-1 ⑦ (3) + + + + |
| AG-7 | *Fusarium*  *incarnatum* | AG-2① 9.8 (9) | AG-1 ⑧ (3) + |
| AG-8 | *Stagonosporopsis cucurbitacearum* | AG-2③ 9.8 (9) | AG-2 ③ (2) + + + + |
| AG-9 | *Stagonosporopsis cucurbitacearum* | AG-2④ 9.8 (7) | AG-2 ④ (2) + + + + |
| AG-10 | *Penicillium* sp. | AG-2⑤ 9.8 (10) | AG-2 ⑤ (2) \_ |
| AG-11 | *Stagonosporopsis cucurbitacearum* | AG-2⑥ 9.8 (8) | AG-2 ⑥ (3) + + + + |
| AG-12 | *Stagonosporopsis cucurbitacearum* | AG-3⑥ 9.8 (5) | AG-3 ⑥ (3) + + + |
| AG-13 | *Stagonosporopsis cucurbitacearum* | IMG_2377 | QS-2-大-1 ③ (2) + + |
| AG-14 | *Penicillium* sp. | AG-3② 9.8 (8) | AG-3 ② (3) \_ |
| AG-15 | *Stagonosporopsis cucurbitacearum* | QS-2-大-1-③ 8.15 (6) | QS-2-大-1 ③ (3) + + + |