**Table 1S**. DNA accession numbers of some *Diaporthe cinerascens* isolates used in this study.

| Culture | Substrate | Country | GenBank accession number | | |
|---|---|---|---|---|---|
| | | | **ITS** | ***his*** | ***tub*** |
| ES013 | *Ficus carica* | Iran | OP009418 | OP756049 | OP756054 |
| DD5 | *Ficus carica* | Iran | OP009417 | OP756052 | OP756057 |
| JKS53-3 | *Ficus carica* | Iran | OP009416 | OP756050 | OP756058 |
| KDP21 | *Ficus carica* | Iran | N/A | OP756051 | N/A |
| KDS27-2 | *Ficus carica* | Iran | OP009420 | N/A | N/A |
| KDS44E | *Ficus carica* | Iran | OP009419 | N/A | N/A |
| KDB43W | *Ficus carica* | Iran | OP009422 | OP756048 | OP756055 |
| KDP32-2 | *Ficus carica* | Iran | OP009421 | OP756053 | OP756056 |

**Table 2S**. Jaccard's coefficient dissimilarity matrix based on ISSR data for the *Diaporthe cinerascens* isolates from infected fig trees in southern Iran.

| Isolate | I2 | I2 | I3 | I4 | I5 | I6 | I7 | I8 | I9 | I10 | I11 | I12 | I13 | I14 | I15 | I16 | I17 | I18 | I19 | I20 | I21 | I22 | I23 | I24 | I25 | I26 | I27 | I28 | I29 | I30 | I31 | I32 | I33 | I34 | I35 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I2 | 0.9 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I3 | 0.89 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I4 | 0.88 | 0.99 | 0.98 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I5 | 0.88 | 0.99 | 0.98 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I6 | 0.86 | 0.92 | 0.93 | 0.94 | 0.94 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I7 | 0.92 | 0.97 | 0.96 | 0.95 | 0.95 | 0.92 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I8 | 0.85 | 0.88 | 0.88 | 0.86 | 0.86 | 0.88 | 0.89 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I9 | 0.85 | 0.88 | 0.88 | 0.86 | 0.86 | 0.88 | 0.89 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I10 | 0.9 | 0.95 | 0.94 | 0.93 | 0.93 | 0.92 | 0.95 | 0.86 | 0.86 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| I11 | 0.9 | 0.91 | 0.9 | 0.91 | 0.91 | 0.92 | 0.89 | 0.85 | 0.85 | 0.93 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| I12 | 0.87 | 0.9 | 0.89 | 0.88 | 0.88 | 0.87 | 0.9 | 0.81 | 0.81 | 0.96 | 0.88 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| I13 | 0.95 | 0.92 | 0.91 | 0.92 | 0.92 | 0.89 | 0.92 | 0.85 | 0.85 | 0.92 | 0.96 | 0.89 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| I14 | 0.89 | 0.9 | 0.91 | 0.9 | 0.9 | 0.91 | 0.88 | 0.86 | 0.86 | 0.92 | 0.94 | 0.87 | 0.95 | 1 | | | | | | | | | | | | | | | | | | | | | |
| I15 | 0.88 | 0.9 | 0.91 | 0.9 | 0.9 | 0.93 | 0.92 | 0.88 | 0.88 | 0.92 | 0.88 | 0.91 | 0.91 | 0.93 | 1 | | | | | | | | | | | | | | | | | | | | |
| I16 | 0.91 | 0.96 | 0.95 | 0.96 | 0.96 | 0.95 | 0.98 | 0.87 | 0.87 | 0.96 | 0.92 | 0.91 | 0.95 | 0.91 | 0.95 | 1 | | | | | | | | | | | | | | | | | | | |
| I17 | 0.92 | 0.97 | 0.96 | 0.95 | 0.95 | 0.92 | 1 | 0.89 | 0.89 | 0.95 | 0.89 | 0.9 | 0.92 | 0.88 | 0.92 | 0.98 | 1 | | | | | | | | | | | | | | | | | | |
| I18 | 0.88 | 0.92 | 0.93 | 0.9 | 0.9 | 0.93 | 0.94 | 0.88 | 0.88 | 0.96 | 0.88 | 0.91 | 0.89 | 0.93 | 0.95 | 0.95 | 0.94 | 1 | | | | | | | | | | | | | | | | | |
| I19 | 0.88 | 0.99 | 1 | 0.97 | 0.97 | 0.94 | 0.95 | 0.89 | 0.89 | 0.93 | 0.89 | 0.88 | 0.9 | 0.92 | 0.92 | 0.94 | 0.95 | 0.94 | 1 | | | | | | | | | | | | | | | | |
| I20 | 0.88 | 0.96 | 0.97 | 0.96 | 0.96 | 0.93 | 0.94 | 0.88 | 0.88 | 0.9 | 0.86 | 0.86 | 0.89 | 0.89 | 0.91 | 0.93 | 0.94 | 0.93 | 0.98 | 1 | | | | | | | | | | | | | | | |
| I21 | 0.87 | 0.93 | 0.94 | 0.91 | 0.91 | 0.92 | 0.95 | 0.87 | 0.87 | 0.91 | 0.86 | 0.88 | 0.87 | 0.88 | 0.92 | 0.92 | 0.95 | 0.92 | 0.95 | 0.92 | 1 | | | | | | | | | | | | | | |
| I22 | 0.9 | 0.91 | 0.92 | 0.93 | 0.93 | 0.96 | 0.93 | 0.87 | 0.87 | 0.93 | 0.91 | 0.88 | 0.94 | 0.94 | 0.96 | 0.96 | 0.93 | 0.94 | 0.93 | 0.94 | 0.91 | 1 | | | | | | | | | | | | | |
| I23 | 0.87 | 0.93 | 0.94 | 0.91 | 0.91 | 0.92 | 0.93 | 0.87 | 0.87 | 0.91 | 0.86 | 0.87 | 0.87 | 0.9 | 0.92 | 0.92 | 0.93 | 0.94 | 0.95 | 0.92 | 0.95 | 0.91 | 1 | | | | | | | | | | | | |
| I24 | 0.87 | 0.93 | 0.94 | 0.91 | 0.91 | 0.92 | 0.93 | 0.87 | 0.87 | 0.91 | 0.86 | 0.87 | 0.87 | 0.9 | 0.92 | 0.92 | 0.93 | 0.94 | 0.95 | 0.92 | 0.95 | 0.91 | 1 | 1 | | | | | | | | | | | |
| I25 | 0.9 | 0.89 | 0.9 | 0.88 | 0.88 | 0.88 | 0.93 | 0.89 | 0.89 | 0.89 | 0.84 | 0.85 | 0.87 | 0.88 | 0.92 | 0.9 | 0.93 | 0.92 | 0.91 | 0.9 | 0.93 | 0.91 | 0.95 | 0.95 | 1 | | | | | | | | | | |
| I26 | 0.89 | 0.91 | 0.92 | 0.89 | 0.89 | 0.9 | 0.95 | 0.91 | 0.91 | 0.91 | 0.86 | 0.87 | 0.89 | 0.9 | 0.94 | 0.92 | 0.95 | 0.94 | 0.93 | 0.92 | 0.95 | 0.93 | 0.97 | 0.97 | 0.99 | 1 | | | | | | | | | |
| I27 | 0.9 | 0.88 | 0.87 | 0.86 | 0.86 | 0.81 | 0.88 | 0.87 | 0.87 | 0.86 | 0.82 | 0.83 | 0.86 | 0.81 | 0.83 | 0.87 | 0.88 | 0.83 | 0.86 | 0.85 | 0.82 | 0.84 | 0.84 | 0.84 | 0.86 | 0.84 | 1 | | | | | | | | |
| I28 | 0.9 | 0.88 | 0.87 | 0.86 | 0.86 | 0.81 | 0.88 | 0.87 | 0.87 | 0.86 | 0.82 | 0.83 | 0.86 | 0.81 | 0.83 | 0.87 | 0.88 | 0.83 | 0.86 | 0.85 | 0.82 | 0.84 | 0.84 | 0.84 | 0.86 | 0.84 | 1 | 1 | | | | | | | |
| I29 | 0.9 | 0.88 | 0.87 | 0.86 | 0.86 | 0.81 | 0.88 | 0.87 | 0.87 | 0.86 | 0.82 | 0.83 | 0.86 | 0.81 | 0.83 | 0.87 | 0.88 | 0.83 | 0.86 | 0.85 | 0.82 | 0.84 | 0.84 | 0.84 | 0.86 | 0.84 | 1 | 1 | 1 | | | | | | |
| I30 | 0.9 | 0.88 | 0.87 | 0.86 | 0.86 | 0.81 | 0.88 | 0.87 | 0.87 | 0.86 | 0.82 | 0.83 | 0.86 | 0.81 | 0.83 | 0.87 | 0.88 | 0.83 | 0.86 | 0.85 | 0.82 | 0.84 | 0.84 | 0.84 | 0.86 | 0.84 | 1 | 1 | 1 | 1 | | | | | |
| I31 | 0.88 | 0.86 | 0.85 | 0.84 | 0.84 | 0.83 | 0.86 | 0.89 | 0.89 | 0.84 | 0.84 | 0.81 | 0.85 | 0.79 | 0.81 | 0.85 | 0.86 | 0.81 | 0.84 | 0.83 | 0.8 | 0.82 | 0.82 | 0.82 | 0.84 | 0.82 | 0.98 | 0.98 | 0.98 | 0.98 | 1 | | | | |
| I32 | 0.88 | 0.86 | 0.85 | 0.84 | 0.84 | 0.83 | 0.86 | 0.89 | 0.89 | 0.84 | 0.84 | 0.81 | 0.85 | 0.79 | 0.81 | 0.85 | 0.86 | 0.81 | 0.84 | 0.83 | 0.8 | 0.82 | 0.82 | 0.82 | 0.84 | 0.82 | 0.98 | 0.98 | 0.98 | 0.98 | 1 | 1 | | | |
| I33 | 0.9 | 0.88 | 0.87 | 0.86 | 0.86 | 0.81 | 0.88 | 0.87 | 0.87 | 0.86 | 0.82 | 0.83 | 0.86 | 0.81 | 0.83 | 0.87 | 0.88 | 0.83 | 0.86 | 0.85 | 0.82 | 0.84 | 0.84 | 0.84 | 0.86 | 0.84 | 1 | 1 | 1 | 1 | 0.98 | 0.98 | 1 | | |
| I34 | 0.88 | 0.86 | 0.85 | 0.84 | 0.84 | 0.83 | 0.86 | 0.89 | 0.89 | 0.84 | 0.84 | 0.81 | 0.85 | 0.79 | 0.81 | 0.85 | 0.86 | 0.81 | 0.84 | 0.83 | 0.8 | 0.82 | 0.82 | 0.82 | 0.84 | 0.82 | 0.98 | 0.98 | 0.98 | 0.98 | 1 | 1 | 0.98 | 1 | |
| I35 | 0.89 | 0.87 | 0.86 | 0.85 | 0.85 | 0.82 | 0.87 | 0.88 | 0.88 | 0.85 | 0.83 | 0.82 | 0.86 | 0.8 | 0.82 | 0.86 | 0.87 | 0.82 | 0.85 | 0.84 | 0.81 | 0.83 | 0.83 | 0.83 | 0.85 | 0.83 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 1 |

I1:KD43W, I2: KDB43e, I3:KDB43d, I4: KDS44G, I5: KDS44B, I6: KDs45M, I7: KDP32-2: I8: ES013-6, I9: ES013-10, I10: KDS016, I11: KDS20-9, I12: KDS-018, I13: KDP21, I14: KD22-2, I15: KDS27-2, I16: KDS30D, I17: KDP31-2, I18: KDS34-1, I19: JKS53-3, I20: JKS54-4, I21: JKS57-5, I22: JKS49-8, I23: KDS28-2, I24: KDS28-2D, I25: DD5, I26: DD2, I27: ES227-1, I28: ES227-2-1, I29: ES227-3, I30: ES228, I31: ES229, I32: ES229-2, I33: ES231, I34: ES232, I35: ES232-2.

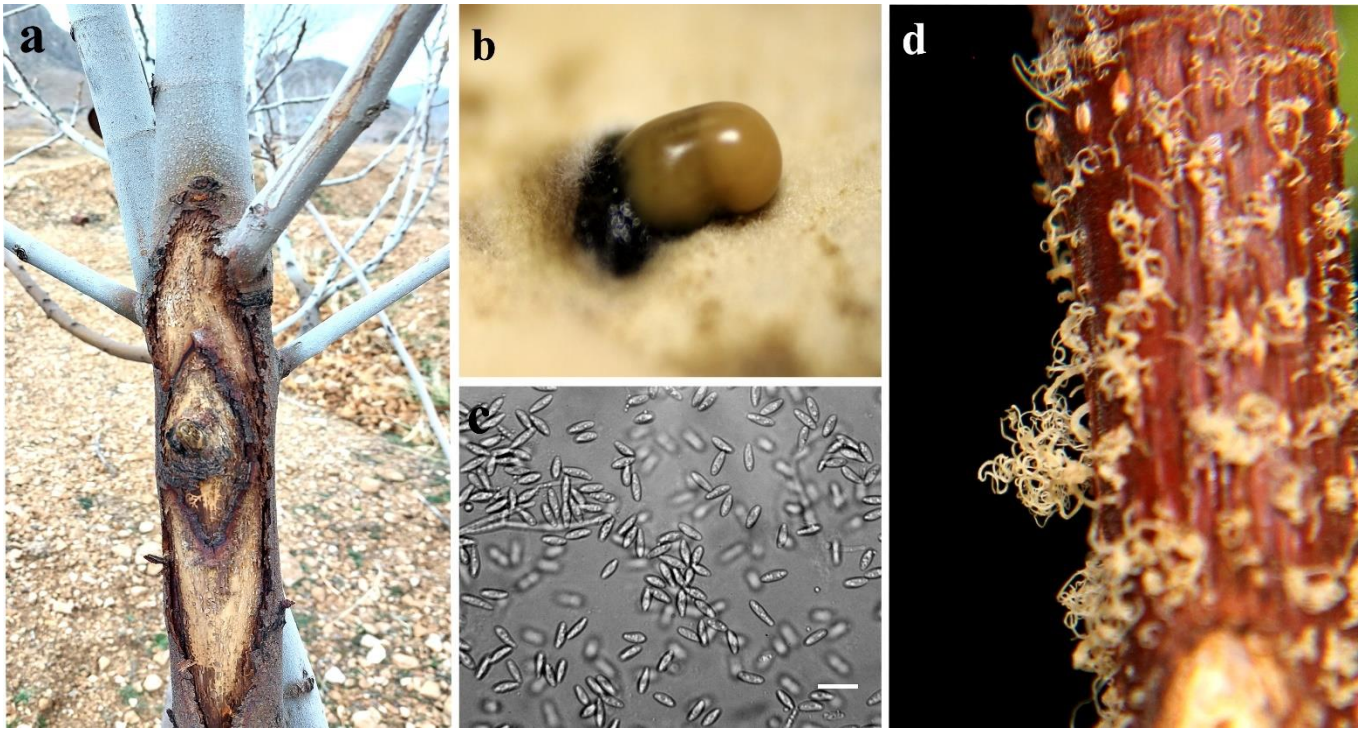


**Fig. 1S.** Symptoms and signs of Diaporthe fig canker observed in infected fig orchards in Fars Province, Iran. a: Fig canker type A, trunk lesion with zonation originating from pruning wounds; b: Exudation of conidia from pycnidium of *Diaporthe cinerascens* on potato dextrose agar culture after 10 days at 25 °C in darkness, c: α-conidia of *D. cinerascens*, Bar = 20 µm, d: Exudation of conidia from pycnidium on inoculated fig sapling.