

Table S1. Analysis of variance (ANOVA) of four pathogenicity characteristics induced by *Stilbocrea banihashemiana* isolates (n =53) on detached shoots of fig trees.

S.O.V	Df	Lesion length			Lesion width			Upward internal lesion progression			Upward internal lesion progression		
		MS	F-value	P-value	MS	F-value	P-value	MS	F-value	P-value	MS	F-value	P-value
Isolate	52	144.41	46.86	<.0001	6.25	8.95	<.0001	239.23	50.96	<.0001	111.26	75.94	<.0001
Error	212	3.08			0.70			4.69			1.46		
CV (%)		10.69			9.85			12.46			10.99		

Note: S.O.V: Source of variation; Df: Degrees of freedom; MS: Mean square, CV: Coefficient of variation.

Table S2. Mean values of four pathogenicity traits induced by 53 *Stilbocrea banihashemiana* isolates in a detached fig shoot assay. Within each column, means followed by different letters differ significantly ($P \leq 0.05$).

Isolate code	Lesion length *	Lesion width	Upward internal lesion progression	Downward internal lesion progression	Isolate code	Lesion length	Lesion width	Upward internal lesion progression	Downward internal lesion progression
ECH218-1	15.2 ^{h-n} ± 1.3	8.6 ^{b-f} ± 0.9	13.0 ^{m-u} ± 1.2	10.6 ⁱ⁻ⁿ ± 0.9	ES235-1	17.0 ^{f-j} ± 2.0	9.0 ^{b-f} ± 0.7	19.2 ^{g-l} ± 2.3	8.2 ^{m-p} ± 0.8
EK234-1	11.4 ^{nop} ± 0.5	7.0 ^{ef} ± 0.7	10.4 ^{q-v} ± 0.9	7.4 ^{op} ± 0.5	ES235-2	10.8 ^{nop} ± 0.8	7.2 ^{ef} ± 0.4	10.2 ^{u-v} ± 1.5	7.0 ^p ± 0.7
EK234-2	12.8 ^{j-p} ± 1.3	7.4 ^{def} ± 0.5	14.4 ^{k-q} ± 0.9	10.2 ^{j-o} ± 0.8	Esi186-1	29.2 ^a ± 2.3	11.9 ^a ± 0.8	31.8 ^{bc} ± 3.1	23.2 ^{bc} ± 2.1
ES227-1	12.2 ^{k-p} ± 1.6	7.6 ^{def} ± 1.0	18.0 ^{g-m} ± 0.5	8.4 ^{l-p} ± 3.5	FS1	12.8 ^{j-p} ± 2.0	8.6 ^{b-f} ± 0.5	14.4 ^{k-q} ± 2.1	8.6 ^{l-p} ± 1.1
ES227-2	16.6 ^{g-k} ± 0.9	8.4 ^{b-f} ± 0.5	12.4 ^{n-v} ± 1.4	10.0 ^{j-p} ± 1.2	Gh093-1	13.0 ^{j-p} ± 1.4	7.4 ^{def} ± 0.5	11.0 ^{p-v} ± 1.2	7.6 ^{nop} ± 0.9
ES227-3	14.6 ^{h-p} ± 1.1	8.4 ^{b-f} ± 0.6	13.2 ^{m-u} ± 1.3	7.6 ^{nop} ± 0.5	GhSa11-1	23.4 ^{cde} ± 3.8	9.4 ^{bcd} ± 0.5	20.8 ^{f-j} ± 2.9	15.2 ^{de} ± 1.3
ES227-4	12.0 ^{l-p} ± 0.7	8.0 ^{b-f} ± 0.7	14.4 ^{k-q} ± 1.7	9.2 ^{k-p} ± 1.3	GhSa11-2	15.0 ^{h-o} ± 1.0	9.8 ^{abc} ± 0.8	29.8 ^{bcd} ± 3.0	13.4 ^{d-i} ± 1.9
ES229-1	16.4 ^{g-l} ± 2.1	8.5 ^{b-f} ± 1.4	17.4 ^{g-n} ± 1.7	13.6 ^{d-h} ± 1.5	GhSa11-5-1	16.0 ^{g-m} ± 1.6	8.0 ^{b-f} ± 0.7	19.2 ^{g-l} ± 2.6	13.4 ^{d-i} ± 1.1
ES229-2	10.8 ^{nop} ± 0.8	8.0 ^{b-f} ± 0.7	10.8 ^{p-v} ± 1.3	8.2 ^{m-p} ± 0.8	Kh170-1	15.2 ^{h-n} ± 0.8	7.8 ^{c-f} ± 0.8	15.4 ^r ± 1.3	11.4 ^l ± 0.5
ES229-3	17.6 ^{f-i} ± 2.1	7.6 ^{def} ± 0.5	14.6 ^{k-q} ± 1.3	7.4 ^{op} ± 0.5	Kh170-2	16.6 ^{g-k} ± 3.1	8.2 ^{b-f} ± 1.1	15.6 ^r ± 2.3	10.0 ^{j-p} ± 1.9
ES229-4	12.0 ^{l-p} ± 0.7	7.6 ^{def} ± 0.9	13.8 ^{l-t} ± 2.0	7.6 ^{nop} ± 0.9	Kh170-4	24.0 ^{bcd} ± 1.9	8.4 ^{b-f} ± 0.5	21.9 ^{efg} ± 1.8	10.8 ^{i-m} ± 0.8
ES229-5	15.8 ^{h-o} ± 2.4	9.4 ^{bcd} ± 1.1	17.0 ^{g-o} ± 2.7	8.4 ^{l-p} ± 1.6	Kh170-6	12.7 ^{j-p} ± 0.8	9.4 ^{bcd} ± 1.1	27.0 ^{cde} ± 7.2	8.8 ^{l-p} ± 1.3
ES229-6	19.1 ^{e-h} ± 1.0	8.8 ^{b-f} ± 0.8	17.4 ^{g-n} ± 1.3	10.6 ⁱ⁻ⁿ ± 1.7	Kh170-7	10.4 ^p ± 0.5	7.4 ^{def} ± 0.5	14.2 ^{k-s} ± 1.5	7.7 ^{m-p} ± 0.7
ES229-8	10.8 ^{nop} ± 1.1	8.4 ^{b-f} ± 1.1	8.4 ^{uv} ± 1.1	7.0 ^p ± 0.7	NS195-1	28.4 ^{ab} ± 1.8	11.6 ^a ± 0.6	34.8 ^{ab} ± 1.3	25.4 ^b ± 1.1
ES231-1	11.8 ^{m-p} ± 1.0	7.6 ^{def} ± 0.7	10.8 ^{p-v} ± 1.7	7.4 ^{op} ± 1.1	NS199-1	21.2 ^{def} ± 1.9	8.0 ^{b-f} ± 0.7	15.6 ^r ± 1.7	10.6 ⁱ⁻ⁿ ± 1.3
ES231-1-1	12.8 ^{j-p} ± 1.1	7.5 ^{def} ± 0.5	14.0 ^{k-s} ± 1.0	8.6 ^{l-p} ± 0.9	NS202	29.6 ^a ± 3.4	11.8 ^a ± 0.8	39.6 ^a ± 1.1	29.4 ^a ± 2.3
ES231-2	16.0 ^{g-m} ± 1.0	8.0 ^{b-f} ± 0.7	11.6 ^{o-v} ± 1.7	9.8 ^{j-p} ± 1.1	NSDrj-1	10.2 ^p ± 0.8	7.0 ^{ef} ± 0.7	7.0 ^v ± 0.7	7.4 ^{op} ± 0.5
ES231-4	12.1 ^{k-p} ± 0.6	9.1 ^{b-f} ± 0.9	19.0 ^{g-l} ± 2.3	8.4 ^{l-p} ± 1.5	QW6-1	17.8 ^{f-i} ± 1.5	8.6 ^{b-f} ± 0.5	21.4 ^{fgh} ± 1.9	10.6 ⁱ⁻ⁿ ± 0.9
ES231-5	12.0 ^{l-p} ± 1.2	7.7 ^{c-f} ± 0.8	14.8 ^{k-q} ± 0.8	7.8 ^{m-p} ± 0.8	QW6-10	13.4 ^{i-p} ± 1.5	9.4 ^{bcd} ± 1.1	13.8 ^{l-t} ± 2.0	7.6 ^{nop} ± 0.5
ES231-5-1	21.2 ^{def} ± 0.8	9.4 ^{bcd} ± 0.5	19.4 ^{g-k} ± 2.2	10.4 ^{i-p} ± 1.7	QW8-1	27.4 ^{abc} ± 1.8	10.0 ^{ab} ± 1.2	29.6 ^{bcd} ± 3.1	14.0 ^{d-g} ± 2.0
ES231-6	10.6 ^{op} ± 0.5	7.6 ^{def} ± 0.9	8.7 ^{s-v} ± 0.8	7.8 ^{m-p} ± 1.3	QW8-2	16.4 ^{g-l} ± 3.2	8.8 ^{b-f} ± 1.1	21.2 ^{f-i} ± 2.2	7.8 ^{m-p} ± 0.8
ES232-2	23.4 ^{cde} ± 2.4	9.0 ^{b-f} ± 1.0	16.8 ^{g-o} ± 1.3	15.0 ^{def} ± 1.0	S12-s43	19.8 ^{d-g} ± 2.8	9.2 ^{b-e} ± 1.8	26.2 ^{def} ± 1.9	16.2 ^d ± 1.9
ES232-2-2	13.0 ^{j-p} ± 0.7	7.4 ^{def} ± 0.5	13.4 ^{g-o} ± 1.5	12.0 ^{f-k} ± 0.7	S14-s47	23.6 ^{cd} ± 2.1	8.6 ^{b-f} ± 0.5	21.4 ^{fgh} ± 3.8	14.0 ^{d-g} ± 1.2
ES232-2-3	14.6 ^{h-p} ± 1.7	8.0 ^{b-f} ± 0.7	18.4 ^{g-m} ± 1.1	9.4 ^{k-p} ± 1.1	S41-s29	17.6 ^{f-i} ± 1.5	8.2 ^{b-f} ± 1.3	16.2 ^{h-p} ± 1.5	9.8 ^{j-p} ± 1.1
ES232-2-8	12.8 ^{j-p} ± 1.1	7.4 ^{def} ± 0.5	13.8 ^{l-t} ± 1.7	11.4 ^{i-l} ± 0.5	S43-s28	20.2 ^{d-g} ± 3.2	9.0 ^{b-f} ± 1.2	16.2 ^{h-p} ± 2.7	9.4 ^{k-p} ± 1.3
ES232-3	11.0 ^{nop} ± 1.2	7.5 ^{def} ± 0.5	8.2 ^{uv} ± 1.3	7.8 ^{m-p} ± 0.8	S4-s51	27.2 ^{abc} ± 2.6	9.8 ^{abc} ± 0.8	28.0 ^{cd} ± 2.0	21.6 ^c ± 1.5
ES232-4	13.6 ^{i-p} ± 1.5	7.4 ^{def} ± 0.6	15.8 ^{i-q} ± 1.3	12.6 ^{e-j} ± 0.9					

*mm; mean ± standard deviation (n = 5).

Table S3. Analysis of variance (ANOVA) of internal lesion length and width induced by *Stilbocrea banhashemiana* (ex-type, isolate FS1= CBS 148864) on saplings of 10 fig cultivars.

S.O.V	Df	Internal lesion length			Internal lesion width		
		MS	F-value	P-value	MS	F-value	P-value
Cultivar	9	24.80	11.46	<.0001	6.84	8.79	<.0001
Error	20	2.16			0.79		
CV (%)		17.12			10.89		

Note: S.O.V: Source of variation; Df: Degrees of freedom; MS: Mean square, CV: Coefficient of variation.

Table S4. Specific primer pairs for *Stilbocrea banhashemiana* based on the *tefl* gene used in this study (Negahban *et al.* 2024a).

Primer pairs	Primer	Product length (bp)	Sequence (5' to 3')	Target (GenBank accession no.)	Location
TEF-Sb1	TEF-SbF1	443	GCCTTATCTGCTCTGGTGGGG	OM876865	71-514
	TEF-SbR1		GAGGGTGTAAAGCGAGCAGAG		
TEF-Sb3	TEF-SbF1	577	GCCTTATCTGCTCTGGTGGGG	OM876865	71-648
	TEF-SbR2		AAAGGAACGGTCTTGGGGTT		

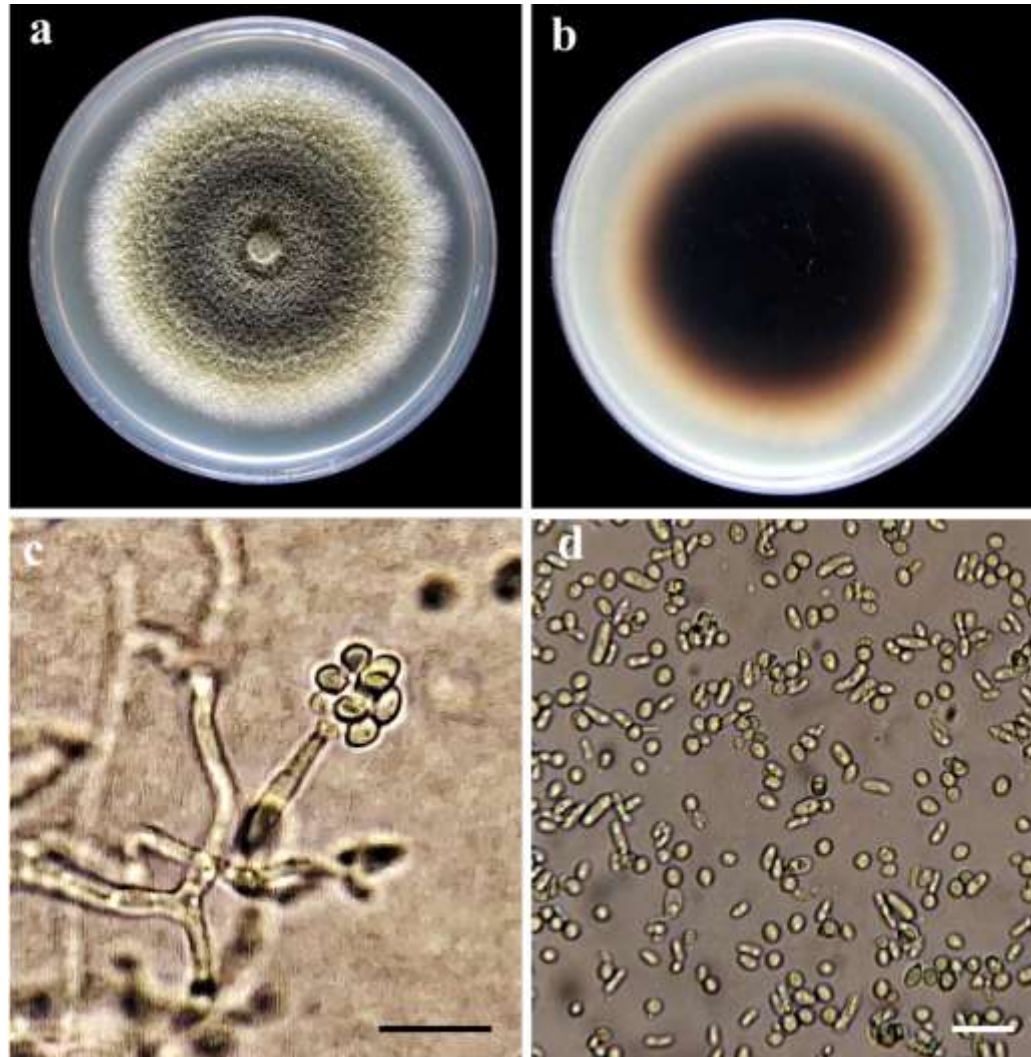


Figure S1. Cultural and asexual morphological characteristics of *Stilbocrea banihashemiana* from infected fig trees in central regions of Fars Province, Iran. Colonies on PDA after 14 days at 25 °C under a 12-h photoperiod, obverse and reverse side view, respectively (a, b); Abundant globose conidia produced by phialides and conidiophores (c); Smooth, hyaline, and unicellular conidia, in two different forms globose and allantoid (d). (Bar = 10 μ m).

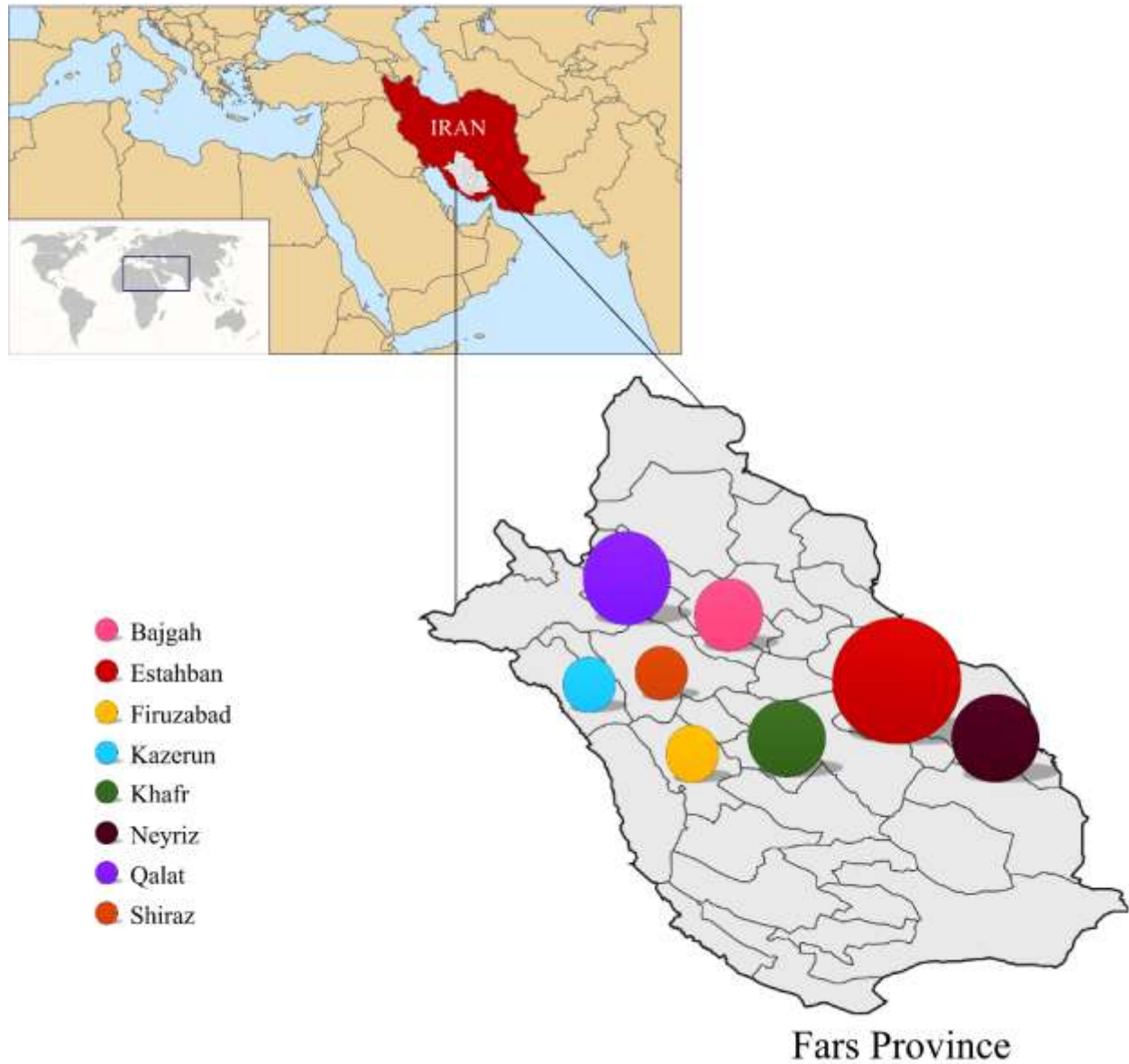


Figure S2. Geographic distribution of *Stilbocrea banihashemiana* isolates recovered from various cultivars of *Ficus carica* in Fars Province, Iran, during a five-year (2019-2023) survey. Circles size is proportional to the number of isolates obtained per location.

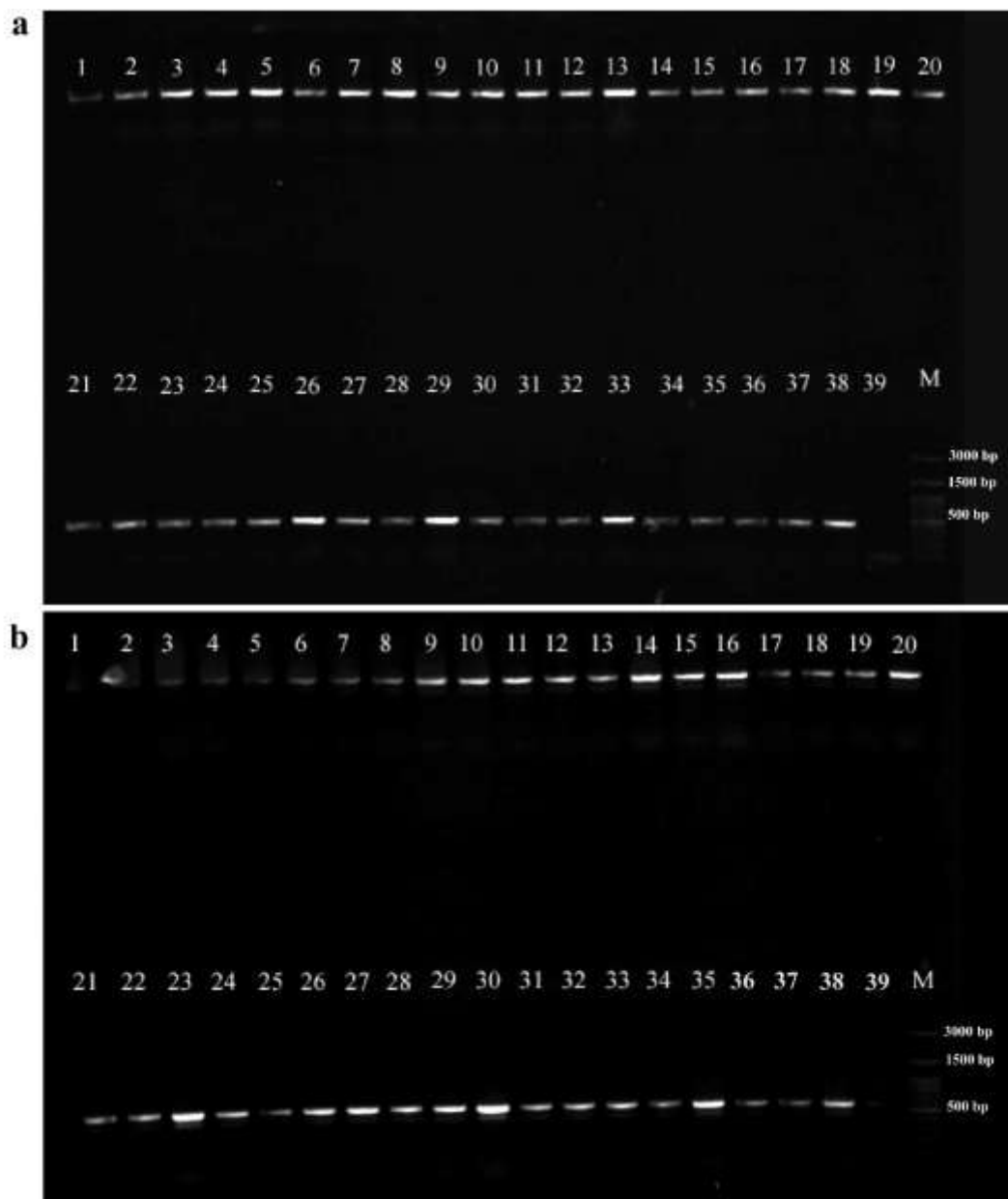


Figure S3. Species-specific PCR identification of *Stilboarea banihashemiana* isolates from infected fig trees in Fars Province. Amplification was performed using primer pairs (a) TEF-Sb1 (TEF-SbF1/TEF-SbR1), yielding a 443 bp product, and (b) TEF-Sb3 (TEF-SbF1/TEF-SbR2), yielding a 577 bp product. Lanes 1–38 correspond to the isolates collected in this study. M: 100 bp DNA ladder (with selected bands labeled at 500 bp, 1500 bp, and 3000 bp). Lane 39: negative control (no template DNA).