

**Table S1:** Sizes and sequence identities (%) of five housekeeping genes of 39 *X. albilineans* strains from China.

Gene	Nucleotide		Amino Acids	
	Length (nt)	Identity (%)	Length (aa)	Identity (%)
<i>ABC</i>	608	99.6 – 100	202	99.5 – 100
<i>gyrB</i>	904	99.3 – 100	300	99.3 – 100
<i>rpoD</i>	1298	98.4 – 100	432	97.9 – 100
<i>atpD</i>	868	97.0 – 100	289	97.9 – 100
<i>glnA</i>	1095	97.6 – 100	364	97.5 – 100

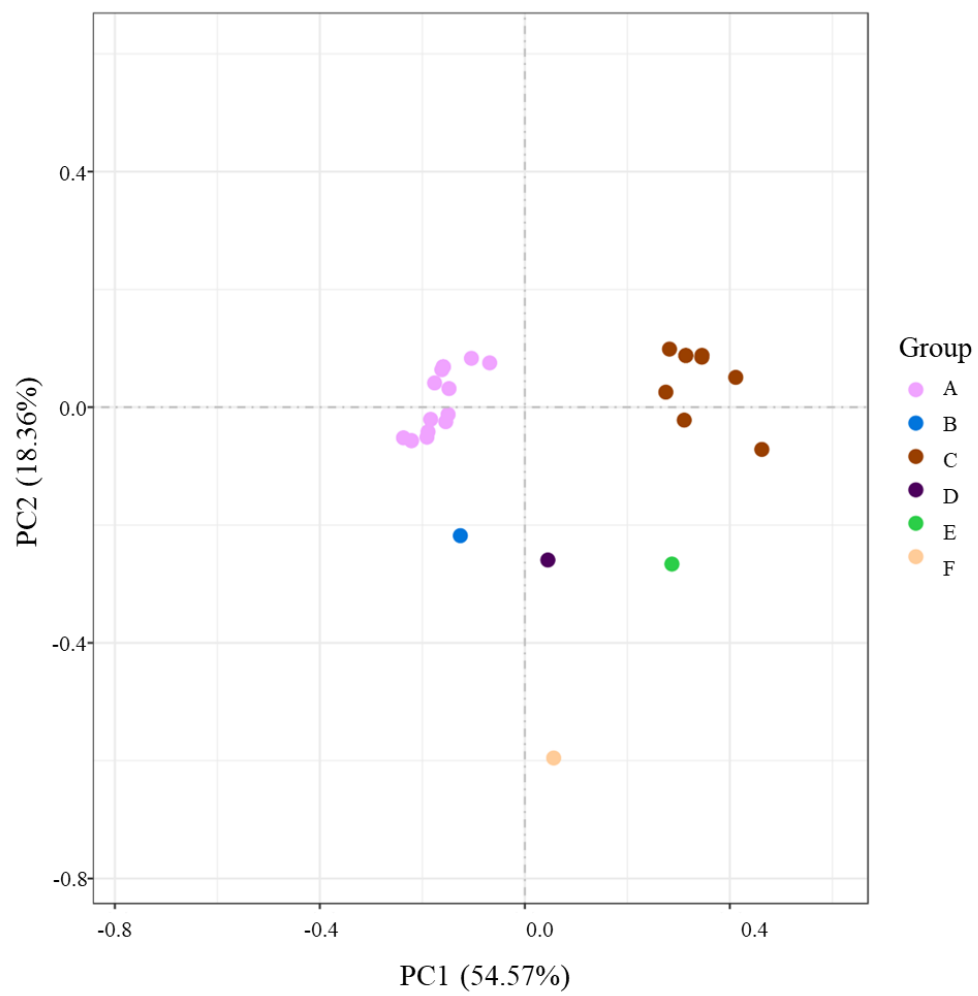
**Table S2:** Primers used for the amplification of five house-keeping genes of 39 *X. albilineans* strains from China.

Target Genes <sup>a</sup>	Primers <sup>b</sup>	Sequence (5'→3')	NCBI Accession Numbers <sup>c</sup>
<i>ABC</i>	XAF1	CCTGGTGATGACGCTGGGTT	MT776083-MT776094, MT776096-MT776106, MT776108-MT776122, MH709206
	XAR1	CGATCAGCGATGCACGCAGT	
<i>atpD</i>	atpD-F2	GGGCAAGATCGTTCAGAT	MT776144-MT776148, MT776150-MT776155, ON112168-ON112195
	atpD-R2	GTTCTTGGTGGAGGTGAT	
<i>glnA</i>	glnA-F2	GGTTAAGGACAACAAGATCG	MT776160-MT776164, MT776166-MT776171, ON112107-ON112125, ON112131-ON112139
	glnA-R2	GCGGCRAAGGTCAGGTAG	
<i>gyrB</i>	XgyrB1F	ACGAGTACAACCCGGACAA	MT776038-MT776049, MT776051-MT776061, MT776063-MT776077, MH709220
	XgyrB1R2	CCCATCAAGGTGCTGAAAAT	
<i>rpoD</i>	rpoD-F1	ATGGCCAACGAACGTCCTGC	MT776128-MT776132, MT776134-MT776139, ON112140-ON112167
	rpoDR3	AACTTGTAGCCGCGACGGTATTC	

<sup>a</sup> *ABC*, ABC transporter protein; *rpoD*, encoding the  $\beta$  subunit of the bacterial RNA polymerase; *glnA*, encoding a citrate synthase; *gyrB*,  $\beta$  subunit of the DNA gyrase; *atpD*,  $\beta$  subunit of ATP synthase.

<sup>b</sup> The primer pair XAF1/XAR1 and other four primer pairs were referred to Wang et al. (2010) and Ntambo et al. (2019), respectively.

<sup>c</sup> The sequences of *ABC* gene were from this study, while the sequences of other four genes were retrieved from the observation by Zhao et al. (2022).



**Figure S1:** Principal coordinates analysis of 39 *X. albilineans* strains of based on rep-PCR fingerprints.