Predictions of potential geographical distribution of *Diaphorina citri* (Kuwayama) in China under climate change scenarios

Rulin Wang[1, 2], Hua Yang[3], Mingtian Wang[4], Zhe Zhang[1], Tingting Huang[2], Gang Wen[5], Qing Li[1,*]

[1]College of Agronomy, Sichuan Agricultural University, Chengdu, Sichuan, 611130, China. [2]Sichuan Provincial Rural Economic Information Center, Chengdu, Sichuan, 610072, China. [3]Key Laboratory of Ecological Forestry Engineering of Sichuan Province/College of Forestry, Sichuan Agricultural University, Chengdu 611130, China. [4]Sichuan Meteorological Observatory, Chengdu, Sichuan, 610072, China. [5] *Bureau of Agriculture of Yibin City,* Yibin, Sichuan, 644000, China. Correspondence and requests for materials should be addressed to Q.L. (email: liq8633@163.com)

S2 Table. Pairwise Pearson's correlation coefficients of environmental variables.

	alt	bio1	bio2	bio3	bio4	bio5	bio6	bio7	bio8	bio9	bio10	bio11	bio12	bio13	bio14	bio15	bio16	bio17	bio18
bio1	0.1																		
bio2	0.15	0.37**																	
bio3	-0.05	0.22*	0.24**																
bio4	0.5**	0.62**	0.41**	0.13															
bio5	0.28**	0.57**	0.44**	0.13	0.57**														
bio6	-0.11	0.44**	0.15	0.06	0.4**	0.5**													
bio7	0.25**	0.81**	0.36**	0.14	0.68**	0.61**	0.46**												
bio8	0.15	0.91**	0.22*	-0.08	0.49**	0.64**	0.41**	0.71**											
bio9	-0.03	0.62**	0.21*	0.02	0.59**	0.41**	0.72**	0.58**	0.55**										
bio10	0.3**	0.59**	0.53**	0.16	0.69**	0.52**	0.22**	0.58**	0.53**	0.46**									
bio11	-0.07	0.56**	0.2*	0.01	0.49**	0.36**	0.75**	0.55**	0.54**	0.8**	0.44**								
bio12	0.33**	0.53**	0.37**	0.13	0.77**	0.48**	0.24**	0.59**	0.6**	0.49**	0.59**	0.33**							
bio13	0.13	0.3**	0.17*	-0.07	0.59**	0.3**	0.39**	0.29**	0.29**	0.49**	0.41**	0.57**	0.38**						
bio14	-0.11	0.78**	0.31**	0.05	0.36**	0.53**	0.55**	0.7**	0.81**	0.72**	0.48**	0.59**	0.37**	0.12					
bio15	-0.01	0.1	0.73**	0.14	0.19*	0.31**	0.14	0.06	0.05	0.09	0.39**	0.07	0.21*	0.14	0.18*				
bio16	0.71**	0.28**	0.17*	-0.08	0.7**	0.39**	0.05	0.43**	0.44**	0.23*	0.45**	0.1	0.51**	0.33**	0.1	0.02			
bio17	0.38**	0.61**	0.3**	0.01	0.72**	0.57**	0.6**	0.68**	0.6**	0.79**	0.59**	0.62**	0.62**	0.4**	0.69**	0.14	0.55**		
bio18	**0.92****	0.22*	0.23**	-0.01	0.62**	0.39**	0.02	0.35**	0.31**	0.11	0.42**	0.08	0.42**	0.27**	0	0.07	0.74**	0.5**	
bio19	0.33**	0.66**	0.32**	0.03	0.75**	0.56**	0.49**	0.73**	0.59**	0.71**	0.6**	0.69**	0.63**	0.4**	0.66**	0.1	0.51**	0.79**	.44**

Notes:

bio1: Annual Mean Temperature; bio2: Mean Diurnal Range; bio3: Isothermality; bio4: Temperature Seasonality; bio5: Max Temperature of Warmest Month; bio6: Min Temperature of Coldest Month; bio7: Temperature Annual Range; bio8: Mean Temperature of Wettest Quarter; bio9: Mean Temperature of Driest Quarter; bio10: Mean Temperature of Warmest Quarter; bio11: Mean Temperature of Coldest Quarter; bio12: Annual Precipitation; bio13: Precipitation of Wettest Month; bio14:

Precipitation of Driest Month; bio15: Precipitation Seasonality; bio16: Precipitation of Wettest Quarter; bio17: Precipitation of Driest Quarter; bio18: Precipitation of Warmest Quarter; bio19: Precipitation of Coldest Quarter; ALT: Altitude. The symbol '**' indicates a significant correlation at the level of alpha = 0.01.