

附表 1 不同气候变化情景下兰属植物适生区面积及其动态变化

Appendix 1 Dynamic changes in suitable habitat area of *Cymbidium* under different climate scenarios

物种 Species	气候情景 Climate scenario	时段 Period	总适生面积 Total suitable area ($\times 10^4$ km ²)	面积变化 Area change (%)	高度适生 面积 Highly suitable area ($\times 10^4$ km ²)	面积变化 Area change (%)	中度适生 面积 Moderately suitable area ($\times 10^4$ km ²)	面积变化 Area change (%)	低度适生面积 Marginally suitable area ($\times 10^4$ km ²)	面积变化 Area change (%)	非适生区面积 Unsuitable area ($\times 10^4$ km ²)	面积变化 Area change (%)
<i>Cymbidium</i>	—	现代 Current	248.18	—	100.37	—	80.43	—	67.39	—	713.89	—
	SSP1-2.6	2030s	236.16	-4.84	88.82	-11.51	76.62	-4.74	70.72	4.95	725.91	1.68
		2050s	233.60	-5.88	88.62	-11.70	76.46	-4.93	68.52	1.68	728.47	2.04
		2070s	238.49	-3.90	83.54	-16.77	73.99	-8.00	80.96	20.15	723.58	1.36
	SSP5-8.5	2030s	232.55	-6.30	84.94	-15.37	74.34	-7.57	73.28	8.74	729.51	2.19
		2050s	226.48	-8.74	74.45	-25.83	77.37	-3.80	74.67	10.81	735.59	3.04
		2070s	234.05	-5.70	91.08	-9.26	67.91	-15.57	75.06	11.39	728.02	1.98
	—	现代 Current	64.66	—	5.08	—	19.44	—	40.15	—	897.41	—
	SSP1-2.6	2030s	74.23	14.81	8.85	74.29	21.22	9.20	44.16	9.99	887.84	-1.07
2050s		72.63	12.33	6.96	37.03	21.87	12.51	43.80	9.11	889.44	-0.89	
2070s		76.27	17.95	7.83	54.26	22.38	15.13	46.06	14.73	885.80	-1.29	
<i>C. dayanum</i>	2090s	73.04	12.96	6.76	33.09	21.42	10.23	44.86	11.74	889.03	-0.93	
	SSP5-8.5	2030s	79.07	22.29	8.47	66.74	22.36	15.05	48.24	20.17	883.00	-1.61
		2050s	60.86	-5.88	4.74	-6.74	17.18	-11.60	38.94	-3.00	901.21	0.42
2070s		69.36	7.28	5.73	12.89	19.06	-1.91	44.57	11.01	892.70	-0.52	
—	现代 Current	61.82	-4.40	5.60	10.32	18.78	-3.37	37.43	-6.76	900.25	0.32	
<i>C. lancifolium</i>	—	现代 Current	128.71	—	21.98	—	33.24	—	73.49	—	833.35	—
	SSP1-2.6	2030s	136.30	5.89	24.26	10.37	35.83	7.79	76.21	3.70	825.77	-0.91
		2050s	128.95	0.18	23.13	5.24	38.68	16.35	67.14	-8.64	833.12	-0.03
		2070s	123.51	-4.04	22.04	0.28	35.01	5.31	66.46	-9.57	838.56	0.62
	SSP5-8.5	2030s	122.23	-5.04	24.60	11.93	38.88	16.95	58.75	-20.06	839.84	0.78
		2050s	133.78	3.94	22.83	3.85	37.00	11.30	73.96	0.64	828.28	-0.61
		2070s	127.60	-0.87	23.11	5.17	36.68	10.35	67.80	-7.75	834.47	0.13
	—	现代 Current	134.65	4.62	25.49	15.98	38.84	16.85	70.32	-4.32	827.41	-0.71
	SSP1-2.6	2030s	135.28	5.10	26.49	20.51	42.81	28.77	65.98	-10.22	826.79	-0.79
2050s		39.33	—	7.57	—	9.52	—	22.24	—	922.74	—	
2070s		35.13	-10.68	7.01	-7.39	7.87	-17.30	20.25	-8.96	926.94	0.46	
<i>C. lowianum</i>	2050s	39.87	1.37	8.60	13.70	10.31	8.26	20.96	-5.78	922.20	-0.06	
	2070s	41.85	6.41	6.33	-16.31	9.69	1.75	25.83	16.14	920.22	-0.27	
	SSP5-8.5	2030s	42.34	7.64	7.24	-4.29	9.82	3.15	25.27	13.62	919.73	-0.33
2050s		42.57	8.25	8.32	9.91	10.32	8.42	23.94	7.61	919.49	-0.35	
2070s		59.47	51.22	11.42	50.99	18.24	91.61	29.81	34.01	902.59	-2.18	
—	现代 Current	47.49	20.76	8.49	12.23	10.77	13.17	28.23	26.90	914.57	-0.88	
SSP1-2.6	2030s	50.36	28.05	10.76	42.24	9.81	2.99	29.80	33.95	911.70	-1.20	
	2050s	241.50	—	64.18	—	82.49	—	94.83	—	720.57	—	
	2070s	254.01	5.18	68.24	6.32	85.83	4.06	99.94	5.38	708.06	-1.74	
<i>C. macrorhizon</i>	2050s	258.49	7.04	71.24	11.00	81.51	-1.18	105.75	11.51	703.57	-2.36	
	2070s	261.64	8.34	65.84	2.59	89.16	8.09	106.64	12.45	700.43	-2.80	
	SSP5-8.5	2030s	266.35	10.29	68.99	7.50	90.25	9.41	107.11	12.95	695.71	-3.45
2050s		254.96	5.57	69.62	8.48	83.02	0.65	102.31	7.89	707.11	-1.87	
2070s		260.45	7.85	73.28	14.17	83.75	1.54	103.42	9.06	701.61	-2.63	
—	现代 Current	260.72	7.96	70.93	10.51	79.14	-4.06	110.65	16.69	701.35	-2.67	
SSP1-2.6	2030s	289.87	20.03	78.18	21.81	94.58	14.66	117.11	23.50	672.20	-6.71	
	2050s	74.70	—	4.63	—	23.03	—	47.04	—	887.36	—	
	2070s	76.56	2.49	6.26	34.99	27.11	17.71	43.20	-8.16	885.50	-0.21	
<i>C. eburneum</i>	2050s	79.67	6.65	5.57	20.23	33.81	46.80	40.29	-14.35	882.39	-0.56	
	2070s	75.54	1.11	6.40	38.03	26.73	16.08	42.41	-9.85	886.53	-0.09	
	SSP5-8.5	2030s	75.27	0.76	6.19	33.57	28.22	22.52	40.87	-13.12	886.79	-0.06
2050s		76.88	2.91	5.52	19.22	25.87	12.32	45.49	-3.30	885.19	-0.25	
2070s		77.83	4.18	4.19	-9.63	28.50	23.74	45.14	-4.03	884.24	-0.35	
—	现代 Current	74.81	0.14	4.30	-7.19	25.16	9.26	45.35	-3.60	887.26	-0.01	
SSP1-2.6	2030s	73.98	-0.97	5.13	10.75	21.98	-4.55	46.86	-0.37	888.09	0.08	
	2050s	300.45	—	45.71	—	79.77	—	174.98	—	661.62	—	
	2070s	352.35	17.28	48.68	6.51	95.78	20.08	207.89	18.81	609.71	-7.85	
<i>C. serratum</i>	2050s	329.27	9.59	47.93	4.87	85.49	7.17	195.85	11.93	632.80	-4.36	
	2070s	326.83	8.78	49.45	8.20	84.49	5.92	192.88	10.23	635.24	-3.99	
	2090s	334.25	11.25	53.57	17.21	82.09	2.91	198.59	13.50	627.82	-5.11	

续附表 1

物种 Species	气候情景 Climate scenario	时段 Period	总适生面积 Total suitable area ($\times 10^4$ km ²)	面积变化 Area change (%)	高度适生面积 Highly suitable area ($\times 10^4$ km ²)	面积变化 Area change (%)	中度适生面积 Moderately suitable area ($\times 10^4$ km ²)	面积变化 Area change (%)	低度适生面积 Marginally suitable area ($\times 10^4$ km ²)	面积变化 Area change (%)	非适生区面积 Unsuitable area ($\times 10^4$ km ²)	面积变化 Area change (%)
长叶兰 <i>C. erythraeum</i>	SSP1-2.6	2030s	95.55	-45.85	31.69	-20.19	20.08	-33.67	43.77	-58.88	866.52	10.30
		2050s	164.01	-7.05	38.50	-3.05	23.22	-23.30	102.29	-3.93	798.06	1.58
		2070s	158.84	-9.98	38.23	-3.72	22.97	-24.15	97.64	-8.29	803.23	2.24
	SSP5-8.5	2090s	95.09	-46.11	32.42	-18.37	17.07	-43.61	45.60	-57.17	866.98	10.36
		2030s	126.85	-28.11	37.37	-5.91	21.02	-30.57	68.46	-35.70	835.22	6.31
		2050s	159.18	-9.79	38.25	-3.68	24.92	-17.68	96.01	-9.83	802.89	2.20
		2070s	149.55	-15.25	38.25	-3.68	23.13	-23.61	88.17	-17.19	812.52	3.43
		2090s	150.26	-14.84	37.65	-5.19	22.38	-26.07	90.23	-15.25	811.80	3.33