

**Table S7. Dynamics of changes in distribution area of *C. nivea* under different climate scenarios**

Climate scenarios		Not suitable area/%	Low suitable area/%	Moderately suitable area/%	Highly suitable area/%	Total suitable area/%
Current climate		70.87	22.03	5.46	1.64	29.13
2021-2040	SSP126	68.83	22.83	6.76	1.58	31.17
	SSP370	70.39	22.71	5.72	1.17	29.6
	SSP585	66.48	22.81	8.45	2.26	33.52
	SSP126	67.61	21.67	8.1	2.62	32.39
2041–2060	SSP370	67.02	22.47	7.95	2.57	32.99
	SSP585	70.79	19.77	6.93	2.5	29.2
	SSP126	68.64	22.39	6.97	2	31.36
	SSP370	59.13	28.71	9.78	2.39	40.88
2061–2080	SSP585	62.94	26.39	8.63	2.03	37.05
	SSP126	70.2	21.71	6.24	2.39	30.34
	SSP370	58.16	27.03	10.65	4.16	41.84
	SSP585	61.42	26.61	8.81	3.16	38.58
Mean		66.34	23.63	7.73	2.34	33.70