

**Table S4. Key climatic factors influencing habitat distribution of three species**

<b>Species</b>	<b>Environmental variables</b>	<b>Suitable range</b>	<b>Optimum</b>	<b>Maximum probability of existence</b>
<i>C.chrysosperma</i>	Bio1(°C)	2.76–17.19	9.94	0.63
	gm_lc_v3	>3.18	21.9	0.62
	Bio2(°C)	>1.9	21.84	0.71
	Bio15 (mm)	0–120.14	49.37	0.54
	Bio9(°C)	-10.46–9.17	-0.92	0.62
<i>C.mali</i>	Bio19 (mm)	0–46.55	16.62	0.68
	Bio18(mm)	8.57–927.25	272.72	0.7
	gm_lc_v3	7.08–19.23	18.48	0.96
<i>C.nivea</i>	Bio11(°C)	-13.64–4.75	-2.09	0.64
	Bio13(mm)	0–154.09	7.52	0.66
	t teb	0–46.58	4.25	0.65