

**Table S5.** Principal components with an accumulative variance  $\geq 75$  % for the environmental predictors of *Catasetum ochraceum*.

	PC1	PC2
Standard deviation	7.667164	2.897307
Proportion of Variance	0.74412	0.10626
Cumulative Proportion	0.74412	0.85038
Factors		
bio_01	-0.12896	-0.045
bio_02	0.084398	-0.02991
bio_03	0.113061	-0.00166
bio_04	-0.10236	-0.10387
bio_05	-0.12685	-0.05346
bio_06	-0.1286	-0.04058
bio_07	-0.0194	-0.07194
bio_08	-0.12853	-0.04824
bio_09	-0.12885	-0.04996
bio_10	-0.12837	-0.05887
bio_11	-0.12828	-0.04175
bio_12	-0.12099	0.116164
bio_13	-0.1242	0.064568
bio_14	-0.05327	0.289324
bio_15	-0.00124	-0.29248
bio_16	-0.12358	0.065499
bio_17	-0.06713	0.273191
bio_18	-0.0562	0.278682
bio_19	-0.12463	0.042845
prec_01	-0.02152	0.261866
prec_02	-0.03398	0.245427
prec_03	-0.08402	0.207649
prec_04	-0.12068	0.115735
prec_05	-0.12247	0.057039
prec_06	-0.11631	0.069953
prec_07	-0.11671	0.078905
prec_08	-0.11937	0.020824
prec_09	-0.12149	0.051678
prec_10	-0.06736	0.033009
prec_11	-0.04272	0.027325
prec_12	-0.04135	0.232468
srad_01	0.035485	-0.2804
srad_02	0.02289	-0.29934
srad_03	0.078648	-0.1677
srad_04	0.11105	-0.11904
srad_05	0.116156	-0.11112
srad_06	0.118206	-0.09089

---

	PC1	PC2
srad_07	0.117618	-0.08313
srad_08	0.118184	-0.05984
srad_09	0.113004	0.026154
srad_10	0.089287	-0.02838
srad_11	0.048085	-0.13993
srad_12	-0.04534	-0.11126
tavg_01	-0.12829	-0.05769
tavg_02	-0.12828	-0.05938
tavg_03	-0.12861	-0.05495
tavg_04	-0.12937	-0.03855
tavg_05	-0.12823	-0.05845
tavg_06	-0.12833	-0.04545
tavg_07	-0.12489	-0.05492
tavg_08	-0.12506	-0.04642
tavg_09	-0.12858	-0.03566
tavg_10	-0.1296	-0.02936
tavg_11	-0.12965	-0.02861
tavg_12	-0.12964	-0.02959
tmax_01	-0.12436	-0.08038
tmax_02	-0.12384	-0.0888
tmax_03	-0.12405	-0.08075
tmax_04	-0.1228	-0.0613
tmax_05	-0.12066	-0.08295
tmax_06	-0.11727	-0.07363
tmax_07	-0.12103	-0.05716
tmax_08	-0.12139	-0.04645
tmax_09	-0.12676	-0.03255
tmax_10	-0.12849	-0.03057
tmax_11	-0.12892	-0.02997
tmax_12	-0.12901	-0.03
tmin_01	-0.12739	-0.03646
tmin_02	-0.12711	-0.04191
tmin_03	-0.12752	-0.0354
tmin_04	-0.12858	-0.02136
tmin_05	-0.1281	-0.03818
tmin_06	-0.12907	-0.02873
tmin_07	-0.12696	-0.05284
tmin_08	-0.12715	-0.04324
tmin_09	-0.12907	-0.03544
tmin_10	-0.12946	-0.03022
tmin_11	-0.12934	-0.02749
tmin_12	-0.12901	-0.02908

---