

**Table SI.7.** Values of standard deviation, proportion of variance and cumulative proportion for each of the primary components (PCs) from the PCA (principal component analysis; Fig. SI.4) made as a previous step to construct the hypervolumes (Fig. 4 and Fig. SI.7) used to evaluate functional diversity from a multi-trait perspective.

	PC1	PC2	PC3	PC4	PC5	PC6
Standard deviation	2.2096	0.8252	0.53573	0.33098	0.19697	0.03581
Proportion of variance	0.8137	0.1135	0.04783	0.01826	0.00647	0.00021
Cumulative proportion	0.8137	0.9272	0.97506	0.99332	0.99979	1.00000