



**FIGURE S5** | Quality of the morphological space representation given the number of considered PCA axes (based on Maire *et al.*, 2015). We performed all analyses in four-dimensional (4D) trait space.

## REFERENCE

- Maire E, Grenouillet G, Brosse S, Villéger S. How many dimensions are needed to accurately assess functional diversity? *Glob Ecol Biogeogr.* 2015; 24(6):728–40. <https://doi.org/10.1111/geb.12299>

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