**Supplementary material 3.** Variation of species composition of the herbaceous-subshrub layer across 60 plots distributed at the four *campo sujo* areas, Jalapão region, Tocantins, Brazil.



**Figure S3.1** – The first two axes of the non-metric multidimensional scaling (NMDS) of the herbaceous-subshrub occurrence data across 60 plots distributed in the four *campo sujo* areas.



**Figure S3.2** - Variation of species composition represented by the first two axes of the non-metric multidimensional scaling (NMDS) of the herbaceous-subshrub occurrence data across 60 plots distributed in the four *campo sujo* areas. A and B. First and second axes of the NMDS based on the occurrence species data. Different letters indicate differences between areas in the post hoc Tukey’s HSD multiple comparison test (p < 0.05).