

A scatter plot showing the relationship between the number of species ( $S$ ) on the y-axis and the number of samples ( $n$ ) on the x-axis. The x-axis ranges from 0 to 1000, and the y-axis ranges from 0 to 1000. A horizontal line is drawn at  $S = 1000$ . The data points are represented by open circles. The plot shows a decreasing trend in species richness as the number of samples increases, with a horizontal line at  $S = 1000$ .

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