**Patterns of tree species composition at watershed-scale in the Amazon ‘Arc of Deforestation’: implications for conservation**

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**Table S1** Distance matrix (km) between forests in the Amazonia-Cerrado transition zone, Brazil. Sites are ordered in a latitudinal gradient, from south, near the Cerrado domain, to the north, near the Amazonian domain. ARA= Araguaia River Basin forest and XIN= Xingu River Basin forest.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ARA-01 | ARA-02 | ARA-03 | ARA-04 | ARA-05 | XIN-01 | XIN-02 | XIN-03 | XIN-04 | XIN-05 |
| ARA-01 | 0 | 0.999 | 585.37 | 590.725 | 605.971 | 195.852 | 213.568 | 223.935 | 226.785 | 232.738 |
| ARA-02 | 0.999 | 0 | 585.37 | 591.171 | 606.406 | 195.87 | 213.598 | 223.979 | 227.065 | 233.004 |
| ARA-03 | 585.37 | 585.37 | 0 | 6.18 | 21.812 | 416.616 | 401.068 | 390.899 | 363.864 | 359.196 |
| ARA-04 | 590.725 | 591.171 | 6.18 | 0 | 17.19 | 422.726 | 407.197 | 397.035 | 369.862 | 365.214 |
| ARA-05 | 605.971 | 606.406 | 21.812 | 17.19 | 0 | 436.134 | 420.38 | 410.119 | 384.199 | 379.423 |
| XIN-01 | 195.852 | 195.87 | 416.616 | 422.726 | 436.134 | 0 | 17.879 | 28.621 | 64.084 | 65.14 |
| XIN-02 | 213.568 | 213.598 | 401.068 | 407.197 | 420.38 | 17.879 | 0 | 10.847 | 57.576 | 56.794 |
| XIN-03 | 223.935 | 223.979 | 390.899 | 397.035 | 410.119 | 28.621 | 10.847 | 0 | 54.193 | 52.182 |
| XIN-04 | 226.785 | 227.065 | 363.864 | 369.862 | 384.199 | 64.084 | 57.576 | 54.193 | 0 | 6.872 |
| XIN-05 | 232.738 | 233.004 | 359.196 | 365.214 | 379.423 | 65.14 | 56.794 | 52.182 | 6.872 | 0 |