

Table S11. Discretized matrix of linguistic distances for pairs of populations, with stock distances based on the Jaccard index.

| | | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII | XIII | XIV | XV | XVI | XVII | XVIII | XIX | XX | XXI | XXII | XXIII | XXIV | XXV | XXVI | XXVII | XXVIII |
|--------|-------------------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|------|-----|-----|-----|------|-------|-----|-----|-----|------|-------|------|-----|------|-------|--------|
| I | Cree | 0 | 2 | 7.5 | 7.5 | 7.5 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 10 | 10 | 10 | 10 | 8.5 | 8.5 | 8.5 | 8.5 | 9 | 9 | 8.5 | 8.5 | 8.5 |
| II | Ojibwa | 2 | 0 | 7.5 | 7.5 | 7.5 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 10 | 10 | 10 | 10 | 8.5 | 8.5 | 8.5 | 8.5 | 9 | 9 | 8.5 | 8.5 | 8.5 |
| III | Pima | 7.5 | 7.5 | 0 | 4 | 4 | 5 | 5 | 5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 9.5 | 9.5 | 9.5 | 9.5 | 8.5 | 8.5 | 8.5 | 8.5 | 6.5 | 6.5 | 8.5 | 8.5 | 8.5 |
| IV | Mixtec | 7.5 | 7.5 | 4 | 0 | 2 | 5 | 5 | 5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 9.5 | 9.5 | 9.5 | 9.5 | 8.5 | 8.5 | 8.5 | 8.5 | 6.5 | 6.5 | 8.5 | 8.5 | 8.5 |
| V | Zapotec | 7.5 | 7.5 | 4 | 2 | 0 | 5 | 5 | 5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 9.5 | 9.5 | 9.5 | 9.5 | 8.5 | 8.5 | 8.5 | 8.5 | 6.5 | 6.5 | 8.5 | 8.5 | 8.5 |
| VI | Mixe | 4 | 4 | 5 | 5 | 5 | 0 | 3 | 3 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 7.5 | 7.5 | 7.5 | 7.5 | 8 | 7.5 | 7.5 | 7.5 | 8 | 8 | 7.5 | 7.5 | 7.5 |
| VII | Maya | 4 | 4 | 5 | 5 | 5 | 3 | 0 | 2 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 7.5 | 7.5 | 7.5 | 7.5 | 8 | 7.5 | 7.5 | 7.5 | 8 | 8 | 7.5 | 7.5 | 7.5 |
| VIII | Kaqchikel | 4 | 4 | 5 | 5 | 5 | 3 | 2 | 0 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 7.5 | 7.5 | 7.5 | 7.5 | 8 | 7.5 | 7.5 | 7.5 | 8 | 8 | 7.5 | 7.5 | 7.5 |
| IX | Cabecar | 6 | 6 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 0 | 3 | 3 | 3 | 4 | 4 | 3 | 7 | 7 | 7 | 7 | 7.5 | 6.5 | 6.5 | 6.5 | 8.5 | 8.5 | 6.5 | 6.5 | 6.5 |
| X | Guaymi | 6 | 6 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 3 | 0 | 3 | 3 | 4 | 4 | 3 | 7 | 7 | 7 | 7 | 7.5 | 6.5 | 6.5 | 6.5 | 8.5 | 8.5 | 6.5 | 6.5 | 6.5 |
| XI | Kogi | 6 | 6 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 3 | 3 | 0 | 2 | 4 | 4 | 3 | 7 | 7 | 7 | 7 | 7.5 | 6.5 | 6.5 | 6.5 | 8.5 | 8.5 | 6.5 | 6.5 | 6.5 |
| XII | Arhuaco | 6 | 6 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 3 | 3 | 2 | 0 | 4 | 4 | 3 | 7 | 7 | 7 | 7 | 7.5 | 6.5 | 6.5 | 6.5 | 8.5 | 8.5 | 6.5 | 6.5 | 6.5 |
| XIII | Waukana | 6 | 6 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 4 | 4 | 4 | 4 | 0 | 2 | 4 | 7 | 7 | 7 | 7 | 7.5 | 6.5 | 6.5 | 6.5 | 8.5 | 8.5 | 6.5 | 6.5 | 6.5 |
| XIV | Embera | 6 | 6 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 4 | 4 | 4 | 4 | 2 | 0 | 4 | 7 | 7 | 7 | 7 | 7.5 | 6.5 | 6.5 | 6.5 | 8.5 | 8.5 | 6.5 | 6.5 | 6.5 |
| XV | Zenu | 6 | 6 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 3 | 3 | 3 | 3 | 4 | 4 | 0 | 7 | 7 | 7 | 7 | 7.5 | 6.5 | 6.5 | 6.5 | 8.5 | 8.5 | 6.5 | 6.5 | 6.5 |
| XVI | Inga | 10 | 10 | 9.5 | 9.5 | 9.5 | 7.5 | 7.5 | 7.5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 2 | 3 | 3 | 7.5 | 8.5 | 8.5 | 8.5 | 9.5 | 9.5 | 8.5 | 8.5 | 8.5 |
| XVII | Quechua | 10 | 10 | 9.5 | 9.5 | 9.5 | 7.5 | 7.5 | 7.5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 0 | 3 | 3 | 7.5 | 8.5 | 8.5 | 8.5 | 9.5 | 9.5 | 8.5 | 8.5 | 8.5 |
| XVIII | Aymara | 10 | 10 | 9.5 | 9.5 | 9.5 | 7.5 | 7.5 | 7.5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 3 | 0 | 3 | 7.5 | 8.5 | 8.5 | 8.5 | 9.5 | 9.5 | 8.5 | 8.5 | 8.5 |
| XIX | Huilliche | 10 | 10 | 9.5 | 9.5 | 9.5 | 7.5 | 7.5 | 7.5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 3 | 3 | 0 | 7.5 | 8.5 | 8.5 | 8.5 | 9.5 | 9.5 | 8.5 | 8.5 | 8.5 |
| XX | Kaingang | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8 | 8 | 8 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 0 | 5.5 | 5.5 | 5.5 | 5 | 5 | 5.5 | 5.5 | 5.5 |
| XXI | Guarani | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 7.5 | 7.5 | 7.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 8.5 | 8.5 | 8.5 | 8.5 | 5.5 | 0 | 3 | 3 | 4 | 4 | 2 | 3 | 2 |
| XXII | Wayuu | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 7.5 | 7.5 | 7.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 8.5 | 8.5 | 8.5 | 8.5 | 5.5 | 3 | 0 | 2 | 4 | 4 | 3 | 3 | 3 |
| XXIII | Piapoco | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 7.5 | 7.5 | 7.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 8.5 | 8.5 | 8.5 | 8.5 | 5.5 | 3 | 2 | 0 | 4 | 4 | 3 | 3 | 3 |
| XXIV | Ticuna (Tarapaca) | 9 | 9 | 6.5 | 6.5 | 6.5 | 8 | 8 | 8 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 9.5 | 9.5 | 9.5 | 9.5 | 5 | 4 | 4 | 4 | 0 | 1 | 4 | 4 | 4 |
| XXV | Ticuna (Arara) | 9 | 9 | 6.5 | 6.5 | 6.5 | 8 | 8 | 8 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 9.5 | 9.5 | 9.5 | 9.5 | 5 | 4 | 4 | 4 | 1 | 0 | 4 | 4 | 4 |
| XXVI | Karitiana | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 7.5 | 7.5 | 7.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 8.5 | 8.5 | 8.5 | 8.5 | 5.5 | 2 | 3 | 3 | 4 | 4 | 0 | 3 | 2 |
| XXVII | Surui | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 7.5 | 7.5 | 7.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 8.5 | 8.5 | 8.5 | 8.5 | 5.5 | 3 | 3 | 3 | 4 | 4 | 3 | 0 | 3 |
| XXVIII | Ache | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 7.5 | 7.5 | 7.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 8.5 | 8.5 | 8.5 | 8.5 | 5.5 | 2 | 3 | 3 | 4 | 4 | 2 | 3 | 0 |

Each colored block represents the between-stock comparisons for a particular pair of stocks.