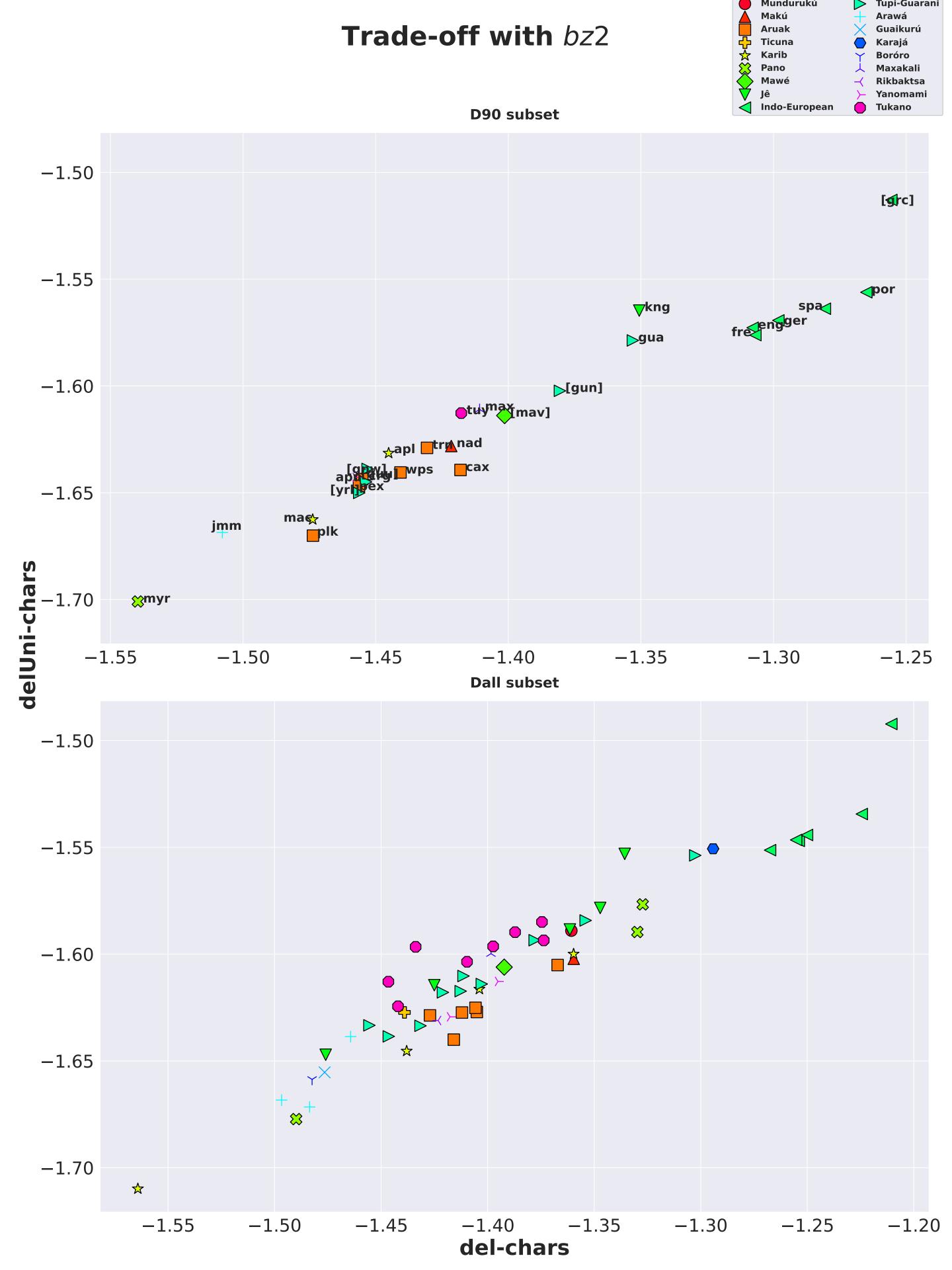
Mundurukú Tupi-Guarani Arawá Makú **Trade-off with** *bz*2 Guaikurú **Aruak** Ticuna Karajá Karib Boróro **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset **≜**nad 1.02 **∀**kng 1.00 **≻**[guu] 0.98 jmm **\ max** plk [gnw] fre**<** ☆apl **⊳**[gun] 0.96 **∷**myr **⊲**eng trn mac[☆] otuy (mav) **>**gua **⊲**por gegpa apu [yrl wps **⊲** [grc] 0.94 pex **del-words** cax -1.40-1.55-1.50-1.45-1.35-1.30-1.25**Dall subset** 1.02 $\stackrel{\bigstar}{}$ \bigvee 1.00 \bigvee $\overline{\mathbf{A}}$ 0.98 Y 0.96 +8 ☆ 🔲 0.94 \approx ☆ X ₿ 0.92 -1.55-1.50-1.20-1.45-1.35-1.30-1.25-1.40del-chars

Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *bz*2 Guaikurú **Aruak Ticuna** Karajá Boróro Karib **Pano** Maxakali Mawé Rikbaktsa Yanomami Jê Indo-European Tukano **D90** subset **≜**nad 1.14 1.12 **⊢**[guu] jmm √kng **↓**max 1.10 mak **⊳**[gun] 1.08 cro [gnw] plk 1.06 fre eng (mav] **⇔**myr [y🔀 **Etrn o**tuy **⊲**por 1.04 ger apex 1.02 delUni-words [grc] cax -1.70-1.60-1.65-1.50-1.45-1.40-1.55-1.35**Dall subset** 1.14 1.12 1.10 $\stackrel{\bigstar}{}$ ☆ + c 1.08 Y 1.06 **☆** \approx 1.04 ••• ☆ 1.02 \bigcirc 1.00 -1.5-1.6-1.7-1.4-1.3delUni-chars

Mundurukú Tupi-Guarani Arawá Makú **Trade-off with** *bz*2 Guaikurú **Aruak Ticuna** Karajá Boróro Karib Pano Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 0.9100 nad [grc] por gua trn fre 0.9075 eng ger apu[guu] jmm 0.9050 **V**kng wps pex [gun] [yrl] spa tuy [mav] max cax plk 0.9025 $\stackrel{\bigstar}{\Rightarrow}$ **⇔** myr mac [gnw] 0.9000 **del-Verses** 0.8975 -1.55-1.50-1.45-1.40-1.35-1.30-1.25**Dall subset** 0.9100 \Rightarrow 0.9075 + \bigvee 0.9050 0.9025 \approx \times $\stackrel{\bigstar}{\Rightarrow}$ { \approx 0.9000 $\stackrel{\bigstar}{}$ **□** ☆ \approx 0.8975 -1.55-1.50-1.45-1.35-1.25-1.20-1.40-1.30del-chars

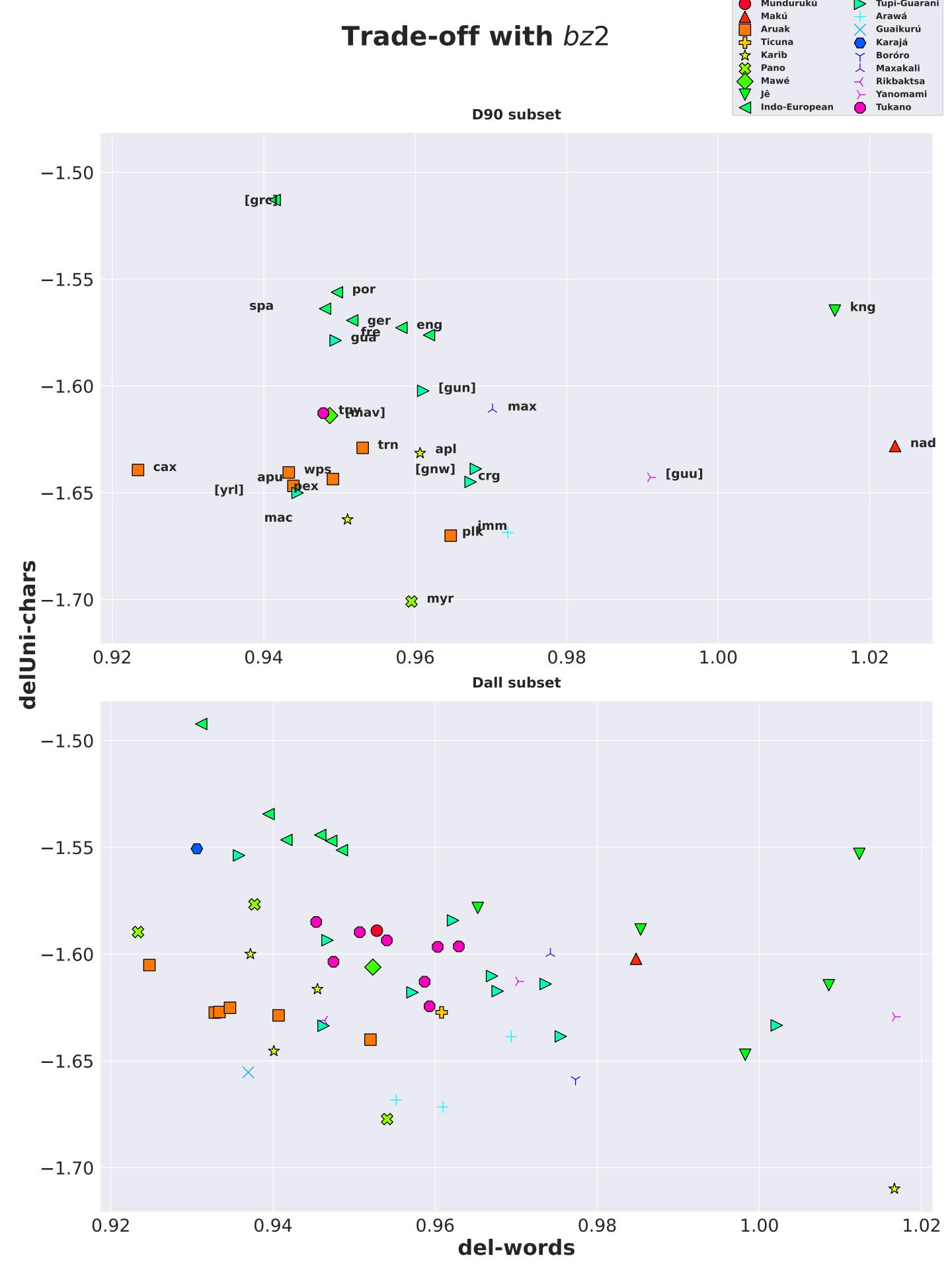
Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *bz*2 Guaikurú **Aruak Ticuna** Karajá Boróro Karib **Pano** Maxakali Mawé Rikbaktsa Yanomami Jê Indo-European Tukano **D90** subset nad 1.14 1.12 jmm **▽** kng **⊥** max 1.10 $\stackrel{\bigstar}{\Rightarrow}$ mac > [gun] 1.08 [gnw] crg plk 1.06 **♦** [mfar@] [yrl] spa 1.04 ger apu pex 1.02 delUni-words [grc] 1.00 cax 0.92 0.94 0.96 0.98 1.00 1.02 **Dall subset** 1.14 1.12 1.10 ☆ ☆ X 1.08 Y 1.06 1.04 \approx 1.02 1.00 0.96 0.98 1.00 0.92 0.94 1.02 del-words



Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *bz*2 Guaikurú **Aruak Ticuna** Karajá Boróro Karib **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset <u></u> Anad 1.14 1.12 **⊢**[guu] jmm √kng 人max 1.10 ma& **⊳**[gun] 1.08 [ghw] plk 1.06 freeng (mav] [yrl]> tuy **>**gua **⊲**por spa 1.04 ger apupex 1.02 delUni-words [grc] 1.00 cax -1.50-1.45-1.35-1.30-1.55-1.40-1.25**Dall subset** 1.14 ∇ 1.12 1.10 $\stackrel{\bigstar}{}$ \bigvee ☆ 1.08 Y 1.06 1.04 ☆ 1.02 1.00 \triangleleft -1.55-1.50-1.35-1.25-1.20-1.45-1.40-1.30del-chars

Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *bz*2 Guaikurú **Aruak** Karajá **Ticuna** Karib Boróro **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset ▲nad 1.6 √kng 1.5 >[guu] **⊳**[gun] 1.4 jmm maç **__max** [gawb plk **⇔**myr trn 1.3 fre₄ **⊘**[mav] **S**gua ☆apl eng tuy wps spa [yrl] 1.2 **⊲**ger por ap**up**ex shuf-word [grc] cax -1.30-1.55-1.50-1.45-1.40-1.35-1.25**Dall subset** 1.6 \bigvee 1.5 1.4 ☆ 1.3 1.2 × $\stackrel{\bigstar}{\Rightarrow}$ 1.1 -1.50-1.45-1.40-1.30-1.55-1.35-1.25-1.20del-chars

Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *bz*2 Guaikurú **Aruak Ticuna** Karajá Boróro Karib **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 1.25 cax 1.20 [grc] 1.15 1.10 trn otuy apw apw wps **S**gua 1.05 [yrli] macpolk [glowing apl **⊲**ger^{spa}✓ **⊲**por freeng **⊘**[mav] **⊳**[gun] 1.00 **⇔**myr j<u>m</u>m **cep-words ∀**kng **人max** >[guu] ▲nad -1.55-1.50-1.40-1.35-1.30-1.45-1.25**Dall subset** 1.25 1.20 \times 1.15 $\stackrel{\bigstar}{\bowtie}$ 1.10 **\$** 1.05 1.00 ☆ 0.95 0.90 -1.55-1.50-1.45-1.40-1.30-1.25-1.20-1.35del-chars



Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *bz*2 Guaikurú **Aruak** Karajá **Ticuna** Boróro Karib Maxakali **Pano** Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset nad 1.6 **▽** kng 1.5 > [guu] [gun] 1.4 jmm $\stackrel{\bigstar}{}$ mac ⊥ max [gnw] crg ☐ trn 🌣 myr plk 1.3 fre [##] engpl [yrl] spa we tuy 1.2 shuf-word [gro cax 0.92 0.94 0.96 0.98 1.00 1.02 **Dall subset** 1.6 1.5 1.4 \Rightarrow 1.3 \approx 1.2 1.1 0.94 0.96 0.98 0.92 1.00 1.02 del-words

Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *bz*2 Guaikurú **Aruak Ticuna** Karajá Boróro Karib **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 1.25 cax 1.20 [grc¶ 1.15 pex tuy trn 1.10 apu gua 1.05 [yrl] spa por ger ☆ fre [mav] mac gun] 1.00 💢 myr jmm **cep-words** kng ↓ max > [guu] nad 0.92 0.94 0.96 0.98 1.00 1.02 **Dall subset** 1.25 1.20 X 1.15 1.10 \approx 1.05 1.00 ☆ 0.95 0.90 0.96 0.98 1.00 0.94 1.02 del-words

Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *bz*2 Guaikurú **Aruak Ticuna** Karajá Karib Boróro **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset -0.96-0.98[yrl] spandwww.ger [gnw] -1.00**→** [guu] **∀** kng ▲ nad cax [gnw] -1.02**do-nothing** 0.92 0.94 0.96 0.98 1.00 1.02 **Dall subset** -0.96-0.98-1.00 \approx -1.02-1.040.96 0.98 0.92 0.94 1.00 1.02 del-words

Mundurukú Tupi-Guarani Arawá Makú **Trade-off with** *bz*2 Guaikurú **Aruak** Karajá **Ticuna** Karib Boróro **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 0.9100 nad guatrn por fre [grc] 0.9075 eng ger ☆ apl jmm [guu] 0.9050 apu **∇** kng p@Mps [gun] crg [yrl] spa t[mav] 0.9025 max cax $\overset{\wedge}{\Rightarrow}$ mac **ඎ**[gnw] myr 0.9000 **del-verses** 0.8975 0.92 0.94 0.96 0.98 1.00 1.02 **Dall subset** 0.9100 $\stackrel{\bigstar}{\Rightarrow}$ 0.9075 人 \bigvee 0.9050 ∇ 0.9025 \aleph 0.9000 ☆ 0.8975 0.92 0.96 0.98 0.94 1.00 1.02 del-words

Mundurukú Tupi-Guarani Arawá Makú Guaikurú **Trade-off with** *bz*2 **Aruak** Karajá **Ticuna** Karib Boróro **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset Anad 1.6 √kng 1.5 **⊢**[guu] **∑**[gun] 1.4 jmm mag **__max** c[gnw] plk **⇔**myr trn 1.3 fre gua eng **⊘**[mav] ∆apl **o**tuy wps [y**r**] spa 1.2 **⊲**ger por **apu**x shuf-word [grc] cax -1.70-1.65-1.60-1.55-1.50-1.45-1.40-1.35**Dall subset** 1.6 1.5 1.4 ☆ + Y **☆** + 1.3 \approx \approx 1.2 X $\stackrel{\bigstar}{\Rightarrow}$ \triangleleft 1.1 -1.5-1.7-1.6-1.4-1.3delUni-chars

Tupi-Guarani Makú Arawá **Trade-off with** *bz*2 Guaikurú **Aruak Ticuna** Karajá Boróro Karib **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 1.25 cax 1.20 [grc] 1.15 1.10 trn **o**tuy pex apu wps gua 1.05 [y por **Spar** C[¶nw]_☆apl freeeng **⊘**[mav] [gun] 1.00 ₩myr jmm **cep-words** 0.90 √kng **__max ⊢**[guu] **∆**nad -1.70-1.65-1.60-1.50-1.45-1.40-1.55-1.35**Dall subset** 1.25 1.20 X 1.15 $\stackrel{\bigstar}{\mathbf{x}}$ 1.10 ☆ \approx 1.05 1.00 ☆ \bigvee 0.95 \succ 0.90 -1.5-1.7-1.6-1.4-1.3delUni-chars

Mundurukú

Mundurukú Tupi-Guarani Arawá Makú **Trade-off with** *bz*2 Guaikurú **Aruak** Karajá **Ticuna** Karib Boróro **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 0.9100 nad gua [grc] trn **⊲** por 0.9075 eng ger apu [guu] Aapl jmm 0.9050 **∇**kng pex wps + [gun] [yrl] **⋖** spa crg plk 0.9025 cax $\stackrel{\bigstar}{}$ **⇔** myr mac [gnw] 0.9000 **del-verses** 0.8975 -1.50-1.70-1.65-1.60-1.40-1.55-1.45-1.35**Dall subset** 0.9100 \Rightarrow 0.9075 + \bigvee 0.9050 0.9025 \times ₿ { 0.9000 $\stackrel{\bigstar}{\Rightarrow}$ $\stackrel{\star}{\Rightarrow}$ 0.8975 -1.5-1.7-1.6-1.4-1.3delUni-chars

Mundurukú Tupi-Guarani Arawá Makú **Trade-off with** *bz*2 Guaikurú **Aruak** Karajá **Ticuna** Boróro Karib **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset nad 1.6 **▽** kng 1.5 ∠ [guu] > [gun] 1.4 jmm **☆** ⊥ max mac [gnwdrg plk **myr** 1.3 fre qua properties [may] spa 1.2 gerpor apu shuf-word [g**r**] cax 1.00 1.02 1.04 1.06 1.08 1.10 1.12 1.14 **Dall subset** 1.6 1.5 1.4 1.3 1.2 1.1 1.00 1.02 1.04 1.06 1.08 1.10 1.12 1.14 delUni-words

Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *bz*2 Guaikurú **Aruak Ticuna** Karajá Boróro Karib **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 1.25 cax 1.20 [g**r**] 1.15 1.10 **Litrn** pex apu wps gua 1.05 spa de for - BIK AKA mac ☆ afrle > [gun] 1.00 **⇔** myr jmm **cep-words** 0.95 ⊥ mæxkng > [guu] nad 1.00 1.02 1.04 1.06 1.08 1.10 1.14 1.12 **Dall subset** 1.25 1.20 X 1.15 1.10 1.05 1.00 $\bigvee_{}$ 0.95 0.90 1.02 1.04 1.10 1.12 1.14 1.00 1.06 1.08 delUni-words

Mundurukú Tupi-Guarani Arawá Makú **Trade-off with** *bz*2 Guaikurú **Aruak Ticuna** Karajá Boróro Karib **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 0.9100 nad [grc] 0.9075 eng ger ☆ apl jmm ≻ [guu] 0.9050 apu **∇** kng wps pex |> [gun] (yrl] spa [mav] plk tuy 0.9025 max cax \Rightarrow mac [gnw] myr 0.9000 **del-Verses** 0.8975 1.00 1.02 1.04 1.06 1.08 1.10 1.12 1.14 **Dall subset** 0.9100 $\stackrel{\bigstar}{}$ 0.9075 \downarrow 0.9050 0.9025 ☆ ₩ 0.9000 \Rightarrow \Rightarrow \approx 0.8975 1.02 1.06 1.00 1.04 1.08 1.10 1.14 1.12 delUni-words

