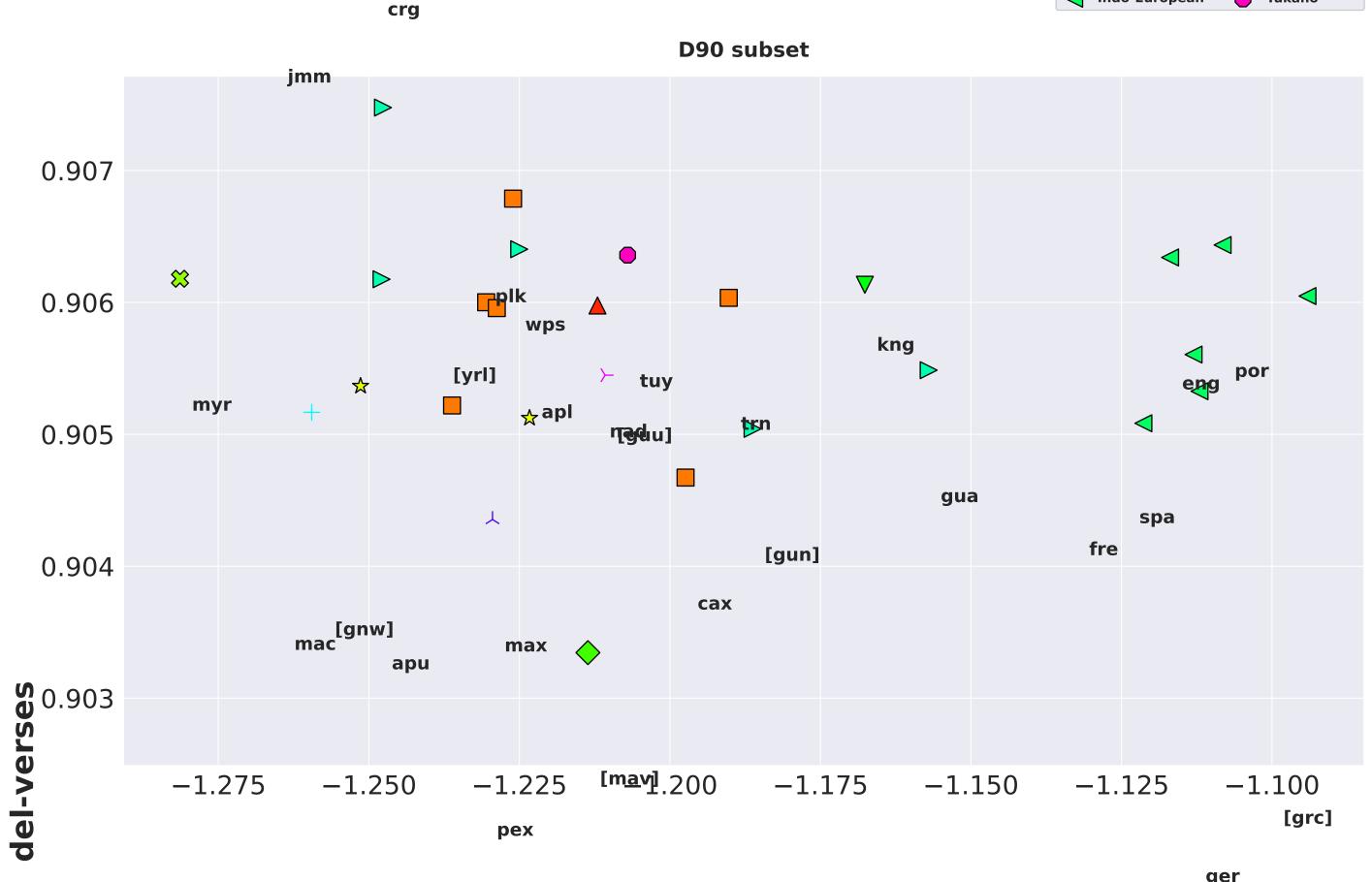
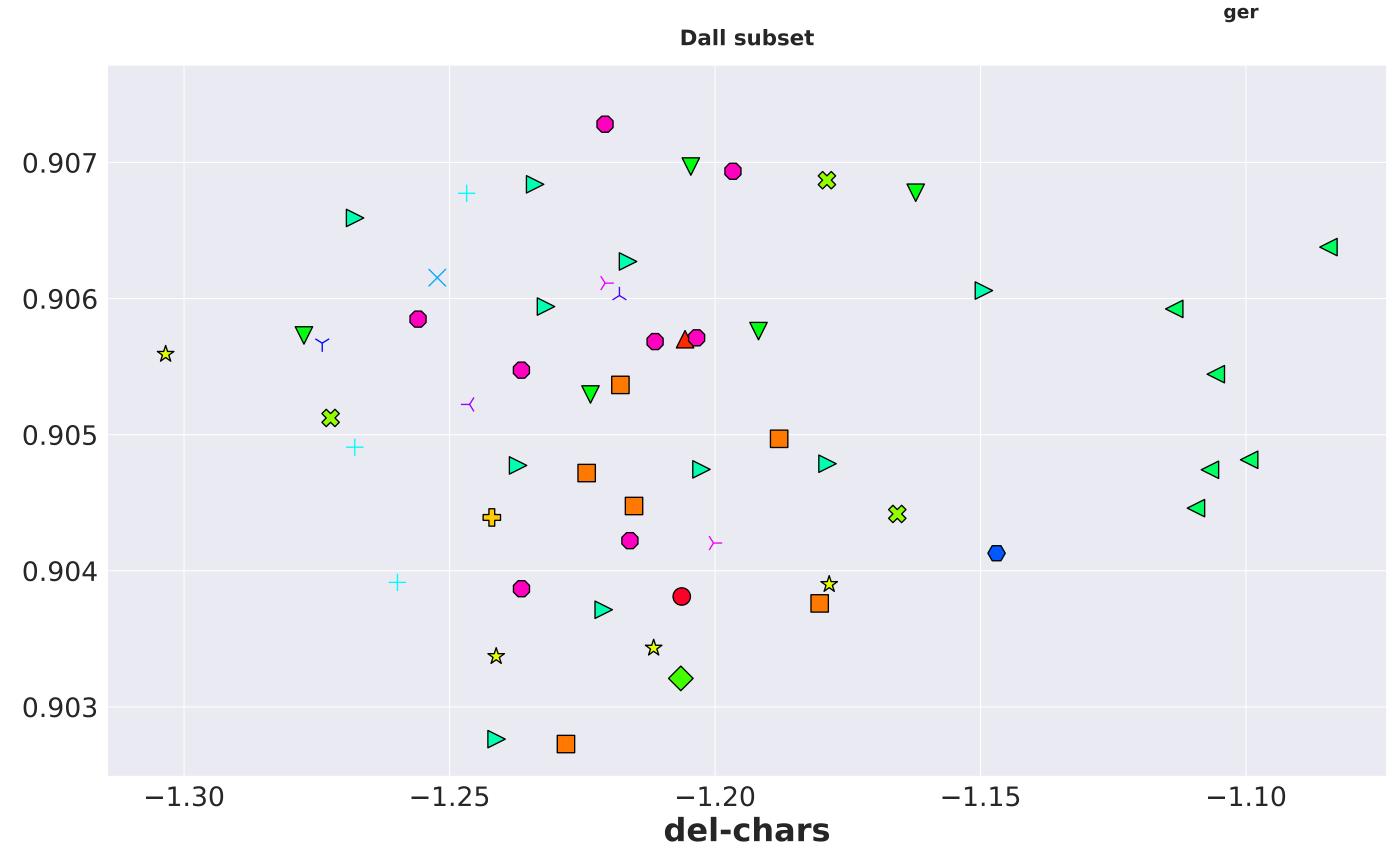
Mundurukú Tupi-Guarani Arawá Makú Guaikurú **Trade-off with** *gzip* **Aruak** Ticuna Karajá Karib Boróro **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 0.97 **△** nad **∀**kng 0.96 0.95 [⊥] max jmm crg ≻[guu] +[gnw] plk 0.94 **≈**myr **▶**[gun] $\stackrel{\bigstar}{\Rightarrow}$ ☆ apl **(**[mav] mac 0.93 [yrl] tuy ■trn spa **I**or apu **>**gua pex **del-words** ger cax [grc] -1.100-1.250-1.225-1.150-1.125-1.275-1.200-1.175**Dall subset** 0.97 \bigvee \bigvee 0.96 $\stackrel{\bigstar}{}$ \bigvee \uparrow \bigvee 0.95 0.94 \approx \approx 0.93 ☆ \approx 0.92 -1.20-1.30-1.25-1.15-1.10del-chars

Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *gzip* Guaikurú **Aruak Ticuna** Karajá Boróro Karib Maxakali **Pano** Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset <u></u>Anad 1.10 √kng jmm **\ \ max** ≻[guu] 1.08 mac☆ **⊳**[gun] [gnw] 1.06 plk fre◀ **∷**myr ☆apl 1.04 trn <e ng **>**gua spa< apu pex ger **delUni-words** 1.00 <mark>∢</mark> [grc] cax -1.30-1.45-1.40-1.35-1.25**Dall subset** 1.10 1.08 $\stackrel{\bigstar}{}$ X 1.06 1.04 1.02 1.00 -1.50-1.45-1.35-1.30-1.25-1.40-1.20delUni-chars







Mundurukú Tupi-Guarani Makú Arawá Guaikurú **Trade-off with** *gzip* **Aruak Ticuna** Karajá Boróro Karib **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset nad 1.10 kng jmm max ≻ [guu] 1.08 $\stackrel{\bigstar}{\Rightarrow}$ mac [gun] crg [gnw] 1.06 plk fre 1.04 [yrl] spa o poer apu **delUni-words**1.00 [grc] cax 0.97 0.92 0.93 0.94 0.95 0.96 **Dall subset** \bigvee 1.10 \triangle 1.08 ☆ ☆ X Υ 1.06 \approx 1.04 1.02 1.00 0.92 0.93 0.95 0.96 0.97 0.94 del-words

Mundurukú Tupi-Guarani Makú Arawá Guaikurú **Trade-off with** *gzip* **Aruak Ticuna** Karajá Karib **Boróro Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset [grc] -1.20**∀**kng **>**gua -1.25>[gun] -1.30trn tuy cax [yrlipex -1.35[gn crg jmm ☆ -1.40delUni-chars **⇔**myr -1.275-1.250-1.225-1.200-1.175-1.150-1.125-1.100**Dall subset** -1.20 \bigvee -1.25-1.30-1.35-1.40-1.45 \Rightarrow -1.30-1.25-1.20-1.15-1.10del-chars

Mundurukú Tupi-Guarani Makú Arawá Guaikurú **Trade-off with** *gzip* **Aruak Ticuna** Karajá Boróro Karib **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset \triangle nad 1.10 **∀**kng jmm **从 max** ≻[guu] 1.08 mac ☆ **⊳**[gun] [gnw] 1.06 plk **Ò[nᢒŧ**¶y fre < **⇔**myr ☆apl 1.04 trn eng **y**gua [yrl] wps apu 🔲 pex ger **delUni-words** 1.00 [grc] cax -1.250-1.225-1.275-1.200-1.175-1.150-1.125-1.100**Dall subset** \bigvee 1.10 1.08 $\stackrel{\bigstar}{\Rightarrow}$ egthankowskip1.06 **\$**+ 1.04 \approx ☆ 1.02 1.00 -1.30-1.20-1.25-1.15-1.10del-chars

Mundurukú Tupi-Guarani Arawá Makú Guaikurú **Trade-off with** *gzip* **Aruak** Karajá **Ticuna** Karib Boróro **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 1.45 **A** nad 1.40 **▽** kng 1.35 1.30 **人 max** jmm ≻[guu] **⊳**[gun] mac ☆ 1.25 [gnwtrg **⇔**myr plk **♦**[mav] 1.20 trn **☆** apl fre < [yrl] wps **y**gua eng 1.15 tuy apu 🔲 pex 1.10 [grc] shuf-word cax 1.05 -1.275-1.250-1.225-1.150-1.125-1.200-1.175-1.100**Dall subset** 1.45 1.40 1.35 1.30 Y $\stackrel{\bigstar}{}$ 1.25 ₩ 1.20 $\stackrel{\bigstar}{}$ 1.15 \approx X ☆ 1.10 1.05 -1.20-1.30-1.25-1.15-1.10del-chars

Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *gzip* Guaikurú **Aruak Ticuna** Karajá Boróro Karib **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 1.3 cax 1.2 [g**(**c)] trn 1.1 tuy pex wps apu [gua plk 1.0 **⇔**myr [yrl] 🙀 apl mac ☆ jmm [gnvcrg **⊳**[gun] **♦**[mav] 0.9 <mark>≻</mark>[guu] **__** max rep-words **A** nad **∀** kng -1.250-1.225-1.200-1.150-1.125-1.100-1.275-1.175**Dall subset** 1.3 \triangleleft 1.2 × 1.1 $\stackrel{\bigstar}{}$ \aleph 1.0 \approx $\stackrel{\bigstar}{\Rightarrow}$ Y 0.9 \bigvee \bigvee ${\color{red} \bigtriangledown }{} \succ$ 8.0 \bigvee -1.30-1.25-1.20-1.15-1.10del-chars

Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *gzip* Guaikurú **Aruak Ticuna** Karajá Boróro Karib Maxakali **Pano** Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset [grc] -1.20**⊲ ⊲** ger por spa eng fre -1.25gua kng [gun] -1.30trn tuy cax [mav] [guu] apl nad max [yrl] pex wps -1.35apu plk crg [gnw] jmm $\stackrel{\bigstar}{}$ mac -1.40delUni-chars \approx myr -1.450.92 0.93 0.96 0.97 0.94 0.95 **Dall subset** -1.20-1.25■ \approx ☆ \bigvee -1.30-1.35X ** -1.40egthankowskip \bigvee -1.45☆ 0.92 0.93 0.95 0.96 0.97 0.94 del-words

Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *gzip* Guaikurú **Aruak** Karajá **Ticuna** Karib Boróro **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 1.45 nad 1.40 1.35 kng 1.30 max [guu] jmm [gun] \Rightarrow mac 1.25 [gnw] crg × myr plk [mav] 1.20 trn apl fre > eng [yrl] 1.15 spaapu gerpor **2 1.10** 1.05 1.10 [grc] cax 0.92 0.93 0.94 0.96 0.97 0.95 **Dall subset** 1.45 1.40 \bigvee 1.35 1.30 V ☆ 1.25 1.20 1.15 1.10 1.05 0.92 0.93 0.95 0.96 0.97 0.94 del-words

Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *gzip* Guaikurú **Aruak** Karajá **Ticuna** Karib Boróro **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 1.3 cax 1.2 [grc] 1.1 tuy apu wps gua 1.0 mat ⊲ ger [yrl] spa por fre jmm 📐 crg 0.9 [guu] max rep-words nad kng \bigvee 0.92 0.93 0.94 0.96 0.95 0.97 **Dall subset** 1.3 1.2 1.1 1.0 0.9 \bigvee 8.0 0.92 0.95 0.97 0.93 0.94 0.96 del-words

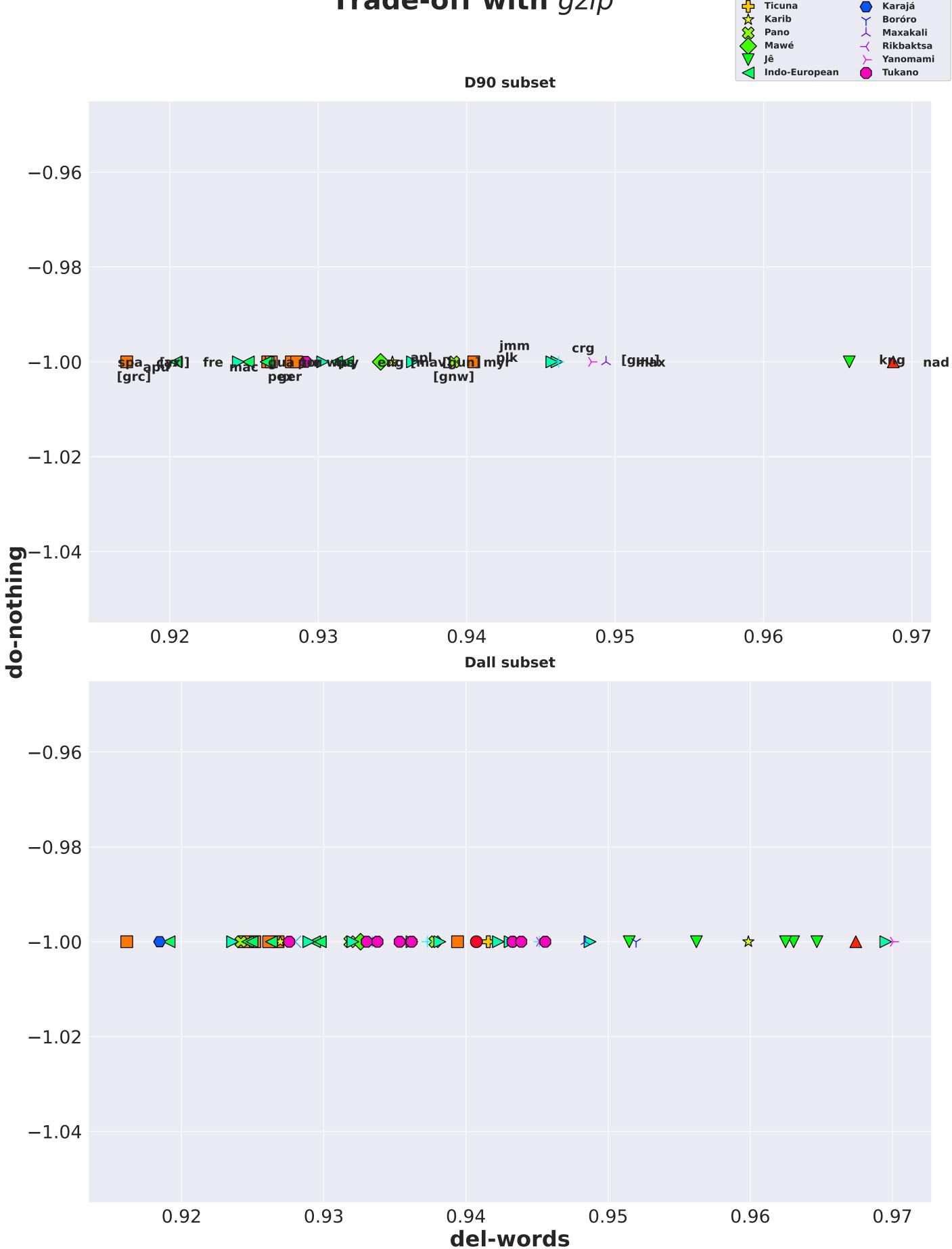
Mundurukú

Makú

Aruak

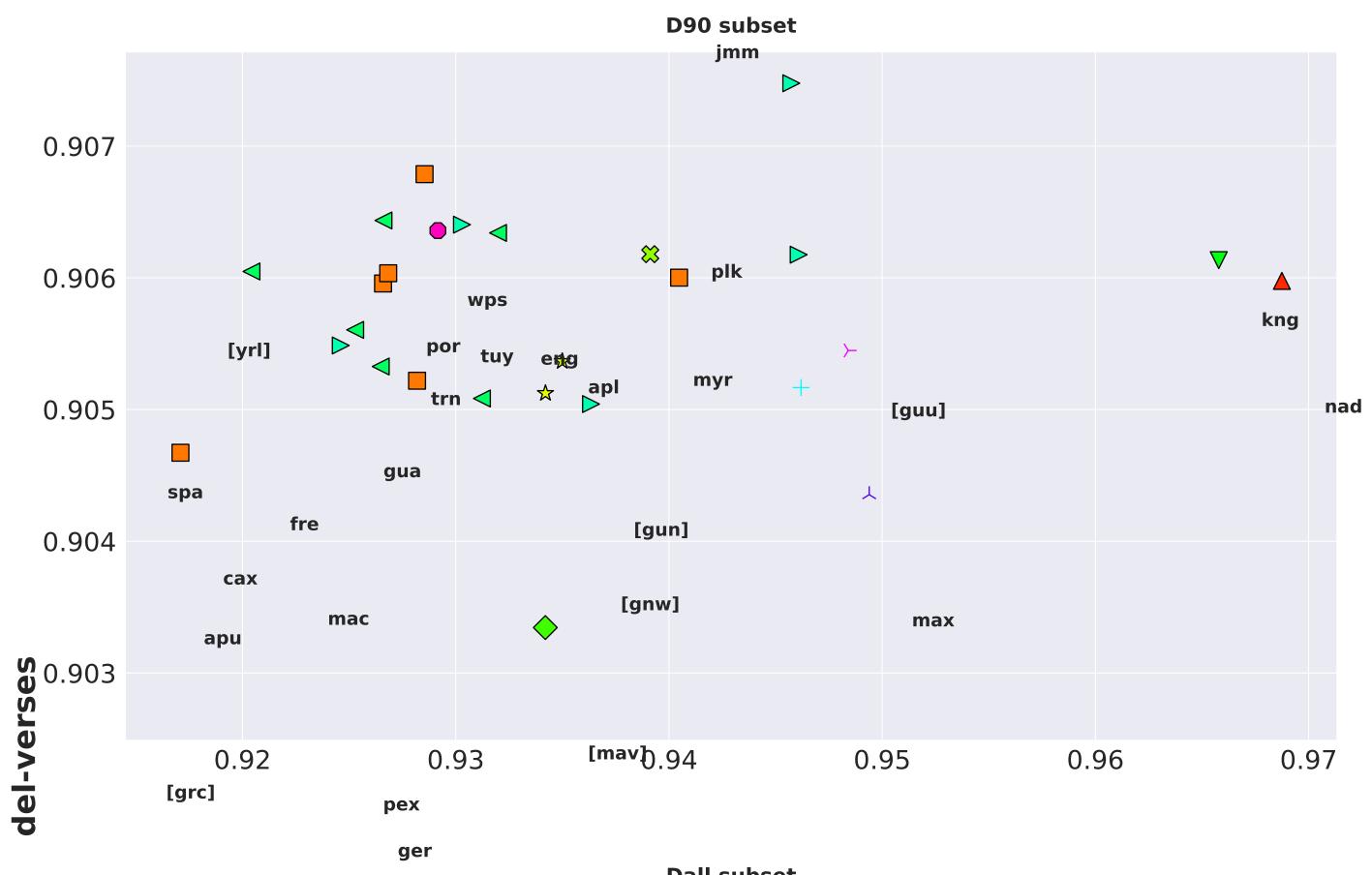
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Arawá Guaikurú

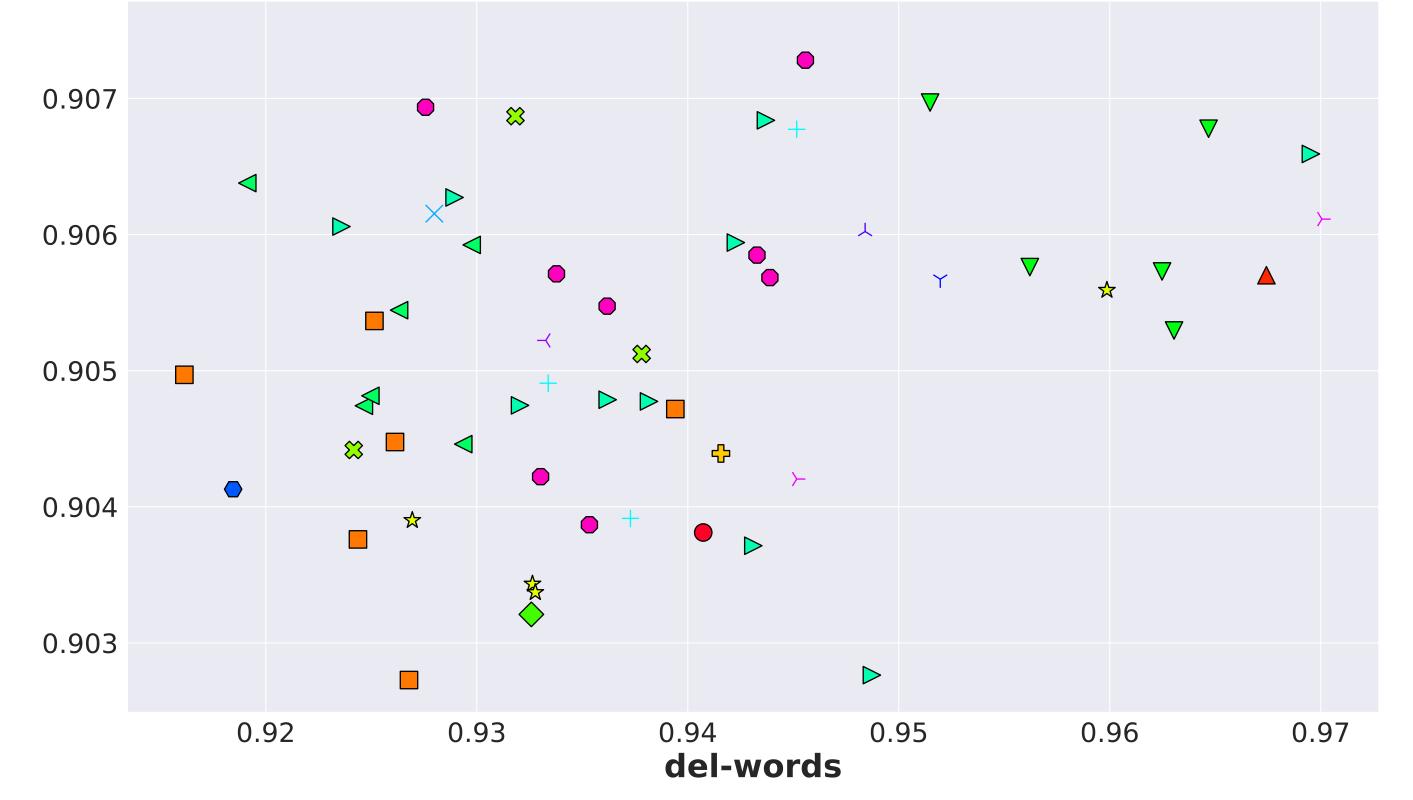








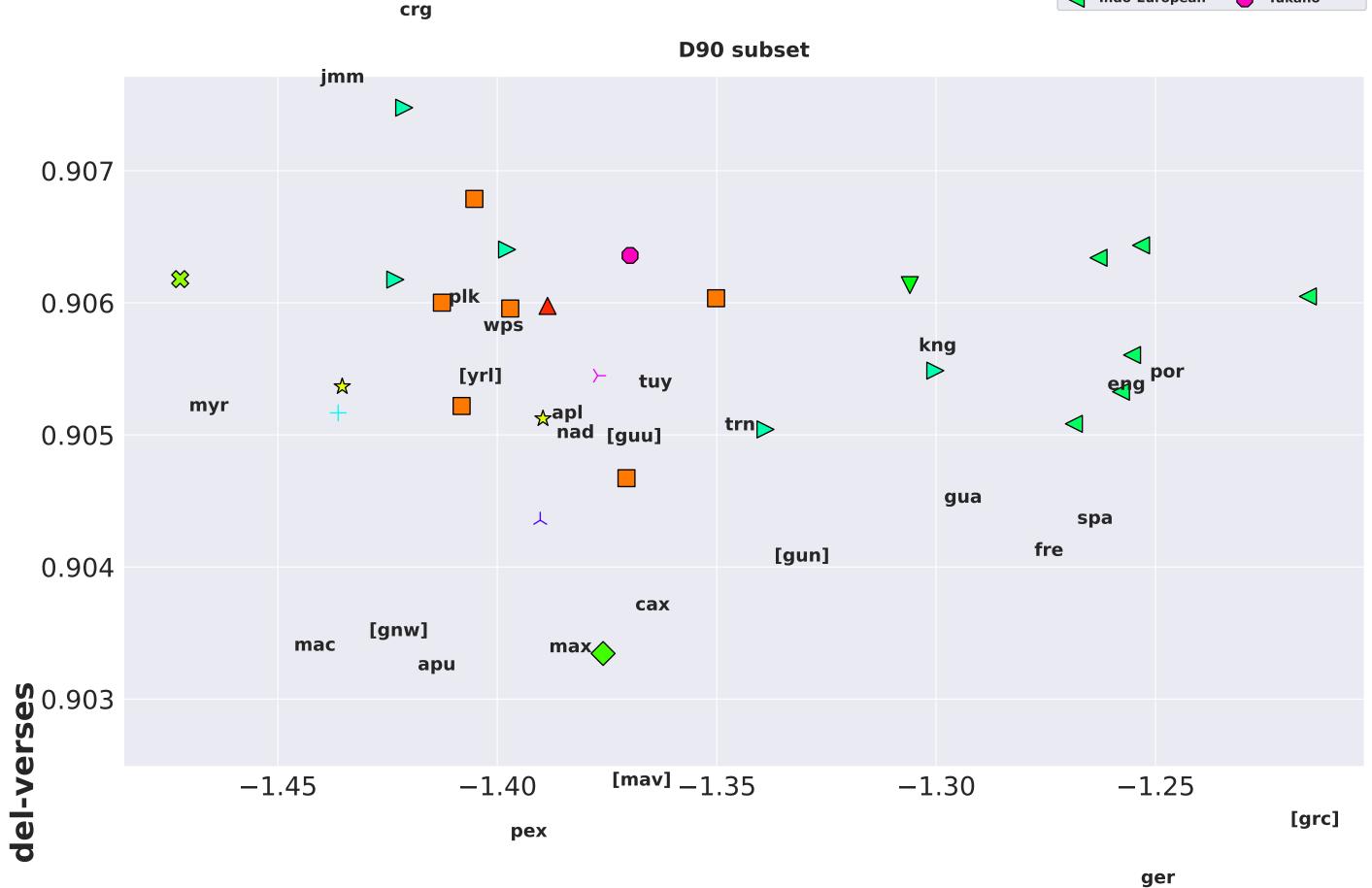


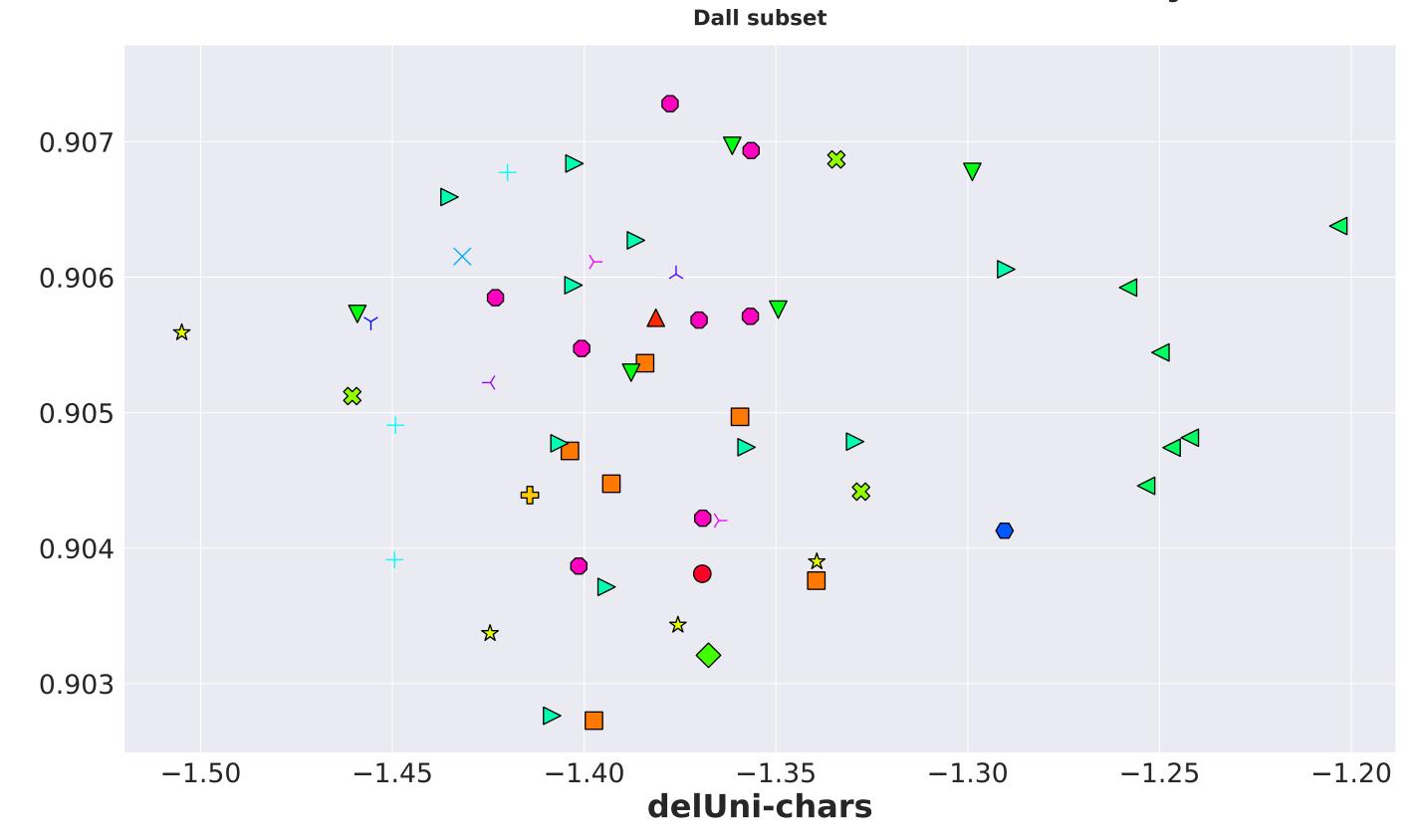


Mundurukú Tupi-Guarani Arawá Makú **Trade-off with** *gzip* Guaikurú **Aruak** Ticuna Karajá Karib Boróro **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset ▲nad 1.45 1.40 **∀**kng 1.35 1.30 jmm **__max ≻[guu] ⊳**[gun] mac☆ 1.25 [guavig **⇔**myr plk **⊘**[mav] 1.20 trn ☆apl fre⊲ **S**gua wps [yrl] eng 1.15 tuy apu pex **2.10 2.10 2.10** 1.10 [**gr**c] cax -1.30-1.45-1.40-1.35-1.25**Dall subset** 1.45 1.40 1.35 1.30 Y $\stackrel{\wedge}{\bowtie}$ 1.25 \approx 1.20 ☆ 1.15 X 1.10 1.05 -1.30-1.50-1.45-1.40-1.35-1.25-1.20delUni-chars

Mundurukú Tupi-Guarani Arawá Makú Guaikurú **Trade-off with** *gzip* **Aruak** Karajá **Ticuna** Karib Boróro **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 1.3 cax 1.2 [**g**tc] trn 1.1 tuy **S**gua 1.0 **⇔**myr [yrl] → ☆apl mac☆ jmm [guerb **⊳**[gun] **⊘**[mav] 0.9)<mark>-[guu]</mark> 人max^{*} rep-words ▲nad √kng -1.45-1.40-1.35-1.30-1.25**Dall subset** 1.3 1.2 × 1.1 \bigstar ***** + 1.0 \approx $\stackrel{\bigstar}{\Rightarrow}$ 0.9 \bigvee 8.0 -1.30-1.50-1.45-1.40-1.35-1.25-1.20delUni-chars





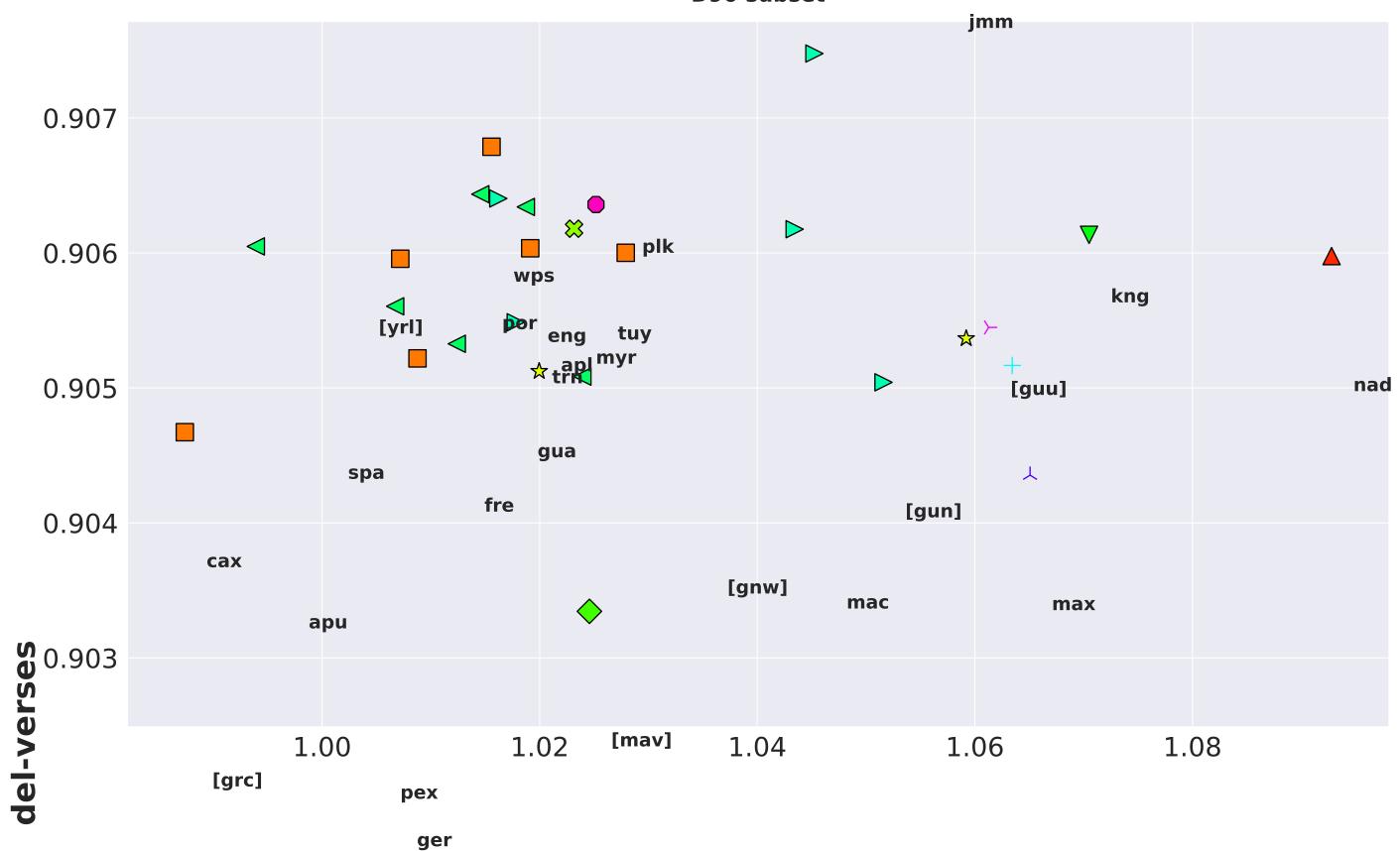


Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *gzip* Guaikurú **Aruak** Karajá **Ticuna** Karib Boróro **Pano** Maxakali Mawé Rikbaktsa Yanomami Jê Indo-European Tukano **D90** subset nad 1.45 1.40 **▽** kng 1.35 1.30 jmm ↓ max ma [gun] ├ [guu] 1.25 [gnw] erg 💢 myr o [mav] 1.20 [yrl] 1.15 tuy apu^{spa} por **2.10 2.10 2.10** 1.10 [gre¶ cax 1.00 1.02 1.04 1.06 1.08 **Dall subset** 1.45 1.40 1.35 1.30 1.25 1.20 1.15 1.10 1.05 0.98 1.00 1.02 1.04 1.06 1.08 1.10 delUni-words

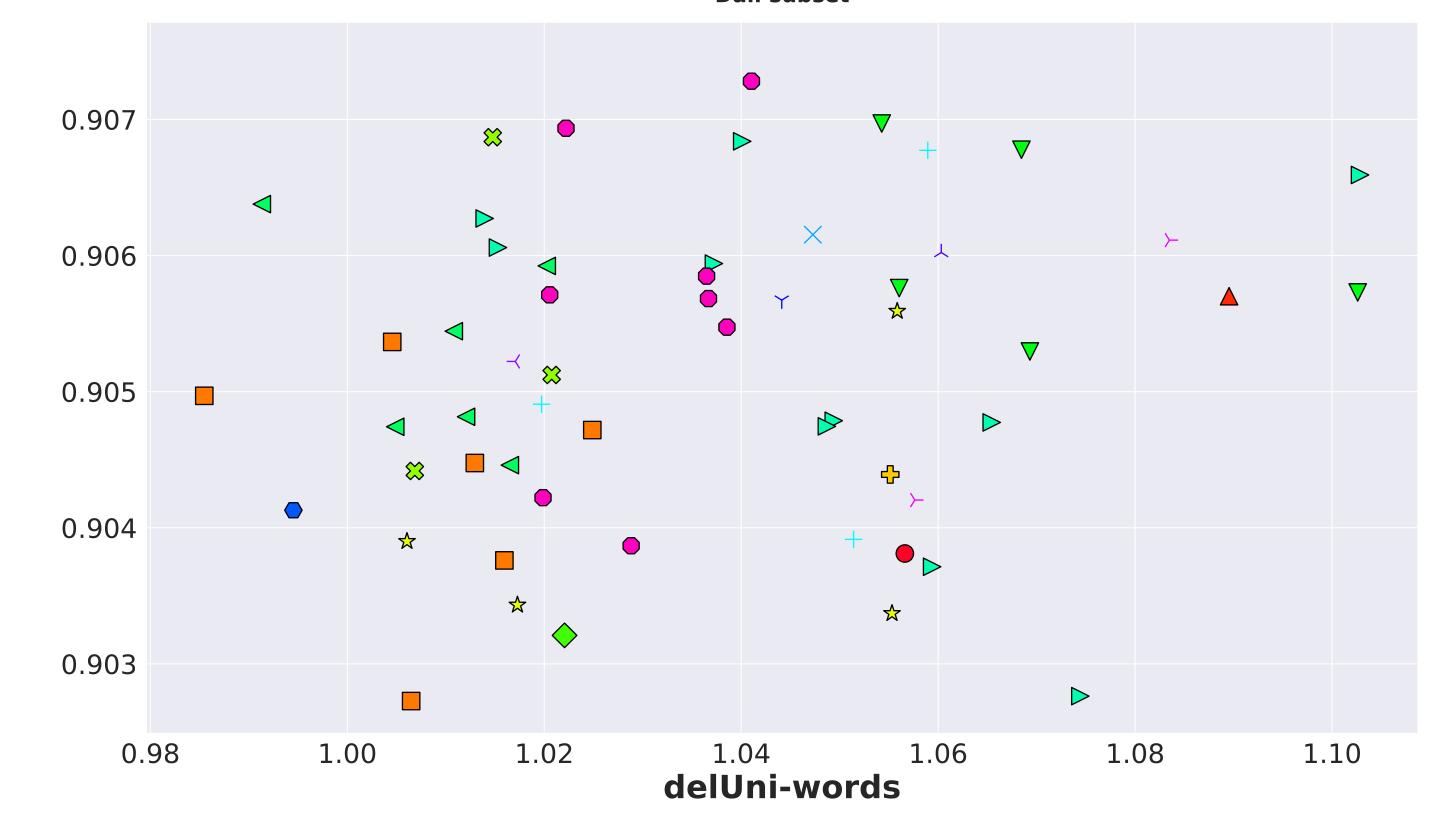
Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *gzip* Guaikurú **Aruak** Karajá **Ticuna** Karib Boróro **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 1.3 cax 1.2 [gre trn 1.1 tuy apu wps gua spaly-liger myr plk freor eng 1.0 $\stackrel{\bigstar}{}$ mac [gnw] [gun] jmm [mav] 0.9 rep-words **A** nad **▼** kng 1.00 1.02 1.04 1.06 1.08 **Dall subset** 1.3 1.2 × 1.1 1.0 0.9 \bigvee 8.0 \bigvee 1.00 1.02 1.04 1.06 1.10 0.98 1.08 delUni-words







Dall subset



Mundurukú Tupi-Guarani Makú Arawá **Trade-off with** *gzip* Guaikurú **Aruak** Karajá **Ticuna** Karib Boróro **Pano** Maxakali Mawé Rikbaktsa Jê Yanomami Indo-European Tukano **D90** subset 1.3 cax 1.2 [grc] trn 1.1 **o**tuy a pax wps gua 1.0 **≅**myr oper por [y<mark>||</mark>] maç <mark>☆</mark>apl fre [mav] 0.9 **⊱[guu]** ↓max **rep-words** <u></u>nad **∀**kng 1.05 1.10 1.15 1.20 1.25 1.45 1.30 1.35 1.40 **Dall subset** 1.3 1.2 1.1 1.0 0.9 \bigvee \bigvee 8.0 \bigvee 1.30 1.05 1.10 1.15 1.20 1.25 1.35 1.40 1.45 shuf-word