Cognates vs. linked model (binary biphone data removed) ·Wangkatja------Wangkatja······ -Ngarluma------Ngarluma-----Martuthunira------Martuthunira------·Yindjibarndi-----Yindjibarndi-0.99..... -Kurrama-----Kurramainhawangka------Yinhawangka····· Panyjima-----Panyjima-··Ngarla-----Ngarla····· -Nyamal-----Nyamal--0.8 -----Kariyarra Karivarra-Kartujarra Purduna… Warnman Payungu-0.27 Thalanyji..... Yulparija Kukatja Tharrgari..... .Warriyangga ... -PintupiLuritja 1 - Ngaanyatjarra Jiwarli..... Purduna/ ∠Badimaya... Payungu/ .Wajarri.... Thalanyji[,] √Malgana······ ·Tharrgari/ Nhanta.... ----Warriyangga∕ Wirangu..... ..Jiwarli∕ Nukunu..... 0.96 ·····Badimaya .Adnyamathanha..Wajarri∕ Ngadjumaya -0.78 0.99 Mirniny..... --Malgana∕ 0.99 ...Nhanta∕ Kartujarra--Wirangu Warnman.... ·Nukunu Yulparija.....• 1 0.45 <u>^{0.52}</u> ⊶Adnyamathanha∕ PintupiLuritja... Ngaanyatjarra-----Ngadjumaya∕ Kukatja..... Mirniny₂ ■ WesternArrarnta. -Nyangumarta... --MangalaMcK--MangalaMcK---Nyangumarta-- Karajarri... Karajarri--Bilinarra --Bilinarra-- Mudburra-0.75 0.92 Mudburra--Gurindji..... -Gurindji-- Ngarinyman-0.42 Ngarinyman ..Jaru-.WalmajarriHR...... <mark>▶ 0.36</mark> Ngardily-Warlmanpa---Warlmanpa----Warlpiri -Warlpiri-----•······WalmajarriHR₂ `WesternArrarnta.•