Cognates vs. linked model (binary biphone data removed) \_Kariyarra..... .... Martuthunira \ ······Yindjibarndi、 . - Ngarluma······ 51 Ngarluma--Martuthunira -------Yindjibarndi-----<u>0.36</u> 0.99.....Kariyarra -Kurrama----------Nyamal-·····Ngarla-- Nyamal ..... ---Ngarla......<u>0.92</u> .....Kurrama---Panyjima--.....Yinhawangka------Yinhawangka.....a -----Purduna- -,Wangkatja..... ·····Payungu- -····Thalanyji---0.77 / Industriyangga.....0 ······Jiwarli-------Jiwarli······· 1 •----Badimaya-------Badimaya..... •-----Wajarri- ------Wajarri..... 0.51 ---/----Nhanta-----···········Wirangu----/ Nukunu---/-----Nukunu-----Ngadjumaya-/\_\_\_\_\_Ngadjumaya----------Mirniny------·····Wangkatja<sup>/</sup> 0.89 ...PintupiLuritja-----PintupiLuritja.... ------Ngaanyatjarra------Ngaanyatjarra-•·····Kartujarra-----Kartujarra ---Warnman------Warnman------.....Yulparija------Yulparija..... -----Kukatja--------Kukatja------•·····MangalaMcK---.....Nyangumarta--......Karajarri-----Karajarri------.....Ngardily------0.52 ..Bilinarra------Bilinarra..... ......Mudburra------Mudburra------······Gurindji-----Gurindji·········· ......Ngarinyman------Ngarinyman ......ا ·····Jaru------Jaru···········• -----WalmajarriHR·····• Warlmanpa----Warlmanpa--------Warlpiri---WalmajarriHR • WesternArrarnta-------WesternArrarnta •