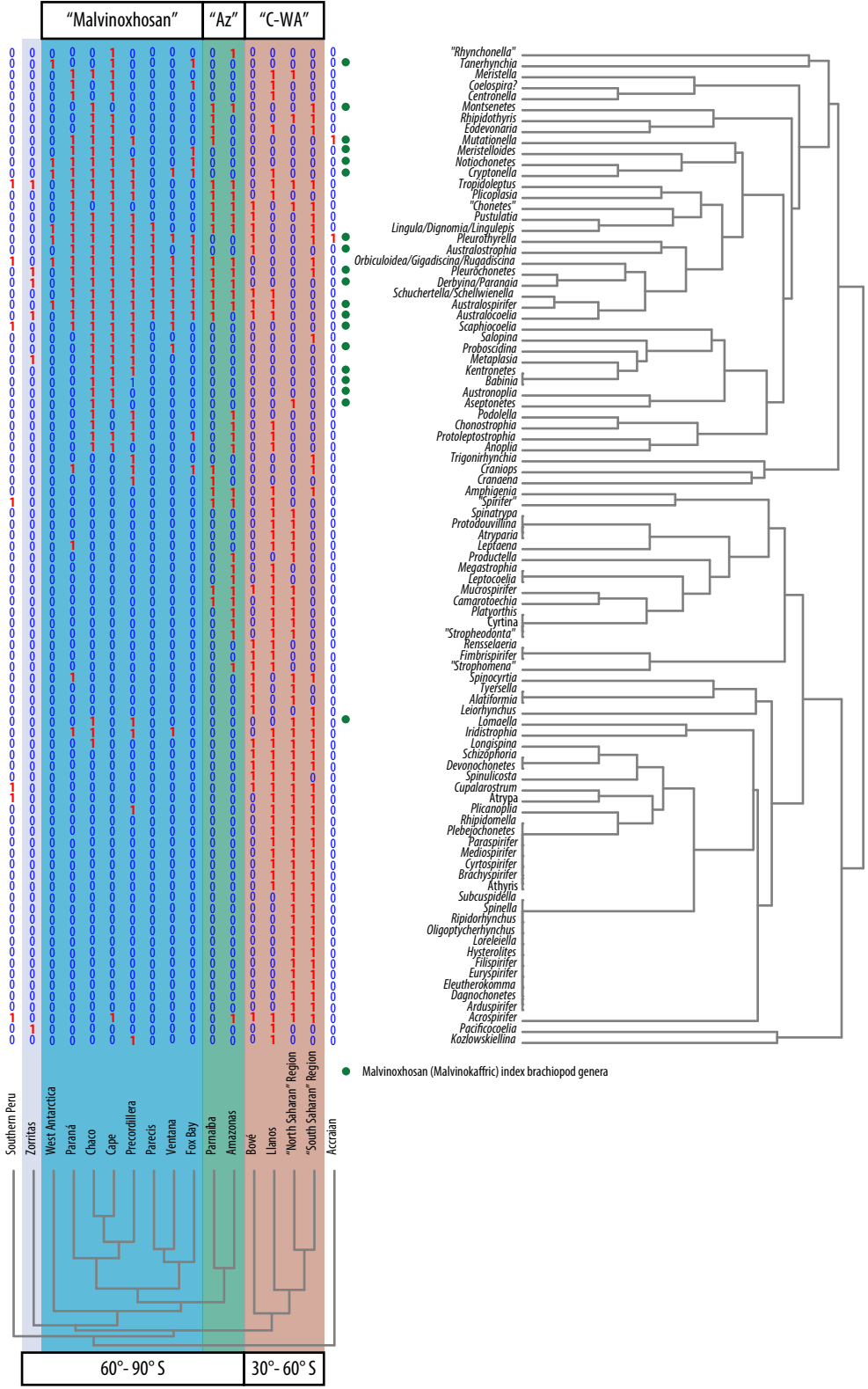
Penn-Clarke, C.R., and Harper, D.A.T., 2020, Early–Middle Devonian brachiopod provincialism and bioregionalization at high latitudes: A case study from southwestern Gondwana: GSA Bulletin, https://doi.org/10.1130/B35670.1.

Supplemental Material

Table S1. Basin vs Taxon

Figure S1: The results of a two-way Jaccard cluster analysis of the "Basin vs Taxon (SR)" dataset using a neighbour joining algorithm. Also indicated (green circle) are Malvinoxhosan index brachiopod genera. This figure is the result of a two-way Jaccard cluster analysis of the dataset with all single occurrence taxa removed (see "Basin vs Taxon (SR) Excel worksheet).


"Malvinoxhosan"
"Az"
"C-WA"
Southern Peru
Zorritas
West Antarctica
Paraná
Chaco
Cape
Precordillera
Parecis
Ventana
Fox Bay
Parnaíba
Amazonas
Bové
Llanos
"North Saharan" Region
"South Saharan" Region
Accraian
60°- 90° S
30°- 60° S
"Rhynchonella"
Tanerhynchia
Meristella
Coelospira?
Centronella
Montsenetes
Rhipidothyris
Eodevonaria
Mutationella
Meristelloides
Notiochonetes
Cryptonella
Tropidoleptus
Plicoplasia
"Chonetes"
Pustulatia
Lingula/Dignomia/Lingulepis
Pleurothyrella
Australostrophia
Orbiculoidea/Gigadiscina/Rugadiscina
Pleurochonetes
Derbyina/Paranaia
Schuchertella/Schellwienella
Australospirifer
Australocoelia
Scaphiocoelia
Salopina
Proboscidina
Metaplasia
Kentronetes
Babinia
Austronaplia
Aseptonetes
Podolella
Chonostrophia
Protoleptostrophia
Anoplia
Trigonirhynchia
Craniops
Cranaena
Amphigenia
"Spirifer"
Spinatrypa
Protodouvillina
Atryparia
Leptaena
Productella
Megastrophia
Leptocoelia
Mucrospirifer
Camarotoechia
Platyorthis
Cyrtina
"Stropheodonta"
Rensselaeria
Fimbrispirifer
"Strophomena"
Spinocyrtia
Tyersella
Alatiformia
Leiorhynchus
Lomaella
Iridistrophia
Longispina
Schizophoria
Devonochonetes
Spinulicosta
Cupalarostrum
Atrypa
Plicanoplia
Rhipidomella
Plebejochonetes
Paraspirifer
Mediospirifer
Cyrtospirifer
Brachyspirifer
Athyris
Subcuspidella
Spinella
Ripidorhynchus
Oligoptycherhynchus
Loreleiella
Hysterolites
Filispirifer
Euryspirifer
Eleutherokomma
Dagnochonetes
Arduspirifer
Acrospirifer
Pacificocoelia
Kozlowskiellina
Malvinoxhosan (Malvinokaffric) index brachiopod genera