



### Olistoliths (protolith)

#### Sedimentary

- Lydite/ampelite
- Quartzite
- Greywacke
- Limestone
- Phyllite

#### Igneous

- Rhyolite/felsic tuff
- Dacite
- Mafic rock
- Granite
- Gneiss

- a Detrital zircon with Variscan (390-330 Ma) MDA
  - b
  - a Detrital zircon with pre-Variscan MDA
  - b
  - a Furongian-early Silurian magmatic rock protolite age (olistoliths)
  - b
  - a Furongian-early Silurian magmatic rock protolite age (UPa)
  - b
- (a: published data; b: this work)

### References:

1 - Valverde Vaquero et al., 2005; 2 - Marcos and Farias et al., 1999; 3 - Marcos et al., 2002; 4 - Martínez Catalán et al., 2019; 5 - Díez Fernández et al., 2012; 6 - Valverde Vaquero et al., 2007; 7 - Farias et al., 2014; 8 - Meireles et al., 1999a, b; 9 - Meireles, 2013; 10 - Martínez Catalán et al., 2016; 11 - González-Clavijo et al., 2016; 12 - Dias da Silva et al., 2014, 2015; 13 - Pereira et al., 2006; 14 - Rodrigues et al., 2010, 2013; 15 - Pereira et al., 1998; 16 - Matte, 1968

### Acronyms:

U - Upper  
M - Middle  
L - Lower  
Al - Allochthon  
Pa - Parautochthon  
MP-MT - Intermediate pressure and temperature units  
HP-HT - High pressure and temperature units  
RBTS - Rio Baio Thrust Sheet  
LABT - Lower Allochthon Basal Thrust  
MTMT - Main Trás-os-Montes Thrust  
BLPD - Basal Lower Parautochthon Detachment  
SCSS - Silurian carbonaceous-siliceous slates

### LOWER PARAUTOCHTHON:

L - Loiba Series  
N - Nogueira Gp  
P - Paraño Gp (Lower unit)  
G - Gimonde Fm  
S - Soutelo Fm  
RO - Rio de Onor Fm  
C - Coroto Fm  
R - Rabano Fm  
SV - S. Vifero Fm  
A - Almendra Fm

VC - Vila Chã Fm  
T - Travanca Fm  
P - Meirinhos Fm  
CR - Casal do Rato Fm  
CSG - Culminating slate and greywacke Fm

US - Upper Slates Fm  
Cu - Curros Fm  
FN - Fragas Negras Fm (SCSS)  
SC - S. Clodio Fm

### UPPER PARAUTOCHTHON:

Q - Quiroga Series  
P - Paraño Gp (Middle and Upper units)  
Pe - Peso Fm  
Al - Algofo Fm  
SV - Saldanha Volcanics  
MV - Mora Volcanics