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SUPPLEMENTARY ONLINE MATERIAL FOR

**Possible polychaete tube worms from the Late Emsian (Early Devonian) of the  
Parana Basin, Brazil**

Olev Vinn, Carolina Zabini, Gustavo Sene-Silva, Kalle Kirsimäe,  
and Lara Susan-Marcos

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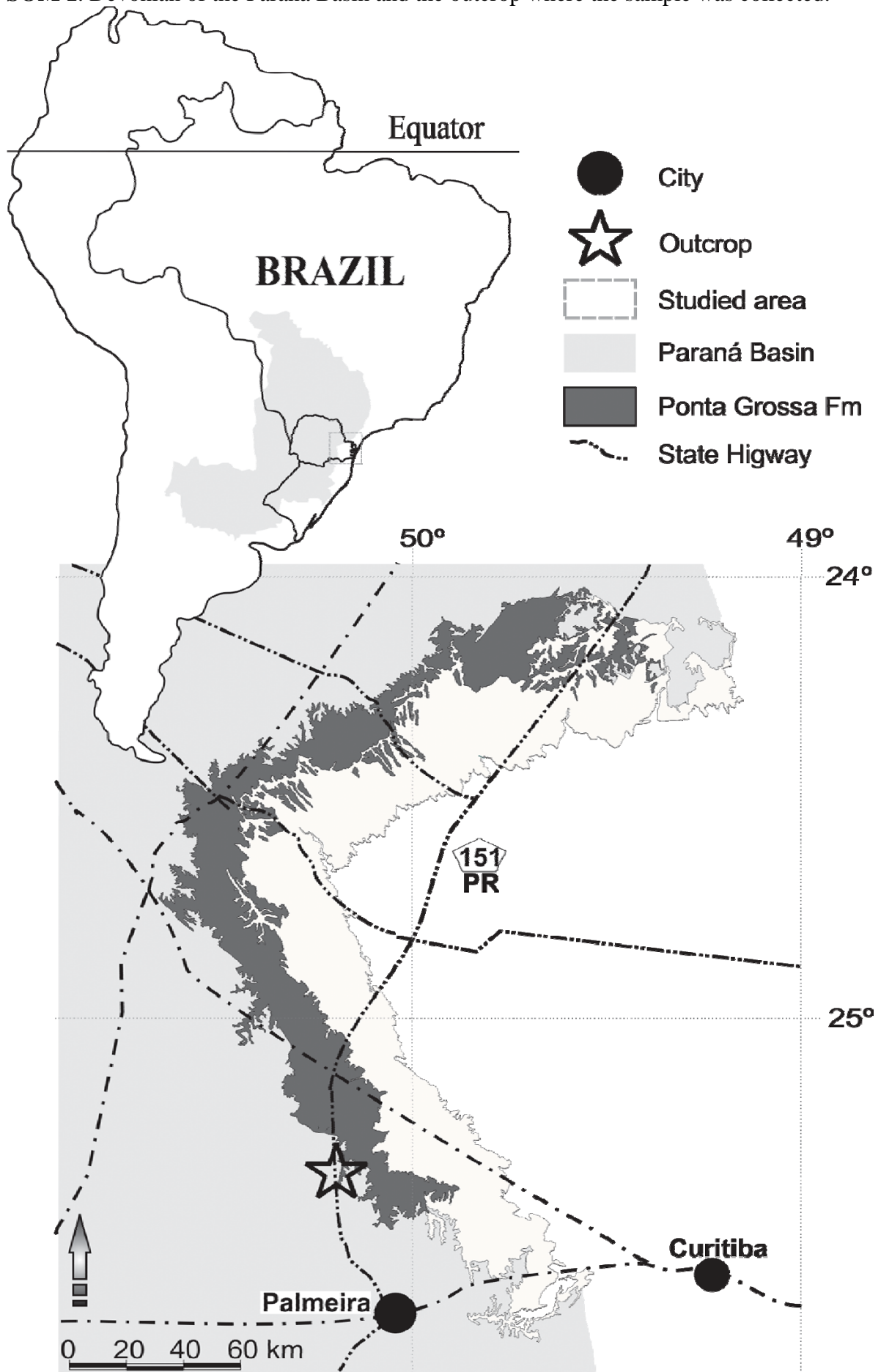
**Supplementary Online Material**

**SOM 1.** Devonian of the Paraná Basin and the outcrop where the sample was collected.

**SOM 2.** Fossils in the Devonian of the Paraná Basin.

**SOM 3.** XRD graphic of host rock and studied tubes.

**SOM 1.** Devonian of the Paraná Basin and the outcrop where the sample was collected.



**SOM 2.** Fossils in the Devonian of the Paraná Basin.

Phylum	Major groups	Genus	Species	Authors
Echinodermata	Crinoidea	<i>Laudonomphalus</i>	<i>Laudonomphalus multituberculatus</i>	Scheffler and Fernandes (2007)
	Blastoidea	<i>Pachyblastus</i>	<i>Pachyblastus?</i> sp.	Scheffler and Fernandes (2007)
		Pentremetidae indet.		
Arthropoda	Trilobitomorpha			Scheffler (2000)
Annelida	Scolecodonts			Scheffler (2000)
		<i>Serpulites</i>	<i>Serpulites sica</i>	Scheffler (2000)
	Sabellidae?			Vinn et al. (2016)
Mollusca	Bivalvia	<i>Solemya</i>	<i>Solemya braziliensis</i>	Scheffler (2000)
			<i>Solemya</i> sp.	
		<i>Solemya bokkeveldensis</i>		
		<i>Nuculites</i>	<i>Nuculites sharpei</i>	
	Gastropoda	<i>Pleurodapis</i>	<i>Pleurodapis multicincta</i>	
		<i>Seretites</i>	<i>Seretites jaculus</i>	
		<i>Tentaculites</i>	<i>Tentaculites brannerensis</i>	
		<i>Homoctenus</i>		
	<i>Uniconus</i>		Fregatto (2011)	
Brachiopoda	Articulata	<i>Schuchertella</i>		Conniskey (2011)
	Inarticulata	<i>Orbiculoidea</i>	<i>Orbiculoidea baini</i>	Conniskey (2011), Scheffler (2000)
			<i>Orbiculoidea</i> sp.	
		<i>Lingula</i>	<i>Lingula lamella</i>	Scheffler (2000)
			<i>Lingula lepta</i>	
<i>Lingula scalprum</i>				
Ichnofossils		<i>Palaeophycus</i>		Scheffler (2000)
		<i>Planolites</i>		
		<i>Bifungites</i>		

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SOM 3. XRD graphic of host rock and studied tubes.

