

File S1. Results of the ANOVAs test and SNK tests.

1)

(a): Results of the ANOVAs to test for differences in the coverage area of pralines among sites (Si: Is Piscadeddus *vs* Serpentara *vs* Santa Caterina) and sizes (Sz: < 2cm *vs* >2cm). Significant results are given in bold. (b): Results of the posteriori comparisons (SNK test) for the interaction SixSz for pralines and branches respectively.

Pralines			
	DF	F	P
Site (Si)	1	11.53	0.0016
Size (Sz)	1	0.13	0.7259
SixSz	2	4.21	0.0412
RES	12		
TOT	17		
Cochran test:		0.4402 (Not Significant)	

(b) SNK test a posteriori Pralines (SixSz)	
Size	Site
< 2 cm	Is Piscadeddus=Serpentara=Santa Caterina
> 2cm	Is Piscadeddus=Serpentara=Santa Caterina
Site	Size
<i>Is Piscadeddus</i>	< 2cm = > 2cm
<i>Santa Caterina</i>	< 2 cm < > 2cm
<i>Serpentara</i>	< 2cm = > 2cm
S.E. = 34.0815	

2)

(a): Results of the ANOVA to test for differences in the coverage area of pralines and branches among sites (Si: Is Piscadeddus *vs* Serpentara *vs* Santa Caterina) and morphotypes (Mo: boxwork *vs* pralines *vs* branches). Significant results are given in bold. (b): Results of the posteriori comparisons (SNK test) for the interaction SixMo.

(a) ANOVA			
	DF	F	P
Site (Si)	2	43.35	0.0000
Morphotype (Mo)	2	29.39	0.0000
SixMo	4	11.9	0.0001
RES	18		
TOT	26		
Cochran test: 0.4694 (Not Significant)			

(b) SNK test a posteriori (SixMo)	
Morphotype	Site
<i>Boxwork</i>	Is Piscadeddus=Serpentara<Santa Caterina
<i>Pralines</i>	Is Piscadeddus<Santa Caterina=Serpentara
<i>Branches</i>	Is Piscadeddus=Santa Caterina=Serpentara
Site	Morphotype
<i>Is Piscadeddus</i>	Boxwork<Pralines=Branches
<i>Santa Caterina</i>	Branches<Boxwork=Pralines
<i>Serpentara</i>	Boxwork<Branches<Pralines
S.E. = 1.4147	

3)

(a): Results of the ANOVA to test for differences in the weight percentage of grain size (Gs) among sites (Si: Is Piscadeddus *vs* Serpentara *vs* Santa Caterina) and grain sizes (Gs: mud *vs* sand *vs* gravel). Significant results are given in bold. (b): Results of the posteriori comparisons (SNK test) for the interaction SixGs.

(a) ANOVA			
	DF	F	P
Site (Si)	2	212.56	0.0000
Grain size (Gs)	2	432.54	0.0000
SixGs	4	33.09	0.0000
RES	18		
TOT	26		
Cochran test: 0.4413 (Not Significant)			

(b) SNK test a posteriori (SixGs)	
Grain size	Site
<i>Mud</i>	Santa Caterina=Serpentara<Is Piscadeddus
<i>Sand</i>	Serpentara<Santa Caterina=Is Piscadeddus
<i>Gravel</i>	Is Piscadeddus<Santa Caterina<Serpentara
Site	Morphotype
<i>Is Piscadeddus</i>	Gravel=Mud<Sand
<i>Santa Caterina</i>	Mud<Gravel<Sand
<i>Serpentara</i>	Mud<Gravel<Sand
S.E. = 2.4851	