

S1 - Tables of taphonomic attributes

Species in WKJ	Preservation				Internal mould	Deformation by compaction	Corrosion	Bioencrustation	Bioerosion
	A	AF	D	DF					
<i>Neochonetes (Nongtaia) arabicus</i>	2						100%		
<i>Costispiriferini</i>		1					100%		
<i>Comuquia</i> sp.		4							
<i>Neoplicatifera</i> sp.		5					40%		
<i>Spinomarginifera</i> sp.		2			100%		100%		
<i>Caricula</i> sp.		5							
<i>Retimarginifera</i> aff. <i>R. celeteria</i>		4				25%	50%	25%	
<i>Retimarginifera auricolata</i> n. sp.	17						88%		12%
<i>Transennatia insculpta</i>		8						25%	
<i>Transennatia</i> sp.		3							
<i>Kozlowskia cornuta</i>		6			67%		100%	16%	
<i>Callytharrella websteri</i> n. sp.		16		1		12%	6%	6%	
<i>Calliprotonia</i> sp.		11					100%		
<i>Juresania omanensis</i>		1					100%		
<i>Bilotina</i> sp.	1						100%		
<i>Waagenoconcha (Gruntoconcha)</i> sp.	2						100%		
<i>Magniplicatina johannis</i>		1					100%		
<i>Edriosteges</i> sp.		2							
<i>Eolyttonia</i> sp.				2(v.v.)					
<i>Derbya</i> aff. <i>D. scobina</i>	8					25%	12,5%	12,5%	
<i>Perigeyerella</i> aff. <i>P. raffaellae</i>	8	3			9%		100%		
<i>Goniarina</i> sp.	4			1(v.v.)		40%	60%	20%	
<i>Rhipidomella hessensis</i>	4	1					80%	60%	20%
<i>Enteletes</i> aff. <i>E. oehlerti</i>		1							
<i>Enteletes</i> sp.	1					100%	100%		100%

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<i>Parenteleles</i> sp.	3							67%	33%
<i>Acosarina</i> aff. <i>A. mesoplatys</i>	2	3				40%	100%	40%	20%
<i>Orthotichia</i> aff. <i>magnifica</i>		5			20%		40%	60%	80%
<i>Stenosocisma</i> aff. <i>S. abbreviatum</i>	1	1					100%		
<i>Stenosocisma</i> aff. <i>S. bellatulum</i>		2					50%		
<i>Stenosocisma qararensis</i> n. sp.	6	11				6%	47%	6%	
<i>Torynechus</i> sp.	3	6				22%	67%		
<i>Camarophorinella</i> sp.	2						100%		
? <i>Goleomixa</i> sp.	1						100%		
<i>Wellerella</i> sp.		2					100%		100%
<i>Uncinunellina</i> sp.	4	1				20%			
<i>Anchorhynchia multicostata</i> n. sp.	7	3					20%	20%	10%
<i>Fascicosta</i> aff. <i>F. longaeva</i>	2	2				50%	75%		
<i>Gerassimovia</i> sp.	2	2			25%		25%	25%	
<i>Cleiothyridina</i> sp.	5	1				17%	100%		17%
<i>Posicomta advena</i>	1						100%		
<i>Hustedia funaria</i>	8	1					11%		
<i>Hustedia ratburiensis</i>	6						100%		
<i>Martinia</i> sp.		3					100%		
? <i>Chapursania</i> sp.	2	1			33%		100%		
<i>Cartorhium</i> aff. <i>C. multiradiatus</i>	2	5			14%		57%	43%	29%
<i>Spiriferella posterosulcata</i> n. sp.	3	3		1(v.v.)			43%		
<i>Aequalicosta</i> sp.	2	3			60%		20%		
<i>Tipispirifer</i> sp.		2					100%		
<i>Permophricodothyris</i> aff. <i>P. affinis</i>	2	3					100%		20%
<i>Permophricodothyris inaequilateralis</i>	5						100%	20%	
<i>Squamularia marcouxii</i>	7	4					64%		
<i>Squamularia</i> sp.	9	1					100%		20%
<i>Paraspiriferina gentilis</i>	1				100%		100%		
<i>Spiriferellina aduncata</i>	1	1					50%		

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<i>Spiriferellina yanagidai</i>	8	3					27%		
<i>Notothyris</i> sp.	1						100%		
<i>Rostranteris mediterraneum</i>	2	2				25%	75%		25%
<i>Dielasma</i> sp.	2						100%		
Tot.	147	145		5	5%	6%	57%	8.5%	7%

Species in JQ1	Preservation				Internal mould	Deformation by compaction	Corrosion	Bioencrustation	Bioerosion
	A	AF	D	DF					
<i>Transennatia</i> sp.		3					33%		
<i>Juresania</i> sp.	3		2(v.v.)			20%	100%	20%	
Auriculispiniinae		1							
<i>Enteletes</i> aff. <i>E. oehlerti</i>		1				100%	100%		
? <i>Chapursania</i> sp.	2	1				33%	100%		
<i>Tiramnia</i> aff. <i>T. semiglobosa</i>	3					66%	100%		
<i>Spiriferella posterosulcata</i> n. sp.	1	1					100%		
<i>Arcullina</i> sp.	1						100%		100%
Tot.	10	7	2			26%	84%	5%	5%

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Species in JX3	Preservation				Internal mould	Deformation by compaction	Corrasion	Bioencrustation	Bioerosion
	A	AF	D	DF					
<i>Callytharrella websteri</i> n. sp.		1					100%		
<i>Calliprotonia</i> sp.		1					100%		
<i>Juresania omanensis</i>		1							
<i>Bilotina yanagidai</i>	1						100%		
<i>Perigeyerella</i> aff. <i>P. raffaellae</i>		1					100%		
<i>Enteletes</i> aff. <i>E. oehlerti</i>		2				100%			
<i>Stenoscisma qararensis</i> n. sp.	2	2				75%	75%		
<i>Cartorhium</i> aff. <i>C. multiradiatus</i>	1	2				66%	33%		
<i>Dielasma</i> sp.		1					100%		
Tot.	4	11				47%	73%		

Species in SH11	Preservation				Internal mould	Deformation by compaction	Corrasion	Bioencrustation	Bioerosion
	A	AF	D	DF					
<i>Goniarina</i> sp.		1							
<i>Hustedia</i> aff. <i>H. indica</i>	2				50%		100%		
<i>Spiriferella posterosulcata</i> n. sp.	2	1				100%	33%		
<i>Arcullina</i> sp.	1		2(v.v.)				100%		
<i>Callispirina</i> cf. <i>C. rotunda</i>	1								
Tot.	6	2	2		10%	30%	60%		

A = articulate; AF = articulate with fractures; D = disarticulate valve; DF = disarticulate valve with fractures