

TABLE 2. Recent abundance and water depth distribution and fossil abundance of the described species. Species have been classified, depending on their abundance on the total recent and fossil assemblages in percent in the three investigated areas, into the following categories: (o) = extremely rare; o = very rare (<1%); oo = rare (1-5%); ooo = frequent (5-10%), oooo = abundant (10-25%) and ooooo = dominant (>25%). The distribution of fossil species that are abundant in at least 1/3 of the core samples have been listed into the following time inter-

vals: late Holocene (≤ 3500 cal. years BP), middle Holocene (3500 - 6500 cal. years BP), early Holocene (6500 - 11 700 cal. years BP) and the late glacial period ($\geq 11 700$ cal. years BP). The distribution of fossil species that are extremely rare and only occur in a few core samples is not given here except for those that have been only found in the fossil assemblages (* summarized to *Ammonia* spp., ** summarized to *Asterigerinata mamilla* s.l.)

Species	Area	Recent distribution			Fossil distribution			
		Abundance	Biocoenosis	Thanatocoenosis	Late Holocene	Middle Holocene	Early Holocene	Latest glacial period
<i>Acervulina inhaerens</i> Schultze	Oran	o		70				
	Mallorca	o		56-61				
<i>Adelosina colomi</i> (Le Calvez and Le Calvez)	Alboran	o		83				
	Mallorca	o		40-80				
<i>Adelosina dubia</i> (d'Orbigny)	Alboran	o		38-73		o		o
	Oran					o		
	Mallorca						o	
<i>Adelosina laevigata</i> d'Orbigny	Alboran	o		38-83				
	Oran	oo		67-130	o	o		
	Mallorca	oo		40-74	o	o	o	
<i>Adelosina longirostra</i> (d'Orbigny)	Alboran	o		38-83		o		
	Oran	o		84-118		o		
	Mallorca				o	o	o	
<i>Adelosina mediterranensis</i> (Le Calvez and Le Calvez)	Alboran	o		38-161	o		o	
	Oran	o		84-118	o	o		
	Mallorca	oo	74-94	56-116				
<i>Adelosina</i> sp. 1	Alboran	o		38	o	o	o	
	Oran	oo		48-130	o	o		
	Mallorca	o	67	56-116	o		o	
<i>Affinetrina gualtieriana</i> (d'Orbigny)	Alboran	o		38		o	o	
	Mallorca						o	
<i>Affinetrina ucrainica</i> (Serova)	Oran					o		
	Mallorca				o	o	o	
<i>Affinetrina</i> sp. 1	Alboran						(o)	
<i>Affinetrina</i> sp. 2	Alboran							o
<i>Alveophragmium scitulum</i> (Brady)	Mallorca	(o)		94-235				
<i>Ammodiscus minimus</i> Hoeglund	Alboran	o		161				
<i>Ammoglobigerina globigeriniformis</i> (Parker and Jones)	Alboran	o		60-83				
	Oran	o		48-73; 118-130				
	Mallorca	o		40-80				
<i>Ammolagena clavata</i> (Parker and Jones)	Mallorca	(o)		94-235				

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<i>Ammonia beccarii</i> (Linné)	Alboran	*		97-115				o
	Oran	*	20-83	20-127				
	Mallorca	*	40-56	40-235				
<i>Ammonia parkinsonia</i> (d'Orbigny)	Alboran	*						o
	Oran	*						
	Mallorca	*						
<i>Ammosphaeroidina sphaeroidinoides</i> (Brady)	Mallorca	(o)		94-235				
<i>Amphicoryna scalaris</i> (Batsch)	Alboran	o		60-91				
	Oran	o	130	48-130	o			
	Mallorca	oo	105-161	80-235	o	o		
<i>Angulogerina angulosa</i> (Williamson)	Alboran	oo		38-161	o	o	o	
	Oran	oo		67-130	oo	oo		
	Mallorca	oo		80-235	o	o	o	
<i>Anomalinoidea</i> sp. 1	Alboran	oo		38-161	o	o	o	
	Oran	oo		48-121	o	o		
	Mallorca	oo		47-163	o	o	o	
<i>Articulina mucronata</i> (d'Orbigny)	Mallorca	o		40-80	o	o	o	
<i>Asterigerinata adriatica</i> Haake	Mallorca	**			o	oo	o	
<i>Asterigerinata mamilla</i> (Williamson)	Alboran	oooo		38-161	oooo	oooo	oooo	oo
	Oran	oo	48-73	20-127	oooo	oooo		
	Mallorca	oooo	40-48	40-235	oo	oo	oo	
<i>Asterigerinata mariae</i> Sgarrella	Alboran	**			o	o	o	
	Oran	**			o	o		
	Mallorca	**			oo	oo	oo	
<i>Astrononion stelligerum</i> (d'Orbigny)	Alboran	oo		53-83	o	o	o	oo
	Oran	oo		48-115	oo	o		
	Mallorca	o		47-80			o	
<i>Bigenerina nodosaria</i> d'Orbigny	Oran	oo		84-127				
	Mallorca	oo	94; 235	94-163	o	o		
<i>Biloculinella globula</i> (Bornemann)	Alboran	o		64-161	o	o		
	Oran	o		48-127				
	Mallorca	o		40; 74-235				
<i>Biloculinella inflata</i> (Wright)	Mallorca				(o)			
<i>Biloculinella labiata</i> (Schlumberger)	Alboran	o		83-115				
	Oran	o		70-100				
	Mallorca	o		67-163	o			
<i>Bolivina cistina</i> Cushman	Oran	o		70-130				
	Alboran	o		115				
	Mallorca	o		61	o		o	
<i>Bolivina plicatella</i> Cushman	Alboran	o		60-91		o		
	Oran	o		48				
	Mallorca	o		94-235	o	o	o	
<i>Bolivina pseudoplicata</i> Heron-Allen and Earland	Oran				(o)			
<i>Bolivina subspinescens</i> Cushman	Alboran	o		60				
	Oran	o		73-130				
	Mallorca	o		94-163				

<i>Bolivina variabilis</i> (Williamson)	Alboran	o		38-60; 115	o	o	o	
	Oran	o		48-70; 118-127				
	Mallorca	oo		48-235	oo	oo	o	
<i>Bolivina</i> sp. 1	Oran	o	73	48-127				
<i>Brizalina difformis</i> (Williamson)	Alboran	oo	60; 86	53-161				
	Oran	oo		70-130				
	Mallorca	oo		48-235; 67-235				
<i>Brizalina dilatata</i> (Reuss)	Oran	o	20; 67-	67-118				
	Mallorca	o	94	105				
<i>Brizalina spathulata</i> (Williamson)	Alboran	o		38-91				
	Oran	oo	118	70-130; 100-130	o			
	Mallorca	oo		47-235; 105-235	o	o		
<i>Brizalina striatula</i> (Cushman)	Alboran	o	91-115	115				
	Oran	oo	70-127	67-130	o			
	Mallorca	o		94-235	o	o		
<i>Brizalina</i> sp. 1	Alboran				o	o	o	
	Oran				(o)	(o)		
	Mallorca						o	
<i>Buccella granulata</i> (Di Napoli Alliata)	Alboran	o		60-86				
	Oran	o		20-127	o	o		
	Mallorca	o		40-67	o			
<i>Bulimina aculeata</i> d'Orbigny	Oran	oo	67-121	48-130	o	o		
	Mallorca	oo	105-235	61-235	o	oo	o	
<i>Bulimina costata</i> d'Orbigny	Alboran	o		91-161				
	Mallorca	o	80-163	94-235; 163-235				
<i>Bulimina elongata</i> d'Orbigny	Alboran	oo		53-69				
	Oran	oo	67-130	48-127				
	Mallorca	ooo	94-163	74-235	o	oo	o	
<i>Bulimina gibba</i> Fornasini	Alboran	o		63-97				
	Oran	oo	67-121	67-130				
	Mallorca	oo	116	94-235	o	o		
<i>Bulimina marginata</i> d'Orbigny	Alboran	o		83-91				
	Oran	o	94	118-127				
	Mallorca	oo	67	94-235; 163-235	o			
<i>Cancris auriculus</i> (Fichtel and Moll)	Alboran	oo		60-115	o	o		
	Oran	oo	48-130	48-127	o	o		
	Mallorca	oo	80-94	94				
<i>Cassidulina laevigata</i> s.l. d'Orbigny	Alboran	o		53-161	o			
	Oran	oooo	97	20-130; 84-118	o	o		
	Mallorca	oooo	94-116	40-235; 80-163	oooo	ooo	o	
<i>Cassidulina obtusa</i> Williamson	Alboran	oooo	60-161	38-161; 83-115	ooo	oo	oo	o
	Oran	oo	73-121	70-130	oo	o		
	Mallorca	oo	94-163	56-235	o	o		
<i>Cassidulinid</i> sp. 1	Oran					(o)		
<i>Cassidulinoides bradyi</i> (Norman)	Alboran	o		102				
	Oran	o	121	70; 121-130				
	Mallorca	o	94	94				

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<i>Cibicidella variabilis</i> (d'Orbigny)	Alboran	o		38-115	o	o	o	o
	Oran	o		48-100	o	o		
	Mallorca	o	48	56-61	o	o	o	
<i>Cibicides cf. majori</i> (Cushman)	Alboran	ooo		38-115	oo	oo	oo	oo
	Oran	oo		48-121	oo	oo		
	Mallorca	oo		48-163	o	o	o	
<i>Cibicides pseudobatulus</i> Perelis and Reiss	Alboran	oo	91	38-161	oo	oo	ooo	oo
	Oran	oo	48; 121	20-130	oo	o		
	Mallorca	oo	94	40-161	oo	oo	oo	
<i>Cibicides refulgens</i> Montfort	Alboran	oo		38-115; 161	o	oo	oo	oo
	Oran	oo	73	48-130		oo		
	Mallorca	oo		40-163	o	o	oo	
<i>Cibicoides pseudoungerianus</i> (Cushman)	Alboran	oooo		38-161	oooo	ooo	oo	o
	Oran	ooo		20-130	o	o		
	Mallorca	oo		40-235	o	o	o	
<i>Clavulina cylindrica</i> (Cushman)	Oran	o	127	73, 127				
	Mallorca				o	o	o	
<i>Conorbella pulvinata</i> (Brady)	Mallorca						o	
<i>Cornuspira foliacea</i> (Philippi)	Alboran	o		83		o		
	Mallorca				o	o		
<i>Cornuspira involvens</i> (Reuss)	Alboran	o		63-91	o	o		
	Oran	o		97	o	o		
	Mallorca	oo	74	61-235	oo	oo	o	
<i>Cribrostomoides jeffreysii</i> (Williamson)	Alboran	o		53-161				
	Oran	o	67-83	48-121				
	Mallorca	o	116	163				
<i>Cycloforina contorta</i> (d'Orbigny)	Alboran	o		38-115			o	
	Oran	o		97				
	Mallorca	o		40-235	o		o	
<i>Cycloforina? tenuicollis</i> (Wiesner)	Alboran	o		97				
	Oran	oo		84-127				
	Mallorca	o		56-94	o	o	o	
<i>Cycloforina villafranca</i> (Le Calvez and Le Calvez)	Oran	oo		48-73; 127				
	Mallorca	oo		40-94	o	o	o	
<i>Cycloforina</i> sp. 1	Alboran	o		38; 115				
	Oran	o		97				
	Mallorca	o		40-235			(o)	
<i>Cycloforina? sp.2</i>	Oran					o		
<i>Cymbaloporetta bulloides</i> (d'Orbigny)	Mallorca						(o)	
<i>Dentalina guttifera</i> d'Orbigny	Mallorca	o	80					
<i>Deuterammina dublinensis</i> Broennimann and Whittaker	Alboran	o		60-86				
	Oran	o	97-127	48-130				
	Mallorca	o		48				
<i>Discanomalina semipunctata</i> (Bailey)	Alboran	o		91-161				
<i>Discorbinella bertheloti</i> (d'Orbigny)	Alboran	oo	86	38-115	o	o	o	
	Oran	ooo	48-127	48-130	oo	oo		
	Mallorca	oo	235	67-235	o	o	o	
<i>Discorbinoides</i> sp. 1	Alboran				o	o	o	
	Oran					(o)		

<i>Discorbinoides?</i> sp. 2	Alboran	o		161				
	Oran	o		100-118	o	o		
	Mallorca	o		47-105		o	o	
<i>Discorbis williamsoni</i> Chapman and Parr	Alboran	o		38-91	o	oo	o	
	Oran	o		100	o	o		
	Mallorca	o		40-80; 235	o	o	o	
<i>Eggerelloides scabrus</i> (Williamson)	Oran	o	67	20				
	Mallorca	o	94	40				
<i>Elphidium aculeatum</i> (d'Orbigny)	Alboran	oo		38-97	o	o	oo	oo
	Mallorca	o		48		o	o	
<i>Elphidium advenum</i> (Cushman)	Alboran					o	o	oo
	Oran	oo		67; 83, 121	o	o		
	Mallorca	oo		40-94				
<i>Elphidium complanatum</i> (d'Orbigny)	Alboran	oooo		38-161	oo	oooo	ooo	oo
	Oran	oo		48-130	oo	oo		
	Mallorca	oo		47-163	oo	oo	oo	
<i>Elphidium complanatum</i> (d'Orbigny) var. <i>tyrrhenianum</i> Accordi	Alboran	o		86			oo	ooo
	Oran	o		48-121	o			
	Mallorca	o		48-235	o	o	o	
<i>Elphidium crispum</i> (Linné)	Alboran	oo		38-161			o	oo
	Oran	oo	67	20; 48-127				
	Mallorca	oo	67	40-94	o	o	o	
<i>Elphidium decipiens</i> (Costa)	Oran	o		100		o		
	Mallorca	oo		67-116	o	o	o	
<i>Elphidium granosum</i> (d'Orbigny)	Oran	o	118	83				
	Mallorca	o	116	48-235	o	o	o	
<i>Elphidium incertum</i> (Williamson)	Oran	o		127				
	Mallorca	o		47-163	o	o	o	
<i>Elphidium macellum</i> (Fichtel and Moll)	Alboran	o	86	38; 73-105		o		
	Mallorca	oo	94	67-80	o	o	o	
<i>Elphidium margaritaceum</i> (Cushman)	Mallorca	o		40-47			o	
<i>Elphidium</i> sp. 1	Alboran				o	oo	ooo	oooo
<i>Eponides concameratus</i> (Williamson)	Alboran	oo		38-161	oo	o	o	
	Oran	ooo	85	48-130; 64-85	o	o		
	Mallorca	o	67	67-94				
<i>Eponides</i> sp. 1	Alboran	o		38		o		
	Oran	o		48-73				
	Mallorca	o	56-74	40-80				
<i>Favulina foveolata</i> (Seguenza)	Alboran				o	o		
	Oran	o		115-130				
	Mallorca	o		94				
<i>Favulina hexagona</i> (Williamson)	Alboran	oo		53-115	o	o	o	
	Oran	o		67-130	o	o		
	Mallorca	o		48; 94-235	o			
<i>Fissurina castanea</i> (Flint)	Oran	o		90-130				
<i>Fissurina crebra</i> (Matthes)	Alboran	o		69-115				
	Oran	o	90	70-90				
	Mallorca	o		47-94				

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<i>Fissurina fasciata</i> (Egger)	Alboran	o	73	63-69	o			
	Oran	o		83-130				
	Mallorca	o		61-80				
<i>Fissurina lacunata</i> (Burrows and Holland)	Alboran				(o)	(o)	(o)	
<i>Fissurina marginata</i> (Montagu)	Alboran	o	70	73-161	o			
	Oran	o		70-100				
	Mallorca	o		47-94				
<i>Fissurina orbignyana</i> Seguenza	Alboran	oo		60-115				
	Oran	oo		48-130				
	Mallorca	oo		47; 163				
<i>Floresina</i> sp. 1	Oran				(o)	(o)		
	Mallorca				(o)	(o)	(o)	
<i>Fursenkoina acuta</i> (d'Orbigny)	Alboran	o	20	115				
	Oran	o						
<i>Gaudryina rudis</i> Wright	Alboran	oo	48, 80	38-161	o	o		
	Oran	ooo		48-130				
	Mallorca	o		40-163				
<i>Gaudryina siciliana</i> Cushman	Alboran	o	56	63-161	o	o	o	
	Oran	oo		48-130				
	Mallorca	oo		47-105				
<i>Gavelinopsis praegeri</i> (Heron Allen and Earland)	Alboran	ooo	60	38-161	oo	oo	o	
	Oran	ooo	100-130	48-130				
	Mallorca	ooo		47-235				
<i>Glabratella erecta</i> (Sidebottom)	Alboran	o		53-69	o	o	o	o
	Oran	o		67-127				
	Mallorca	o		47-235				
<i>Glabratella hexacamerata</i> Seigle and Bermudez	Alboran	o		69				
	Oran	o		48-118				
	Mallorca							
<i>Glabratella patelliformis</i> (Brady)	Alboran					o	o	
	Mallorca							
<i>Glaphyrammina americana</i> (Cushman)	Oran	o	84	48, 90-130				
<i>Globobulimina affinis</i> (d'Orbigny)	Oran	o	100-130	115-130				
<i>Globocassidulina oblonga</i> (Reuss)	Alboran	oo	73-130	53-115	oo	o		
	Oran	ooo		48-130				
	Mallorca	oo		56-235				
<i>Globocassidulina subglobosa</i> (Brady)	Alboran	oooo	60	38-161; 91-115	oooo	oo	oo	
	Oran	oooo	70-130	48-130; 90-100				
	Mallorca	oo		67-235				
<i>Globulina gibba</i> (d'Orbigny) var. <i>punctata</i> (d'Orbigny)	Alboran	o		86				
<i>Globulina myristiformis</i> (Williamson)	Alboran	o		63				
	Oran	oo		73-121				
<i>Gyroidinoides soldanii</i> (d'Orbigny)	Mallorca	oo		94-235				
<i>Gyroidinoides umbonata</i> (Silvestri)	Alboran	o		115				
	Oran	o		127				
	Mallorca	o		67-116				
<i>Haplophragmoides?</i> sp. 1	Oran	o	100					

<i>Haynesina depressula</i> (Walker and Jacob)	Oran Mallorca	o o		94-235	o o	o o	o o	
<i>Haynesina simplex</i> (Cushman)	Alboran Oran Mallorca	o o oo		63-97 70-84 40-235		o o	oo oo	
<i>Haynesina</i> sp. 1	Mallorca				o	o	o	
<i>Hemirobulina</i> sp.1	Alboran Mallorca	o o		83-86 94-105				
<i>Heronallenia lingulata</i> (Burrows and Holland)	Alboran Oran Mallorca	o o o		60-115 90-130 67-105	o	o		
<i>Hoeglundina elegans</i> (d'Orbigny)	Alboran Oran Mallorca	o o o	105-163	121 67-127 94-235				
<i>Hyalinea balthica</i> (Schroeter)	Oran Mallorca	o ooo	47; 116-235	127 94-235	o	o		
<i>Hyalinonetrion gracillimum</i> (Costa)	Oran Mallorca	o o	90		o			
<i>Labrospira subglobosa</i> (Sars)	Oran	o	127					
<i>Lachlanella bicornis</i> ((Walker and Jacob) emend. Haynes)	Alboran Oran	o o		86 100	o			o
<i>Lachlanella bradyana</i> (Cushman)	Alboran Oran Mallorca	o o o		38-102 78-100 47-116	o o o	o o	o o	
<i>Lachlanella carinata</i> (d'Orbigny)	Mallorca						(o)	
<i>Lachlanella undulata</i> (d'Orbigny)	Alboran Oran Mallorca	o o o		38-161 48-121 48-74		o		
<i>Lachlanella</i> sp. 1	Alboran	o		38				
<i>Laeidentalina</i> sp. 1	Alboran				(o)			
<i>Lagena doveyensis</i> Haynes	Mallorca	o		94	o			
<i>Lagena hispida</i> Reuss var. <i>crispata</i> Matthes	Alboran						(o)	
<i>Lagena striata</i> (d'Orbigny)	Mallorca	o		67				
<i>Lagena strumosa</i> Reuss	Alboran Oran Mallorca	o o o		60-115 48-127 67-116	o o			
<i>Lagenamma diffflugiformis</i> (Brady)	Oran Mallorca	o o	67	70-130 74-163				
<i>Lagena</i> sp. 1	Oran	o	90					
<i>Lamarckina scabra</i> (Brady)	Alboran Oran Mallorca					(o) (o) (o)		
<i>Lenticulina calcar</i> (Linné)	Alboran	o		161				
<i>Lenticulina orbicularis</i> (d'Orbigny)	Alboran Oran Mallorca	oo o o	83-91	53-161 48-130 74-116				

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<i>Lobatula lobatula</i> (Walker and Jacob)	Alboran	oo		38-161	oo	oo	oooo	ooooo
	Oran	oo	48; 130	20-130	ooo	ooo		
	Mallorca	oo	40	40-235				
<i>Marginulina costata</i> (Batsch)	Mallorca	o		94				
<i>Melonis affinis</i> (Reuss)	Oran	oo		48-127				
	Mallorca	oo	67-116	40-163	o			
<i>Melonis barleeianum</i> (Williamson)	Alboran	oo		53-73	o			
	Oran	oo		67-100				
	Mallorca	oo	94; 163	94-235	o			
<i>Miliolid</i> sp. 1	Mallorca				o			
<i>Miliolid</i> sp. 2	Mallorca				o		o	
<i>Miliolinella elongata</i> Kruit	Alboran	oo		63-91				
	Oran	o		67-100	o			
	Mallorca	oo		40-80	o	o	o	
<i>Miliolinella</i> cf. <i>hybrida</i> (Terquem)	Mallorca				o	o	o	
<i>Miliolinella irregularis</i> (d'Orbigny)	Alboran	oo		38-161	o	o	o	
	Oran	oo		67-130				
	Mallorca	o	61-74	40-94	oo	oo	oo	
<i>Miliolinella labiosa</i> (d'Orbigny)	Alboran	o		38		o	o	o
	Oran	o		94	(o)			
	Mallorca				o	o	o	
<i>Miliolinella semicostata</i> (Wiesner)	Alboran	oo		38-161	oo		o	o
	Oran	oo	85	48-127	o	o		
	Mallorca	oo	47-94	40-235	o	o	o	
<i>Miliolinella subrotunda</i> (Montagu)	Alboran	oo		38-161	o	oo	oo	oo
	Oran	o		48-130	oo	oo		
	Mallorca	oo	61	40-235	oo	o	o	
<i>Miliolinella webbiana</i> (d'Orbigny)	Alboran	oo		38-115	o	o	o	o
	Oran	o	48	48-85	o	o		
	Mallorca	o	67	67-74				
<i>Miliolinella</i> sp. 1	Alboran	o		53-102	o			
	Oran	o		70-115	o			
	Mallorca	o		40-163				
<i>Miniacina miniacea</i> (Pallas)	Alboran	o			o	o		
<i>Mississippina</i> sp. 1	Alboran	o		63				
<i>Neoconorbina terquemi</i> (Rzehak)	Alboran	oo		53-105	oo	o	o	
	Oran	ooo	20	48-130	ooo	ooo		
	Mallorca	oooo	40-80	40-235	oooo	ooo	ooo	
<i>Neolenticulina peregrina</i> (Cushman)	Oran				(o)			
	Mallorca				(o)			
<i>Neouvigerina ampullacea</i> (Brady)	Alboran	(o)		161	(o)			
	Mallorca	(o)		235				
<i>Nonion fabum</i> (Fichtel and Moll)	Alboran	o	83					
	Oran	o	20; 100	84				
	Mallorca	o		67; 105-127			o	
<i>Nonionella turgida</i> (Williamson)	Oran	o	118	67-100				
	Mallorca	o	94	48-163	o	o	o	
<i>Nubecularia lucifuga</i> Defrance	Alboran	o		38-63				
	Mallorca				o	o	o	

<i>Nubeculina divaricata</i> (Brady)	Mallorca				o	o	o	
<i>Nummoloculina</i> sp. 1	Alboran	o		63				
	Oran	o		127				
	Mallorca	o		74-94				
<i>Oolina acuticosta</i> (Reuss)	Alboran	o		91-115				
	Oran	o		100-127				
	Mallorca	o		94				
<i>Parafissurina lateralis</i> (Cushman) <i>carinata</i> (Buchner)	Alboran	o		60-91	o	o		
	Oran	o		100-121				
	Mallorca	o		163	o	o		
<i>Parasorites marginalis</i> (Lamarck)	Oran	o	20	20				
<i>Parrellina verriculata</i> (Brady)	Oran	o		70	o	o		
	Mallorca	o		61-163				
<i>Patellina corrugata</i> Williamson	Alboran	o		60-115	o	o	o	
	Oran	o	130	70-118	o	o		
	Mallorca	oo		40-116	o	o	o	
<i>Peneroplis pertusus</i> (Forsk.)	Oran	oo	20	20				
<i>Planodiscorbis rarescens</i> (Brady)	Alboran	o		69	o			
	Oran	o		48-127	o			
	Mallorca	o	105-116	94-116				
<i>Planoglabratella opercularis</i> (d'Orbigny)	Alboran	ooo		38-161	o	o	oo	oo
	Oran	o		20-127	o	oo		
	Mallorca	oo		47-163				
<i>Planorbulina mediterraneensis</i> d'Orbigny	Alboran	oo		63-115	o	o	o	
	Oran	oo	100	20-127	oo	oo		
	Mallorca	oo	74-80	40-163	oo	oo	oo	
<i>Planulina ariminensis</i> d'Orbigny	Alboran					(o)		
<i>Polystomammia nitida</i> (Brady)	Alboran	o		69				
<i>Psammosphaera fusca</i> Schulze	Mallorca	(o)		94-235				
<i>Pseudoclavulina crustata</i> Cushman	Oran	o		84				
	Mallorca	o		105-116				
<i>Pseudoschlumbergerina ovata</i> (Sidebottom)	Alboran					(o)		
	Mallorca						o	
<i>Pseudotriloculina</i> sp. 1	Alboran						o	
	Mallorca				o		o	
<i>Ptychomiliola separans?</i> (Brady)	Oran				(o)	(o)		
	Mallorca						o	
<i>Pullenia quadriloba</i> Reuss	Mallorca	o	105	94-163				
<i>Pyramidulina catesbyi</i> (d'Orbigny)	Oran					(o)		
<i>Pyrgo anomala</i> (Schlumberger)	Alboran	o	115	83-161				
	Oran	oo		100-130				
	Mallorca	o		116				
<i>Pyrgo depressa</i> (d'Orbigny)	Oran	o		78				
	Mallorca	o	105					
<i>Pyrgo elongata</i> (d'Orbigny)	Alboran	o		115-161				
<i>Pyrgo oblonga</i> (d'Orbigny)	Alboran	o		63-102				
	Oran	o		85-115				
<i>Pyrgo</i> sp. 1	Alboran	o		102				
	Oran	o		70-130				

<i>Pyrgo</i> sp. 2	Alboran	o		102				
<i>Pyrgoella sphaera</i> (d'Orbigny)	Alboran	o		161				
<i>Quinqueloculina agglutinata</i> Cushman	Alboran						o	o
<i>Quinqueloculina auberiana</i> d'Orbigny	Alboran	oo		63-69			o	o
<i>Quinqueloculina berthelotiana</i> d'Orbigny	Alboran	o		38			oo	oo
	Oran	o				o		
	Mallorca	o	67; 74					
<i>Quinqueloculina boscianad'</i> Orbigny	Alboran	o		60-115			o	o
	Oran	o	20	84-130				
	Mallorca	oo	74	47-235			o	
<i>Quinqueloculina disparilis</i> d'Orbigny	Alboran	o		38				
	Oran	o		48			o	
<i>Quinqueloculina laevigata</i> d'Orbigny	Alboran	oo		38-86	o	o	o	o
	Oran	oo		48-127		o		
	Mallorca	oo	74;163	48-163	o		o	
<i>Quinqueloculina lata</i> Terquem	Alboran	o		48			o	o
	Oran	o	67			o		
	Mallorca	o		61-94	o		o	
<i>Quinqueloculina limbata</i> d'Orbigny	Alboran	o		38				
	Oran	oo	20	20				
	Mallorca	oo	47-67	40-47				
<i>Quinqueloculina neapolitana</i> Sgarrella and Moncharmont Zei	Alboran						(o)	
<i>Quinqueloculina padana</i> Perconig	Alboran	o		60-97				
	Oran	o		73-127				
	Mallorca	o	105	67; 105-235	o			
<i>Quinqueloculina parvula</i> Schlumberger	Alboran	oo		38-60; 86		o	o	
	Oran	o		70-127	o	o		
	Mallorca	oo		48-94	oo	oo	oo	
<i>Quinqueloculina pseudobuchiana</i> Luczkowska	Alboran	o		63				
	Mallorca	o		105				
<i>Quinqueloculina seminula</i> (Linné)	Alboran	oo		38-161	o	o	oo	oo
	Oran	oooo		20-130	o	o		
	Mallorca	oo		40-163	o		o	
<i>Quinqueloculina stelligera</i> Schlumberger	Alboran	oo		38-91	o	o	o	
	Oran	oo	48	48-127	oo	oo		
	Mallorca	oo		40-61; 94	oo	oo	oo	
<i>Quinqueloculina viennensis</i> Le Calvez and Le Calvez	Alboran	oo		38-97	o			o
	Oran	o		70-127	o	o		
	Mallorca	oo		40-116	o	o	o	
<i>Quinqueloculina</i> sp. 1	Mallorca					o	o	
<i>Rectuvigerina bononiensis</i> (Fornasini)	Alboran	o		69				
	Oran	oo	84	84-121	o			
<i>Rectuvigerina phlegeri</i> Le Calvez	Alboran	o		73				
	Oran	o	48-121	48-130	o	o		
	Mallorca	o		116			o	
<i>Reophax scorpiurus</i> Montfort	Oran	o	67-130	67-121				
	Mallorca	o		74-94				

<i>Repmanina charoides</i> (Jones and Parker)	Alboran				(o)			
<i>Reussella spinulosa</i> (Reuss)	Oran	oo		67-100	oo	o		
	Mallorca	oo	74	48-163	oo	oo	o	
<i>Rhabdamminella cylindrica</i> (Brady)	Alboran	o		97				
<i>Robertina translucens</i> Cushman and Parker	Alboran	o		60				
	Mallorca	o		61-163	o	o		
<i>Rosalina anomala</i> Terquem	Alboran	oo		38-161	o	o	o	
	Oran	oo		67-130		o		
	Mallorca	oo		40-80	o	o		
<i>Rosalina bradyi</i> Cushman	Alboran	oo	73	38-86 ; 86-161	o	oo	oo	
	Oran	o	40; 74	48-130	oo	oo		
	Mallorca	oo		40-80 ; 80-235	oo	oo	oo	
<i>Rosalina globularis</i> d'Orbigny	Alboran	o		38				
	Oran	o		67	o			
	Mallorca	o		40-48; 94-235	o	o	o	
<i>Rosalina macropora</i> (Hofker)	Alboran	o		38-83; 115		o	o	
	Oran	oo	73; 100	20-121	oo	oo		
	Mallorca	oo	48; 67	40-235	o	o	oo	
<i>Rosalina</i> sp. 1	Alboran	oo		60-115	oo	o	oo	oo
	Oran	oo		70-121	o	o		
	Mallorca	oo		47-56; 163				
<i>Sahulia</i> cf. <i>kerimbaensis</i> (Said)	Alboran	oo		63-161	o	o		
	Oran	oo		70-130				
	Mallorca	o		40-116				
<i>Schackionella imperatoria</i> (d'Orbigny)	Alboran				o	o		
	Mallorca	o		67-235				
<i>Sejunctella</i> cf. <i>lateseptata</i> (Terquem)	Oran				(o)	(o)		
<i>Sigmavirgulina tortuosa</i> (Brady)	Alboran						(o)	
	Mallorca					(o)	(o)	
<i>Sigmavirgulina</i> sp. 1	Alboran				o	o		
	Oran	o		73				
	Mallorca	o		61-163	o	o	o	
<i>Sigmoilinita costata</i> (Schlumberger)	Alboran	oo		38-91	o		o	
	Oran	oo		48-130	oo	oo		
	Mallorca	oo		40-235	o	o	oo	
<i>Sigmoilinita distorta</i> (Phleger and Parker)	Alboran	o		73-115				
	Oran	oo		48-100				
	Mallorca	o		94-235		o	o	
<i>Sigmoilinita</i> sp. 1	Oran				(o)	(o)		
<i>Sigmoilopsis schlumbergeri</i> (Silvestri)	Alboran	o		63-115				
	Oran	oo		70-130				
	Mallorca	oo		94-235				
<i>Sigmoilopsis</i> sp. 1	Alboran	o		64-69				
	Oran	o		48-127	o			
	Mallorca	oo		105				
<i>Siphonaperta agglutinans</i> (d'Orbigny)	Mallorca						(o)	

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<i>Siphonaperta aspera</i> (d'Orbigny)	Alboran	o		60				
	Oran	o		48-83				
	Mallorca	o		40-116				
<i>Siphonaperta dilatata</i> (Le Calvez and Le Calvez)	Alboran	o		38	o	o	o	
	Mallorca				oo	oo	oo	
<i>Siphonaperta horrida</i> (Cushman)	Oran	oo		20-118	o			
	Mallorca	oo		80-105				
<i>Siphonaperta irregularis</i> (d'Orbigny)	Alboran	o		38-53				
	Oran	o		48-118		o		
	Mallorca	oo	48	40-235; 40-47			o	
<i>Siphonaperta</i> sp. 1	Alboran	o		38-97				
	Oran	o		48				
	Mallorca	o		48-94	o	o	o	
<i>Siphonaperta</i> sp. 2	Alboran				o	o		
	Oran	oo		48-76 ; 118-130	o	o		
	Mallorca	oo		40-94	oo	o	o	
<i>Siphonina reticulata</i> (Czjzek)	Alboran	o		102				
	Oran	o	127	48-84				
	Mallorca	o		94-235				
<i>Siphoninella soluta</i> (Brady)	Mallorca				(o)	(o)	(o)	
<i>Siphotextularia concava</i> (Karrer)	Alboran	oo	86	64-115	o			
	Oran	oo		48-130	o			
	Mallorca	oo		48-163	o	o	o	
<i>Siphotextularia flintii</i> (Cushman)	Alboran	oo		63-115				
	Oran	o		48-100				
	Mallorca	o		47-48				
<i>Siphouvigerina?</i> sp. 1	Alboran					o		
	Oran					o		
	Mallorca						o	
<i>Sphaerogypsina globula</i> (Reuss)	Alboran	oo		38-161	oo	oo	o	
	Oran	oo		48-121	oo	o		
	Mallorca	oo	40	40-94			o	
<i>Sphaeroidina bulloides</i> d'Orbigny	Mallorca	o		116-163				
<i>Spirillina limbata</i> Brady	Alboran	oo	91	38-97	o			
	Oran	o		70-121				
	Mallorca	o		80-94				
<i>Spirillina vivipara</i> Ehrenberg	Alboran	oo	63	38-115	oo	oo	oo	
	Oran	oo	48; 100-130	48-121	oo	oo		
	Mallorca	oo	61	40-235	oo	oo	oo	
<i>Spirillina wrightii</i> Heron-Allen and Earland	Alboran	o		53-83				
	Oran	o		48-85				
<i>Spirillina</i> sp. 1	Oran					(o)		
<i>Spirillinid</i> sp. 1	Alboran	o		38-73	o	o	o	
	Oran	o		48-130	o	o		
<i>Spiroloculina dilatata</i> d'Orbigny	Alboran	oo		38-69	o			
	Oran	o		48-130	o			
	Mallorca	o		47-163				

<i>Spiroloculina excavata</i> d'Orbigny	Alboran Oran Mallorca	o o o		64-161 70-127 94-163	o			
<i>Spiroloculina cf. rostrata</i> Reuss	Alboran Oran Mallorca	o o o		64-91 48-130 80	o o			
<i>Spiroloculina tenuiseptata</i> Brady	Alboran Oran Mallorca	o oo o		63-91 48-130 67-116	o o	o		
<i>Spiroloculina</i> sp. 1	Alboran Oran Mallorca	o oo o		53-115 67-127 74-105				
<i>Spiroloculina</i> sp. 2	Alboran Oran Mallorca	o o o		60-115 70-121 40-163	o o o	o o o		
<i>Spiroloculina</i> sp. 3	Oran Mallorca	o o		90-121 56				
<i>Spirophthalmidium acutimargo</i> (Brady) var. <i>concava</i> (Wiesner)	Mallorca				(o)			
<i>Spirophthalmidium</i> sp. 1	Alboran Oran Mallorca	o 		83	(o)	o	o	
<i>Spirophthalmidium</i> sp. 2	Mallorca						o	
<i>Spiroplectinella sagittula</i> s.l. (Defrance)	Alboran Oran Mallorca	oo ooo oooo	94	38-161; 86-91 48-130; 73-130 40-235; 67-94	o o oo	o o	o	
<i>Spiroplectinella</i> sp. 1	Alboran Oran Mallorca	oo oo oo		48-85 53-115 47-116	o o oo	o oo		
<i>Spiroplectinella</i> sp. 2	Alboran Oran Mallorca	oo oo oo	127	60-161 48-130; 97-121 67-163	o	o		
<i>Spirorbina?</i> sp. 1	Alboran Oran Mallorca	o o o		38 67 40-48; 105-235	oo	oo	oo	
<i>Stainforthia complanata</i> (Egger)	Oran Mallorca	o	67		o	o		
<i>Stomatorbina concentrica</i> (Parker and Jones)	Alboran Oran Mallorca	oo oo o	61; 91 100-130	38-161 48-127 94	o o	o		
<i>Svratkina</i> sp. 1	Alboran Mallorca						o o	
<i>Textularia agglutinans</i> d'Orbigny	Alboran Oran Mallorca	o oo oo		60-115 20-121 47-163	o			
<i>Textularia calva</i> Lalicker	Alboran Oran Mallorca	o oo oo	40-163	69-73 40-130 47-235	oo oo	o oo	oo	

<i>Textularia conica</i> d'Orbigny	Alboran	o		83-163				
	Oran	oo		40-130	o			
	Mallorca	oo		40-235	o	o	o	
<i>Textularia gramen</i> d'Orbigny	Alboran	o		64-97				
	Oran	oo		48-130	o	o		
	Mallorca	oo	61-105	40-235	o	o	o	
<i>Textularia pala</i> Czjzek	Alboran	oo		38-115	o	o		
	Oran	oo	78	48-130	o	oo		
	Mallorca	oo	40-94	40-235	o	o		
<i>Textularia pseudorugosa</i> Lacroix	Alboran	oo	161	53-161	o	o	o	
	Oran	ooo		70-130	o	o		
	Mallorca	o		47-116				
<i>Tretomphalus concinnus</i> (Brady)	Alboran	oo		38-69	o	oo	oo	oo
	Oran	o		73-83	o	oo		
	Mallorca	oo		94-235	oo	oo	ooo	
<i>Tretomphalus</i> sp. 1	Alboran	oo		53-69; 115	oo	oo	oo	
	Oran	o		48; 100-118	o	o		
	Mallorca	o		40-235	ooo	oo	oo	
<i>Trifarina fornasinii</i> (Selli)	Alboran				(o)			
<i>Triloculina oblonga</i> (Montagu)	Alboran	o		60				
	Oran	o		67	o	o		
<i>Triloculina plicata</i> Terquem	Alboran					o	o	(o)
	Oran	o		48-130	o	o		
	Mallorca				(o)			
<i>Triloculina marioni</i> Schlumberger	Alboran				(o)	(o)	(o)	
	Oran	o		90-127	o	o	o	
	Mallorca	o	74		o	o	o	
<i>Triloculina tricarinata</i> d'Orbigny	Alboran	o		102-161				
	Oran	oo		67-83				
	Mallorca	o		40-163	o	o		
<i>Triloculina</i> sp. 1	Alboran	o		83-115				
	Oran	oo		48-130				
	Mallorca	o		105				
<i>Trimosina</i> sp. 1	Mallorca						(o)	
<i>Trisegmentina compressa</i> Wiesner	Mallorca	o		105				
<i>Tritaxis fusca</i> (Williamson)	Mallorca	o		163				
<i>Trocholinopsis ornata</i> Sidebottom	Alboran				o	o	o	
	Oran					o		
<i>Uvigerina mediterranea</i> Hofker	Mallorca	(o)		105-235	(o)			
<i>Uvigerina peregrina</i> Cushman	Alboran	oo		102-115				
	Oran	oo	48-127	67-130				
	Mallorca	oo	94-235	94-235				
<i>Uvigerina</i> sp. 1	Mallorca						o	
<i>Vaginulina cf. americana</i> Cushman	Alboran	o		86-161				
	Oran	o		130				
<i>Valvulineria complanata</i> (Fornasini)	Alboran	o		53-102				
	Oran	oo	100	48-130				
	Mallorca	o	67-105	80-163	o	o		
<i>Valvulineria minuta</i> Parker	Oran	o		115				

<i>Valvulineria</i> sp. 1	Alboran	o		38		o		
<i>Vertebralina striata</i> d'Orbigny	Mallorca	o		40				
<i>Wiesnerella auriculata</i> (Egger)	Alboran	o		60				
	Oran	o		67	o			
	Mallorca	o		40-235				