Data Repository Item 2002118

TABLE DR1. ANALYTICAL RESULTS OF LOW-MG CALCITE OF SHELLS OF RUDIST BIVALVES FROM JAMAICA

Locality, Sample no.*	$^{87}Sr/^{86}Sr$	± 2 s.e. (x 10^{-6})	Sr (µg/g)	Mg (µg/g)	Fe (µg/g)	Mn (µg/g)
Central inlier						
Rio Minho section (N18°09'22"; W77°22'47")[†]						
base of Guinea Corn Fm. (beds 58-74)						
C535/1[§]	*0.7076956*		*1236*	*6584*	*2103*	*343*
C535/2	*0.7076877*		*1108*	*7756*	*2429*	*446*
Lower C						
C551	0.7078066		1454	1265	176	51
C551/2	0.7078066		N.D.	N.D.	N.D.	N.D.
D1						
R1089/1	0.7078206		1432	1083	30	6
R1089/2	0.7077955		1448	1144	47	12
R1089/3	0.7078117		1419	1065	72	7
D25						
C598/1	0.7078157		1471	861	154	12
C598/2	0.7078096		1321	1066	91	12
C598/3	0.7078155		1428	950	98	18

R1096/1	*0.7077586*	*1310*	*2526*	*127*	*47*
R1096/2	*0.7077216*	*1148*	*2559*	*132*	*44*
F1					
C546/2	*0.7078216*	*1265*	*647*	*25*	*44*
C546/3	*0.7078146*	*1423*	*1006*	*22*	*44*
C547/1	0.7078217	1302	594	99	13
C547/2	0.7078326	1270	599	81	16
C547/3	*0.7077987*	*1156*	*709*	*91*	*80*
diagenetic calcite					
C546/Z	*0.7073825*	*521*	*1504*	*1529*	*1023*
C546/B	*0.7072036*	*667*	*2614*	*287*	*259*
Slippery Rock River (N18°06'45"; W77°23'05")					
base of Guinea Corn Fm.					
H719/1	*0.7077566*	*1432*	*9856*	*144*	*543*
H719/2	*0.7077537*	*1538*	*8268*	*700*	*227*
H720/1	*0.7077516*	*1626*	*7068*	*1715*	*248*
H720/2	*0.7077336*	*1676*	*7465*	*1780*	*340*
H721/1	*0.7077777*	*1758*	*7730*	*584*	*201*
H721/2	*0.7077377*	*1520*	*6300*	*940*	*288*
Logie Green (N18°09'34"; W77°25'44")					
R1081/1	0.7078066	1279	1055	22	10
R1081/2	0.7078177	1309	1285	79	9

Jerusalem Mountain inlier

Loc. 16, Oyster limestone,					
Mint (N18°19'09"; W78°13'39")					
C568/1	*0.7077487*	*1101*	*1316*	*257*	*54*
C568/2	*0.7077336*	*1062*	*1603*	*147*	*51*
C568/3	*0.7077048*	*N.D.*	*N.D.*	*N.D.*	*N.D.*
Loc. 17, Jerusalem Mountain					
(N18°19'34"; W78°13'48")					
C562/1	*0.7077588*	*1376*	*1075*	*87*	*211*
C562/2	0.7077657	1544	924	24	17
C564/1	*0.7077607*	*1665*	*1004*	*17*	*30*
C564/2	0.7077826	1489	689	5	2
C564/3	0.7077727	1643	842	19	3
C565	*0.7077446*	*1312*	*4876*	*1111*	*139*
C566	*0.7076936*	*671*	*1941*	*111*	*173*
C566/2	*0.7077347*	*852*	*1902*	*139*	*158*
Loc. 18, Jerusalem Mountain					
(N18°19'29"; W78°13'49")					
C561	0.7077736	1506	891	39	2
C561/2	0.7077796	1547	1057	127	8
C561/3	0.7077657	1422	1310	69	16
diagenetic calcite					
C561/Z	0.7071925	239	4020	3	1073

Maldon inlier

Loc. 12, Abingdon

(N18°20'17"; W77°49'20")

C556	*0.7078316*	*650*	*1949*	*218*	*170*
C556/2	*0.7078166*	*1579*	*3227*	*323*	*47*
C559	*0.7078226*	*3809*	*4332*	*779*	*199*
H724	*0.7078196*	*1503*	*972*	*215*	*20*
H724/2	*0.7078245*	*1627*	*1397*	*522*	*33*

Loc. 13, Vaughansfield Formation,

near Vaughansfield (N18°19'58"; W77°48'41")

C578	0.7078276	1360	2284	0	11
C578/2	*0.7078176*	*1405*	*2104*	*511*	*23*
C578/3	0.7078396	1341	1021	53	3
C593	0.7078357	1389	801	16	18
C593/2	0.7078387	N.D.	N.D.	N.D.	N.D.

Marchmont inlier

Loc. 19, Cambridge,

Newton Farm (N18°15'40"; W77°52'56")

H729/1	*0.7078226*	*3178*	*3835*	*205*	*126*
H729/2	*0.7978076*	*4081*	*5219*	*143*	*77*

Loc. 20, Ducketts

(N18°17'56"; W77°54'49")					
C581	0.7078237	1341	1035	151	5
C581/2	*0.7078307*	*1504*	*1318*	*261*	*14*
Loc. 21, Bruce Hall					
(N18°17'32"; W77°54'05")					
C589	*0.7077976*	*1874*	*2673*	*713*	*66*
C590	*0.7077946*	*2148*	*4518*	*1494*	*122*
Loc. 23, near Marchmont					
(N18°15'40"; W77°52'56")					
C582	0.7078306	1460	712	5	7
C582/2	0.7078297	1564	1322	164	16
C582/3	0.7078206	1396	1154	104	9

*Extensions of sample numbers following slashes indicate samples taken from different parts of the same shell.

[†]Sample levels of the Rio Minho section (Central inlier) are rhythms or divisions (Mitchell, 1999).

[§]Data given in italics do not match the criteria for preservation of original Sr isotope ratios as discussed in the text, and have not been used for calculation of numerical ages.