

Table S3**Mo and U data from the ca. 2.2–0.54 Ga carbonates in global shallow oceans****(rarely relative with terrigenous contamination and diagenetic alteration; Th < 0.5 µg/g)**

Sample	Lithology	Section	Member, Fm., Group	Acid for rock dissolution	Age (Ga)	Mo (µg/g)	U (µg/g)	Th (µg/g)	Mo _{EF}	U _{EF}	references
D-1	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	10.8	1.72	0.14	1130	57.9	Tian et al., 2017
D-2	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	6.26	1.51	0.14	652.8	50.8	Tian et al., 2017
BMT-1	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.97	1.55	0.13	108.9	56.2	Tian et al., 2017
BMY-10	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	1.34	0.56	0.21	93.16	12.6	Tian et al., 2017
BMT-9	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.94	0.62	0.1	137.2	29.2	Tian et al., 2017
BMT-8	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	8.12	0.66	0.12	987.9	25.9	Tian et al., 2017
BMT-7	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	7.42	1.58	0.13	833.3	57.2	Tian et al., 2017
BMT-6	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	3.58	0.56	0.03	1742	87.9	Tian et al., 2017
BMT-5	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	13.3	1.19	0.23	841.7	24.4	Tian et al., 2017
BMT-4	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	9.16	0.66	0.06	2229	51.8	Tian et al., 2017
BMT-3	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	4.4	0.65	0.12	535.3	25.5	Tian et al., 2017
BMT-2	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.84	0.83	0.03	408.8	130	Tian et al., 2017
BMT-11	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	1.02	0.34	0.04	372.3	40	Tian et al., 2017
BMT-13	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.3	0.34	0.16	27.38	10	Tian et al., 2017
BMT-14	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.22	0.3	0.04	80.3	35.3	Tian et al., 2017
BMT-15	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.17	0.36	0.03	82.73	56.5	Tian et al., 2017
BMT-16	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.36	2.52	0.21	25.03	56.5	Tian et al., 2017
BMT-17	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.12	4.71	0.04	43.8	555	Tian et al., 2017
S-1	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.34	0.66	0.09	55.16	34.5	Tian et al., 2017
S-2	Dolostone	Yangtze	BMT, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.2	0.36	0.1	29.2	17	Tian et al., 2017
SBT-2	Limestone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.27	2.82	0.24	16.43	55.3	Tian et al., 2017
SBT-3	Limestone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.17	1.33	0.14	17.73	44.7	Tian et al., 2017
SBT-1	Limestone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.14	1.45	0.11	18.58	62.1	Tian et al., 2017
SBT-5	Limestone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.11	0.95	0.03	53.53	149	Tian et al., 2017
SBT-4	Dolostone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.12	0.83	0.03	58.4	130	Tian et al., 2017

SBT-6	Limestone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.07	0.57	0.02	51.1	134	Tian et al., 2017
SBT-7	Limestone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.16	1.06	0.09	25.96	55.5	Tian et al., 2017
SBT-8	Limestone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.27	1.82	0.12	32.85	71.4	Tian et al., 2017
SBT-9	Limestone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.12	0.7	0.32	5.475	10.3	Tian et al., 2017
SBT-10	Limestone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.08	0.98	0.05	23.36	92.3	Tian et al., 2017
SBT-11	Limestone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.16	1.87	0.09	25.96	97.9	Tian et al., 2017
SBT-12	Limestone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.08	1.07	0.05	23.36	101	Tian et al., 2017
SBT-13	Limestone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.19	1.7	0.09	30.82	89	Tian et al., 2017
SBT-14	Limestone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.2	0.75	0.06	48.67	58.9	Tian et al., 2017
S-B-1	Limestone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.29	1.26	0.14	30.24	42.4	Tian et al., 2017
S-B-2	Limestone	Yangtze	STB, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.29	1.39	0.1	42.34	65.5	Tian et al., 2017
S-B-3	Dolostone	Yangtze	HMJ, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.12	0.89	0.08	21.9	52.4	Tian et al., 2017
H-1	Dolostone	Yangtze	HMJ, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.39	0.56	0.39	14.6	6.76	Tian et al., 2017
H-3	Dolostone	Yangtze	HMJ, Dengying Fm.	HF/HNO ₃ /HClO ₄	0.55	0.15	0.31	0.14	15.64	10.4	Tian et al., 2017
TJDST-165	Dolostone	Yangtze	Mb-III, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.59	0.41	0.82	0.21	28.51	18.4	Tian et al., 2017
TJDST-164	Dolostone	Yangtze	Mb-III, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.59	0.09	0.58	0.02	65.7	137	Tian et al., 2017
TJDST-163	Dolostone	Yangtze	Mb-III, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.59	0.18	0.59	0.02	131.4	139	Tian et al., 2017
TJDST-161	Dolostone	Yangtze	Mb-III, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.59	0.31	0.46	0.06	75.43	36.1	Tian et al., 2017
TJDST-160	Dolostone	Yangtze	Mb-III, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.59	0.46	0.84	0.1	67.16	39.6	Tian et al., 2017
TJDST-159	Dolostone	Yangtze	Mb-III, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.59	1.59	1.31	0.09	257.9	68.6	Tian et al., 2017
TJDST-156	Dolostone	Yangtze	Mb-III, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.59	0.58	0.77	0.2	42.34	18.1	Tian et al., 2017
TJDST-154	Dolostone	Yangtze	Mb-III, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.59	0.75	0.39	0.24	45.63	7.65	Tian et al., 2017
TJDST-153	Dolostone	Yangtze	Mb-III, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.59	0.46	0.46	0.34	19.75	6.37	Tian et al., 2017
TJDST-150	Argillaceous dolomite	Yangtze	Mb-III, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.59	0.32	0.26	0.13	35.94	9.42	Tian et al., 2017
TJDST-149	Argillaceous dolomite	Yangtze	Mb-III, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.59	0.47	0.49	0.16	42.89	14.4	Tian et al., 2017
D3-3	Dolostone	Yangtze	Mb-III, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.59	6.33	1.56	0.2	462.1	36.7	Tian et al., 2017
D3-8	Dolostone	Yangtze	Mb-III, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.59	1.24	2.06	0.24	75.43	40.4	Tian et al., 2017
DSY-11	Argillaceous dolomite	Yangtze	Mb-III, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.59	0.25	0.24	0.3	12.17	3.77	Tian et al., 2017
JLW-24	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.52	0.5	0.44	17.26	5.35	Tian et al., 2017
JLW-25	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.23	0.28	0.46	7.3	2.87	Tian et al., 2017

TJDST-145	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.15	0.25	0.46	4.761	2.56	Tian et al., 2017
TJDST-120	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.71	1.01	0.12	86.38	39.6	Tian et al., 2017
TJDST-76	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.35	0.52	0.45	11.36	5.44	Tian et al., 2017
TJDST-71	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.46	0.64	0.35	19.19	8.61	Tian et al., 2017
TJDST-70	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.32	0.78	0.45	10.38	8.16	Tian et al., 2017
TJDST-66	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.43	0.65	0.46	13.65	6.66	Tian et al., 2017
TJDST-56	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.22	0.82	0.48	6.692	8.05	Tian et al., 2017
TJDST-43	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.18	0.44	0.49	5.363	4.23	Tian et al., 2017
TJDST-40	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.17	0.28	0.33	7.521	4	Tian et al., 2017
TJDST-38	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.37	0.44	0.32	16.88	6.48	Tian et al., 2017
TJDST-37	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.19	0.85	0.49	5.661	8.17	Tian et al., 2017
TJDST-36	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.16	0.83	0.38	6.147	10.3	Tian et al., 2017
TJDST-35	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.72	0.72	0.48	21.9	7.07	Tian et al., 2017
TJDST-34	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.64	0.35	0.26	35.94	6.34	Tian et al., 2017
TJDST-31	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.42	0.24	0.26	23.59	4.35	Tian et al., 2017
TJDST-28	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.67	0.35	0.5	19.56	3.3	Tian et al., 2017
TJDST-16	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.14	0.2	0.1	20.44	9.42	Tian et al., 2017
TJDST-13	Muddy dolostone	Yangtze	Mb-II, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.61	0.13	0.12	0.5	3.796	1.13	Tian et al., 2017
TJDST-6	Muddy dolostone	Yangtze	Mb-I, Doushantuo Fm.	HF/HNO ₃ /HClO ₄	0.64	0.07	0.18	0.46	2.222	1.84	Tian et al., 2017
AQ-L1-1	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.02	0.48	0.01	37.06	388	Hood and Wallace, 2015
AQ-L1-4	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.02	0.24	0	576.9	2768	Hood and Wallace, 2015
Z10-L7-4	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.05	0.22	0	1123	1489	Hood and Wallace, 2015
Z10-L7-5	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.02	0.16	0	52.47	186	Hood and Wallace, 2015
Z10-L7-6	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.01	0.06	0	32.53	72	Hood and Wallace, 2015
Z10-L8-2	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.06	0.33	0	353.8	622	Hood and Wallace, 2015
Z10-L8-3	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.03	0.31	0	3280	9608	Hood and Wallace, 2015
Z10-L8-4	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.02	0.21	N.D.	N.D.	N.D.	Hood and Wallace, 2015
Z10-L8-5	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0	0.01	N.D.	N.D.	N.D.	Hood and Wallace, 2015
Z10-L8-6	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0	0.01	N.D.	N.D.	N.D.	Hood and Wallace, 2015
Z2_4	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.03	0.25	0.01	75.92	231	Hood and Wallace, 2015
Z4_1	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.02	0.22	0	167.8	646	Hood and Wallace, 2015

Z4_10	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.08	0.44	0	1423	2617	Hood and Wallace, 2015
Z4_2	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.04	1.08	0	3718	####	Hood and Wallace, 2015
Z4_3	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.03	2.37	0	223.1	6342	Hood and Wallace, 2015
Z4_4	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.07	0.22	0	646.8	645	Hood and Wallace, 2015
Z4_5	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.2	1.35	N.D.	N.D.	N.D.	Hood and Wallace, 2015
Z4_9	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.04	0.24	0	533.3	921	Hood and Wallace, 2015
Z4-L11-1	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.03	0.84	0.01	86.32	694	Hood and Wallace, 2015
Z4-L11-5	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.04	0.28	####	7655	####	Hood and Wallace, 2015
Z4-L11-6	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.04	0.22	0	5256	####	Hood and Wallace, 2015
Z4-L11-7	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.05	0.23	0	2087	2924	Hood and Wallace, 2015
Q-L2-1	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.01	0.54	0.01	14.43	293	Hood and Wallace, 2015
Q-L2-3	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.04	1.54	0.01	63.59	806	Hood and Wallace, 2015
U2-L6-1	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.01	0.06	0	130.9	459	Hood and Wallace, 2015
U2-L6-2	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.01	0.06	0	25.22	92.5	Hood and Wallace, 2015
U2-L6-3	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.01	0.07	0	123.3	378	Hood and Wallace, 2015
U2-L6-4	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.01	0.05	0.01	32.11	53.2	Hood and Wallace, 2015
U2-L6-5	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0	0.02	0.01	11.39	19.3	Hood and Wallace, 2015
U2-L6-6	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0	0.02	0	14.96	30.7	Hood and Wallace, 2015
U4_3	Cement	Southern Australia	Balcanoona Fm.	-	0.65	N.D.	0.1	0		686	Hood and Wallace, 2015
U4_4	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0	0.03	0.01	4.132	22	Hood and Wallace, 2015
U4_5	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.01	0.03	0.01	33.15	25.9	Hood and Wallace, 2015
U4_6	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0	0.01	0	7.834	14.6	Hood and Wallace, 2015
U5-L10-2	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0	0.07	0	6.779	102	Hood and Wallace, 2015
U5-L10-3	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.01	0.35	0.01	14.79	304	Hood and Wallace, 2015
U5-L10-4	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.02	0.11	0.01	40.53	79.8	Hood and Wallace, 2015
U5-L10-5	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0	0.56	0	31.94	1648	Hood and Wallace, 2015
U5-L10-6	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0	0.08	0	50.25	911	Hood and Wallace, 2015
U5-L10-7	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0	0.04	0	22.52	105	Hood and Wallace, 2015
U5-L10-8	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.01	0.05	0.01	15.77	39.1	Hood and Wallace, 2015
U5-L10-9	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.01	0.04	0	18.6	53.9	Hood and Wallace, 2015
KMC_1	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0	0.11	0.01	4.816	52.2	Hood and Wallace, 2015
KMC_3	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.07	0.11	0.01	109.1	58.3	Hood and Wallace, 2015
KMC2-L9-2	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0	0.16	0.01	2.409	94.8	Hood and Wallace, 2015

KMC2-L9-3	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0	0.16	0.01	6.235	131	Hood and Wallace, 2015
KMC2-L9-4	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0	0.11	0.01	11.14	105	Hood and Wallace, 2015
KMC2-L9-5	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0	0.22	0.01	12.63	229	Hood and Wallace, 2015
U3-L5-2	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.07	0.18	0.01	172	143	Hood and Wallace, 2015
U3-L5-5	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.09	0.16	0.01	175.8	104	Hood and Wallace, 2015
U3-L5-6	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.04	0.11	0.01	62.85	63.8	Hood and Wallace, 2015
U3-L5-7	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.09	0.14	0.01	167.2	84.4	Hood and Wallace, 2015
U3-L5-8	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.01	0.13	0	49.4	150	Hood and Wallace, 2015
U3-L5a-3	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.1	0.19	0.01	143.7	92.2	Hood and Wallace, 2015
U3-L5a-5	Cement	Southern Australia	Balcanoona Fm.	-	0.65	0.13	0.1	0	572.3	142	Hood and Wallace, 2015
AQ-M3-6	Micrite	Southern Australia	Balcanoona Fm.	-	0.65	0.03	0.14	0.17	2.444	3.88	Hood and Wallace, 2015
U3-M1-4	Micrite	Southern Australia	Balcanoona Fm.	-	0.65	0.03	0.22	0.27	1.767	3.93	Hood and Wallace, 2015
U3-M1-5	Micrite	Southern Australia	Balcanoona Fm.	-	0.65	0.03	0.18	0.23	1.595	3.71	Hood and Wallace, 2015
U3-M1-6	Micrite	Southern Australia	Balcanoona Fm.	-	0.65	0.03	0.16	0.22	1.719	3.39	Hood and Wallace, 2015
AQ-M3-1	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.03	0.23	0.1	4.709	10.7	Hood and Wallace, 2015
AQ-M3-2	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.03	0.21	0.1	3.703	10	Hood and Wallace, 2015
AQ-M3-3	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.01	0.2	0.1	1.733	9.81	Hood and Wallace, 2015
AQ-M3-4	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.02	0.2	0.11	3.349	8.81	Hood and Wallace, 2015
AQ-M3-5	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.01	0.22	0.1	2.008	10.2	Hood and Wallace, 2015
AQ-M3-7	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.02	0.23	0.1	2.315	10.7	Hood and Wallace, 2015
Z10-M8-1	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.01	0.1	0.02	9.733	31.9	Hood and Wallace, 2015
Z10-M8-2	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.06	0.34	0.28	3.014	5.79	Hood and Wallace, 2015
Z10-M8-3	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.04	0.23	0.03	18.87	35.1	Hood and Wallace, 2015
U3-M2-1	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.02	0.18	0.44	0.748	1.91	Hood and Wallace, 2015
U3-M2-3	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.03	0.17	0.28	1.799	2.9	Hood and Wallace, 2015
U3-M2-4	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.02	0.1	0.09	3.218	5.64	Hood and Wallace, 2015
U3-M2-4	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.03	0.13	0.18	2.08	3.49	Hood and Wallace, 2015
KMC2-M6-1	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.05	0.24	0.31	2.319	3.67	Hood and Wallace, 2015
KMC2-M6-2	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.05	0.23	0.3	2.606	3.65	Hood and Wallace, 2015
KMC2-M6-3	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.06	0.25	0.33	2.754	3.55	Hood and Wallace, 2015
KMC2-M6-4	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.05	0.28	0.32	2.507	4.22	Hood and Wallace, 2015
KMC2-M6-5	Microbialite	Southern Australia	Balcanoona Fm.	-	0.65	0.05	0.17	0.2	3.756	4.03	Hood and Wallace, 2015
Mc	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.09	0.04	N.D.	10.5	Shuster et al., 2018

EMR-1 C	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.21	0	N.D.	497	Shuster et al., 2018
EMR-1 C_1	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.13	0.01	N.D.	63.1	Shuster et al., 2018
EMR-1 C_2	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.12	0.01	N.D.	48.7	Shuster et al., 2018
EMR-1 C_3	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.1	0.01	N.D.	59.5	Shuster et al., 2018
EMR-1 C_4	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.12	0.01	N.D.	56	Shuster et al., 2018
EMR-1 A_2	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.13	0.01	N.D.	77.1	Shuster et al., 2018
EMR-1 A_3	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.2	0	N.D.	311	Shuster et al., 2018
EMR-1 A_4	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.09	0	N.D.	217	Shuster et al., 2018
EMR-1 A_5	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.13	0	N.D.	150	Shuster et al., 2018
EMR-1 A_6	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.41	0.01	N.D.	274	Shuster et al., 2018
EMR-1 B_2	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.09	0.01	N.D.	41.4	Shuster et al., 2018
EMR-1 B_3	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.08	0	N.D.	118	Shuster et al., 2018
EMR-1 B_4	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.06	N.D.	N.D.	N.D.	Shuster et al., 2018
EMR-1 B_5	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.42	N.D.	N.D.	N.D.	Shuster et al., 2018
EMR-1 B_6	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.2	0.01	N.D.	137	Shuster et al., 2018
EMR-1_3	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.11	0.01	N.D.	50.9	Shuster et al., 2018
EMR-1_4	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.13	0.01	N.D.	62.6	Shuster et al., 2018
EMR-1_5	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.06	0	N.D.	146	Shuster et al., 2018
EMR-1_6	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.08	0	N.D.	127	Shuster et al., 2018
EMR-1_7	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.1	N.D.	N.D.	N.D.	Shuster et al., 2018
EMR-1_8	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.29	0.03	N.D.	50.9	Shuster et al., 2018
Mc_1	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.99	0	N.D.	2338	Shuster et al., 2018
Mc_4	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.04	0.01	N.D.	29.6	Shuster et al., 2018
EMR-1_1c	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.24	0.01	N.D.	113	Shuster et al., 2018
EMR-1_2c	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.21	0.01	N.D.	141	Shuster et al., 2018
EMR-1_3c	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.11	0	N.D.	170	Shuster et al., 2018
EMR-1_4c	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.15	0.01	N.D.	102	Shuster et al., 2018
EMR-1_5c	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.09	0.01	N.D.	73	Shuster et al., 2018
EMR-1A_1m	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.32	0.39	N.D.	3.79	Shuster et al., 2018
EMR-1A_2m	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.17	0.11	N.D.	7.17	Shuster et al., 2018
EMR-1A_3c	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.23	0.01	N.D.	184	Shuster et al., 2018
EMR-1A_4c	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.1	0	N.D.	155	Shuster et al., 2018
EMR-1A_5c	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.07	0	N.D.	344	Shuster et al., 2018

EMR-1A_6c	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.07	0	N.D.	167	Shuster et al., 2018
EMR-1A_7c	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.5	0	N.D.	1175	Shuster et al., 2018
EMR-1A_8c	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.06	N.D.	N.D.	N.D.	Shuster et al., 2018
SS_3_1	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.27	N.D.	N.D.	N.D.	Shuster et al., 2018
SS_3_2	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.61	N.D.	N.D.	N.D.	Shuster et al., 2018
SS_3_3	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.38	N.D.	N.D.	N.D.	Shuster et al., 2018
SS_3_4	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.33	N.D.	N.D.	N.D.	Shuster et al., 2018
SS_3_5	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	1.01	N.D.	N.D.	N.D.	Shuster et al., 2018
SS_3_6	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.16	N.D.	N.D.	N.D.	Shuster et al., 2018
SS_3_7	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.2	0.06	N.D.	15.1	Shuster et al., 2018
SS_3_8	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.26	N.D.	N.D.	N.D.	Shuster et al., 2018
SS_3_9	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.26	N.D.	N.D.	N.D.	Shuster et al., 2018
SS_3_10	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.39	N.D.	N.D.	N.D.	Shuster et al., 2018
SW_1_1	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.11	N.D.	N.D.	N.D.	Shuster et al., 2018
SW_1_2	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.21	0.17	N.D.	5.71	Shuster et al., 2018
SW_1_3	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.06	N.D.	N.D.	N.D.	Shuster et al., 2018
SW_1_4	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.23	0.17	N.D.	6.35	Shuster et al., 2018
SW_1_5	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.07	N.D.	N.D.	N.D.	Shuster et al., 2018
SW_1_6	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.09	N.D.	N.D.	N.D.	Shuster et al., 2018
SW_1_7	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.13	N.D.	N.D.	N.D.	Shuster et al., 2018
SW_1_8	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.06	N.D.	N.D.	N.D.	Shuster et al., 2018
SW_1_9	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	1.29	0.16	N.D.	39.1	Shuster et al., 2018
SW_1_10	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.		N.D.	N.D.	N.D.	Shuster et al., 2018
AH_2_1	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.83	0.16	N.D.	24.7	Shuster et al., 2018
AH_2_2	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.74	0.1	N.D.	35.1	Shuster et al., 2018
AH_2_3	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.73	N.D.	N.D.	N.D.	Shuster et al., 2018
AH_2_4	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.72	N.D.	N.D.	N.D.	Shuster et al., 2018
AH_2_5	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	1.07	0.15	N.D.	34.2	Shuster et al., 2018
AH_2_6	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.13	N.D.	N.D.	N.D.	Shuster et al., 2018
AH_2_7	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.15	N.D.	N.D.	N.D.	Shuster et al., 2018
AH_2_8	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.1	N.D.	N.D.	N.D.	Shuster et al., 2018
AH_2_9	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.	0.24	N.D.	N.D.	N.D.	Shuster et al., 2018
AH_2_10	Dolostone	Death Valley region, USA	Beck Spring Dolomite	-	0.74	N.D.		N.D.	N.D.	N.D.	Shuster et al., 2018

SW-77	Dolostone	Yangtze	Wagangxi Fm	HNO ₃	1.12	0.02	0.28	0.13	2.317	10.5	Zou et al., 2019
SW-74	Dolostone	Yangtze	Wagangxi Fm	HNO ₃	1.12	0.04	0.11	0.09	6.489	5.76	Zou et al., 2019
SW-72	Dolostone	Yangtze	Wagangxi Fm	HNO ₃	1.12	0.42	0.2	0.44	14.06	2.16	Zou et al., 2019
SW-44	Dolostone	Yangtze	Wagangxi Fm	HNO ₃	1.12	0.04	0.13	0.46	1.284	1.35	Zou et al., 2019
SW-31	Dolostone	Yangtze	Wagangxi Fm	HNO ₃	1.12	0.02	0.14	0.38	0.775	1.75	Zou et al., 2019
GS-1062-4	Dolostone	Yangtze	Shicaohe Fm	HNO ₃	1.18	0.62	0.16	0.29	31.65	2.64	Zou et al., 2019
GS-1051	Dolostone	Yangtze	Shicaohe Fm	HNO ₃	1.18	2.1	0.12	0.34	89.65	1.65	Zou et al., 2019
TW-305	Dolostone	Yangtze	Wenshuihe Fm	HNO ₃	1.19	0.02	0.09	0.29	1.021	1.48	Zou et al., 2019
TW-286	Dolostone	Yangtze	Wenshuihe Fm	HNO ₃	1.19	0.01	0.32	0.1	1.475	15.2	Zou et al., 2019
TW-272	Dolostone	Yangtze	Wenshuihe Fm	HNO ₃	1.19	0.01	0.12	0.02	7.3	28.3	Zou et al., 2019
TW-233	Dolostone	Yangtze	Wenshuihe Fm	HNO ₃	1.19	N.D.	0.07	0.41	N.D.	0.8	Zou et al., 2019
TW-197	Dolostone	Yangtze	Wenshuihe Fm	HNO ₃	1.19	0.02	0.18	0.01	32.44	94.2	Zou et al., 2019
TW-193	Dolostone	Yangtze	Wenshuihe Fm	HNO ₃	1.19	0.32	0.14	0.42	11.2	1.58	Zou et al., 2019
TW-189	Dolostone	Yangtze	Wenshuihe Fm	HNO ₃	1.19	0.01	0.03	0.44	0.33	0.32	Zou et al., 2019
TY-186	Dolostone	Yangtze	Yemahe Fm	HNO ₃	1.2	0.01	0.19	0.01	11.23	68.8	Zou et al., 2019
TY-180	Dolostone	Yangtze	Yemahe Fm	HNO ₃	1.2	0.07	0.18	0.01	73	60.6	Zou et al., 2019
TY-173	Dolostone	Yangtze	Yemahe Fm	HNO ₃	1.2	0.7	0.17	0.04	268.9	21.1	Zou et al., 2019
TY-169	Dolostone	Yangtze	Yemahe Fm	HNO ₃	1.2	0.19	0.26	0.04	64.51	28.5	Zou et al., 2019
TY-156	Dolostone	Yangtze	Yemahe Fm	HNO ₃	1.2	N.D.	0.16	0.13	N.D.	5.75	Zou et al., 2019
TY-146	Dolostone	Yangtze	Yemahe Fm	HNO ₃	1.2	0.02	0.12	0.5	0.59	1.14	Zou et al., 2019
TY-120	Dolostone	Yangtze	Yemahe Fm	HNO ₃	1.2	0.03	0.11	0.27	1.647	1.95	Zou et al., 2019
TY-111	Dolostone	Yangtze	Yemahe Fm	HNO ₃	1.2	0.1	0.1	0.19	7.849	2.53	Zou et al., 2019
TY-102	Dolostone	Yangtze	Yemahe Fm	HNO ₃	1.2	0.29	0.35	0.12	34.71	13.5	Zou et al., 2019
TY-84	Dolostone	Yangtze	Yemahe Fm	HNO ₃	1.2	0.03	0.35	0.09	4.867	18.3	Zou et al., 2019
TY-68	Dolostone	Yangtze	Yemahe Fm	HNO ₃	1.2	0.02	0.35	0.43	0.677	3.83	Zou et al., 2019
TY-51	Dolostone	Yangtze	Yemahe Fm	HNO ₃	1.2	1.17	0.17	0	4271	200	Zou et al., 2019
TY-40	Dolostone	Yangtze	Yemahe Fm	HNO ₃	1.2	0.03	0.39	0.01	33.69	141	Zou et al., 2019
TY-37	Dolostone	Yangtze	Yemahe Fm	HNO ₃	1.2	0.03	0.32	0.01	39.82	137	Zou et al., 2019
TT-15	Dolostone	Yangtze	Taizi Fm	HNO ₃	1.22	0.06	1.31	0.04	24.33	171	Zou et al., 2019
TT-10	Dolostone	Yangtze	Taizi Fm	HNO ₃	1.22	0.1	1.37	0.03	54.07	239	Zou et al., 2019

SK-3199	Dolostone	Yangtze	Kuangshishan Fm	HNO ₃	1.22	0.01	0.69	0.18	0.811	18.1	Zou et al., 2019
SK-3180	Dolostone	Yangtze	Kuangshishan Fm	HNO ₃	1.22	0.01	0.26	0.04	3.318	27.8	Zou et al., 2019
SK-3163	Dolostone	Yangtze	Kuangshishan Fm	HNO ₃	1.22	0.01	0.56	0.07	2.116	38.2	Zou et al., 2019
SK-3148	Dolostone	Yangtze	Kuangshishan Fm	HNO ₃	1.22	0.01	0.35	0.04	3.318	37.5	Zou et al., 2019
SK-3123	Dolostone	Yangtze	Kuangshishan Fm	HNO ₃	1.22	0.01	0.56	0.03	5.034	90.9	Zou et al., 2019
SD-3049	Dolostone	Yangtze	Dawokeng Fm	HNO ₃	1.24	0.01	0.35	0.05	3.106	35.1	Zou et al., 2019
SD-3032	Dolostone	Yangtze	Dawokeng Fm	HNO ₃	1.24	0.02	0.31	0.41	0.717	3.59	Zou et al., 2019
SL-2063	Dolostone	Yangtze	Luanshigou Fm	HNO ₃	1.26	0.04	0.09	0.2	2.98	2.16	Zou et al., 2019
SL-2013	Dolostone	Yangtze	Luanshigou Fm	HNO ₃	1.26	0.02	0.24	0.12	2.539	9.83	Zou et al., 2019
SL-1340	Dolostone	Yangtze	Luanshigou Fm	HNO ₃	1.26	0.04	0.15	0.48	1.214	1.47	Zou et al., 2019
SL-1183	Dolostone	Yangtze	Luanshigou Fm	HNO ₃	1.26	0.08	0.09	0.06	18.25	6.62	Zou et al., 2019
SL-1154	Dolostone	Yangtze	Luanshigou Fm	HNO ₃	1.26	0.2	0.06	0.12	24.75	2.4	Zou et al., 2019
SL-1140	Dolostone	Yangtze	Luanshigou Fm	HNO ₃	1.26	0.35	0.05	0.17	30.24	1.39	Zou et al., 2019
SL-1116	Dolostone	Yangtze	Luanshigou Fm	HNO ₃	1.26	0.09	0.06	0.3	4.424	0.95	Zou et al., 2019
SL-1088	Dolostone	Yangtze	Luanshigou Fm	HNO ₃	1.26	0.13	0.1	0.21	9.259	2.3	Zou et al., 2019
SL-1066	Dolostone	Yangtze	Luanshigou Fm	HNO ₃	1.26	0.15	0.05	0.18	11.97	1.29	Zou et al., 2019
SL-1034	Dolostone	Yangtze	Luanshigou Fm	HNO ₃	1.26	0.06	0.09	0.09	9.843	4.76	Zou et al., 2019
MD-2099	Dolostone	Yangtze	Dayanping Fm	HNO ₃	1.28	0.02	0.35	0.3	0.973	5.5	Zou et al., 2019
MY-3104	Dolostone	Yangtze	Yingwodong Fm	HNO ₃	1.3	0.1	3.84	0.41	3.561	44.1	Zou et al., 2019
MY-3095	Dolostone	Yangtze	Yingwodong Fm	HNO ₃	1.3	0.01	0.21	0.03	5.84	39.6	Zou et al., 2019
MY-3065	Dolostone	Yangtze	Yingwodong Fm	HNO ₃	1.3	1.86	0.06	0.28	98.39	1.02	Zou et al., 2019
MY-3055	Dolostone	Yangtze	Yingwodong Fm	HNO ₃	1.3	0.01	0.15	0.38	0.381	1.85	Zou et al., 2019
MY-3030	Dolostone	Yangtze	Yingwodong Fm	HNO ₃	1.3	0.25	0.17	0.14	25.52	5.6	Zou et al., 2019
MY-3025	Dolostone	Yangtze	Yingwodong Fm	HNO ₃	1.3	0.02	0.29	0.05	5.407	25.3	Zou et al., 2019
MY-3017	Dolostone	Yangtze	Yingwodong Fm	HNO ₃	1.3	0.02	0.26	0.16	1.791	7.51	Zou et al., 2019
1005-B1	Dolostone	North China	Member-III, Wumishan Fm.	HF/HNO ₃	1.46	0.07	0.07	0.02	47.78	15.4	Tang et al., 2016
1005-B4	Dolostone	North China	Member-III, Wumishan Fm.	HF/HNO ₃	1.46	0.05	0.09	0.05	17.52	9.32	Tang et al., 2016
1005-B5	Dolostone	North China	Member-III, Wumishan Fm.	HF/HNO ₃	1.46	0.03	0.09	0.03	13.23	13.5	Tang et al., 2016
1005-B6	Dolostone	North China	Member-III, Wumishan Fm.	HF/HNO ₃	1.46	0.08	0.57	0.07	16.86	37.5	Tang et al., 2016
1005-B7	Dolostone	North China	Member-III, Wumishan Fm.	HF/HNO ₃	1.46	0.2	0.18	0.08	38.42	11	Tang et al., 2016

1005-B8	Dolostone	North China	Member-III, Wumishan Fm.	HF/HNO ₃	1.46	0.06	0.12	0.03	27.79	18.1	Tang et al., 2016
1009YSP-5	Dolostone	North China	Member-III, Wumishan Fm.	HF/HNO ₃	1.46	0.03	0.08	0.04	9.847	8.76	Tang et al., 2016
10ZK-101A-1	Dolostone	North China	Member-III, Wumishan Fm.	HF/HNO ₃	1.46	0.12	0.31	0.03	54.75	44.9	Tang et al., 2016
10ZK-103B-1	Dolostone	North China	Member-III, Wumishan Fm.	HF/HNO ₃	1.46	0.17	0.26	0.07	38.19	18.5	Tang et al., 2016
10ZK-106A-1	Dolostone	North China	Member-III, Wumishan Fm.	HF/HNO ₃	1.46	0.13	0.16	0.04	48.91	18.5	Tang et al., 2016
10ZK-110C-1	Dolostone	North China	Member-III, Wumishan Fm.	HF/HNO ₃	1.46	0.11	0.33	0.08	20.64	20.7	Tang et al., 2016
10ZK-114A-1	Dolostone	North China	Member-III, Wumishan Fm.	HF/HNO ₃	1.46	0.08	0.19	0.02	64.08	50.5	Tang et al., 2016
10ZK-117A-1	Dolostone	North China	Member-III, Wumishan Fm.	HF/HNO ₃	1.46	0.1	0.33	0.02	93.08	96.5	Tang et al., 2016
10ZK-122B-1	Dolostone	North China	Member-III, Wumishan Fm.	HF/HNO ₃	1.46	0.15	0.45	0.12	19.09	18.2	Tang et al., 2016
1009YSP-12	Dolostone	North China	Member-II, Wumishan Fm.	HF/HNO ₃	1.48	0.05	0.25	0.04	19.84	30.7	Tang et al., 2016
1009YSP-2(1)	Dolostone	North China	Member-II, Wumishan Fm.	HF/HNO ₃	1.48	0.01	0.07	0.04	4.867	8.77	Tang et al., 2016
1009YSP-3	Dolostone	North China	Member-II, Wumishan Fm.	HF/HNO ₃	1.48	0.01	0.06	0.05	1.553	6.11	Tang et al., 2016
10SED-7	Dolostone	North China	Member-II, Wumishan Fm.	HF/HNO ₃	1.48	0.02	0.1	0.05	5.256	9.8	Tang et al., 2016
13YSP-5-1	Dolostone	North China	Member-II, Wumishan Fm.	acetic acid	1.48	N.D.	0.08	0.04	N.D.	8.46	Tang et al., 2016
13YSP-5-2	Dolostone	North China	Member-II, Wumishan Fm.	acetic acid	1.48	N.D.	0.2	0.05	N.D.	18	Tang et al., 2016
13YSP-5-3	Dolostone	North China	Member-II, Wumishan Fm.	acetic acid	1.48	N.D.	0.12	0.04	N.D.	13.7	Tang et al., 2016
D02-10-1	Dolostone	North China	Member-II, Wumishan Fm.	HF/HNO ₃	1.48	0.07	0.1	0.08	12.05	5.65	Tang et al., 2016
D02-11-1	Dolostone	North China	Member-II, Wumishan Fm.	HF/HNO ₃	1.48	0.07	0.11	0.05	21.12	10.6	Tang et al., 2016
D02-14-1	Dolostone	North China	Member-II, Wumishan Fm.	HF/HNO ₃	1.48	0.06	0.16	0.14	6.441	5.37	Tang et al., 2016
D02-33a-1	Dolostone	North China	Member-II, Wumishan Fm.	HF/HNO ₃	1.48	0.04	0.06	0.03	20.44	8.95	Tang et al., 2016
D02-9-1	Dolostone	North China	Member-II, Wumishan Fm.	HF/HNO ₃	1.48	0.09	0.21	0.1	12.72	9.56	Tang et al., 2016
Y-28	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.23	0.23	0.62	5.489	1.75	this study
Y-27	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.22	0.21	0.49	6.444	2	this study
Y-24	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.47	0.21	0.33	20.56	3.01	this study
Y-23	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.22	0.18	0.48	6.578	1.79	this study
Y-22	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.26	0.21	0.34	11.24	2.94	this study
Y-21	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.29	0.17	0.2	21.07	4.05	this study
Y-20	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.28	0.21	0.36	11.33	2.71	this study
Y-19	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.64	0.18	0.35	27.02	2.38	this study
Y-18	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.32	0.23	0.4	12	2.75	this study
Y-17	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.27	0.2	0.31	12.62	2.94	this study

Y-16	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.3	0.23	0.39	11.3	2.75	this study
Y-15	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.28	0.21	0.49	8.348	2.04	this study
Y-14	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.23	0.24	0.51	6.683	2.17	this study
Y-13	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.29	0.26	0.66	6.455	1.85	this study
Y-12	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.3	0.32	0.63	6.871	2.37	this study
Y-11	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.23	0.21	0.52	6.408	1.94	this study
Y-10	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.28	0.21	0.33	12.53	3	this study
Y-9	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.21	0.2	0.46	6.702	2.04	this study
Y-8	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.3	0.19	0.7	6.169	1.26	this study
Y-7	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.36	0.22	0.59	8.929	1.72	this study
Y-6	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.35	0.23	0.52	9.743	2.06	this study
Y-5	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.26	0.21	0.49	7.75	1.97	this study
Y-4	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.29	0.17	0.24	17.84	3.22	this study
Y-3	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.27	0.22	0.61	6.565	1.71	this study
Y-1	Dolostone	North China	Yangzhuang Fm.	acetic acid	1.5	0.25	0.18	0.5	7.403	1.71	this study
DCW11-36	Dolostone	Yangtze	The Luzhijiang Fm.	acetic acid	1.5	0.02	1.71	0.24	1.502	34.3	Wang et al., 2018
DCW11-37	Dolostone	Yangtze	The Luzhijiang Fm.	acetic acid	1.5	0	1.04	0.15	0.036	32.5	Wang et al., 2018
DCW11-38	Dolostone	Yangtze	The Luzhijiang Fm.	acetic acid	1.5	0.02	1.01	0.32	1.077	14.8	Wang et al., 2018
DCW11-39	Dolostone	Yangtze	The Luzhijiang Fm.	acetic acid	1.5	0.01	0.13	0.15	1.116	4.22	Wang et al., 2018
10YQ-D05-1-2	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	2.29	0.03	0.02	1857	7.85	Tang et al., 2016
10YQ-D05-1-3	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	0.91	0.07	0	3322	76.5	Tang et al., 2016
10YQ-D05-1-4	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	0.03	0.01	0	204.4	30.6	Tang et al., 2016
10YQ-D07-2-1	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	0.46	0.04	0.02	451.6	12.9	Tang et al., 2016
10YQ-D07-2-2	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	0.15	0.1	0.09	23.68	5.08	Tang et al., 2016
10YQ-D07-4-1	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	0.03	0.03	0.01	34.41	11.4	Tang et al., 2016
10YQ-D07-4-3	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	N.D.	0.01	0	N.D.	10.6	Tang et al., 2016
10YQ-D07-4-4	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	0.06	0.03	0.01	84.68	16	Tang et al., 2016
10YQ-D07-4-5	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	0.21	0.14	0.09	34.33	7.04	Tang et al., 2016
No-11	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	0.14	0.06	0.19	10.76	1.49	Tang et al., 2016
No-13	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	0.12	0.06	0.17	10.31	1.66	Tang et al., 2016
No-14	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	0.19	0.08	0.19	14.6	1.98	Tang et al., 2016

No-2	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	0.16	0.04	0.01	233.6	18.8	Tang et al., 2016
No-4	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	0.42	0.39	0.01	613.2	184	Tang et al., 2016
No-8	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	1.77	0.28	0.01	2584	132	Tang et al., 2016
No-9	Dolostone	North China	Member-IV, Gaoyuzhuang Fm.	HF/HNO ₃	1.54	0.43	0.28	0.01	627.8	132	Tang et al., 2016
14GG-104.2	Dolostone	North China	Member-III, Gaoyuzhuang Fm.	acetic acid	1.56	N.D.	0.04	0.18	N.D.	1.14	Tang et al., 2016
14GG-104.7-1	Dolostone	North China	Member-III, Gaoyuzhuang Fm.	acetic acid	1.56	0.05	0.15	0.35	2.052	2.04	Tang et al., 2016
14GG-105.0-3	Dolostone	North China	Member-III, Gaoyuzhuang Fm.	acetic acid	1.56	0.1	0.15	0.5	3.044	1.41	Tang et al., 2016
14GG-108.5	Dolostone	North China	Member-III, Gaoyuzhuang Fm.	acetic acid	1.56	0.06	0.25	0.37	2.518	3.1	Tang et al., 2016
14GG-111.0-1	Dolostone	North China	Member-III, Gaoyuzhuang Fm.	acetic acid	1.56	0.04	0.21	0.44	1.167	2.22	Tang et al., 2016
14GG-113.4-2	Dolostone	North China	Member-III, Gaoyuzhuang Fm.	acetic acid	1.56	0.18	0.12	0.42	6.266	1.29	Tang et al., 2016
14GG-117.0	Dolostone	North China	Member-III, Gaoyuzhuang Fm.	acetic acid	1.56	0.28	0.3	0.41	10.14	3.53	Tang et al., 2016
14GG-119.6	Dolostone	North China	Member-III, Gaoyuzhuang Fm.	acetic acid	1.56	0.09	0.11	0.1	13.92	5.42	Tang et al., 2016
14GG-94.0-1	Dolostone	North China	Member-III, Gaoyuzhuang Fm.	acetic acid	1.56	0.23	0.1	0.2	17.37	2.29	Tang et al., 2016
14GG-94.0-2	Dolostone	North China	Member-III, Gaoyuzhuang Fm.	acetic acid	1.56	0.39	0.11	0.2	29.4	2.59	Tang et al., 2016
14GG-95.6-1	Dolostone	North China	Member-III, Gaoyuzhuang Fm.	acetic acid	1.56	N.D.	0.11	0.22	N.D.	2.35	Tang et al., 2016
14GG-97.2	Dolostone	North China	Member-III, Gaoyuzhuang Fm.	acetic acid	1.56	0.22	0.11	0.31	10.33	1.64	Tang et al., 2016
DCW11-01	Dolostone	Yangtze	The upper Luoxue Fm.	acetic acid	1.6	0.01	0.35	0.3	0.418	5.5	Wang et al., 2018
DCW11-02	Dolostone	Yangtze	The upper Luoxue Fm.	acetic acid	1.6	0.02	0.35	0.35	0.806	4.79	Wang et al., 2018
DCW11-03	Dolostone	Yangtze	The upper Luoxue Fm.	acetic acid	1.6	0.02	0.27	0.16	1.614	8.12	Wang et al., 2018
DCW11-04	Dolostone	Yangtze	The upper Luoxue Fm.	acetic acid	1.6	0.02	0.16	0.41	0.697	1.78	Wang et al., 2018
DCW11-06	Dolostone	Yangtze	The upper Luoxue Fm.	acetic acid	1.6	0.47	0.17	0.22	31.64	3.7	Wang et al., 2018
DCW11-07	Dolostone	Yangtze	The upper Luoxue Fm.	acetic acid	1.6	0.06	0.2	0.24	3.724	3.82	Wang et al., 2018
DCW11-08	Dolostone	Yangtze	The upper Luoxue Fm.	acetic acid	1.6	0.03	0.23	0.19	2.123	5.78	Wang et al., 2018
DCW11-56	Dolostone	Yangtze	The upper Luoxue Fm.	acetic acid	1.6	0.05	0.2	0.16	4.745	5.98	Wang et al., 2018
DCW11-58	Dolostone	Yangtze	The upper Luoxue Fm.	acetic acid	1.6	N.D.	0.28	0.19	N.D.	6.94	Wang et al., 2018
KH18	Dolostone	Dharwar Craton	Vempalle I	HF/HNO ₃	1.9	N.D.	0.5	0.04	N.D.	58.9	Khelen et al., 2017
KH19	Dolostone	Dharwar Craton	Vempalle I	HF/HNO ₃	1.9	N.D.	0.38	0.09	N.D.	20.8	Khelen et al., 2017
KH20B	Dolostone	Dharwar Craton	Vempalle I	HF/HNO ₃	1.9	N.D.	0.28	0.09	N.D.	14.9	Khelen et al., 2017
KH21B	Dolostone	Dharwar Craton	Vempalle I	HF/HNO ₃	1.9	N.D.	0.58	0.14	N.D.	19.5	Khelen et al., 2017
KH23	Dolostone	Dharwar Craton	Vempalle I	HF/HNO ₃	1.9	N.D.	0.14	0.03	N.D.	22	Khelen et al., 2017
KH24	Dolostone	Dharwar Craton	Vempalle I	HF/HNO ₃	1.9	N.D.	0.32	0.12	N.D.	12.6	Khelen et al., 2017
KH32	Dolostone	Dharwar Craton	Vempalle II	HF/HNO ₃	1.9	N.D.	0.26	0.11	N.D.	11.1	Khelen et al., 2017

KH33	Dolostone	Dharwar Craton	Vempalle II	HF/HNO ₃	1.9	N.D.	0.33	0.18	N.D.	8.63	Khelen et al., 2017
KH34	Dolostone	Dharwar Craton	Vempalle II	HF/HNO ₃	1.9	N.D.	0.3	0.11	N.D.	12.8	Khelen et al., 2017
KH38	Dolostone	Dharwar Craton	Vempalle II	HF/HNO ₃	1.9	N.D.	0.47	0.49	N.D.	4.52	Khelen et al., 2017
KH41	Dolostone	Dharwar Craton	Vempalle III	HF/HNO ₃	1.9	N.D.	0.24	0.4	N.D.	2.83	Khelen et al., 2017
KH42	Dolostone	Dharwar Craton	Vempalle III	HF/HNO ₃	1.9	N.D.	0.27	0.44	N.D.	2.89	Khelen et al., 2017
KH46	Dolostone	Dharwar Craton	Vempalle III	HF/HNO ₃	1.9	N.D.	0.41	0.07	N.D.	27.6	Khelen et al., 2017
KH48	Dolostone	Dharwar Craton	Vempalle III	HF/HNO ₃	1.9	N.D.	0.56	0.07	N.D.	37.7	Khelen et al., 2017
KH49	Dolostone	Dharwar Craton	Vempalle III	HF/HNO ₃	1.9	N.D.	0.15	0.27	N.D.	2.62	Khelen et al., 2017
KH51	Dolostone	Dharwar Craton	Vempalle III	HF/HNO ₃	1.9	N.D.	4.78	0.05	N.D.	450	Khelen et al., 2017
KH52	Dolostone	Dharwar Craton	Vempalle III	HF/HNO ₃	1.9	N.D.	0.44	0.04	N.D.	51.8	Khelen et al., 2017
KH54A	Dolostone	Dharwar Craton	Vempalle III	HF/HNO ₃	1.9	N.D.	0.34	0.13	N.D.	12.3	Khelen et al., 2017
LG001	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	4.83	0.23	0.03	2819	42.6	Tang et al., 2013
LG002	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	2.39	0.22	0.11	308.8	9.25	Tang et al., 2013
LG003	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	4.84	0.2	0.07	1025	13.8	Tang et al., 2013
LG004	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	3.6	0.26	0.14	367.2	8.43	Tang et al., 2013
LG005	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	2.43	0.15	0.11	334.9	6.54	Tang et al., 2013
LG007	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	5.26	0.32	0.16	474.1	9.19	Tang et al., 2013
LG008	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.57	0.23	0.15	152.5	7.32	Tang et al., 2013
LG009	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.85	0.14	0.06	442.5	10.5	Tang et al., 2013
LG010	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	2.37	0.25	0.21	167.2	5.64	Tang et al., 2013
LG011	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.28	0.27	0.23	82.69	5.69	Tang et al., 2013
LG012	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	5.2	0.24	0.07	1054	15.4	Tang et al., 2013
LG013	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.95	0.13	0.01	4061	86.1	Tang et al., 2013
LG014	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.43	0.19	0.04	595.3	25.4	Tang et al., 2013
LG015	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	2.23	0.21	0.02	1913	58.7	Tang et al., 2013
LG016	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	6.94	0.21	0.03	3267	31.3	Tang et al., 2013
LG017	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.77	0.17	0.02	1363	41.6	Tang et al., 2013
LG018	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.75	0.19	0.02	1344	45.9	Tang et al., 2013
LG019	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.4	0.2	0.04	487.4	22.4	Tang et al., 2013
LG020	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	0.79	0.22	0.05	236.6	20.8	Tang et al., 2013

LG021	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	2.88	0.27	0.05	792	24.3	Tang et al., 2013
LG022	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	2.36	0.23	0.03	1149	35.3	Tang et al., 2013
LG023	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.8	1.13	0.5	52.98	10.7	Tang et al., 2013
LG024	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.55	0.36	0.03	868.1	65.8	Tang et al., 2013
LG025	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	3.39	0.38	0.06	797.3	28.7	Tang et al., 2013
LG026	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.26	0.41	0.05	341.7	35.9	Tang et al., 2013
LG027	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.75	0.61	0.13	202.2	22.8	Tang et al., 2013
LG028	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	3.37	0.29	0.09	579.2	16.3	Tang et al., 2013
LG029	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.05	0.85	0.33	47.2	12.2	Tang et al., 2013
LG030	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	3.11	1.09	0.06	781.9	88.7	Tang et al., 2013
LG031	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	2.19	0.68	0.14	225.6	22.4	Tang et al., 2013
LG032	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	9.07	0.24	0.01	14705	126	Tang et al., 2013
LG033	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.64	0.44	0.01	2652	231	Tang et al., 2013
LG034	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.95	0.51	0.09	327.7	27.6	Tang et al., 2013
LG035	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	4.72	0.43	0.05	1352	39.9	Tang et al., 2013
LG036	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	24.9	0.56	0.21	1768	12.8	Tang et al., 2013
LG038	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	5.02	0.61	0.06	1146	45.1	Tang et al., 2013
LG039	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	2.01	0.13	0.05	598.9	12.2	Tang et al., 2013
LG040	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	3.01	0.26	0.05	914	25.4	Tang et al., 2013
LG041	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1.14	1.2	0.06	296.7	101	Tang et al., 2013
LG042	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	2.68	0.28	0.13	291.5	9.91	Tang et al., 2013
LG043	Dolostone	Sino-Korean Craton	Guanmenshan Fm.	HF/HNO ₃	2.2	1	0.55	0.11	132.1	23.4	Tang et al., 2013