

SUPPLEMENTARY MATERIAL

Table SI. LA-ICP-MS U-Pb isotopic data for zircons from WE-01.

Sample /spots	Th	U	Th/U	Ratio						ρ^a	Age (Ma)					
	(ppm)	(ppm)		$^{207}\text{Pb}/^{206}\text{Pb}$	1 σ	$^{207}\text{Pb}/^{235}\text{U}$	1 σ	$^{206}\text{Pb}/^{238}\text{U}$	1 σ		$^{207}\text{Pb}/^{206}\text{Pb}$	1 σ	$^{207}\text{Pb}/^{235}\text{U}$	1 σ	$^{206}\text{Pb}/^{238}\text{U}$	1 σ
WE-01-01	386	324	1.19	0.0503	0.0025	0.1513	0.0069	0.0217	0.0003	0.26	209.3	110.2	143.1	6.1	138.6	1.6
WE-01-02	214	281	0.76	0.0540	0.0019	0.3774	0.0139	0.0502	0.0006	0.30	372.3	75.0	325.1	10.3	315.9	3.4
WE-01-03	341	459	0.74	0.0496	0.0020	0.1413	0.0056	0.0207	0.0003	0.31	176.0	94.4	134.2	5.0	132.2	1.6
WE-01-04	439	223	1.97	0.0496	0.0035	0.1390	0.0083	0.0210	0.0003	0.23	176.0	34.3	132.1	7.4	133.7	1.8
WE-01-05	269	425	0.63	0.0475	0.0020	0.1364	0.0056	0.0209	0.0002	0.27	72.3	100.0	129.8	5.0	133.5	1.5
WE-01-06	204	338	0.60	0.0515	0.0023	0.1502	0.0066	0.0212	0.0003	0.28	264.9	99.1	142.1	5.8	135.3	1.7
WE-01-07	188	294	0.64	0.0573	0.0021	0.4986	0.0171	0.0633	0.0006	0.29	501.9	84.2	410.7	11.6	395.8	3.8
WE-01-08	203	246	0.82	0.0662	0.0016	1.2194	0.0294	0.1330	0.0011	0.34	813.0	50.0	809.5	13.5	805.1	6.3
WE-01-09	57.9	127	0.46	0.0517	0.0029	0.3566	0.0197	0.0499	0.0006	0.21	272.3	125.9	309.7	14.8	314.2	3.6
WE-01-10	370	293	1.26	0.0490	0.0026	0.1441	0.0071	0.0214	0.0003	0.28	146.4	124.1	136.7	6.3	136.8	1.8
WE-01-11	155	150	1.04	0.0563	0.0026	0.4789	0.0214	0.0619	0.0007	0.27	464.9	99.1	397.3	14.7	387.0	4.5
WE-01-12	292	373	0.78	0.0504	0.0024	0.1498	0.0068	0.0214	0.0003	0.28	213.0	107.4	141.7	6.0	136.5	1.7
WE-01-13	249	382	0.65	0.0485	0.0024	0.1381	0.0064	0.0209	0.0002	0.26	120.5	84.3	131.4	5.7	133.3	1.6
WE-01-14	119	208	0.57	0.0507	0.0036	0.1489	0.0096	0.0219	0.0003	0.23	233.4	167.6	141.0	8.5	139.5	2.0
WE-01-15	96.7	139	0.70	0.0474	0.0033	0.1677	0.0108	0.0258	0.0004	0.26	77.9	155.5	157.4	9.4	164.2	2.7
WE-01-16	571	624	0.91	0.0480	0.0022	0.1353	0.0049	0.0205	0.0002	0.28	98.2	112.9	128.8	4.3	130.7	1.3
WE-01-17	316	414	0.76	0.0516	0.0031	0.1472	0.0053	0.0207	0.0003	0.35	333.4	171.3	139.4	4.7	132.3	1.7
WE-01-18	235	316	0.74	0.0498	0.0027	0.1426	0.0068	0.0209	0.0003	0.28	187.1	125.9	135.3	6.1	133.4	1.8
WE-01-19	233	390	0.60	0.0499	0.0025	0.1451	0.0070	0.0210	0.0003	0.27	190.8	112.0	137.5	6.2	134.2	1.7
WE-01-20	275	406	0.68	0.0478	0.0024	0.1395	0.0066	0.0212	0.0003	0.27	100.1	111.1	132.6	5.9	135.0	1.7
WE-01-21	246	289	0.85	0.0523	0.0036	0.1499	0.0093	0.0211	0.0003	0.24	298.2	127.8	141.8	8.2	134.7	2.0
WE-01-22	123	274	0.45	0.0510	0.0024	0.3218	0.0142	0.0458	0.0005	0.25	239.0	105.5	283.3	10.9	288.5	3.2
WE-01-23	252	415	0.61	0.0483	0.0021	0.1395	0.0056	0.0211	0.0003	0.33	122.3	101.8	132.6	5.0	134.7	1.8
WE-01-24	139	289	0.48	0.0597	0.0018	0.6677	0.0202	0.0807	0.0008	0.32	590.8	66.7	519.3	12.3	500.2	4.7
WE-01-25	65.6	84.4	0.78	0.0536	0.0037	0.3106	0.0187	0.0426	0.0007	0.27	353.8	155.5	274.7	14.5	268.8	4.3

Table SI. Continuation.

WE-01-26	272	430	0.63	0.0496	0.0022	0.1439	0.0062	0.0210	0.0003	0.29	189.0	100.9	136.5	5.5	133.8	1.7
WE-01-27	272	385	0.71	0.0515	0.0028	0.1501	0.0066	0.0211	0.0003	0.32	264.9	91.7	142.0	5.8	134.7	1.9
WE-01-28	222	339	0.65	0.0488	0.0028	0.1418	0.0078	0.0211	0.0003	0.28	200.1	64.8	134.6	6.9	134.6	2.0
WE-01-29	185	143	1.29	0.0560	0.0032	0.3861	0.0205	0.0498	0.0007	0.27	453.8	125.9	331.5	15.0	313.2	4.4
WE-01-30	309	426	0.73	0.0486	0.0024	0.1432	0.0067	0.0213	0.0003	0.28	127.9	114.8	135.9	6.0	135.6	1.8
WE-01-31	45.7	127	0.36	0.0521	0.0040	0.1536	0.0102	0.0218	0.0004	0.29	300.1	175.9	145.1	9.0	138.9	2.6
WE-01-32	186	227	0.82	0.0548	0.0025	0.3727	0.0165	0.0490	0.0007	0.30	466.7	100.0	321.6	12.2	308.2	4.1
WE-01-33	351	471	0.74	0.0489	0.0022	0.1413	0.0062	0.0209	0.0003	0.28	142.7	105.5	134.2	5.5	133.3	1.6
WE-01-34	256	417	0.61	0.0488	0.0026	0.1430	0.0065	0.0213	0.0003	0.30	200.1	125.9	135.7	5.8	136.0	1.9
WE-01-35	594	463	1.28	0.0515	0.0024	0.1465	0.0056	0.0205	0.0002	0.30	261.2	105.5	138.8	4.9	131.1	1.5
Notes: ^a ρ = correlation coefficient																