

**Supplementary Table S2.** LA-ICP-MS zircon U-Pb data of the rhyolite and the granite porphyry.

Sample No.	Element content (ppm)		Th/U	Element ratios						Age (Ma)					
	Th	U		<sup>207</sup> Pb/ <sup>206</sup> Pb	1σ	<sup>207</sup> Pb/ <sup>235</sup> U	1σ	<sup>206</sup> Pb/ <sup>238</sup> U	1σ	<sup>207</sup> Pb/ <sup>206</sup> Pb	1σ	<sup>207</sup> Pb/ <sup>235</sup> U	1σ	<sup>206</sup> Pb/ <sup>238</sup> U	1σ
MJ26-01	206.98	865.57	0.24	0.05188	0.00108	0.29587	0.00588	0.04136	0.00044	280	47	263	5	261.0	3
MJ26-02	202.36	822.76	0.25	0.05183	0.00112	0.27831	0.00573	0.03894	0.00042	278	49	249	5	246.0	3
MJ26-03	348.99	1537.97	0.23	0.05301	0.00145	0.46587	0.00789	0.04199	0.00043	329	35	263	5	256.0	3
MJ26-04	957.94	1837.37	0.52	0.05163	0.0015	0.41393	0.00792	0.0406	0.00044	269	40	251	6	249.0	3
MJ26-05	439.46	1006.2	0.44	0.05179	0.0011	0.26538	0.00534	0.03715	0.0004	276.3	48	239	4	235.2	2
MJ26-06	136.79	388.27	0.35	0.05931	0.00147	0.37308	0.00885	0.04561	0.00052	578.6	53	321.9	7	287.5	2
MJ26-07	517.78	2194.74	0.24	0.05751	0.00107	0.32504	0.00569	0.04098	0.00042	511	21	286	4	259.0	3
MJ26-08	227.29	1227.76	0.19	0.05247	0.00104	0.30728	0.00578	0.04247	0.00045	305.9	45	272.1	4	268.1	3
MJ26-11	211.01	776.87	0.27	0.04933	0.00108	0.30581	0.00636	0.04495	0.00048	163.3	50	270.9	5	283.5	3
MJ26-12	124.23	585.72	0.21	0.05139	0.00121	0.2957	0.00663	0.04172	0.00046	258	31	263	5	263.0	3
MJ26-14	429.78	3188.31	0.13	0.05238	0.00103	0.30394	0.00529	0.03959	0.00041	302	57	254	5	249.0	2
MJ26-15	136.9	1426.61	0.10	0.05172	0.00103	0.27972	0.00528	0.03922	0.00041	273	25	250	4	248.0	3
MJ26-18	185.65	1867.99	0.10	0.0515	0.001	0.28885	0.00529	0.04067	0.00042	263	24	258	4	257.0	3
MJ26-19	226.39	269.76	0.84	0.0575	0.00144	0.61283	0.01461	0.07728	0.00089	510.3	54	485.3	9	479.9	5
MJ26-20	233.05	948.25	0.25	0.05084	0.00111	0.27941	0.00577	0.03985	0.00043	234	28	250	5	252.0	3
LWZ02-01	106.3	277.2	0.38	0.05209	0.00157	0.28853	0.00844	0.04018	0.00047	289.3	67	257.4	7	253.9	3
LWZ02-02	266.6	741.6	0.36	0.05222	0.00103	0.28088	0.0053	0.03901	0.0004	295.1	44	251.4	4	246.7	3
LWZ02-03	157.9	329.1	0.48	0.05035	0.0014	0.27743	0.00743	0.03997	0.00045	211	63	248.6	6	252.6	3
LWZ02-04	174.6	349.9	0.50	0.0504	0.00134	0.28184	0.00726	0.04056	0.00046	213.5	61	252.1	6	256.3	3
LWZ02-05	233.0	445.1	0.52	0.05097	0.00154	0.27219	0.00802	0.03873	0.00043	967.9	43	335.2	6	251.3	3
LWZ02-06	277.5	582.2	0.48	0.0508	0.0011	0.27591	0.00575	0.0394	0.00042	231.6	49	247.4	5	249.1	3
LWZ02-07	159.0	329.8	0.48	0.05029	0.0014	0.28278	0.00761	0.04078	0.00046	208.6	63	252.9	6	257.7	3
LWZ02-08	100.6	233.4	0.43	0.05373	0.00167	0.31032	0.00934	0.0419	0.0005	359.5	69	274.4	7	264.6	3
LWZ02-09	209.6	447.3	0.47	0.05424	0.00126	0.29588	0.00658	0.03957	0.00043	380.9	51	263.2	5	250.1	3

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LWZ02-10	173.3	329.8	0.53	0.05477	0.00147	0.30707	0.00795	0.04067	0.00046	402.8	58	271.9	6	257.0	3
LWZ02-11	133.6	299.0	0.45	0.05032	0.00147	0.27462	0.00774	0.03959	0.00046	209.7	66	246.4	6	250.3	3
LWZ02-12	168.9	344.7	0.49	0.05363	0.0013	0.35288	0.0082	0.04772	0.00053	355.5	54	306.9	6	300.5	3
LWZ02-13	298.6	552.6	0.54	0.05189	0.00115	0.28543	0.00605	0.0399	0.00042	280.5	50	255	5	252.2	3
LWZ02-14	106.6	238.0	0.45	0.05057	0.00169	0.287	0.00932	0.04116	0.0005	221.3	76	256.2	7	260.0	3
LWZ02-15	210.9	350.1	0.60	0.05315	0.00177	0.29185	0.00955	0.03982	0.00046	1193	43	380	7	260.5	3
LWZ02-16	196.9	325.1	0.61	0.05355	0.00148	0.29573	0.00791	0.04005	0.00046	352.3	61	263.1	6	253.2	3
LWZ02-17	140.5	307.6	0.46	0.05004	0.00146	0.27986	0.00791	0.04057	0.00047	196.7	67	250.5	6	256.3	3
LWZ02-18	190.7	389.3	0.49	0.05255	0.00135	0.29119	0.00717	0.04019	0.00045	309.6	57	259.5	6	254.0	3
LWZ02-19	217.0	481.6	0.45	0.05208	0.00122	0.29263	0.00657	0.04075	0.00044	289	53	260.6	5	257.5	3
LWZ02-20	249.8	497.5	0.50	0.05504	0.00183	0.30371	0.01004	0.04002	0.00045	1593.6	34	461.1	6	267.5	3
LWZ02-21	123.8	218.3	0.57	0.05098	0.00185	0.2783	0.00982	0.03959	0.00049	239.9	82	249.3	8	250.3	3
LWZ02-22	186.0	399.8	0.47	0.05259	0.00148	0.29376	0.008	0.04051	0.00045	722	49	311.6	6	259.5	3
LWZ02-23	165.6	364.0	0.45	0.05207	0.00137	0.28995	0.00733	0.04039	0.00045	288.3	59	258.5	6	255.3	3
LWZ02-24	199.0	374.1	1.88	0.05255	0.00137	0.28724	0.0072	0.03964	0.00045	309.6	58	256.4	6	250.6	3

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