

**Table 2** LA-MC-ICPMS Lu-Hf isotope data

Sample	Spot	$^{176}\text{Yb}/^{177}\text{Hf}$	$\pm 2\sigma$	$^{176}\text{Lu}/^{177}\text{Hf}$	$\pm 2\sigma$	$^{176}\text{Hf}/^{177}\text{Hf}$	$\pm 2\sigma$	$^{176}\text{Hf}/^{177}\text{Hf}$	$\pm 2\sigma$	$^{176}\text{Hf}/^{177}\text{Hf}$	$\pm 2\sigma$	$\delta\text{Hf}(t)$	$\pm 2\sigma$	$T_{\text{DM}}$	age	$\pm 2\sigma$
						$\text{Si}_{\text{Hf}}$						(V)		(Ga)	(Ma)	
139	A07	0.0407	34	0.00146	9	1.46718	1.88664	8	0.282612	58	0.282595	7.4	2.1	1.00	631	8
	A08	0.0189	16	0.00074	5	1.46724	1.88640	8	0.282626	50	0.282617	7.9	1.8	0.97	621	8
	A10	0.0350	30	0.00131	9	1.46726	1.88641	7	0.282582	42	0.282568	4.9	1.5	1.09	562	7
	A11	0.0514	42	0.00171	11	1.46720	1.88653	11	0.282574	36	0.282556	4.7	1.3	1.10	575	7
	A12	0.0409	33	0.00134	8	1.46716	1.88640	8	0.282643	34	0.282628	7.2	1.2	0.96	573	7
	A13	0.0267	28	0.00091	8	1.46717	1.88665	9	0.282422	28	0.282416	-5.9	1.0	1.48	322	5
	A14	0.0167	18	0.00059	5	1.46725	1.88684	7	0.282469	39	0.282466	-4.2	1.4	1.39	320	5
	A15	0.0470	38	0.00153	9	1.46729	1.88641	9	0.282575	28	0.282559	4.8	1.0	1.10	573	7
	A16	0.0281	24	0.00102	7	1.46714	1.88674	9	0.282465	42	0.282459	-4.3	1.5	1.40	324	4
	A17	0.0515	59	0.00173	17	1.46720	1.88672	10	0.282640	47	0.282621	7.1	1.7	0.98	578	8
	A18	0.0582	53	0.00192	14	1.46730	1.88656	9	0.282685	54	0.282664	8.3	1.9	0.90	562	7
	A19	0.0472	45	0.00173	14	1.46716	1.88654	5	0.282605	49	0.282583	7.5	1.7	1.02	657	11
	A22	0.0430	46	0.00147	13	1.46715	1.88663	8	0.282600	42	0.282585	5.0	1.5	1.06	541	7
	A24	0.0481	42	0.00162	11	1.46724	1.88654	6	0.282695	35	0.282678	8.6	1.3	0.87	556	8
	A25	0.0626	51	0.00215	13	1.46724	1.88672	6	0.282627	39	0.282603	6.7	1.4	1.01	589	8
	A26	0.0579	52	0.00193	14	1.46729	1.88682	4	0.282729	57	0.282708	9.9	2.0	0.81	567	9
	A27	0.0279	29	0.00091	8	1.46716	1.88633	9	0.281317	55	0.281283	-10.0	2.0	3.01	1912	12
	A28	0.0233	23	0.00086	6	1.46723	1.88693	10	0.282444	24	0.282438	-4.9	0.9	1.43	330	4
	A29	0.0584	49	0.00188	12	1.46724	1.88657	8	0.282793	47	0.282784	5.6	1.7	0.79	252	3
	A30	0.0401	45	0.00127	12	1.46720	1.88648	10	0.282293	32	0.282279	-5.1	1.1	1.65	573	8
	A31	0.0401	35	0.00121	8	1.46733	1.88639	8	0.282337	24	0.282325	-4.3	0.9	1.57	537	7
	A32	0.0595	62	0.00181	15	1.46718	1.88637	8	0.282852	29	0.282843	8.0	1.0	0.67	267	3
	A38	0.0857	70	0.00251	16	1.46725	1.88643	7	0.282854	30	0.282842	7.7	1.0	0.68	256	3
	A39	0.0703	56	0.00213	13	1.46733	1.88658	7	0.282866	28	0.282856	8.2	1.0	0.65	255	3
	A40	0.0154	17	0.00059	5	1.46721	1.88650	5	0.282733	59	0.282726	11.6	2.1	0.76	612	8
107-b	A417	0.0243	21	0.00079	5	1.46727	1.88646	8	0.282677	25	0.282673	2.5	0.9	0.99	292	4
	A418	0.0254	21	0.00092	6	1.46716	1.88670	7	0.282494	28	0.282489	-3.8	1.0	1.35	300	4
	A419	0.0276	43	0.00086	12	1.46723	1.88672	8	0.282409	22	0.282401	-2.8	0.8	1.44	485	7
	A425	0.0219	23	0.00067	6	1.46729	1.88640	9	0.282402	24	0.282396	-3.5	0.9	1.46	461	6
	A426	0.0246	20	0.00078	5	1.46723	1.88696	8	0.282519	41	0.282514	-2.5	1.4	1.29	319	4
	A427	0.0602	53	0.00172	12	1.46722	1.88639	9	0.282500	23	0.282492	-5.0	0.8	1.37	240	3
	A429	0.0173	19	0.00059	5	1.46734	1.88659	9	0.282537	23	0.282534	-2.4	0.8	1.26	290	4
	A431	0.0469	55	0.00134	13	1.46731	1.88630	11	0.282532	42	0.282528	-5.4	1.5	1.32	167	3
	A433	0.0126	13	0.00036	3	1.46726	1.88665	10	0.281207	44	0.281195	-17.1	1.5	3.25	1740	36
	A434	0.0240	20	0.00076	5	1.46733	1.88639	7	0.281946	28	0.281932	-8.5	1.0	2.16	969	12
	A436	0.0407	38	0.00136	10	1.46730	1.88652	8	0.282525	26	0.282503	9.3	0.9	1.09	860	10
	A437	0.0514	44	0.00164	11	1.46726	1.88637	10	0.282448	26	0.282435	-2.4	0.9	1.39	448	5
	A438	0.0382	124	0.00104	25	1.46723	1.88688	9	0.282492	40	0.282486	-3.4	1.4	1.34	323	4
	A444	0.0663	118	0.00170	24	1.46723	1.88668	7	0.282550	50	0.282541	-1.9	1.8	1.25	303	4
	A445	0.0247	24	0.00089	7	1.46730	1.88668	7	0.280926	35	0.280889	-18.7	1.2	3.67	2142	33
	A451	0.0737	64	0.00210	14	1.46717	1.88690	7	0.282580	32	0.282566	0.5	1.1	1.17	370	6
	A453	0.0394	40	0.00118	9	1.46730	1.88637	10	0.282456	25	0.282449	-4.8	0.9	1.42	317	4
	A455	0.0643	64	0.00198	16	1.46723	1.88675	10	0.282129	35	0.282109	-11.9	1.2	1.99	540	7
	A456	0.0597	49	0.00183	12	1.46732	1.88648	10	0.282364	28	0.282350	-6.3	1.0	1.40	405	7
	A457	0.0202	18	0.00064	4	1.46727	1.88669	11	0.282137	29	0.282130	-10.9	1.0	1.94	550	7
	A458	0.0085	8	0.00024	2	1.46715	1.88666	9	0.282256	23	0.282255	-10.7	0.8	1.78	364	6
	A459	0.0386	32	0.00140	9	1.46715	1.88699	9	0.281998	29	0.281983	-15.4	1.0	2.21	582	8
	A460	0.0540	44	0.00166	10	1.46731	1.88658	8	0.282492	24	0.282483	-4.6	0.9	1.37	273	3
	A467	0.0269	22	0.00091	6	1.46721	1.88631	8	0.282581	21	0.282576	-0.7	0.7	1.18	302	4
	A468	0.0460	48	0.00150	14	1.46729	1.88681	7	0.282564	36	0.282556	-1.8	1.3	1.22	284	5
	A469	0.0286	27	0.00091	7	1.46725	1.88635	10	0.282093	44	0.282086	-16.0	1.6	2.09	394	5
	A470	0.0128	14	0.00056	4	1.46718	1.88671	10	0.282575	29	0.282572	-0.6	1.0	1.18	310	4
	A472	0.0153	13	0.00047	3	1.46726	1.88638	8	0.282426	28	0.282423	-6.1	1.0	1.47	301	4
	A473	0.0246	22	0.00076	5	1.46728	1.88677	9	0.282515	22	0.282511	-2.6	0.8	1.30	320	4
	A475	0.0413	46	0.00127	10	1.46727	1.88668	8	0.282613	50	0.282606	0.6	1.8	1.12	313	4
	A476	0.0484	69	0.00132	17	1.46722	1.88657	10	0.282544	24	0.282533	1.0	0.9	1.20	447	6
	A477	0.0606	67	0.00173	15	1.46726	1.88642	7	0.282652	30	0.282642	1.4	1.1	1.05	289	4
	A478	0.0158	14	0.00051	4	1.46718	1.88672	9	0.282330	29	0.282325	-4.0	1.0	1.56	552	7
	A479	0.0366	42	0.00119	11	1.46724	1.88670	8	0.282558	29	0.282551	-1.7	1.0	1.23	295	4
	A481	0.0300	24	0.00093	6	1.46730	1.88642	7	0.280979	23	0.280946	-22.8	0.8	3.67	1876	26
	A482	0.0174	21	0.00055	5	1.46732	1.88649	8	0.282296	27	0.282291	-5.8	1.0	1.64	523	7
	A483	0.0211	25	0.00059	6	1.46716	1.88661	6	0.282629	28	0.282625	1.7	1.0	1.07	329	5
	A484	0.0473	38	0.00151	9	1.46714	1.88653	8	0.282496	35	0.282482	0.1	1.3	1.29	486	6
	A485	0.0678	67	0.00204	16	1.46728	1.88657	10	0.282467	30	0.282450	-2.4	1.1	1.37	424	5
	A486	0.0251	26	0.00077	6	1.46715	1.88693	9	0.282564	41	0.282560	-1.8	1.5	1.22	279	4
	A491	0.0649	54	0.00203	13	1.46718	1.88668	8	0.282471	32	0.282453	-0.9	1.1	1.34	487	6
	A493	0.0352	30	0.00114	7	1.46722	1.88677	7	0.282391	28	0.282378	-0.5	1.0	1.43	623	8
	A501	0.0410	43	0.00138	12	1.46727	1.88652	7	0.282540	28	0.282532	-2.0	1.0	1.26	310	4
	A503	0.0480	47	0.00137	11	1.46727	1.88642	7	0.282225	49	0.282213	-9.4	1.7	1.81	488	6
	A505	0.0606	73	0.00174	17	1.46720	1.88667	7	0.282635	32	0.282625	1.0	1.1	1.08	298	4
	A506	0.0381	52	0.00124	15	1.46718	1.88657	11	0.281675	67	0.281629	3.2	2.4	2.32	1950	33
	A507	0.0202	20	0.00076	7	1.46721	1.88655	9	0.282606	79	0.282602	0.3	2.8	1.13	303	4
	A514	0.0323	27	0.00098	6	1.46728	1.88660	10	0.282402	43	0.282394	-3.8	1.5	1.47	451	5
	A515	0.0168	17	0.00058	5	1.46730	1.88631	6	0.281642	55	0.281619	6.8	2.0	2.26	2123	18