

Table A.4. Results for LA-ICP-MS analyses of apatite from Acasta gneisses

Sample	Apatite	Spot size (μm)	V	Sr	Y	Zr
AG09009	Ap35-1	9	4.22	176.52	975.95	b.d.l
	Ap35-1b	9	b.d.l	174.35	2042.63	b.d.l
	Ap35-1c	7	b.d.l	200.14	2396.49	b.d.l
	Ap35-2	9	b.d.l	183.52	2480.77	b.d.l
	Ap35-2c	7	b.d.l	277.69	1154.42	35.57
	Ap36-1	9	b.d.l	176.76	1185.63	b.d.l
	Ap36-1b	9	b.d.l	186.86	872.83	5.24
	Ap36-1c	9	b.d.l	177.46	3431.14	b.d.l
	Ap36-2	9	2.11	170.97	4056.17	b.d.l
	Ap36-2b	9	b.d.l	186.04	1894.81	b.d.l
	Ap36-2c	9	b.d.l	166.77	4405.00	b.d.l
	Ap36-3	9	b.d.l	179.43	1366.11	b.d.l
	Ap37-1	9	b.d.l	177.28	1065.32	b.d.l
	Ap37-2	9	b.d.l	188.11	2210.27	5.01
	Ap37-3	9	b.d.l	182.08	2264.50	b.d.l
	Ap38-1	9	5.58	184.01	1909.77	b.d.l
	Ap38-1b	9	b.d.l	181.25	2186.07	b.d.l
	Ap38-2	9	b.d.l	178.97	1721.58	b.d.l
	Ap38-2b	9	b.d.l	182.91	1772.29	144.51
	Ap38-3	9	2.45	183.11	2154.08	b.d.l
	Ap39-1	7	1.75	184.16	2451.43	b.d.l
	Ap39-2	7	b.d.l	186.62	937.84	b.d.l
	Ap39-3	7	b.d.l	183.59	2316.54	b.d.l
	Ap39-4	7	b.d.l	188.68	2011.37	b.d.l
	Ap39-5	7	b.d.l	186.26	934.53	15.53
	Ap43-1	9	2.24	183.10	4565.99	16.97
	Ap43-2	4	b.d.l	184.05	725.36	b.d.l
	Ap48-1a	9	b.d.l	195.53	2458.31	b.d.l
	Ap48-1b	7	4.58	193.78	1192.24	b.d.l
	Ap48-1c	9	3.52	172.66	3148.00	b.d.l
	Ap48-2a	7	14.05	382.51	815.64	b.d.l
	Ap48-2c	7	5.24	192.65	667.33	b.d.l
	Ap48-3a	7	b.d.l	187.65	885.86	b.d.l
	AG09g8(7-8)	4	b.d.l	170.07	3803.83	b.d.l
	AG09 36	4	b.d.l	214.23	2835.22	b.d.l
	AG0942	7	b.d.l	209.4	1457.6	b.d.l
	AG09 42	9	b.d.l	212.5	770.93	b.d.l
	AG09 86	4	b.d.l	203.19	1397.49	b.d.l

AG09014	AG14_1	9	b.d.l	143.56	1047.17	b.d.l
	AG14_10-1	9	b.d.l	156.60	820.14	b.d.l
	AG14_10-2	9	b.d.l	166.20	1289.12	b.d.l
	AG14_10b-1	9	b.d.l	158.10	612.93	b.d.l
	AG14_10b-2	9	b.d.l	167.90	713.41	b.d.l
	AG14_13-1	9	b.d.l	165.11	955.12	b.d.l
	AG14_13-2	9	b.d.l	175.70	1146.38	50.02
	AG14_14a-1	9	5.68	177.92	1033.98	b.d.l
	AG14_14a-2	9	b.d.l	174.57	923.55	b.d.l
	AG14_4-1	9	b.d.l	153.40	745.14	b.d.l
	AG14_5a-1	9	b.d.l	144.03	680.22	b.d.l
	AG14_5a-2	9	b.d.l	216.48	614.33	b.d.l
	AG14_5b-1	9	b.d.l	155.58	666.78	b.d.l
	AG14_5b-2	9	b.d.l	144.40	523.07	b.d.l
	AG14_6-1	9	b.d.l	136.57	611.10	b.d.l
	AG14_7-1	9	b.d.l	162.41	1151.78	b.d.l
	AG14_8-1	9	b.d.l	148.11	869.61	b.d.l
	AG14_9a-1	9	b.d.l	162.31	661.81	b.d.l
	AG14_9a-2	9	b.d.l	155.58	679.18	b.d.l
	AG14_b-1	9	b.d.l	146.33	380.02	b.d.l
Ap36-2	9	b.d.l	146.38	545.97	b.d.l	
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AG09016	AG16_16-1	9	b.d.l	185.84	1468.76	b.d.l
	AG16_16-2	9	b.d.l	185.97	2541.11	b.d.l
	AG16_17a-1	9	b.d.l	196.53	1735.74	b.d.l
	AG16_17a-2	9	b.d.l	201.44	3258.63	b.d.l
	AG16_17b-2	9	b.d.l	192.21	1765.97	b.d.l
	AG16_18-1	9	b.d.l	186.08	1079.33	b.d.l
	AG16_18-2	9	b.d.l	209.45	1831.93	b.d.l
	AG16_20-1	9	b.d.l	208.63	1508.71	b.d.l
	AG16_20-2	9	b.d.l	190.39	1252.52	12.59
	AG16_22-1	9	b.d.l	165.58	2097.37	b.d.l
	AG16_25a-1	9	b.d.l	160.98	1115.66	b.d.l
	AG16_25b-2	9	b.d.l	156.07	568.65	b.d.l
	AG16_25c-1	9	b.d.l	195.02	2967.09	b.d.l
	AG16_25c-2	9	b.d.l	183.25	2151.89	b.d.l
	AG16_27-a	9	4.54	178.80	1833.05	b.d.l
	AG16_27b-1	9	7.61	180.46	3186.05	b.d.l
	AG16_27b-2	9	b.d.l	198.27	2357.19	14.42
	AG16_28b-1	9	b.d.l	184.97	1282.50	b.d.l
	AG16_28b-2	9	b.d.l	185.58	2755.11	b.d.l
	AG16_28c-1	9	b.d.l	169.41	2261.37	b.d.l
AG16_31-1	9	b.d.l	174.18	1523.92	b.d.l	

	AG16_39a-1	9	b.d.l	159.59	3432.49	b.d.l
	AG16_39a-2	9	b.d.l	150.69	1673.21	b.d.l
	AG16_39b-1	9	b.d.l	137.97	2279.68	b.d.l
	AG16_39c-1	9	b.d.l	162.83	1633.71	b.d.l
	ap16-1	40	0.72	143.80	666.64	b.d.l
	ap17-1	40	1.05	152.48	588.82	b.d.l
	ap9-1a	40	0.96	192.43	1433.56	b.d.l
	AG16g15(2-3)	4	b.d.l	194.75	1609.19	b.d.l
	AG16g15(1-4)	4	b.d.l	218.37	1061.69	b.d.l
	AG16g15	7	8.85	204.75	1859.8	b.d.l
	AG16g4(5)	4	b.d.l	196.03	2152.53	b.d.l
	AG16g88	4	b.d.l	184.37	1568.31	b.d.l
	AG16g90	4	b.d.l	247.86	1392	b.d.l
	AG16g100	4	b.d.l	199.79	1117.41	b.d.l
	AG16g108	7	b.d.l	226.59	1568.49	b.d.l
	AG16g62	4	b.d.l	204.77	1905.6	b.d.l
	AG16g62(9-10)	4	b.d.l	243.52	1723.95	b.d.l
	AG16g14	4	b.d.l	223.61	2137.86	b.d.l
	AG16-11(1)	4	b.d.l	241.52	2318.65	b.d.l
AG09015	Ap12-1	12	1.50	147.65	234.57	b.d.l
	Ap13-1	12	1.32	147.87	360.09	b.d.l
	Ap13-2	9	5.21	158.63	417.01	b.d.l
	Ap19-1	9	b.d.l	198.56	853.07	b.d.l
	Ap19-2	9	b.d.l	177.71	964.72	b.d.l
	Ap34-1	9	b.d.l	154.60	353.62	b.d.l
	Ap34-2	9	b.d.l	162.89	566.13	b.d.l
	Ap35-1	12	6.75	145.88	1464.85	b.d.l
	Ap35-2	12	0.96	162.44	702.81	b.d.l
	Ap36-2	12	b.d.l	146.38	545.97	b.d.l
	Ap37-1	9	b.d.l	158.52	1062.23	b.d.l
	Ap37-2	12	2.44	155.36	254.72	b.d.l
	Ap38-1	12	1.17	138.15	318.39	b.d.l
	Ap41-1	9	b.d.l	150.99	208.35	b.d.l
	Ap41-2	12	b.d.l	149.08	362.35	b.d.l
	Ap42-1	12	1.16	143.51	847.96	b.d.l
	Ap42-2	12	1.27	149.88	593.44	b.d.l
	Ap51-1	12	1.10	182.08	315.85	b.d.l
	Ap51-2	12	b.d.l	178.10	510.68	b.d.l
		Ap6-1	9	b.d.l	173.85	554.61
	Ap7-1	12	b.d.l	175.96	1367.02	b.d.l

La	Ce	Pr	Nd	Sm	Eu	Gd
20.19	41.69	8.42	47.22	25.68	13.85	68.38
19.43	71.48	13.23	94.63	64.08	20.80	163.71
114.69	368.54	63.57	385.94	156.70	21.04	285.89
72.03	255.19	48.73	314.99	148.63	21.97	285.70
32.71	116.60	19.82	130.79	57.99	12.01	121.22
12.77	41.98	8.23	57.87	36.35	12.34	99.79
17.01	52.36	9.74	63.88	34.35	7.19	82.46
41.52	157.79	30.45	217.54	125.11	33.16	310.87
56.52	224.72	44.97	308.63	169.89	33.74	398.29
37.47	133.63	25.45	163.90	92.11	16.57	188.53
65.48	249.96	47.99	332.48	179.48	38.08	425.33
28.82	90.68	16.86	110.72	58.18	10.72	145.56
20.83	71.89	12.75	88.90	46.77	9.44	107.18
45.97	162.55	30.41	205.86	115.55	19.83	232.43
34.05	128.06	24.58	177.97	98.54	19.43	226.65
26.86	103.35	21.66	149.44	83.71	17.87	196.66
13.68	50.82	10.39	80.47	57.82	26.42	178.08
26.25	94.14	18.32	131.64	75.27	14.59	177.93
14.87	49.42	9.88	73.59	51.33	22.43	144.31
79.17	246.17	45.71	283.46	130.80	18.94	257.35
104.61	340.04	57.54	344.26	148.18	21.22	284.80
16.14	52.97	9.42	65.09	38.66	8.34	94.46
47.23	148.96	28.37	190.80	102.76	20.18	227.18
58.74	199.07	36.99	228.50	113.23	16.52	240.18
15.46	44.13	7.35	49.88	30.69	9.82	73.92
168.56	553.48	102.99	628.47	282.56	36.86	536.87
12.70	35.56	6.43	41.42	18.54	7.42	47.21
166.81	515.30	82.60	477.49	186.30	22.51	319.29
29.10	103.36	17.12	116.35	53.93	10.26	122.06
35.10	126.97	24.55	172.59	109.49	30.89	270.19
18.46	47.91	9.11	60.72	35.86	7.97	70.39
10.99	26.03	3.71	22.74	11.59	13.46	37.73
26.00	77.41	14.43	83.17	34.36	8.40	82.59
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95.06	333.1	61.67	370.97	180.5	34.83	389.79
204.93	721.14	118.21	698.74	274.67	68.61	504.8
94.78	299.95	50.02	279.99	121.12	26.15	218.54
45.9	139.37	25.04	142.74	59.45	13.56	110.13
76.72	267.48	44.27	281.07	129.32	32.05	249.91
<i>Ma</i>						

46.51	178.55	31.08	194.09	76.41	9.97	145.43
39.75	132.04	23.18	156.06	57.34	8.63	103.73
75.54	255.59	40.52	230.59	90.69	13.43	151.23
35.44	102.20	15.96	94.21	41.82	6.48	67.09
44.90	131.09	19.81	120.48	50.52	8.23	88.40
35.70	162.79	34.62	261.10	123.12	14.30	203.22
63.61	265.08	57.72	367.92	176.00	15.70	232.92
88.25	270.37	43.93	294.94	107.22	14.04	159.28
41.78	152.83	28.13	186.12	81.75	12.64	142.64
10.10	41.52	8.90	69.52	42.98	8.37	87.89
10.14	60.40	14.16	111.27	53.21	3.64	91.96
110.57	229.14	29.55	163.31	49.51	4.01	91.04
40.01	128.80	23.88	140.99	52.02	6.04	89.18
15.27	72.27	15.01	100.43	42.37	4.51	74.08
3.24	12.08	3.33	37.83	27.85	3.25	78.10
47.50	159.53	30.47	197.91	80.72	11.11	142.43
11.61	48.78	11.09	82.82	45.91	10.93	104.66
12.21	38.75	6.43	52.96	31.69	8.36	66.12
10.64	46.46	9.64	75.49	38.56	8.36	78.95
5.93	21.03	3.85	33.15	18.73	8.36	47.47
3.93	13.09	2.55	18.26	10.27	7.02	27.60

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12.85	40.88	9.33	80.86	67.01	9.51	168.03
20.54	65.91	15.55	135.47	105.08	16.52	278.84
56.57	143.70	26.38	177.88	118.87	14.43	253.79
98.64	258.77	45.87	327.35	211.70	28.25	458.52
28.28	87.98	18.53	136.50	109.84	16.43	247.85
9.44	35.71	7.85	67.81	51.83	8.92	138.29
31.37	104.98	21.46	155.57	108.69	15.98	248.35
26.38	73.27	14.12	103.69	75.50	13.00	186.78
18.22	41.40	9.82	72.04	63.88	10.27	163.11
8.52	29.96	7.51	72.50	74.37	12.82	248.03
10.85	26.80	4.74	31.49	26.23	7.69	90.46
0.69	2.36	0.56	3.11	7.85	3.69	43.42
30.54	85.90	15.52	122.16	93.49	14.67	262.75
22.63	61.46	13.55	94.98	74.70	11.79	200.89
18.10	31.74	7.44	62.09	66.10	11.99	194.02
28.09	87.09	21.36	178.26	150.31	24.45	385.33
46.63	110.41	22.56	163.67	119.14	15.90	265.18
6.49	24.15	6.71	61.54	56.58	7.83	147.99
11.77	49.70	12.53	125.87	125.02	19.22	316.03
5.71	29.63	8.63	96.53	98.61	14.91	269.27
10.45	43.93	10.51	92.30	79.95	12.30	202.85

11.29	47.97	12.02	142.08	131.62	19.77	324.39
1.87	11.12	3.59	45.24	51.72	7.94	157.75
23.84	64.56	12.81	97.67	85.88	15.11	202.75
3.75	13.79	4.47	31.45	37.56	10.54	135.22
0.45	2.12	0.57	5.74	5.94	2.85	28.46
2.92	7.28	1.21	7.12	7.12	3.58	34.77
29.06	88.24	16.37	119.20	80.58	11.75	178.92

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39.82	126.87	24.63	166.45	102.09	13.33	226.91
24.35	79.16	13.77	85.17	63.05	9.42	157.6
72.25	161.92	30.25	209.06	128.87	16.59	253.35
0.73	2.51	2.19	43.16	90.53	4.96	237.45
38.38	167.85	33.09	226.98	149.33	15.74	265.71
53.57	147.97	31.6	210.51	123.78	10.91	202.38
81.6	402.58	82.98	474.61	201.9	6.31	255.43
1.38	6.12	1.71	16.09	19.59	5.39	84.94
9.1	37.12	8.33	58.96	59.51	7.33	171.33
1.35	13.8	2.87	44.9	36.42	11.85	131.56
82.37	222.68	39.24	206.93	104.98	16.82	211.65
40.44	129.47	28.01	198.96	155.58	10.26	281.85

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4.44	10.30	1.71	8.03	3.47	3.08	10.90
1.22	4.92	1.14	10.56	7.10	3.87	21.79
2.22	7.29	1.51	11.10	10.49	4.58	27.26
41.78	133.41	24.23	168.22	68.74	15.58	122.46
22.22	82.17	14.91	102.88	50.61	12.08	108.46
2.96	8.68	1.71	9.99	6.85	6.17	16.11
6.69	19.15	3.42	21.78	10.83	6.85	31.37
9.33	31.62	6.27	46.02	30.09	16.95	83.78
4.18	16.31	3.23	25.07	17.09	8.40	44.18
3.93	13.09	2.55	18.26	10.27	7.02	27.60
8.71	29.14	5.50	33.50	18.85	12.74	55.80
2.10	7.73	1.45	9.19	4.71	4.43	12.24
2.80	8.80	1.68	10.65	5.98	4.93	17.75
111.89	154.46	21.40	80.17	21.34	4.69	23.95
2.20	7.16	1.48	10.93	6.76	4.92	20.38
2.17	9.40	2.63	24.60	24.10	7.50	76.00
2.37	10.54	2.72	24.60	19.76	5.31	62.19
7.96	23.31	3.88	24.13	10.43	3.49	22.38
10.07	28.48	5.17	31.88	16.14	6.01	32.69
14.98	35.17	5.29	31.56	16.16	6.03	32.19
82.61	262.74	39.72	244.88	90.73	18.27	159.75

Tb	Dy	Ho	Er	Tm	Yb	Lu
16.06	135.65	34.29	108.02	13.37	77.35	10.11
34.97	296.89	76.10	225.92	27.33	161.10	20.85
51.82	387.92	89.36	254.00	30.92	169.89	23.12
52.23	392.85	87.96	266.10	30.65	181.63	23.98
22.37	190.65	45.19	134.34	12.58	81.97	10.73
22.33	173.70	42.44	133.36	15.57	89.37	11.65
16.11	126.56	29.37	94.31	10.89	58.19	8.10
62.87	520.33	125.20	379.55	43.49	270.19	34.66
80.63	621.88	145.21	454.13	53.49	314.11	41.32
37.92	283.08	67.48	206.72	24.43	142.75	18.63
83.69	674.32	159.69	495.21	61.08	353.81	45.29
27.42	214.87	48.81	150.66	17.55	99.06	12.93
22.20	165.31	38.24	117.32	13.10	75.39	9.52
44.53	345.62	80.49	238.02	27.89	161.02	21.28
45.22	358.93	83.38	249.82	30.16	167.20	22.48
37.72	298.54	67.84	207.32	25.24	143.57	18.98
37.76	314.14	78.51	254.41	29.66	175.67	23.67
34.67	273.69	63.41	189.60	22.42	126.64	16.32
29.88	252.78	63.01	203.89	23.69	151.76	18.75
49.49	361.64	81.08	235.61	28.60	160.73	20.63
54.75	399.76	88.91	267.91	30.80	182.08	24.22
18.13	143.44	34.57	100.97	11.60	62.12	8.34
47.91	355.26	87.30	258.85	29.73	169.76	22.86
44.94	332.95	75.51	220.66	25.20	144.46	19.20
15.86	135.55	33.14	100.22	10.85	68.48	9.07
98.58	783.09	169.63	527.89	62.29	350.68	46.29
12.33	91.06	24.21	66.26	7.90	47.21	5.91
51.59	399.77	89.68	264.43	30.64	173.91	22.85
22.16	174.65	42.08	126.11	14.72	80.45	10.40
59.24	488.25	118.65	363.06	44.49	244.91	33.74
13.34	107.59	28.74	87.70	10.46	53.51	7.75
9.36	84.62	23.61	74.89	9.18	56.75	8.30
16.93	123.40	29.59	91.64	10.16	60.61	7.87

sions

77.34	603.21	136.81	405.29	56.49	302.82	38.55
70.71	572.53	106.57	292.68	33.95	220.54	28.84
36.53	272.15	54.44	155.43	20.18	115.1	15.86
19.17	131.54	27.86	80.92	9.15	55.77	7.83
42.72	261.38	54.46	146.78	18.88	93.72	12.38

trix

23.10	163.76	37.60	119.93	15.28	92.53	11.73
18.03	121.21	30.92	92.80	11.81	65.82	9.12
25.92	202.37	46.23	147.16	19.18	106.70	15.12
12.03	86.28	20.89	65.68	8.48	50.73	6.30
14.68	104.47	25.44	80.38	11.16	66.66	8.51
27.68	165.26	38.66	104.65	12.10	75.85	9.82
32.43	205.13	45.99	121.56	15.73	91.17	12.26
27.65	169.26	38.88	122.85	16.05	97.20	12.34
21.80	163.12	32.32	103.97	13.23	77.34	10.84
15.72	106.81	26.64	83.45	10.48	62.70	7.66
14.42	103.10	24.05	78.72	10.29	57.40	6.84
14.44	97.39	22.90	70.65	7.71	43.48	6.20
14.91	106.11	24.57	72.24	9.38	54.10	7.30
11.85	82.38	19.20	57.89	7.29	41.77	5.21
13.01	94.77	22.64	67.38	8.42	40.42	4.93
24.07	173.31	43.76	129.42	16.36	98.95	12.38
18.01	139.77	35.57	101.94	12.53	78.82	10.14
11.77	97.28	24.17	71.81	8.96	50.81	7.18
13.79	110.37	25.63	78.02	9.94	56.09	7.04
6.91	52.07	12.84	41.58	5.27	33.70	4.94
6.78	63.40	18.78	74.79	10.71	75.98	11.30

trix

32.18	232.89	53.42	159.45	19.87	115.59	15.33
55.34	426.02	97.93	288.55	37.66	230.50	29.45
46.35	322.86	66.15	178.67	22.50	133.73	16.50
85.80	621.06	130.83	363.07	47.04	269.94	33.62
47.17	338.35	69.14	191.41	24.11	132.84	16.84
25.03	181.20	39.89	114.93	13.69	75.42	9.49
43.89	325.29	71.46	208.70	25.55	140.94	17.84
33.80	260.16	54.52	164.17	20.51	129.55	16.68
29.21	227.50	46.47	128.18	15.65	92.73	11.73
46.17	363.01	78.65	218.73	29.05	167.03	21.52
20.36	167.70	40.10	115.17	15.49	96.07	12.19
9.49	79.58	20.20	59.02	7.31	43.33	5.73
56.87	468.79	108.04	324.42	44.88	269.30	34.33
42.49	343.11	77.69	240.73	32.45	194.00	24.57
40.87	297.00	66.66	199.99	25.70	149.81	19.68
77.09	571.59	120.92	362.22	47.13	268.25	33.95
52.63	400.58	88.01	267.61	33.32	200.75	24.53
28.38	212.13	46.40	129.43	15.56	88.57	11.99
66.27	484.41	105.71	296.19	38.96	231.52	27.33
52.78	394.37	85.79	249.64	32.03	181.34	23.15
37.35	270.36	54.08	153.12	18.60	111.77	13.25

68.94	544.10	121.59	404.19	52.23	346.86	44.32
31.86	261.24	58.44	185.42	22.76	154.31	19.10
40.64	334.74	78.21	236.55	32.87	202.96	26.99
31.46	260.57	53.32	175.82	21.05	127.20	17.00
7.89	83.57	21.89	77.85	10.99	78.04	10.68
8.41	79.27	19.34	62.70	8.03	50.54	6.52
33.13	247.95	50.44	148.88	17.66	103.60	12.32

sions

46.2	315.42	64.79	189.36	22.72	121.59	14.02
27.92	179.08	42.47	110.53	12.23	82.3	9.17
47.48	308	64.21	189.07	22.36	133.94	17.26
43.34	327.99	78.74	235.19	30.91	182.41	23.45
41.2	262.02	52.97	151.1	20.25	120.39	15.25
32.17	222.44	50.05	141.28	20.06	110.56	13.21
41.18	234.77	39.52	87.12	10.29	55.25	6.72
21.54	209.9	56.69	163.26	21.98	127.73	16.3
36.72	298.58	65.17	178.75	25.39	155.85	19.26
28.85	266.9	57.65	174.93	27.32	144.96	21.2
45.94	309.64	67.01	165.82	22.13	124.19	15.36
47.18	354.16	86.02	223.3	29.04	164.91	23.77

trix

2.58	26.18	8.17	30.49	4.24	28.11	4.36
4.58	47.35	12.92	46.18	6.56	41.02	6.05
5.91	53.22	16.23	60.57	6.00	50.80	7.46
19.81	146.79	31.82	104.05	13.39	90.49	13.30
17.50	147.77	34.23	121.43	16.09	110.43	15.68
3.95	41.96	12.75	49.94	7.39	51.98	8.54
6.97	70.88	20.24	80.05	11.39	75.13	11.18
18.40	179.31	53.37	211.61	30.51	216.43	31.87
10.17	89.99	27.44	99.58	14.51	99.15	14.68
6.78	63.40	18.78	74.79	10.71	75.98	11.30
13.75	131.13	39.58	156.60	21.96	149.81	22.61
2.82	28.32	8.85	35.32	4.98	35.99	6.11
3.77	37.54	11.32	45.08	6.34	44.43	6.75
2.79	23.22	6.11	25.24	3.43	19.78	4.22
4.63	43.28	12.60	45.09	6.77	47.20	7.15
15.18	124.94	32.75	114.17	15.49	101.68	14.60
11.08	86.85	23.06	78.40	10.03	67.42	9.61
3.99	36.71	11.19	43.62	6.53	45.57	6.64
6.69	60.89	18.42	76.66	11.75	78.25	11.19
6.71	72.75	20.08	79.79	9.44	71.33	9.70
24.44	200.36	48.07	176.32	24.85	172.93	24.22

Hf	Pb	Pb_{ap}	Th	U	Eu/Eu*
0.30	4.42	2.54	4.21	0.89	1.01
b.d.l	3.97	2.61	10.61	7.85	0.62
b.d.l	3.24	2.13	4.21	6.77	0.30
0.91	6.45	3.78	15.44	9.84	0.33
1.09	7.85	4.60	4.93	3.21	0.44
b.d.l	3.07	1.77	1.69	2.24	0.63
b.d.l	2.55	1.47	1.01	0.41	0.41
b.d.l	8.10	4.67	20.99	19.39	0.51
b.d.l	15.09	7.24	37.51	29.34	0.40
b.d.l	4.31	2.07	4.20	6.20	0.38
0.11	24.56	11.78	69.32	49.86	0.42
b.d.l	2.02	1.24	1.43	2.83	0.36
b.d.l	2.34	1.26	0.71	1.46	0.41
b.d.l	N.D.	3.68	5.76	6.86	0.37
b.d.l	N.D.	2.41	5.13	8.08	0.40
b.d.l	3.22	1.93	2.83	5.48	0.43
b.d.l	4.16	2.49	5.36	8.06	0.80
0.15	N.D.	1.77	3.09	5.01	0.39
5.51	N.D.	1.93	17.21	5.38	0.80
b.d.l	4.32	2.40	7.20	6.64	0.32
b.d.l	N.D.	3.23	10.63	11.25	0.32
b.d.l	4.32	1.56	0.45	1.04	0.42
b.d.l	4.08	2.47	6.45	9.06	0.40
0.43	N.D.	1.46	4.10	6.38	0.31
0.58	N.D.	2.10	2.41	0.80	0.63
0.91	N.D.	4.96	26.37	29.09	0.29
b.d.l	N.D.	b.d.l	b.d.l	0.06	0.77
b.d.l	N.D.	2.27	3.89	6.03	0.28
b.d.l	N.D.	1.33	0.20	0.79	0.39
0.16	N.D.	4.92	18.97	18.59	0.55
b.d.l	N.D.	24.79	1.12	1.18	0.48
0.46	N.D.	3.26	0.64	0.44	1.97
b.d.l	N.D.	1.94	1.03	0.84	0.48
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b.d.l	17.04	4.62	18.69	27.06	0.401
b.d.l	N.D.	6.95	33.37	18.74	0.563
b.d.l	N.D.	2.92	9.28	7.91	0.491
b.d.l	N.D.	1.85	3.3	2.62	0.512
b.d.l	N.D.	2.57	5.78	5.97	0.545

b.d.1	N.D.	1.85	6.33	22.47	0.29
b.d.1	5.31	1.40	2.42	9.94	0.34
b.d.1	9.10	2.40	8.23	25.34	0.35
b.d.1	4.31	1.46	0.28	4.06	0.37
b.d.1	3.81	1.29	1.13	7.71	0.38
b.d.1	N.D.	2.30	6.37	18.42	0.28
1.38	N.D.	3.17	10.34	20.25	0.24
b.d.1	N.D.	2.34	5.25	18.55	0.33
2.10	N.D.	2.25	3.57	13.53	0.36
b.d.1	N.D.	27.71	2.95	8.23	0.42
b.d.1	N.D.	1.45	0.18	4.47	0.16
12.53	N.D.	341.78	47.65	3.13	0.18
b.d.1	N.D.	75.22	5.04	4.82	0.27
b.d.1	N.D.	1.19	b.d.1	2.32	0.25
b.d.1	N.D.	47.03	b.d.1	6.39	0.21
b.d.1	6.16	1.95	4.99	21.14	0.32
b.d.1	4.79	2.07	5.46	20.64	0.48
b.d.1	36.58	10.65	1.34	5.60	0.56
b.d.1	5.29	1.54	1.87	9.54	0.46
b.d.1	N.D.	18.30	b.d.1	4.03	0.86
b.d.1	N.D.	1.34	b.d.1	b.d.1	1.27

b.d.1	2.34	1.32	0.52	5.81	0.27
b.d.1	N.D.	1.88	2.43	17.65	0.30
b.d.1	7.75	2.62	4.97	13.63	0.25
b.d.1	11.54	5.90	26.03	46.43	0.28
b.d.1	4.95	2.25	3.98	14.91	0.30
b.d.1	3.86	1.75	0.87	4.79	0.32
b.d.1	N.D.	2.75	5.92	18.47	0.30
b.d.1	5.86	1.90	2.05	9.33	0.33
b.d.1	N.D.	2.00	1.30	6.85	0.31
b.d.1	N.D.	2.30	6.93	14.64	0.29
b.d.1	N.D.	1.76	0.57	4.68	0.48
b.d.1	2.04	0.86	b.d.1	0.54	0.61
b.d.1	N.D.	3.60	14.74	29.07	0.29
b.d.1	N.D.	2.45	7.75	15.23	0.29
b.d.1	4.10	2.04	2.64	16.14	0.32
b.d.1	15.10	4.09	15.24	49.38	0.31
b.d.1	N.D.	2.59	5.98	22.23	0.27
b.d.1	5.50	1.37	1.14	7.83	0.26
b.d.1	N.D.	2.46	7.85	42.64	0.30
b.d.1	N.D.	2.12	6.35	33.29	0.28
b.d.1	5.33	1.46	2.91	12.71	0.30

b.d.l	10.00	3.97	21.53	52.22	0.29
b.d.l	N.D.	1.34	2.26	10.33	0.27
b.d.l	N.D.	4.23	8.51	16.67	0.35
b.d.l	N.D.	1.64	0.91	5.38	0.45
b.d.l	N.D.	1.05	b.d.l	1.22	0.67
b.d.l	3.02	1.16	0.08	0.90	0.70
b.d.l	5.53	2.16	2.36	9.71	0.30
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b.d.l	17.92	3.35	5.89	19.22	0.268
b.d.l	9.07	4.16	b.d.l	5.61	0.289
3.56	N.D.	9.25	12.02	21.63	0.281
b.d.l	N.D.	5.68	3.19	6.02	0.103
b.d.l	19.79	5.37	2.27	9.98	0.242
4.24	N.D.	12.94	5.16	15.67	0.211
b.d.l	28.79	4.01	1.55	3.95	0.085
b.d.l	24.18	4.85	4.02	7.79	0.404
5.37	39.33	8.45	2.05	15.25	0.222
b.d.l	3.78	2.21	1.81	11.62	0.523
23.96	N.D.	48.57	b.d.l	3.01	0.345
b.d.l	49.25	6.7	1.09	10.34	0.150
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b.d.l	N.D.	1.31	0.21	0.62	1.53
b.d.l	1.69	0.71	0.13	2.30	0.95
0.24	N.D.	1.61	0.15	2.55	0.83
b.d.l	7.60	2.07	2.20	19.23	0.52
b.d.l	N.D.	1.51	2.18	19.58	0.50
b.d.l	2.57	1.26	0.06	2.59	1.80
0.35	N.D.	2.72	0.86	6.91	1.14
0.11	6.13	2.06	5.74	29.10	1.03
b.d.l	3.08	1.87	1.38	11.50	0.93
b.d.l	5.98	1.34	1.96	9.07	1.27
b.d.l	14.93	3.33	6.12	30.41	1.20
b.d.l	N.D.	0.98	0.06	1.96	1.78
b.d.l	2.09	1.26	0.04	1.87	1.46
b.d.l	N.D.	55.60	1.64	1.27	0.63
0.14	N.D.	1.11	0.07	2.07	1.28
0.09	N.D.	3.01	1.71	13.24	0.54
b.d.l	N.D.	1.36	0.76	6.38	0.46
b.d.l	N.D.	1.57	0.01	0.52	0.70
b.d.l	N.D.	1.48	0.05	3.16	0.80
b.d.l	N.D.	4.38	3.17	5.03	0.81
b.d.l	N.D.	3.97	16.37	49.84	0.46

Titre: Understanding preservation of primary signatures in apatite by comparing matrix and zircon-hosted crystals from the Eoarchean Acasta Gneiss Complex (Canada)

Antoine, C., Bruand, E., Guitreau, M., Devidal, J-L

