

Table SM8: Rare Earth Element LA-ICP-MS analyses on calcite veins and wall rocks (data in ppm)

Sample	Vein Type	Spot #	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
AC15	shear (crack-and-seal)	vein_a #1	4.17	11.24	1.70	8.66	2.61	1.13	2.47	-	2.80	0.51	1.52	0.16	0.93	0.12
AC15	shear (crack-and-seal)	vein_a #2	4.78	13.10	1.91	11.21	3.70	1.72	3.68	-	4.06	0.77	2.21	0.25	1.60	0.17
AC15	shear (crack-and-seal)	vein_a #3	0.92	1.99	0.26	1.40	0.41	0.13	0.40	-	0.36	0.08	0.22	0.04	0.18	0.02
AC15	shear (crack-and-seal)	vein_a #4	0.62	1.37	0.19	0.78	0.14	0.08	0.18	-	0.29	0.06	0.20	0.02	0.19	0.03
AC15	shear (crack-and-seal)	vein_a #5	0.51	1.19	0.16	0.92	0.23	0.14	0.28	-	0.26	0.07	0.17	0.02	0.14	0.02
AC15	shear (crack-and-seal)	vein_a #6	6.38	11.76	1.29	6.38	1.20	0.45	1.05	-	1.29	0.25	0.76	0.10	0.69	0.09
AC15	shear (crack-and-seal)	vein_a #7	5.46	13.30	1.90	10.54	2.70	1.65	3.25	-	3.27	0.65	1.76	0.19	1.07	0.12
AC15	shear (crack-and-seal)	vein_a #8	5.45	14.25	1.93	11.39	3.63	1.79	3.83	-	3.92	0.73	1.98	0.23	1.29	0.15
AC15	shear (crack-and-seal)	vein_a #9	6.77	18.75	2.61	14.79	4.44	1.67	3.96	-	3.70	0.66	1.87	0.23	1.36	0.16
AC15	shear (crack-and-seal)	vein_a #10	53.52	90.24	8.86	39.46	5.96	1.89	4.11	-	2.97	0.59	1.74	0.26	1.61	0.17
AC15	shear (crack-and-seal)	vein_a #11	0.58	1.46	0.23	1.02	0.23	0.12	0.33	-	0.35	0.07	0.25	0.03	0.23	0.03
AC15	shear (crack-and-seal)	vein_a #12	0.52	1.33	0.14	0.85	0.20	0.16	0.21	-	0.26	0.06	0.19	0.02	0.18	0.02
AC15	shear (crack-and-seal)	vein_a #13	6.36	15.08	1.86	9.30	2.25	0.77	2.18	-	2.44	0.46	1.36	0.16	1.11	0.12
AC15	shear (crack-and-seal)	vein_a #14	5.79	14.54	1.92	9.38	2.38	0.85	2.41	-	2.69	0.52	1.45	0.17	1.23	0.13
AC15	shear (crack-and-seal)	vein_a #15	5.46	14.18	1.84	8.97	2.43	0.99	2.56	-	2.73	0.52	1.51	0.18	1.23	0.14
AC15	shear (crack-and-seal)	vein_a #16	5.05	13.99	1.93	9.81	2.42	0.98	2.75	-	2.81	0.54	1.53	0.21	1.38	0.14
AC15	shear (crack-and-seal)	vein_a #17	6.27	14.83	2.05	10.88	3.01	1.19	3.46	-	3.77	0.78	2.23	0.25	1.52	0.20
AC15	shear (crack-and-seal)	vein_a #18	5.85	15.38	2.05	10.13	2.79	1.19	3.16	-	3.63	0.75	2.00	0.27	1.53	0.18
AC15	shear (crack-and-seal)	vein_a #19	4.82	12.08	1.64	8.67	2.35	1.02	3.11	-	3.24	0.70	1.83	0.21	1.45	0.16
AC15	shear (crack-and-seal)	vein_a #20	21.08	38.06	4.42	19.71	4.33	1.68	4.43	-	4.77	0.95	2.50	0.30	1.73	0.25
AC15	shear (breccia)	vein_a #21	2.88	6.51	0.97	5.61	1.41	0.68	1.58	-	1.40	0.26	0.64	0.08	0.41	0.05
AC15	shear (breccia)	vein_a #22	3.34	7.71	1.14	6.08	1.75	0.74	1.67	-	1.40	0.26	0.68	0.08	0.40	0.05
AC15	shear (breccia)	vein_a #23	6.12	16.72	2.28	11.78	3.25	1.19	3.10	-	2.99	0.55	1.55	0.18	1.14	0.13
AC15	shear (breccia)	vein_a #24	5.75	14.50	2.02	11.08	3.13	1.16	2.82	-	2.66	0.52	1.37	0.14	1.01	0.12
AC15	shear (breccia)	vein_a #25	3.82	8.53	1.29	6.90	1.85	1.02	1.93	-	1.88	0.32	0.85	0.10	0.52	0.05
AC15	shear (breccia)	vein_a #26	4.03	9.73	1.40	7.84	1.99	0.93	2.12	-	2.07	0.38	1.05	0.11	0.68	0.08
AC15	shear (breccia)	vein_a #27	2.26	3.93	0.59	3.34	0.89	0.73	1.09	-	0.92	0.18	0.47	0.04	0.25	0.02
AC15	shear (breccia)	vein_a #28	2.17	4.05	0.59	3.21	0.89	0.64	1.03	-	0.86	0.16	0.41	0.04	0.20	0.02
AC15	shear (breccia)	vein_a #29	3.42	7.47	1.06	5.85	1.65	0.79	1.63	-	1.54	0.29	0.84	0.09	0.53	0.05
AC15	shear (breccia)	vein_a #30	2.86	6.09	0.86	5.18	1.45	0.74	1.51	-	1.42	0.27	0.71	0.07	0.39	0.04
AC26	crack-and-seal shear	vein_a #1	0.80	1.93	0.29	2.17	0.98	1.29	0.93	-	0.61	0.11	0.24	0.03	0.08	0.01

See correspondence between entries in the "Spot #" column with the labels on thin sections scans also included in the Supplementary material

Table SM8: Rare Earth Element LA-ICP-MS analyses on calcite veins and wall rocks (data in ppm)

Sample	Vein Type	Spot #	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
AC26	crack-and-seal shear	vein_a #2	0.38	0.96	0.14	0.92	0.50	0.59	0.41	-	0.34	0.06	0.17	0.02	0.09	0.01
AC26	crack-and-seal shear	vein_a #3	1.72	4.03	0.64	3.97	1.63	2.72	1.49	-	1.23	0.17	0.43	0.04	0.23	0.02
AC26	crack-and-seal shear	vein_a #4	1.82	4.55	0.68	4.64	2.00	2.53	1.87	-	1.33	0.21	0.52	0.06	0.27	0.03
AC26	crack-and-seal shear	vein_a #5	0.10	0.23	0.04	0.19	0.06	0.14	0.10	-	0.11	0.02	0.05	0.01	0.05	0.01
AC26	crack-and-seal shear	vein_a #6	2.09	5.20	0.82	5.32	2.23	3.08	2.19	-	1.59	0.29	0.53	0.07	0.32	0.04
AC26	crack-and-seal shear	vein_a #7	2.29	5.08	0.77	4.87	2.15	3.32	2.34	-	1.61	0.25	0.55	0.06	0.28	0.03
AC26	crack-and-seal shear	vein_a #8	2.46	6.19	0.94	6.27	2.44	3.46	2.22	-	1.92	0.28	0.63	0.08	0.31	0.04
AC26	crack-and-seal shear	vein_a #9	16.73	35.60	4.16	21.01	7.36	3.09	5.42	-	5.15	1.01	2.89	0.40	3.13	0.39
AC26	crack-and-seal shear	vein_a #10	14.98	28.22	3.28	17.79	5.44	2.48	4.28	-	3.83	0.75	1.97	0.24	1.93	0.27
AC26	crack-and-seal shear	vein_a #11	2.48	3.66	0.54	3.01	1.39	1.39	1.21	-	0.89	0.15	0.37	0.03	0.25	0.03
AC26	crack-and-seal shear	vein_a #12	0.42	0.90	0.13	0.75	0.32	0.62	0.35	-	0.19	0.03	0.09	0.01	0.04	0.01
AC26	crack-and-seal shear	vein_a #13	0.94	1.60	0.21	1.58	0.59	0.93	0.47	-	0.41	0.07	0.17	0.01	0.06	0.01
AC26	crack-and-seal shear	vein_a #14	6.05	11.87	1.57	8.58	2.99	1.77	2.38	-	1.97	0.35	1.00	0.13	0.78	0.10
AC26	crack-and-seal shear	vein_a #15	0.80	1.76	0.29	1.75	0.53	1.02	0.74	-	0.42	0.07	0.18	0.01	0.09	0.01
AC26	crack-and-seal shear	vein_a #16	2.97	6.45	0.82	4.30	1.75	1.41	1.28	-	1.10	0.18	0.46	0.06	0.46	0.04
AC26	crack-and-seal shear	vein_a #17	2.00	6.15	0.56	3.61	1.52	1.08	1.19	-	1.19	0.22	0.52	0.07	0.35	0.04
AC26	crack-and-seal shear	vein_a #18	4.87	10.04	1.39	6.95	2.52	1.34	2.24	-	2.20	0.40	1.14	0.13	0.97	0.12
MC3	fault-parallel extensional	vein_a #1	59.95	104.10	10.54	40.27	5.99	1.57	5.35	-	5.65	1.20	3.94	0.53	4.14	0.51
MC3	fault-parallel extensional	vein_a #2	55.49	168.80	25.71	139.70	35.98	7.91	31.05	-	25.30	4.43	11.43	1.28	8.39	0.86
MC3	fault-parallel extensional	vein_a #3	11.78	30.65	4.37	24.38	7.84	2.35	7.41	-	7.58	1.27	3.55	0.47	2.78	0.34
MC3	fault-parallel extensional	vein_a #4	8.78	25.21	3.72	20.84	6.79	2.21	6.55	-	6.62	1.16	3.01	0.32	2.59	0.25
MC3	fault-parallel extensional	vein_a #5	15.54	36.25	5.09	24.95	5.48	1.77	5.51	-	5.66	1.07	3.07	0.39	2.27	0.30
MC3	fault-parallel extensional	vein_a #6	50.50	122.70	13.22	50.96	9.68	2.24	8.29	-	8.85	1.92	5.78	0.80	5.47	0.66
MC3	fault-parallel extensional	vein_a #7	60.81	154.70	17.11	70.04	11.99	3.28	10.70	-	11.48	2.60	8.16	1.11	7.44	0.87
MC3	fault-parallel extensional	vein_a #8	118.30	199.00	18.90	69.60	11.48	2.51	9.09	-	10.52	2.24	7.28	1.04	8.00	1.01
MC3	fault-parallel extensional	vein_a #9	125.50	205.20	19.01	71.69	11.86	2.63	10.62	-	12.18	2.56	8.13	1.22	8.96	1.14
MC3	fault-parallel extensional	vein_a #10	80.53	132.80	12.08	47.46	7.99	1.76	6.86	-	7.13	1.46	4.81	0.68	5.76	0.76
MC3	fault-parallel extensional	vein_a #11	56.42	128.80	14.08	57.50	9.83	2.48	8.55	-	9.25	1.88	5.90	0.81	5.19	0.62
MC3	fault-parallel extensional	vein_a #12	23.98	56.86	6.51	29.25	5.58	1.55	5.71	-	6.39	1.29	4.11	0.48	3.52	0.37
MC3	breccia	vein_b #1	35.04	73.91	9.57	43.84	10.28	2.55	8.66	-	9.28	1.98	5.43	0.72	4.60	0.61
MC3	breccia	vein_b #2	16.36	45.81	7.01	35.27	10.57	2.50	11.03	-	12.15	2.40	6.62	0.91	5.92	0.76

See correspondence between entries in the "Spot #" column with the labels on thin sections scans also included in the Supplementary material

Table SM8: Rare Earth Element LA-ICP-MS analyses on calcite veins and wall rocks (data in ppm)

Sample	Vein Type	Spot #	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
MC3	breccia	vein_b #3	17.73	53.36	8.21	42.93	13.17	3.23	13.85	-	15.70	3.20	8.46	1.18	7.71	0.92
MC3	breccia	vein_b #4	9.03	23.47	3.77	20.58	6.57	2.34	7.20	-	7.72	1.59	4.03	0.46	2.97	0.36
MC3	breccia	vein_b #5	10.27	29.51	4.75	25.45	8.09	2.54	9.07	-	9.81	2.05	5.44	0.70	4.22	0.55
MC3	breccia	vein_b #6	90.74	175.60	21.53	93.93	17.18	3.60	13.89	-	15.13	3.39	10.15	1.45	9.72	1.30
MC3	breccia	vein_b #7	20.19	44.34	6.04	28.82	7.35	2.15	6.67	-	6.89	1.45	4.06	0.50	3.05	0.37
MC3	breccia	vein_b #8	16.20	40.33	5.94	31.08	9.05	2.62	8.92	-	10.32	2.12	5.79	0.71	4.50	0.53
MC3	breccia	vein_b #9	10.35	28.92	4.53	24.65	7.63	2.37	8.48	-	9.37	1.95	5.44	0.73	4.03	0.52
MC3	breccia	vein_b #10	4.51	11.68	1.80	9.30	3.04	1.24	3.29	-	3.49	0.73	1.96	0.21	1.23	0.14
MC3	breccia	vein_b #11	7.60	18.71	2.85	16.08	4.72	1.85	5.53	-	5.78	1.24	2.97	0.38	2.28	0.28
MC3	breccia	vein_b #12	11.60	24.59	3.34	16.77	4.84	1.67	4.81	-	5.48	1.10	2.98	0.39	2.23	0.26
MC3	breccia	vein_b #13	9.78	22.48	3.20	15.93	4.37	1.41	4.57	-	5.29	1.10	2.83	0.37	2.43	0.29
MC3	breccia	vein_b #14	6.81	17.40	2.88	15.92	4.92	2.03	6.04	-	6.50	1.30	3.32	0.43	2.44	0.31
MC3	breccia	vein_b #15	8.62	19.41	2.80	14.39	3.96	1.39	4.18	-	4.46	0.93	2.53	0.33	1.89	0.23
MC3	breccia	vein_b #16	18.11	34.78	4.69	21.73	5.29	1.60	5.56	-	5.96	1.27	3.26	0.42	2.70	0.37
MC3	breccia	vein_b #17	10.53	22.83	3.06	16.20	4.54	1.67	4.87	-	5.10	1.00	2.64	0.32	1.98	0.23
MC3	breccia	vein_b #18	12.77	31.19	4.19	20.62	5.49	1.94	5.35	-	5.60	1.23	3.28	0.37	2.26	0.27
MC3	breccia	vein_b #19	11.59	27.91	3.78	18.80	5.02	1.91	5.09	-	5.23	1.11	2.97	0.37	2.11	0.25
MC3	breccia	vein_b #20	11.05	24.86	3.33	16.16	4.17	1.74	4.20	-	4.23	0.92	2.39	0.32	1.64	0.18
MC3	breccia	vein_b #21	9.98	21.25	2.88	14.72	4.01	1.80	4.34	-	4.12	0.95	2.34	0.28	1.61	0.20
MC3	breccia	vein_b #22	22.50	47.43	6.29	27.91	7.22	2.05	6.33	-	6.78	1.44	3.80	0.52	3.23	0.39
MC3	breccia	vein_b #23	11.23	23.36	3.05	15.56	4.22	1.64	4.67	-	4.75	0.94	2.60	0.32	1.83	0.24
MC3	breccia	vein_b #24	17.22	34.55	4.50	22.34	5.93	1.96	5.77	-	6.23	1.27	3.47	0.48	2.49	0.27
MC3	breccia	vein_b #25	2.10	4.38	0.63	3.53	1.03	0.79	1.43	-	1.36	0.26	0.65	0.08	0.43	0.05
MC3	breccia	vein_b #26	3.20	6.72	1.03	5.63	1.86	0.96	1.70	-	1.85	0.36	1.02	0.13	0.66	0.06
MC3	breccia	vein_b #27	0.61	1.02	0.13	0.83	0.29	0.21	0.30	-	0.29	0.05	0.12	0.01	0.05	0.01
MC3	breccia	vein_b #28	0.62	0.95	0.20	0.84	0.32	0.36	0.35	-	0.35	0.06	0.14	0.02	0.04	0.00
MC3	breccia	vein_b #29	1.75	3.34	0.48	2.71	0.88	0.59	0.89	-	0.87	0.20	0.54	0.06	0.34	0.03
MC3	breccia	vein_b #30	4.80	9.75	1.26	7.27	1.93	1.05	2.14	-	2.20	0.43	1.13	0.13	0.82	0.06
MC3	breccia	vein_b #31	4.37	8.99	1.16	6.41	1.71	0.89	1.73	-	1.80	0.37	1.02	0.12	0.61	0.07
MC3	breccia	vein_b #32	4.79	9.71	1.26	7.41	1.75	0.94	1.71	-	1.76	0.32	0.79	0.10	0.56	0.07
AC3a2	fault-parallel extensional	vein_a #1	41.9	93.5	9.16	39.48	7.18	1.24	5.50	-	4.25	0.65	1.53	0.18	1.06	0.13

See correspondence between entries in the "Spot #" column with the labels on thin sections scans also included in the Supplementary material

Table SM8: Rare Earth Element LA-ICP-MS analyses on calcite veins and wall rocks (data in ppm)

Sample	Vein Type	Spot #	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
AC3a2	fault-parallel extensional	vein_a #2	133	249	21.05	85.03	11.39	1.72	7.40	-	4.63	0.74	1.84	0.21	1.38	0.18
AC3a2	fault-parallel extensional	vein_a #3	77.2	191	18.24	82.12	16.75	3.01	13.50	-	9.33	1.37	2.86	0.30	1.80	0.20
AC3a2	fault-parallel extensional	vein_a #4	47.3	97.9	9.80	43.12	7.92	1.47	6.34	-	4.56	0.70	1.60	0.17	1.03	0.12
AC3a2	fault-parallel extensional	vein_b #1	73.7	136	12.34	52.81	9.45	1.58	7.06	-	5.55	0.91	2.02	0.22	1.32	0.17
AC3a2	fault-parallel extensional	vein_b #2	144	229	19.02	76.61	11.57	1.91	8.83	-	7.85	1.45	3.88	0.46	2.88	0.36
AC3a2	fault-parallel extensional	vein_b #3	155	234	18.95	71.93	9.98	1.48	6.58	-	4.79	0.83	1.97	0.22	1.29	0.17
AC3a2	fault-parallel extensional	vein_b #4	30.2	50.2	5.11	21.09	3.78	0.66	3.03	-	2.39	0.39	0.93	0.10	0.54	0.07
AC3a2	fault-parallel extensional	vein_b #5	107	188	16.38	70.74	11.84	1.95	8.60	-	5.66	0.87	1.95	0.18	1.03	0.12
AC3a2	fault-parallel extensional	vein_b #6	82	140	12.53	52.96	9.30	1.53	7.53	-	7.29	1.40	3.79	0.44	2.79	0.35
AC3a2	fault-parallel extensional	vein_b #7	102	189	16.55	67.81	12.40	1.98	9.49	-	8.31	1.38	3.42	0.38	2.48	0.29
AC3a2	fault-parallel extensional	vein_b #8	120	231	19.47	78.73	13.87	2.33	10.72	-	9.71	1.75	4.38	0.54	3.44	0.41
AC19	fault-perpendicular extensional	vein_b #1	8.79	26.12	4.56	28.84	10.86	3.20	10.57	1.69	9.89	1.82	4.40	0.51	3.09	0.33
AC19	fault-perpendicular extensional	vein_b #2	8.89	31.21	5.57	36.40	12.98	4.09	12.67	2.06	12.50	2.26	5.79	0.63	3.60	0.40
AC19	fault-perpendicular extensional	vein_b #3	13.81	42.75	7.21	43.75	14.50	4.07	14.43	2.21	13.23	2.51	6.25	0.69	4.07	0.44
AC19	fault-perpendicular extensional	vein_b #4	10.64	23.59	3.72	24.26	7.53	3.18	8.01	1.20	6.59	1.20	2.89	0.28	1.54	0.15
AC19	fault-perpendicular extensional	vein_b #5	8.29	22.10	3.68	23.99	8.52	2.97	8.62	1.29	8.04	1.38	3.33	0.32	2.00	0.22
AC19	fault-perpendicular extensional	vein_b #6	6.49	16.14	2.67	14.83	4.97	1.51	4.51	0.75	3.81	0.78	1.80	0.22	1.06	0.15
AC19	fault-perpendicular extensional	vein_b #7	9.61	28.25	4.89	31.53	11.62	3.29	11.66	1.94	11.31	1.95	5.05	0.58	3.28	0.38
AC19	fault-perpendicular extensional	vein_b #8	17.32	45.55	7.10	41.49	11.95	3.21	11.35	1.75	10.72	2.14	5.15	0.69	4.70	0.58
AC19	fault-perpendicular extensional	vein_b #9	13.14	35.60	6.08	38.51	13.40	3.95	14.00	2.17	12.91	2.37	5.89	0.66	3.77	0.43
AC19	fault-perpendicular extensional	vein_d #1	16.89	39.05	5.28	29.20	9.03	2.79	7.24	1.13	6.53	1.22	3.00	0.37	2.17	0.27
AC19	fault-perpendicular extensional	vein_d #2	21.67	50.59	7.72	46.89	13.42	3.85	11.54	1.77	10.57	1.93	4.87	0.52	3.39	0.37
AC19	fault-perpendicular extensional	vein_d #3	48.22	90.45	9.91	49.08	12.11	3.04	8.80	1.46	8.36	1.66	4.04	0.50	3.75	0.45
AC19	fault-perpendicular extensional	vein_d #4	11.06	35.99	6.04	38.64	13.72	4.19	14.09	2.29	13.85	2.56	6.28	0.79	4.36	0.53
AC19	fault-perpendicular extensional	vein_d #5	13.01	34.56	5.56	35.02	11.31	3.16	10.29	1.67	9.40	1.64	4.19	0.49	2.82	0.36
AC19	fault-perpendicular extensional	vein_d #6	13.60	37.83	5.78	37.43	10.88	3.07	10.37	1.54	8.90	1.60	4.15	0.51	2.87	0.36
AC19	fault-perpendicular extensional	vein_d #7	31.80	79.67	10.01	47.99	11.15	2.57	9.44	1.68	10.12	1.91	5.29	0.70	4.64	0.54
AC19	fault-perpendicular extensional	vein_d #8	31.51	91.12	14.19	75.31	20.85	5.20	17.20	2.94	17.39	3.14	8.25	1.00	6.18	0.84
AC19	fault-perpendicular extensional	vein_d #9	10.19	29.82	4.88	28.53	10.46	2.89	9.57	1.49	8.93	1.59	4.11	0.45	3.22	0.35
AC19	fault-parallel extensional	vein_a #1	11.51	30.42	4.96	29.91	8.79	2.67	8.16	1.31	7.75	1.46	3.81	0.44	2.81	0.33
AC19	fault-parallel extensional	vein_a #2	36.83	73.78	9.48	52.23	14.78	4.05	12.76	2.02	12.38	2.36	6.29	0.80	5.38	0.68

See correspondence between entries in the "Spot #" column with the labels on thin sections scans also included in the Supplementary material

Table SM8: Rare Earth Element LA-ICP-MS analyses on calcite veins and wall rocks (data in ppm)

Sample	Vein Type	Spot #	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
AC19	fault-parallel extensional	vein_a #3	23.28	58.18	8.05	46.14	13.14	3.46	11.41	1.85	10.87	2.13	5.49	0.65	4.92	0.56
AC19	fault-parallel extensional	vein_b #7	29.42	83.01	11.59	57.31	11.23	2.44	8.59	1.37	8.34	1.62	4.51	0.64	4.75	0.63
AC19	fault-parallel extensional	vein_b #8	8.79	26.76	4.22	23.59	6.77	1.72	6.15	0.97	6.12	1.18	3.12	0.36	2.29	0.30
AC19	fault-parallel extensional	vein_a #4	16.85	43.01	6.69	39.95	12.34	3.47	11.71	1.82	11.17	2.03	5.28	0.61	3.71	0.41
AC19	fault-parallel extensional	vein_a #5	13.11	39.01	6.46	38.39	13.06	3.68	12.98	2.05	12.59	2.27	5.80	0.66	4.07	0.48
AC19	fault-parallel extensional	vein_a #6	9.78	26.29	4.06	23.68	7.88	2.30	7.27	1.18	6.97	1.34	3.17	0.37	2.11	0.25
AC19	fault-parallel extensional	vein_c #1	11.13	32.63	4.96	26.75	6.91	1.51	6.03	0.96	6.39	1.17	3.31	0.44	2.84	0.34
AC19	fault-parallel extensional	vein_c #2	34.78	99.28	14.53	76.47	16.16	3.17	12.81	2.17	13.31	2.58	7.63	1.06	7.25	0.94
AC19	fault-parallel extensional	vein_c #3	19.58	54.74	7.62	41.09	8.36	1.81	6.66	1.08	6.68	1.33	3.98	0.53	4.00	0.56
AC19	fault-parallel extensional	vein_c #4	5.32	14.78	2.15	11.10	2.61	0.59	2.07	0.35	2.41	0.43	1.32	0.19	1.26	0.17

Sample	Type	Sr	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
AC3a2	whole rock	347	26.1	50.5	5.56	20.0	4.10	0.930	4.21	nd	3.32	0.610	1.94	0.230	1.83	0.210
AC15	whole rock	247	13.6	27.6	3.23	13.9	3.32	0.850	3.45	nd	2.60	0.461	1.26	0.155	1.04	0.140
AC19	whole rock	nd	18.66	38.16	5.34	23.83	6.03	1.32	5.56	0.8	4.43	0.83	2.88	0.31	2.00	0.290
AC26	whole rock	129	25.8	48.6	4.93	17.7	3.15	0.800	3.31	nd	2.21	0.417	1.26	0.161	1.10	0.150
MC3	whole rock	840	18.4	38.8	4.76	18.3	3.91	1.02	4.10	nd	3.52	0.685	1.97	0.258	1.66	0.230

See correspondence between entries in the "Spot #" column with the labels on thin sections scans also included in the Supplementary material