

Table T2. Representative microprobe analyses of feldspar from veins, Hole 735B. (Continued on next three pages.)

Core, section, interval (cm):	19R-1, 140-146	22R-1, 82-90	22R-1, 82-90	28R-4, 141-144	87R-7, 0-7	87R-7, 0-7	43R-4, 129-133	43R-4, 129-133	44R-1, 35-47	44R-1, 35-47	121R-3, 48-52	121R-3, 48-52	58R-3, 0-8	58R-3, 0-8	47R-2, 92-100	47R-2, 92-100	63R-1, 106-107	
Number of analyses:	2	2	1	1	2	2	3	1	1	2	1	1	2	5	1	1	2	
Vein type:	Na-Pl	Na-Pl	Na-Pl	Na-Pl	Na-Pl	Na-Pl	Pl-Di	Pl-Di	Pl-Di	Pl-Di	Pl-Di	Pl-Di	Pl-Am-Ep	Pl-Am-Ep	Pl-Am-Ep	Pl-Am-Ep	Pl-Ep-Cl	
Location:	Homo	Homo	Homo	Homo	Homo	Homo	Core	Rim	Rim	Core	Rim	Core	Rim	Core	Rim	Core	Rim	
Major element oxide (wt%):																		
SiO ₂	62.65	62.06	63.16	57.49	61.71	63.46	63.06	64.80	64.75	62.38	70.53	65.22	64.54	63.49	65.46	59.37	64.30	
TiO ₂	0.00	0.00	0.00	0.04	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.00	0.02	0.00	0.05	0.01	
Al ₂ O ₃	22.84	23.98	23.08	26.47	22.69	22.08	23.13	22.04	22.05	23.51	19.70	21.92	22.44	22.90	21.81	25.43	22.41	
Fe ₂ O ₃	0.24	0.05	0.05	0.16	0.21	0.13	0.30	0.06	0.22	0.05	0.23	0.00	0.09	0.12	0.20	0.11	0.26	
CaO	4.39	5.60	4.41	7.97	4.61	3.15	4.64	2.98	3.13	4.78	0.21	3.71	2.66	3.90	2.92	7.47	3.95	
Na ₂ O	9.26	8.28	8.79	7.38	10.18	10.48	8.73	9.66	9.17	8.78	8.46	8.44	9.96	9.17	9.43	6.94	9.06	
K ₂ O	0.04	0.02	0.05	0.03	0.05	0.05	0.03	0.03	0.58	0.03	0.00	0.00	0.01	0.15	0.04	0.21	0.38	
BaO	0.01	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.10	0.00	0.00	0.00	0.00	0.00	
Total:	99.44	99.99	99.58	99.56	99.43	99.35	99.90	99.56	99.92	99.53	99.13	99.41	99.70	99.76	99.87	99.58	100.37	
Number of ions based on 8 O:																		
Si	2.7898	2.7490	2.7998	2.5877	2.7642	2.8257	2.7902	2.8611	2.8563	2.7721	3.0569	2.8759	2.8469	2.8093	2.8774	2.6572	2.8299	
Ti	0.0000	0.0000	0.0000	0.0014	0.0000	0.0003	0.0002	0.0002	0.0000	0.0000	0.0000	0.0012	0.0000	0.0008	0.0000	0.0017	0.0004	
Al ^{IV}	1.1988	1.2510	1.2002	1.4042	1.1979	1.1488	1.2053	1.1389	1.1437	1.2279	0.9431	1.1241	1.1531	1.1901	1.1226	1.3411	1.1623	
Al ^{VI}	0.0000	0.0008	0.0056	0.0000	0.0000	0.0097	0.0009	0.0077	0.0028	0.0035	0.0634	0.0149	0.0134	0.0040	0.0071	0.0000	0.0000	
Al ions	1.1988	1.2519	1.2058	1.4042	1.1979	1.1585	1.2062	1.1466	1.1464	1.2315	1.0065	1.1390	1.1665	1.1941	1.1297	1.3411	1.1623	
Fe ⁺³	0.0081	0.0017	0.0017	0.0054	0.0069	0.0042	0.0098	0.0019	0.0073	0.0015	0.0075	0.0000	0.0030	0.0039	0.0067	0.0036	0.0085	
Ca	0.2092	0.2657	0.2094	0.3843	0.2210	0.1503	0.2200	0.1408	0.1481	0.2274	0.0097	0.1751	0.1259	0.1850	0.1376	0.3583	0.1861	
Na	0.7992	0.7110	0.7554	0.6440	0.8839	0.9046	0.7487	0.8266	0.7846	0.7566	0.7110	0.7212	0.8519	0.7868	0.8036	0.6020	0.7729	
K	0.0024	0.0011	0.0028	0.0017	0.0029	0.0027	0.0019	0.0015	0.0324	0.0016	0.0000	0.0000	0.0006	0.0087	0.0023	0.0119	0.0216	
Ba	0.0002	0.0000	0.0007	0.0004	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0001	0.0017	0.0000	0.0001	0.0000	0.0000	0.0000	
Total:	5.0077	4.9804	4.9757	5.0291	5.0768	5.0464	4.9770	4.9786	4.9754	4.9906	4.7917	4.9141	4.9947	4.9887	4.9574	4.9759	4.9817	
An	20.7	27.2	21.7	37.4	20.1	14.2	22.7	14.6	15.9	23.1	1.3	19.5	12.9	19.1	14.6	37.3	19.4	

Notes: Pl = plagioclase, Na-Pl = sodic plagioclase, Di = diopside, Am = amphibole, Ep = epidote, Bi = biotite, Qz = quartz, Cl = chlorite, Myr = myrmekite, Ap = apatite, Pr = prehnite, Sm = smectite. Inter = intermediate, Homo = unzoned grain.

Table T2 (continued).

Core, section, interval (cm):	64R-2, 100-105	64R-2, 100-105	124R-1, 111-116	124R-1, 111-116	124R-1, 111-116	124R-1, 111-116	124R-1, 111-116	124R-1, 111-116	118R-1, 76-82	118R-1, 76-82	118R-1, 76-82	118R-1, 76-82	119R-5, 62-68	119R-5, 62-68	119R-5, 62-68	45R-3, 107-112	45R-4-3, 107-112	122R-4, 0-5
Number of analyses:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
Vein type:	Pl-Ep-Cl	Pl-Ep-Cl	Myr	Myr	Myr	Myr	Myr	Myr	Pl-Am	Pl-Am	Pl-Am	Pl-Am	Pl-Am	Pl-Am	Pl-Am	Pl-Am	Pl-Am	Pl-Am
Location:	Core	Core	Homo	Homo	Homo	Homo	Homo	Homo	Rim	Core	Core	Rim	Core	Inter	Rim	Rim	Core	Rim
Major element oxide (wt%):																		
SiO ₂	57.96	58.97	66.66	66.57	67.83	70.33	63.46	63.55	63.36	63.97	64.35	62.37	66.06	68.39	64.50	61.91	68.55	
TiO ₂	0.05	0.00	0.00	0.00	0.00	0.07	0.16	0.00	0.00	0.03	0.00	0.00	0.01	0.03	0.03	0.02	0.04	
Al ₂ O ₃	26.39	25.91	20.96	20.99	20.07	19.40	22.68	22.25	22.32	22.27	21.79	23.31	20.84	19.83	21.86	23.76	19.68	
Fe ₂ O ₃	0.01	0.00	0.18	0.19	0.19	0.17	0.22	0.22	0.27	0.18	0.13	0.39	0.15	0.05	0.08	0.09	0.15	
CaO	8.46	6.67	2.72	2.68	1.54	0.09	4.75	4.39	4.59	4.30	4.11	5.42	2.51	1.12	3.02	4.96	0.95	
Na ₂ O	6.98	7.83	8.13	8.70	9.53	9.28	7.88	8.88	8.66	8.96	8.90	8.35	9.41	9.88	9.53	8.48	10.71	
K ₂ O	0.02	0.03	0.62	0.49	0.11	0.07	0.33	0.38	0.45	0.26	0.20	0.02	0.15	0.00	0.12	0.03	0.00	
BaO			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.14	0.02	0.04	0.04	0.02	0.03	
Total:	99.88	99.41	99.27	99.62	99.27	99.41	99.48	99.66	99.64	99.97	99.58	99.99	99.16	99.33	99.19	99.27	100.12	
Number of ions based on 8 O:																		
Si	2.5977	2.6430	2.9339	2.9250	2.9764	3.0514	2.8135	2.8209	2.8148	2.8272	2.8511	2.7666	2.9187	2.9944	2.8610	2.7591	2.9876	
Ti	0.0017	0.0000	0.0000	0.0000	0.0000	0.0023	0.0054	0.0000	0.0000	0.0009	0.0000	0.0000	0.0005	0.0010	0.0012	0.0007	0.0015	
Al ^{IV}	1.3939	1.3570	1.0661	1.0750	1.0236	0.9486	1.1850	1.1641	1.1684	1.1600	1.1378	1.2188	1.0812	1.0056	1.1390	1.2409	1.0111	
Al ^{VI}	0.0000	0.0116	0.0212	0.0119	0.0144	0.0434	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0042	0.0175	0.0039	0.0070	0.0000	
Al ions	1.3939	1.3686	1.0873	1.0870	1.0380	0.9920	1.1850	1.1641	1.1684	1.1600	1.1378	1.2188	1.0854	1.0231	1.1429	1.2479	1.0111	
Fe ⁺³	0.0003	0.0000	0.0059	0.0062	0.0064	0.0056	0.0072	0.0072	0.0090	0.0060	0.0042	0.0130	0.0050	0.0015	0.0027	0.0030	0.0051	
Ca	0.4062	0.3203	0.1282	0.1259	0.0723	0.0040	0.2257	0.2087	0.2187	0.2036	0.1951	0.2574	0.1186	0.0524	0.1433	0.2366	0.0445	
Na	0.6067	0.6803	0.6940	0.7412	0.8104	0.7807	0.6777	0.7639	0.7456	0.7678	0.7643	0.7179	0.8061	0.8385	0.8197	0.7323	0.9054	
K	0.0011	0.0017	0.0346	0.0276	0.0063	0.0037	0.0185	0.0213	0.0256	0.0144	0.0115	0.0009	0.0082	0.0000	0.0068	0.0020	0.0000	
Ba	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0019	0.0024	0.0004	0.0008	0.0007	0.0004	0.0005	
Total:	5.0076	5.0139	4.8839	4.9129	4.9098	4.8398	4.9331	4.9861	4.9822	4.9801	4.9659	4.9770	4.9429	4.9117	4.9784	4.9819	4.9556	
An	40.1	32.0	15.6	14.5	8.2	0.5	25.0	21.5	22.7	21.0	20.3	26.4	12.9	5.9	14.9	24.4	4.7	

Table T2 (continued).

Core, section, interval (cm):	122R-4, 0-5	122R-4, 0-5	122R-4, 0-5	122R-4, 0-5	135R-3, 68-72	135R-3, 68-72	135R-3, 68-72	137R-1, 45-49	137R-1, 45-49	137R-1, 45-49	120R.1, 85-91	120R-2, 85-91	121R-1, 81-86	121R-1, 81-86	121R-8, 1-8	121R-8, 1-8
Number of analyses:	1	1	1	1	2	1	1	2	1	1	1	3	3	3	1	1
Vein type:	Pl-Am	Pl-Am	Pl-Am	Pl-Am	Pl-Am-Bi	Pl-Am-Bi	Pl-Am-Bi	Pl-Am-Bi-Qz	Pl-Am-Bi-Qz	Pl-Am-Bi-Qz	Pl-Di-Am-Ep	Pl-Di-Am-Ep	Pl-Ep-Cl	Pl-Ep-Cl	Pl	Pl
Location:	Inter	Inter	Inter	Core	Core	Inter	Rim	Core	Inter	Rim	Core	Rim	Core	Rim	Core	Inter
Major element oxide (wt%):																
SiO ₂	67.20	65.93	64.17	63.91	60.72	62.93	66.19	57.76	61.20	65.86	58.80	66.97	67.95	69.73	61.87	63.59
TiO ₂	0.11	0.06	0.00	0.03	0.08	0.00	0.03	0.00	0.00	0.00	0.00	0.03	0.02	0.03	0.04	0.06
Al ₂ O ₃	19.76	21.13	22.23	22.63	24.07	22.74	21.03	26.08	23.77	21.06	25.14	20.52	20.24	19.56	23.60	22.20
Fe ₂ O ₃	0.18	0.06	0.17	0.21	0.30	0.33	0.15	0.27	0.17	0.25	0.34	0.18	0.18	0.13	0.24	0.18
CaO	1.63	2.76	4.31	4.57	6.47	4.69	2.58	9.01	6.22	2.69	7.84	2.05	1.76	0.60	6.01	4.60
Na ₂ O	10.00	9.00	9.08	8.47	7.94	8.07	9.32	6.45	7.67	8.98	6.73	9.74	9.45	9.05	7.71	8.25
K ₂ O	0.14	0.37	0.42	0.44	0.30	0.54	0.05	0.17	0.38	0.24	0.10	0.02	0.01	0.01	0.22	0.27
BaO	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.17	0.16	0.07	0.10	0.03	0.04	0.11	0.04	0.00
Total:	99.02	99.33	100.39	100.26	99.87	99.30	99.35	99.92	99.57	99.14	99.05	99.54	99.64	99.22	99.72	99.14
Number of ions based on 8 O:																
Si	2.9663	2.9094	2.8282	2.8170	2.7098	2.8027	2.9161	2.5957	2.7350	2.9110	2.6508	2.9418	2.9710	3.0368	2.7522	2.8292
Ti	0.0036	0.0019	0.0000	0.0010	0.0026	0.0000	0.0009	0.0000	0.0000	0.0000	0.0000	0.0011	0.0006	0.0008	0.0014	0.0019
Al ^{IV}	1.0282	1.0906	1.1546	1.1758	1.2660	1.1936	1.0839	1.3815	1.2520	1.0890	1.3357	1.0574	1.0286	0.9632	1.2369	1.1642
Al ^{VI}	0.0000	0.0083	0.0000	0.0000	0.0000	0.0000	0.0078	0.0000	0.0000	0.0081	0.0000	0.0047	0.0142	0.0408	0.0000	0.0000
Al ions	1.0282	1.0989	1.1546	1.1758	1.2660	1.1936	1.0917	1.3815	1.2520	1.0972	1.3357	1.0621	1.0429	1.0040	1.2369	1.1642
Fe ⁺³	0.0060	0.0019	0.0055	0.0069	0.0101	0.0112	0.0051	0.0093	0.0058	0.0082	0.0116	0.0059	0.0059	0.0043	0.0081	0.0061
Ca	0.0772	0.1304	0.2036	0.2157	0.3093	0.2239	0.1215	0.4336	0.2976	0.1274	0.3788	0.0965	0.0824	0.0279	0.2863	0.2193
Na	0.8562	0.7702	0.7757	0.7240	0.6866	0.6964	0.7957	0.5622	0.6644	0.7694	0.5881	0.8291	0.8009	0.7641	0.6645	0.7115
K	0.0079	0.0210	0.0238	0.0245	0.0173	0.0307	0.0028	0.0098	0.0219	0.0136	0.0055	0.0013	0.0005	0.0006	0.0124	0.0151
Ba	0.0000	0.0004	0.0002	0.0000	0.0000	0.0000	0.0001	0.0030	0.0027	0.0012	0.0018	0.0005	0.0007	0.0020	0.0007	0.0000
Total:	4.9452	4.9340	4.9916	4.9649	5.0016	4.9585	4.9339	4.9950	4.9794	4.9280	4.9725	4.9384	4.9048	4.8406	4.9625	4.9472
An	8.3	14.5	20.8	23.0	31.1	24.3	13.3	43.5	30.9	14.2	39.2	10.4	9.3	3.5	30.1	23.6

Table T2 (continued).

Core, section, interval (cm):	121R-8, 1-8	121R-8, 1-8	159R-7, 66-72	159R-7, 66-72	159R-7, 66-72	188R-5, 13-18	70R-1, 39-49	183R-3, 69-78	183R-3, 69-78	184R-2, 10-13
Number of analyses:	1	1	2	1	2	2	1	1	1	1
Vein type:	Pl	Pl	Pl-Qz-Ap	Pl-Qz-Ap	Pl-Qz-Ap	Pl-Pr-Sm	Pl-Di	Pl-Sm	Pl-Sm	Felsic
Location:	Inter	Rim	Core	Inter	Rim	Homo	Homo	Homo	Homo	Homo
Major element oxide (wt%):										
SiO ₂	67.78	69.33	60.20	60.81	67.15	67.73	64.29	62.15	62.61	65.18
TiO ₂	0.00	0.07	0.07	0.00	0.05	0.09	0.03	0.04	0.01	0.00
Al ₂ O ₃	20.28	19.20	24.22	24.04	20.01	19.81	19.29	18.69	19.23	18.20
Fe ₂ O ₃	0.27	0.26	0.27	0.20	0.00	0.19	0.23	0.06	0.00	0.00
CaO	1.78	0.51	6.49	6.04	0.71	0.30	0.55	0.07	0.02	0.05
Na ₂ O	9.35	9.83	8.50	8.70	11.69	12.16	1.02	0.19	0.29	0.20
K ₂ O	0.23	0.00	0.19	0.27	0.14	0.02	14.11	15.69	15.64	16.16
BaO	0.25	0.00	0.00	0.13	0.00	0.00	0.00	2.28	1.71	0.13
Total:	99.96	99.20	99.95	100.18	99.75	100.29	99.52	99.18	99.51	99.92
Number of ions based on 8 O:										
Si	2.9641	3.0295	2.6914	2.7108	2.9529	2.9620	2.9634	2.9483	2.9434	3.0117
Ti	0.0000	0.0024	0.0023	0.0000	0.0015	0.0028	0.0010	0.0015	0.0004	0.0000
Al ^{IV}	1.0359	0.9705	1.2761	1.2628	1.0372	1.0210	1.0366	1.0451	1.0566	0.9883
Al ^{VI}	0.0094	0.0184	0.0000	0.0000	0.0000	0.0000	0.0113	0.0000	0.0086	0.0028
Al ions	1.0453	0.9889	1.2761	1.2628	1.0372	1.0210	1.0479	1.0451	1.0652	0.9911
Fe ⁺³	0.0087	0.0086	0.0092	0.0066	0.0000	0.0061	0.0080	0.0022	0.0000	0.0000
Ca	0.0835	0.0237	0.3110	0.2885	0.0336	0.0139	0.0272	0.0038	0.0009	0.0026
Na	0.7930	0.8326	0.7369	0.7521	0.9963	1.0306	0.0911	0.0175	0.0261	0.0175
K	0.0130	0.0000	0.0109	0.0153	0.0077	0.0013	0.8293	0.9494	0.9381	0.9527
Ba	0.0044	0.0000	0.0000	0.0023	0.0000	0.0000	0.0000	0.0424	0.0315	0.0023
Total:	4.9120	4.8857	5.0377	5.0383	5.0291	5.0377	4.9680	5.0101	5.0058	4.9779
An	9.5	2.8	29.7	27.7	3.3	1.3	23.0	17.8	3.5	13.1