

Appendix 8 Result of X-ray Diffraction Analysis

No.	Drillhole	Depth(m)	Rock name	Ga	Cpx	Hb	Pt	Kf	Qz	Chl	Ep	Ms	Bt	Se	Sm	Kln	Hl	Mix	Cal	Bn	Mt	Remarks
1	MJKA-14	38.1	Dolomite						◎	○		△	○		○		O				in marble	
2	MJKA-15	109.0	Altered anorthosite or gabbro			△	○	○	○	△				○							near skarn zone	
3	MJKA-16	105.0	Mt-Hb-CaI-Qz vein		◎	○			○						-						skarn-marble contact	
4	MJKA-16	117.3	Qz-CaI rock (Brecciated, silicified limestone?)			·			○	◎				-							near skarn zone	
5	MJKA-16	150.4	argillized granodiorite porphyry			○			○	○				-			-				near fault shear zone	
6	MJKA-17	71.1	Cpx skarn (Gabbro?)	◎	○	○	△	△						◎			△				near skarn zone	
7	MJKA-17	90.3	Cpx skarn (Lamprophyre?)			○	○		○				△	○							in granodiorite	
8	MJKA-17	126.2	Granodiorite porphyry (altered)			·	○		○													

No.	Sample no.	Rock name	Ga	Cpx	Hb	Pt	Kf	Qz	Chl	Ep	Ms	Bt	Se	Sm	Kln	Hl	Mix	Cal	Bn	Mt	Remarks
1	1930C6-44.4R	Diorite	○	○	·		○		○	○	○										
2	1930C6-71CL	Skarnized limestone						○						-					○		
3	1930C6-79F	Ga skarn	◎	○				△										△			
4	1930C6-131.5FLa	Ga skarn	○	△	○									○	○	○	○	○	○	Cp	
5	No.5 ore body	SCM in silicified carbonate skarn	△	○																	green Cu ore

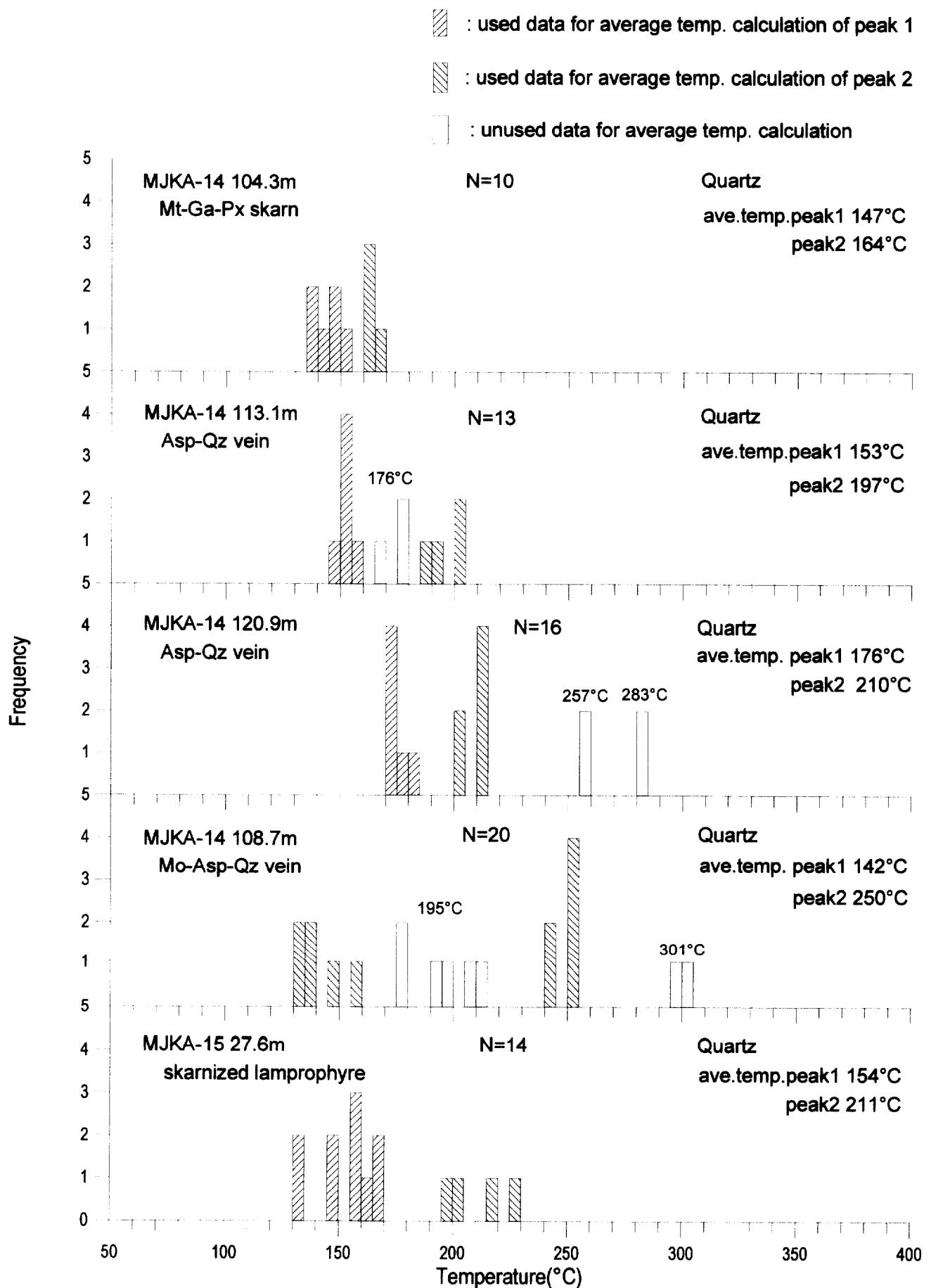
◎ : abundant, ○ : common, △ : poor, · : rare

Bn:Bornite	Hl:Hallovnite	Mix:Mixed layer
Bt:Biotite	Cpx:Clinopyroxene	Qz:Quartz
Cal:Calcite	Ep:Epidote	Se:Sericite
Ch:Chlorite	Ga:Garnet	Sm:Smeectite
	Hb:Hornblende	Mt:Magnetite
		Pi:Plagioclase

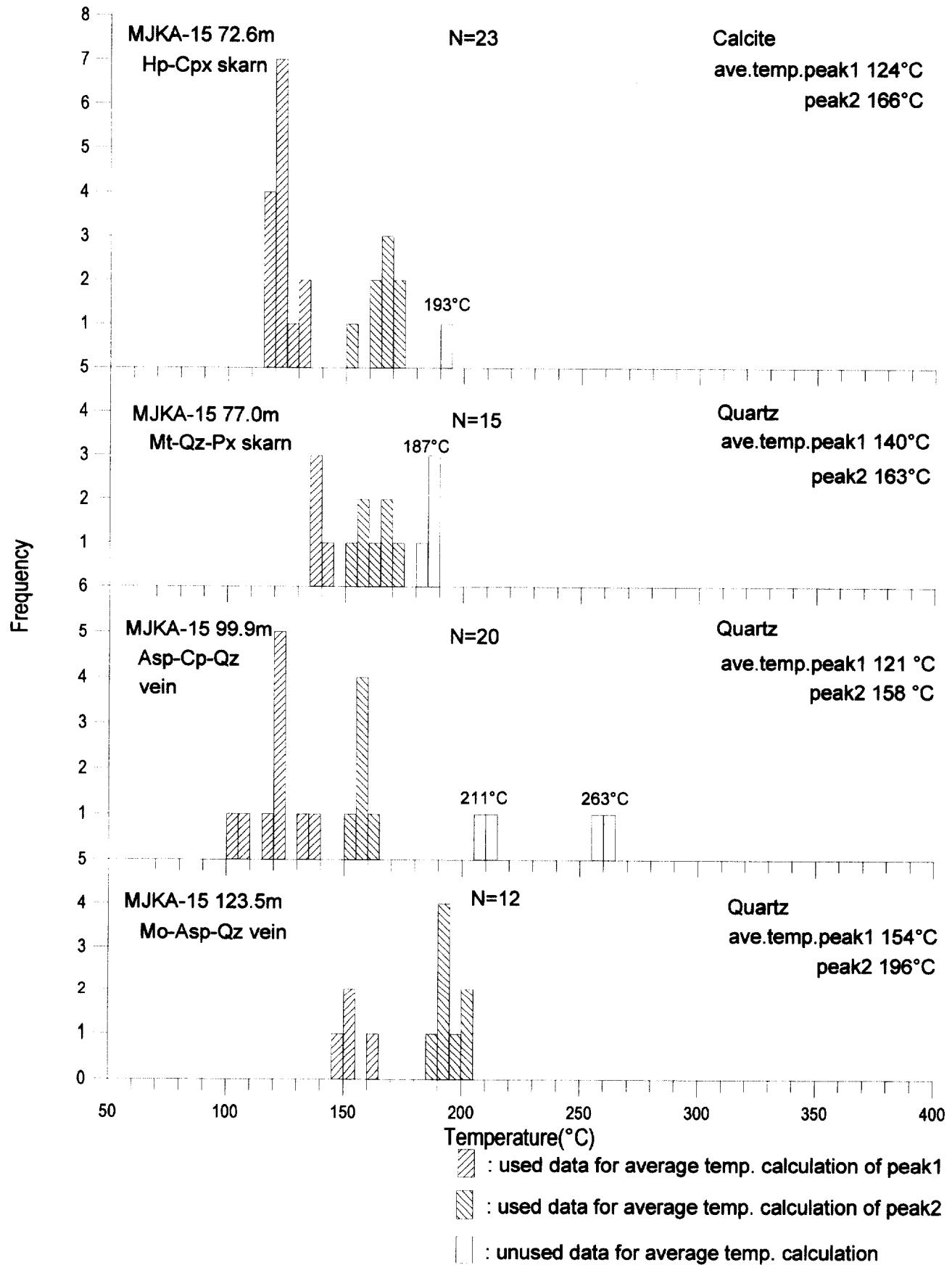
Appendix 9 Result of Homogenization Temperature Measurement of Fluid Inclusions

No	Drillhole	Depth(m)	Rock name	Mineral	Range of temperature(°C)			Number of Inclusions	Homogenization temperature(°C)						
					Min.	Max.	Ave.		139	140	145	150	155	161	
1	MJKA-14	104.3	Mt-Ga-Px skarn	quartz	139	166	153	10	139	140	145	150	155	161	163
2	MJKA-14	113.1	Asp-Qz vein	quartz	150	203	172	13	150	152	153	153	157	168	179
3	MJKA-14	120.9	Asp-Qz vein	quartz	171	284	212	16	171	173	174	175	180	182	204
4	MJKA-14	180.7	Mo-Asp-Qz vein	quartz	133	304	206	20	133	135	136	138	150	158	176
5	MJKA-15	27.6	skarnized lamprophyre	quartz	131	226	170	14	131	132	149	150	157	159	160
6	MJKA-15	72.6	Hp-Cpx skarn	calcite	118	193	140	23	118	118	120	120	122	122	123
7	MJKA-15	77.0	Mt-Qz-Px skarn	quartz	136	189	163	15	136	139	140	143	155	158	159
8	MJKA-15	99.9	Asp-Cp-Qz vein	quartz	101	265	155	20	101	109	120	122	123	123	123
9	MJKA-15	123.5	Mo-Asp-Qz vein	quartz	149	203	181	12	149	151	155	162	190	192	194
10	MJKA-16	105.5	Px-Ga skarn	quartz	151	172	164	11	151	156	158	161	164	165	169
11	MJKA-16	125.6	Asp-Py-Qz vein	quartz	151	163	157	4	151	151	162	163	163	163	163
12	MJKA-16	166.3	Asp-Qz vein	quartz	125	258	183	22	125	126	132	145	146	147	158
13	MJKA-16	167.3	Asp-Qz vein	quartz	97	194	136	18	97	99	107	109	110	112	116
14	MJKA-17	68.2	Mt ore in Cpx-Ga skarn	quartz	146	213	173	22	146	147	151	152	154	157	161
15	MJKA-17	128.8	Po-Asp-Py-Qz vein	quartz	162	223	185	12	162	164	166	167	169	171	175
16	MJKA-18	97.9	Py-Qz-Cal vein	quartz	133	169	152	8	133	137	143	147	156	161	167
17	MJKA-18	115.7	Asp-Qz vein	calcite	161	227	196	18	161	169	178	179	184	185	190

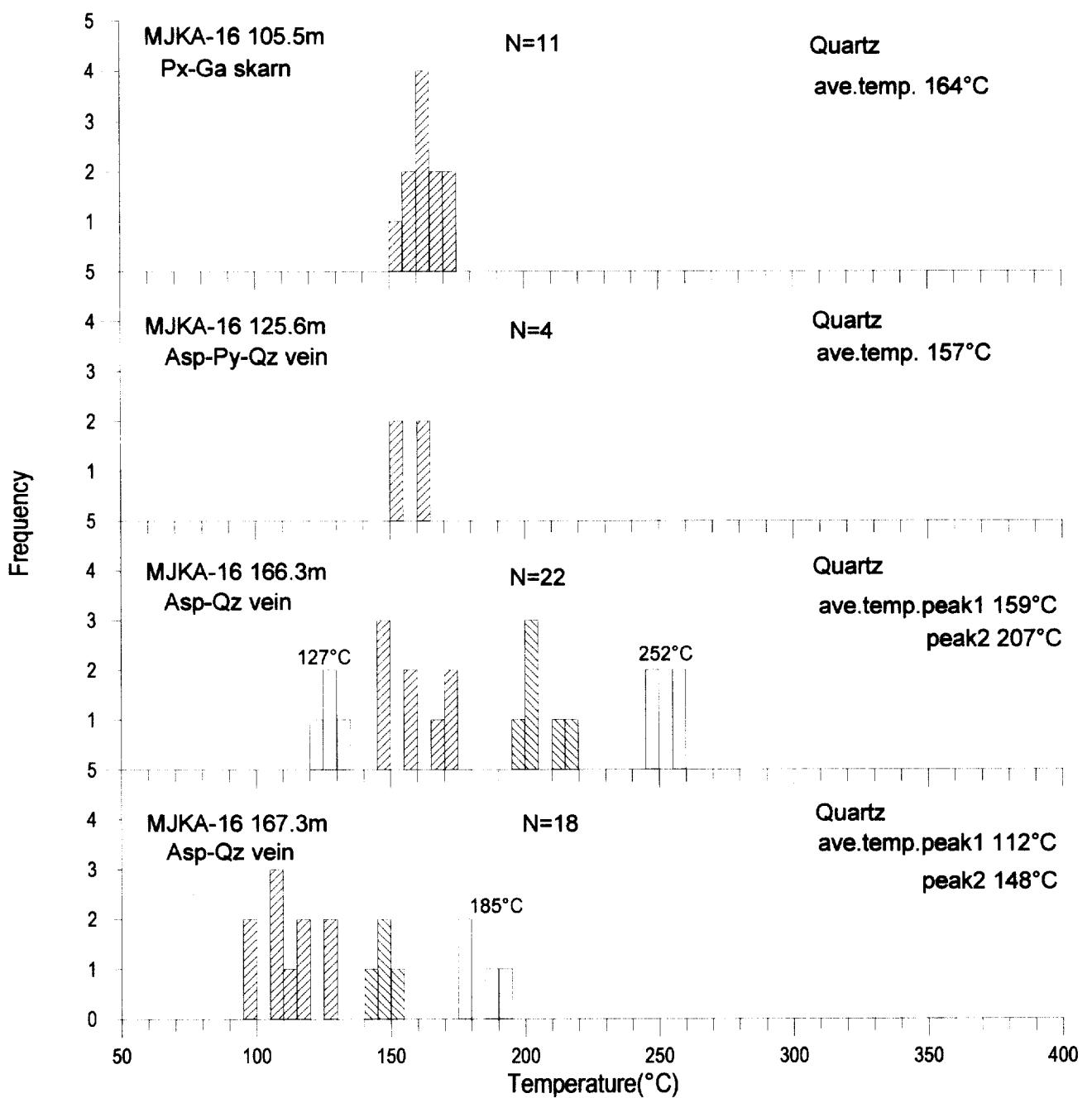
No	Sample no.	Rock name	Mineral	Range of temperature(°C)			Number of Inclusions	Homogenization temperature(°C)						
				Min.	Max.	Ave.		139	150	159	159	162	163	173
1	1930C5-15.5F(1)	Cpx ore in Cpx skarn	calcite	139	270	188	17	139	150	159	159	162	163	173
2	1930C5-15.5F(2)	Cpx ore in Cpx skarn	calcite	110	297	198	26	110	113	114	118	139	140	143
3	1930C5-17F	Fy-Cpx in Cpx skarn	calcite	128	189	162	16	128	142	143	147	150	155	160
4	1930C6-23Fc	Ga skarn	calcite	91	144	116	20	91	93	98	101	102	103	106
5	1930C6-45.2R	Cal-Qz vein	calcite	97	170	133	22	97	100	108	111	118	122	125
6	1930C6-131.5FLa	Cpx ore in Cpx skarn	calcite	96	204	142	18	154	161	162	166	167	170	170



Appendix 10 Histogram of Homogenization Temperature (1)



Appendix 10 Histogram of Homogenization Temperature (2)

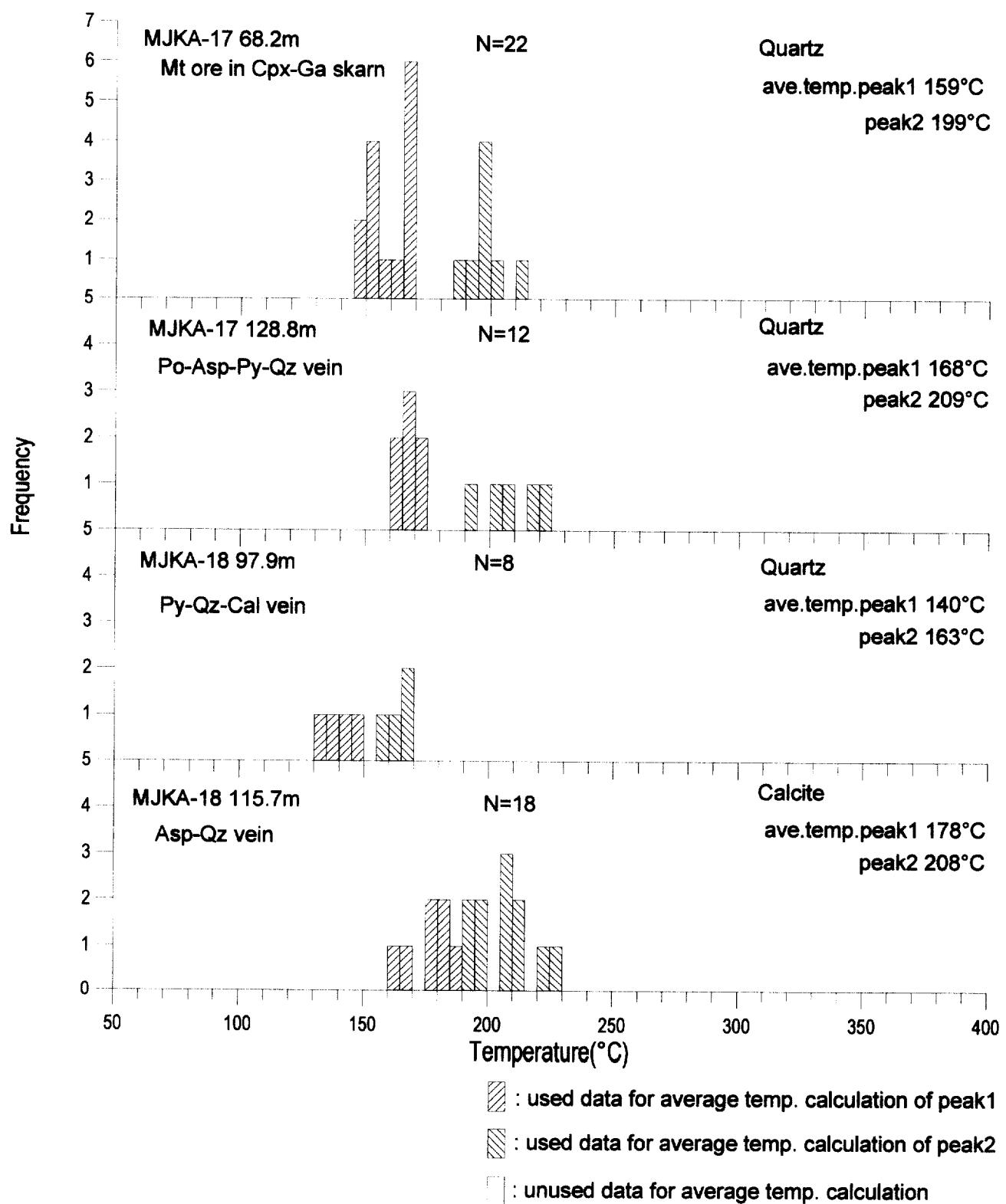


▨ : used data for average temp. calculation of peak1

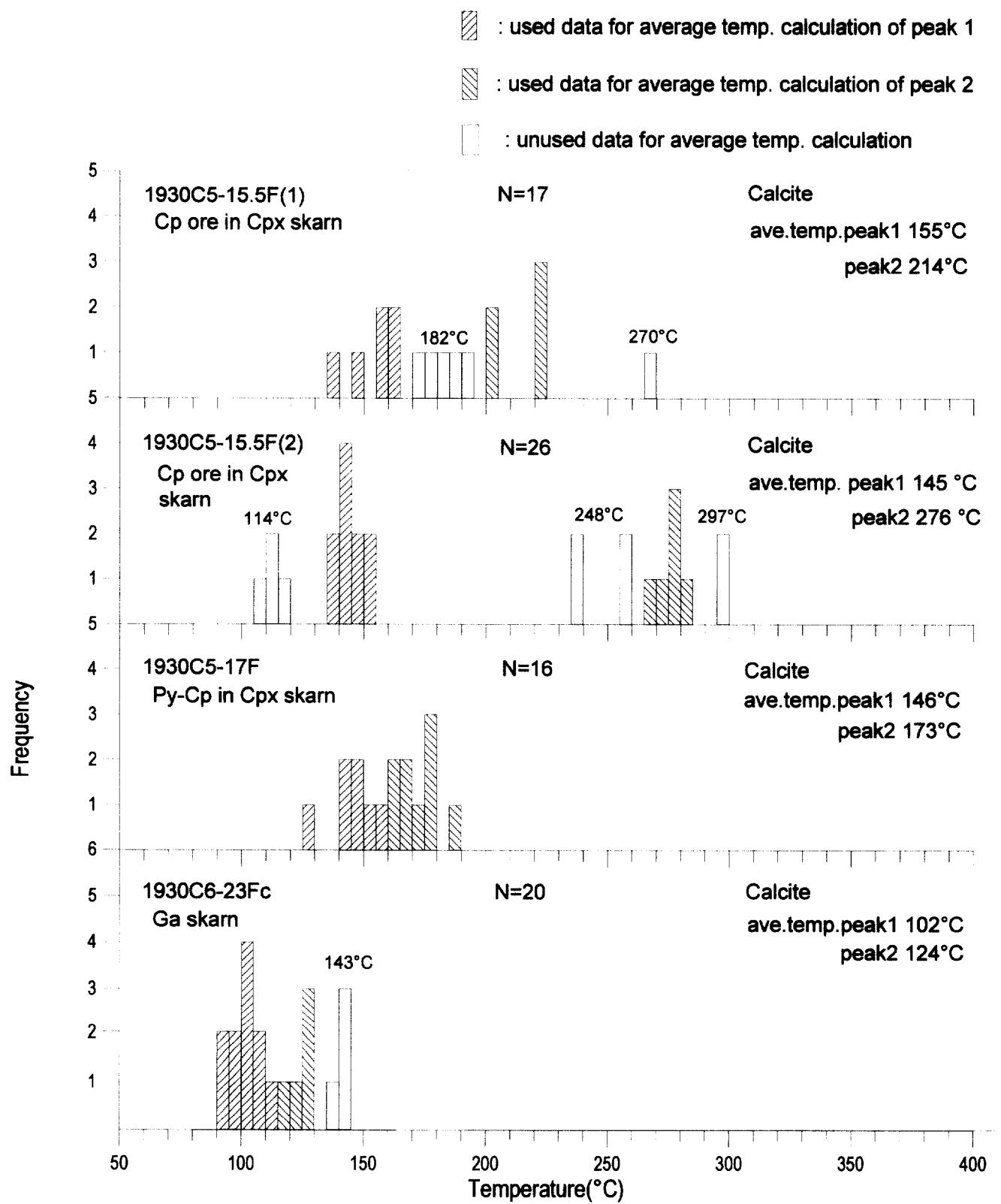
▨ : used data for average temp. calculation of peak2

□ : unused data for average temp. calculation

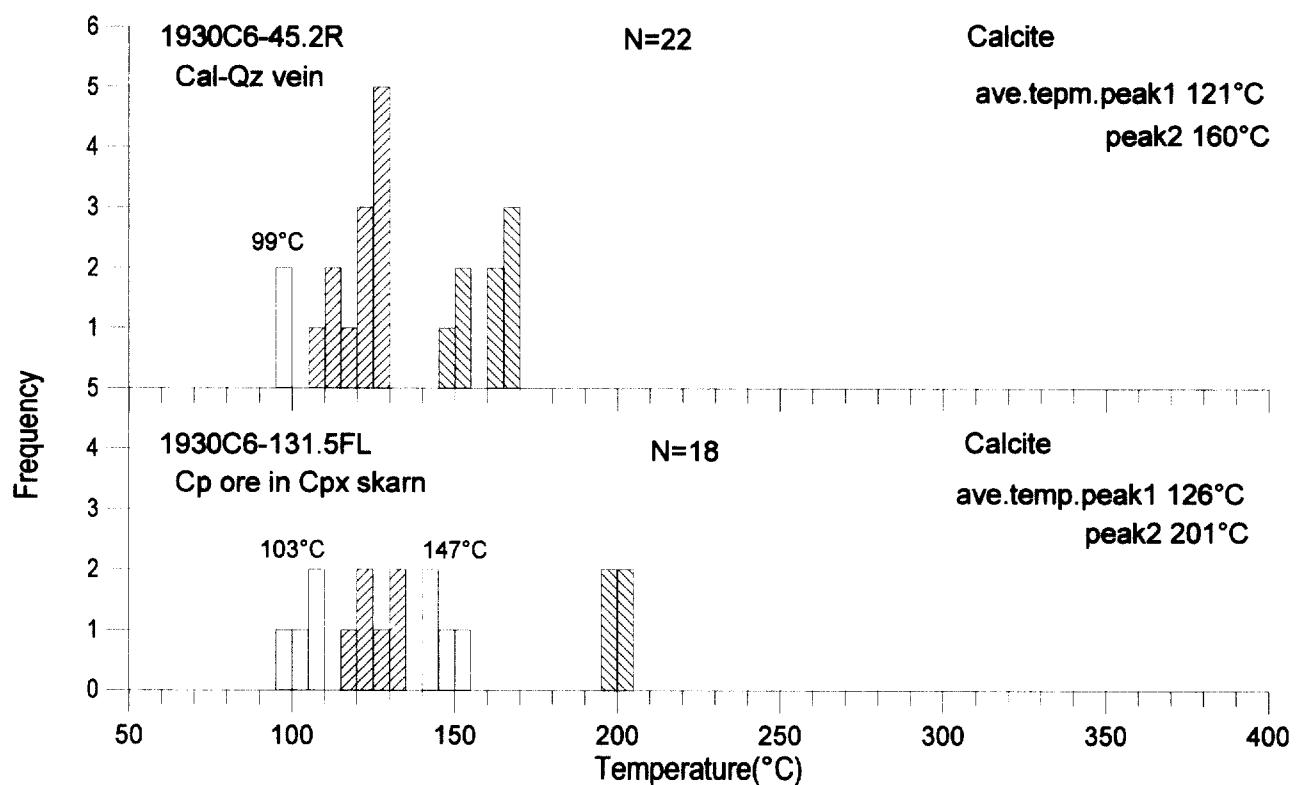
Appendix 10 Histogram of Homogenization Temperature (3)



Appendix 10 Histogram of Homogenization Temperature (4)



Appendix 10 Histogram of Homogenization Temperature (5)



▨ : used data for average temp. calculation of peak1

▨ : used data for average temp. calculation of peak2

□ : unused data for average temp. calculation

Appendix 10 Histogram of Homogenization Temperature (6)