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Table S1. Microprobe Analysis of Trace Element on Quartz Phenocryst and Calculated Ti-in-Quartz Temperature. Notes: number in parentheses next to each analysis represents 1σ and given in terms of least unit cited.

	Sample no.	SiO2 (wt%)	Al (ppm)	Ti (ppm)	Ti-in-quartz (°C)	
					Wark & Watson	Huang & Audétat
Er-24	qtzHr1 - 1	100.23	n.d.	96 (5)	742 (6)	702(6)
	qtzHr1 - 2	99.77	829 (53)	9 (5)	522 (33)	489(32)
	qtzHr1 - 3	100.23	n.d.	n.d.	-	-
	qtzHr1 - 4	98.72	95 (52)	114 (5)	763 (5)	722(5)
	qtzHr1 - 5	100.53	n.d.	18 (5)	575 (21)	539(21)
	qtzHr2 - 1	100.29	n.d.	n.d.	-	-
	qtzHr2 - 2	100.72	n.d.	9 (5)	525 (33)	492(32)
	qtzHr2 - 3	100.72	n.d.	49 (5)	669 (10)	631(10)
	qtzHr2 - 4	100.79	14 (50)	13 (5)	552 (26)	518(25)
	qtzHr2 - 5	100.60	20 (51)	20 (5)	583 (20)	548(19)

Table S2. Microprobe Analysis of Trace Element on Quartz-Molybdenite Vein and Calculated Ti-in-Quartz Temperature. Notes: number in parentheses next to each analysis represents 1σ and given in terms of least unit cited.

	Sample no.	SiO2 (wt%)	Al (ppm)	Ti (ppm)	Ti-in-quartz (°C)	
					Wark & Watson	Huang & Audétat
Er-24	qtz-mol-1	98.63	55 (48)	68 (5)	703 (8)	663 (8)
	qtz-mol-2	99.11	n.d.	34 (5)	634 (12)	596 (12)
	qtz-mol-3	99.29	n.d.	n.d..	-	-
	qtz-mol-4	99.60	n.d.	n.d..	-	-
	qtz-mol-5	99.63	5 (50)	59 (5)	687 (9)	648 (9)
	qtz-mol-6	100.55	31 (49)	14 (5)	556 (25)	521 (24)
	qtz-mol-7	100.67	84 (48)	40 (5)	648 (11)	611 (11)
	qtz-mol-8	99.50	233 (50)	15 (5)	559 (24)	524 (24)
	qtz-mol-9	99.57	n.d.	20 (5)	585 (20)	550 (19)
	qtz-mol-10	99.88	n.d.	15 (5)	562 (24)	527 (23)
	qtz-mol-11	99.67	197 (51)	20 (5)	583 (20)	548 (19)
	qtz-mol-12	99.79	56 (50)	14 (5)	554 (26)	519 (25)
	qtz-mol-13	99.33	51 (49)	n.d.	-	-
	qtz-mol-14	99.33	1463 (56)	n.d.	-	-
	qtz-mol-15	99.77	95 (50)	55 (5)	680 (9)	642 (9)
	qtz-mol-16	99.76	235 (50)	84 (5)	727 (7)	687 (7)
	qtz-mol-17	100.03	97 (50)	6 (5)	493 (44)	460 (43)
	(qtz-mol) Line 1	99.89	62 (50)	n.d.	-	-
	(qtz-mol) Line 2	100.25	n.d.	11 (5)	537 (30)	503 (29)

(qtz-mol) Line 3	100.42	83 (49)	13 (5)	552 (26)	518 (25)
(qtz-mol) Line 4	100.34	165 (50)	23 (5)	596 (18)	560 (17)
(qtz-mol) Line 5	100.45	140 (49)	24 (5)	601 (17)	564 (17)
(qtz-mol) Line 6	100.12	110 (49)	21 (5)	589 (19)	553 (18)
(qtz-mol) Line 7	100.38	75 (50)	11 (5)	540 (29)	505 (28)
(qtz-mol) Line 8	100.57	n.d.	9 (5)	521 (34)	488 (33)
(qtz-mol) Line 9	100.45	30 (50)	13 (5)	552 (26)	517 (25)
(qtz-mol) Line 10	100.32	180 (49)	23 (5)	596 (18)	560 (17)
(qtz-mol) Line 11	100.03	112 (49)	34 (5)	634 (13)	596 (13)
(qtz-mol) Line 12	99.95	95 (49)	n.d.	-	-
(qtz-mol) Line 13	99.78	n.d.	n.d.	-	-
(qtz-mol) Line 14	99.05	n.d.	82 (5)	724 (7)	684 (7)
(qtz-mol) Line 15	100.84	167 (51)	n.d.	-	-

Table S3. Microprobe Analysis of Trace Element on Quartz-Pyrite Vein and Calculated Ti-in-Quartz Temperature. Notes: number in parentheses next to each analysis represents 1σ and given in terms of least unit cited.

	Sample no.	SiO2 (wt%)	Al (ppm)	Ti (ppm)	Ti-in-quartz (°C)	
					Wark & Watson	Huang & Audétat
Er-24	qtz-py-1	100.14	67 (49)	69 (5)	705 (8)	666 (8)
	qtz-py-2	100.20	304 (51)	74 (5)	712 (8)	673 (7)
	qtz-py-3	100.07	n.d.	11 (5)	540 (29)	506 (28)
	qtz-py-4	99.81	n.d.	n.d.	-	-
	qtz-py-5	100.12	141 (50)	46 (5)	663 (11)	625 (10)
	qtz-py-6	99.94	n.d.	41 (5)	650 (12)	612 (11)
	qtz-py-7	99.82	15 (50)	n.d.	-	-
	qtz-py-8	99.71	n.d.	n.d.	-	-
	qtz-py-9	99.46	145 (51)	3 (5)	444 (68)	413 (65)
	qtz-py-10	100.05	49 (49)	n.d.	-	-
	qtz-py-11	99.84	n.d.	n.d.	-	-
	qtz-py-12	99.99	n.d.	11 (5)	535 (30)	501 (29)
	qtz-py-13	100.21	n.d.	21 (5)	588 (18)	553 (17)

Table S4. Microprobe Analysis of Trace Element on Quartz Vein and Calculated Ti-in-Quartz Temperature. Notes: number in parentheses next to each analysis represents 1σ and given in terms of least unit cited.

	Sample no.	SiO2 (wt%)	Al (ppm)	Ti (ppm)	Ti-in-quartz (°C)	
					Wark & Watson	Huang & Audétat
Er-22	qtz-1	99.90	26 (49)	10 (5)	529 (32)	495 (31)
	qtz-2	100.47	n.d.	n.d.	-	-
	qtz-3	100.27	n.d.	n.d.	-	-
	qtz-4	100.41	n.d.	n.d.	-	-
	qtz-5	100.01	34 (49)	n.d.	-	-
	qtz-6	100.19	n.d.	n.d.	-	-
	qtz-7	99.92	n.d.	n.d.	-	-
	qtz-8	99.69	15 (50)	n.d.	-	-

qtz-9	100.15	56 (49)	n.d.	-	-
qtz-10	100.49	n.d.	n.d.	-	-
qtz-11	99.91	654 (52)	n.d.	-	-

Table S5. Electron Microprobe Analyses of Biotite 1, Calculated Formulas (based on 22 O), Calculated Ti-In-Biotite Temperatures, and analytical error of each measurement point.

	biotite_1-1	biotite_1-2	biotite_1-3	biotite_1-4	biotite_1-5	biotite_1-6	biotite_1-7	biotite_1-8	biotite_1-9	biotite_1-10	biotite_1-11	biotite_1-12
SiO2	39.09	39.23	39.72	39.09	39.15	39.03	39.03	39.21	39.14	38.96	38.67	39.13
TiO2	2.04	2.26	1.93	1.80	1.85	2.03	1.84	1.34	2.14	1.84	2.02	2.25
Al2O3	17.14	16.29	17.28	17.46	17.47	17.12	17.16	17.19	17.17	17.22	16.86	16.90
FeO	7.87	7.97	7.63	7.69	7.78	7.74	8.07	7.82	7.98	8.02	8.14	8.01
MnO	0.54	0.50	0.44	0.39	0.33	0.31	0.46	0.26	0.31	0.33	0.36	0.49

	biotite_1-13	biotite_1-14	biotite_1-15	biotite_1-16	biotite_1-17	biotite_1-18	biotite_1-19	biotite_1-20	biotite_1-21	biotite_1-22	biotite_1-23	biotite_1-24
SiO2	38.98	39.50	38.59	39.25	39.64	38.99	39.02	39.29	39.24	39.26	38.97	39.43
TiO2	2.19	2.26	2.08	2.37	2.00	2.20	2.32	2.12	2.33	2.51	2.25	2.60
Al2O3	16.90	17.21	17.69	16.40	16.90	16.92	16.75	16.79	16.96	16.76	18.09	16.81
FeO	8.18	7.88	7.54	7.74	7.76	7.86	7.90	7.81	7.75	8.14	7.64	8.29
MnO	0.37	0.39	0.44	0.33	0.36	0.24	0.37	0.40	0.42	0.37	0.35	0.22

MgO	17.85	17.65	17.96	18.25	17.81	17.83	18.03	18.46	17.72	18.25	17.52	17.53	17.91	17.46	17.95	17.78	17.69	17.97	17.55	17.75	17.92	17.51	18.03	17.76
CaO	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Na2O	0.18	0.16	0.20	0.12	0.09	0.13	0.09	0.17	0.13	0.14	0.16	0.21	0.15	0.15	0.10	0.20	0.13	0.10	0.14	0.14	0.21	0.21	0.14	0.16
K2O	11.20	10.91	11.45	11.37	11.76	11.09	11.09	11.39	11.20	11.22	11.13	10.99	11.43	11.34	11.47	11.16	11.50	11.36	11.59	11.36	11.17	11.38	11.56	11.24
Cl	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
F	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Total	95.91	94.97	96.63	96.18	96.24	95.27	95.78	95.84	95.79	95.98	94.88	95.50	96.10	96.19	95.86	95.24	95.98	95.64	95.65	95.66	95.99	96.13	97.04	96.49
Si	0.65	0.65	0.66	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.64	0.65	0.65	0.66	0.64	0.65	0.66	0.65	0.65	0.65	0.65	0.65	0.65	0.66
Ti	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Al	0.34	0.32	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.33	0.33	0.33	0.34	0.35	0.32	0.33	0.33	0.33	0.33	0.33	0.33	0.35	0.33
Fe	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12
Mn	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.00
Mg	0.44	0.44	0.45	0.45	0.44	0.44	0.45	0.46	0.44	0.45	0.43	0.44	0.44	0.43	0.45	0.44	0.44	0.45	0.44	0.44	0.44	0.43	0.45	0.44
Ca	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Na	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01
K	0.24	0.23	0.24	0.24	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.24	0.24	0.24	0.25	0.24
Xmg	0.80	0.80	0.81	0.81	0.80	0.80	0.80	0.81	0.80	0.80	0.79	0.80	0.80	0.80	0.81	0.80	0.80	0.80	0.80	0.80	0.80	0.79	0.81	0.79
T (°C)	716	729	710	701	703	717	701	657	721	702	713	727	723	728	723	738	714	727	732	722	735	740	730	744
1σ of T(°C)	3	3	3	3	3	3	4	5	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	2

SiO_2	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
TiO_2	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.08
Al_2O_3	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
FeO	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.12	0.13	0.13	0.13	0.12	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.12	0.13
MnO	0.08	0.08	0.08	0.07	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07	0.06
MgO	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.17	0.16	0.16	0.17	0.16	0.17	0.17	0.16	0.17	0.16	0.17	0.17	0.16	0.17	0.17
CaO	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Na20	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
K_2O	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13

Table S6. Electron Microprobe Analyses of Biotite 2, Calculated Formulas (based on 22 O), Calculated Ti-In-Biotite Temperatures, and analytical error of each measurement point.

	biotite_2-1	**biotite_2-2**	**biotite_2-3**	**biotite_2-4**	**biotite_2-5**	**biotite_2-6**	**biotite_2-7**	**biotite_2-8**	**biotite_2-9**	**biotite_2-10**	**biotite_2-11**	**biotite_2-12**	**biotite_2-13**	**biotite_2-14**
SiO2	39.30	38.77	39.40	38.48	39.44	39.27	39.23	38.83	39.60	39.68	39.19	39.11	39.17	38.71
TiO2	2.45	2.18	2.05	2.42	2.10	2.26	2.31	2.19	2.46	1.83	2.35	2.67	2.57	2.56
Al2O3	16.45	17.15	17.86	17.49	17.09	17.20	16.84	16.78	16.97	17.07	17.12	17.05	17.19	17.00
FeO	8.08	7.47	7.16	8.05	7.72	7.77	7.61	7.83	7.78	7.37	8.11	8.44	7.35	7.89
MnO	0.33	0.39	0.47	0.37	0.31	0.53	0.37	0.29	0.37	0.42	0.50	0.43	0.35	0.35
MgO	17.88	18.16	18.20	17.95	17.74	18.05	17.82	17.95	17.27	18.49	17.98	17.61	17.79	17.90
CaO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Na2O	0.11	0.12	0.04	0.18	0.15	0.17	0.10	0.22	0.12	0.23	0.12	0.10	0.14	0.18
K2O	11.12	11.17	11.75	11.66	11.29	10.83	11.08	10.88	11.35	11.48	11.37	11.18	10.95	10.96
Cl	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
F	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Total	95.71	95.41	96.91	96.61	95.84	96.07	95.37	94.97	95.93	96.56	96.75	96.59	95.51	95.55
Si	0.65	0.65	0.66	0.64	0.66	0.65	0.65	0.65	0.66	0.66	0.65	0.65	0.65	0.64
Ti	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03
Al	0.32	0.34	0.35	0.34	0.34	0.34	0.33	0.33	0.33	0.33	0.34	0.33	0.34	0.33
Fe	0.11	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.12	0.10	0.11
Mn	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.00
Mg	0.44	0.45	0.45	0.45	0.44	0.45	0.44	0.45	0.43	0.46	0.45	0.44	0.44	0.44
Ca	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Na	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01
K	0.24	0.24	0.25	0.25	0.24	0.23	0.24	0.23	0.24	0.24	0.24	0.24	0.23	0.23
Xmg	0.80	0.81	0.82	0.80	0.80	0.81	0.81	0.80	0.80	0.82	0.80	0.79	0.81	0.80
T (°C)	739	730	723	738	721	731	736	728	740	708	733	745	751	747
1σ of T(°C)	2	3	3	2	3	3	3	3	2	3	3	2	2	2

Error (1σ)	SiO2	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
	TiO2	0.08	0.07	0.07	0.08	0.07	0.07	0.08	0.07	0.08	0.07	0.08	0.08	0.08	0.08
	Al2O3	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	FeO	0.13	0.12	0.12	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.12	0.12
	MnO	0.07	0.08	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.07

MgO	0.17	0.17	0.17	0.17	0.16	0.17	0.17	0.17	0.16	0.17	0.17	0.17	0.17	0.17
CaO	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00
Na20	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
K2O	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13

Table S7. Summary of Microthermometric data of different vein paragenesis.

Vein type	***n***	**Th. (°C)**	**Size (μm)**	**Occurrences**	**Homogenization State**	**Vein type**	***n***	**Th (°C)**	**Size (μm)**	**Occurrences**	**Homogenization State**	**Vein type**	***n***	**Th (°C)**	**Size (μm)**	**Occurrences**	**Homogenization State**
Qtz-mol	1	237.1	1.5	trails	V-L	Qtz-py	1	191.3	1.2	trail (elongate)	V-L	Qtz	1	167.4	1.7	solitary	V-L
	1	251.4	2.5	trails	V-L		1	193.2	1.2	trail (rounded)	V-L		1	193.5	1.9	solitary	V-L
	1	248.8	2	trails	V-L		1	215	1.2	solitary (elongate)	V-L		1	196.5	1.2	trail	V-L
	1	267.3	1.6	trails	V-L		1	243.8	2.5	solitary (sub-rounded)	V-L		1	249.2	1	trail	V-L
	1	301.3	1.3	solitary	V-L		1	230	1.8	solitary	V-L		1	275.1	1.3	trail (rounded)	V-L
	1	305.3	1	trails	V-L		1	137.6	1.2	solitary (sub-rounded)	V-L		1	284.7	1.3	solitary (rounded)	V-L
	1	217	1.3	solitary	V-L		1	160	1.5	trail	V-L		1	168.6	1.6	solitary	V-L

1	212.5	1	trails	V-L	1	187.6	1.2	-	V-L	4	228.2		assemblages ??	V-L
1	257.5	1.5	trails	V-L	1	239.2	1.2	trail	V-L	1	173.2	2.3	solitary (rounded, near grain boundary)	V-L
1	280.3	2.5	solitary (near grain boundary)	V-L	1	267.4	1.5	trail	V-L	1	208.3	1.2	solitary	V-L
1	303.9	1.5	trails (near mol)	V-L	1	291.5	1.3	trail (rounded)	V-L	1	215.8	1	solitary	V-L
1	301	2.4	trails (near mol)	V-L	1	192.3	1.5		V-L	1	189.4	1.5	-	V-L
1	143.7	3	solitary (rounded)	V-L	1	252.2	1.4	near vein-wall	V-L	1	213.9	1.2	solitary (near grain boundary	V-L
1	255.7	2.2	solitary (rounded)	V-L	1	251.1	1.3		V-L	1	236.1	1.4	solitary (near grain boundary	V-L
1	228.5	2.4	solitary (rounded)	V-L	1	204.6	1.2	solitary (rounded)	V-L	1	234.2	1.4	trail (fracture?)	V-L
1	242.6	1.5	solitary (rounded)	V-L	1	235.3	1.5	solitary (near	V-L	2	117	1-1.5	trail (elongate,	V-L

								grain boundary)					fracture?)	
1	265.1	1.5	trail	V-L	1	305.6	2.2	solitary (rounded)	V-L	3	174.1	1.6-2.3	solitary (rounded)	V-L
1	287	1	-	V-L	1	306.9	1.8	solitary	V-L	1	122.2	1.5	-	V-L
1	247.7	2.5	solitary(rounded)	V-L	1	114.6	1.2	-	V-L	1	243.5	1.6	solitary	V-L
1	281.9	1	elongate	V-L	1	183.4	2	solitary (sub-rounded)	V-L	1	136.7	1	primary?	V-L
1	300	1.5	Solitary (elongate, near mol)	V-L	1	133.9	1.6	solitary (rectangular, near grain boundary)	V-L	1	165	1.8	solitary (rounded)	V-L
1	320	1	Solitary (elongate, near mol)	V-L	1	170.9	1	trail	V-L	1	162.9	1	trail	V-L
1	272.1	2.2	solitary(rounded)	V-L	1	296.4	1.2	solitary (near grain boundary)	V-L	1	329	1.6	solitary	V-L
1	308.5	2.3	Solitary (sub-rounded)	V-L	1	140	1.6	-	V-L	4	151.3	1	trail (fracture?)	V-L

1	282.1	1.5	trail (sub-rounded, near grain boundary)	V-L	1	230.3	1	solitary (near grain boundary)	V-L	2	181.6	1.5	solitary	V-L
1	298.1	2	solitary (rectangular)	V-L	1	-	n.d.			2	147.9	1.3	solitary (rounded)	V-L
1	307.2	1.8	?	V-L	1	168	n.d.			1	231.7	1.2	-	V-L
1	340.2	1	solitary	V-L	1	256.3	n.d.			1	238.4	1.4	-	V-L
1	158.1	2.3	solitary (rounded)	V-L	1	268.4	n.d.			1	253	2	-	V-L
1	254.2	2	solitary (sub-rounded)	V-L	1	268.4	n.d.			1	250.8	2.2	solitary	V-L
1	327.3	2	solitary	V-L	1	296.5	n.d.			5	221.9	1	assemblages near grain boundary	V-L
1	171	1.9	trail (rounded)	V-L	1	304.8	n.d.			2	294.5	1.65	assemblages near grain boundary	V-L
1	173	1	trail (elongate)	V-L	1	332.9	n.d.			2	202.8	1.5	trail (fracture?)	V-L

1	217.5	1.7	solitary	V-L	1	336.5	n.d.	2	261.3	1.8	-
1	179.1	n.d. .		V-L	1	326.9	n.d.	1	117.9	n.d.	
1	234.6	n.d.			1	358.9	n.d.	1	243.3	n.d.	
1	281.2	n.d.			1	147.8	n.d.	1	195	n.d.	
1	295.1	n.d.			1	157.6	n.d.	1	173.9	n.d.	
1	300	n.d.			1	179.3	n.d.	1	220	n.d.	
1	264	n.d.			1	326.9	n.d.	1	238.3	n.d.	
1	263.8	n.d.			1	358.9	n.d.	1	230.2	n.d.	
1	269.5	n.d.			1	147.8	n.d.	1	228.3	n.d.	
1	322.4	n.d.			1	157.6	n.d.	1	185.3	n.d.	
1	320.8	n.d.			1	179.3	n.d.	1	142.2	n.d.	
1	318.4	n.d.			3	241.9	n.d.	1	166.7	n.d.	
1	257.6	n.d.			2	248	n.d.	1	177.5	n.d.	

1	267.5	n.d.	1	172.2	n.d.
1	300.5	n.d.	1	148.3	n.d.
2	324	n.d.	3	108.6	n.d.
4	229.5	n.d.	1	108.6	n.d.
			1	108.6	n.d.
			1	137.3	n.d.
			1	137.3	n.d.
			2	190.5	n.d.
			2	149.7	n.d.
			2	194.1	n.d.
			2	201.5	n.d.