Tab. 1. Rb-Sr analytical data

Sample	Material	Rb (ppm)	Sr (ppm)	$^{87}Rb/^{86}Sr$	$^{87}Sr/^{86}Sr$	$^{87}Sr/^{86}Sr$ $2s_m$
SCMY1 (**13.1 ± 4.3 Ma**, MSWD = 69; Sr_i = 0.70941 ± 0.00033)						
	apatite <100 µm	2.62	202	0.0374	0.709459	0.0011
	wm 160-125 µm	194	87.2	6.44	0.710384	0.0005
	wm 355-250 µm	201	85.1	6.82	0.710685	0.0013
	wm 500-355 µm	199	81.7	7.04	0.710942	0.0012
	wm 250-160 µm	197	88.5	6.45	0.710513	0.0022
	quartz-feldspar	9.96	336	0.0859	0.709402	0.0008
GC6 (wm: **8.9 ± 3.2 Ma**, MSWD = 7.9, Sr_i = 0.70917 ± 0.00016; bt: **1.50 ± 0.21 Ma**						
	wm 160-125 µm	236	135	5.07	0.709759	0.0013
	wm 355-250 µm	238	145	4.76	0.709817	0.0035
	apatite	5.32	357	0.0431	0.709160	0.0007
	quartz-albite	5.58	299	0.0539	0.709194	0.0010
	biotite 180-125 µm	511	27.2	54.4	0.710292	0.0018
	biotite 355-250 µm	499	33.6	42.9	0.710110	0.0018
GC5 (13.1 ± 1.2 Ma; MSWD = 21; Sr_i = 0.70980 ± 0.00033)						
	qtz-feldspar	20.6	519	0.115	0.709811	0.0012
	apatite	4.5	260	0.0502	0.709832	0.0012
	wm 160-125 µm	296	30.4	28.2	0.714875	0.0012
	wm 250-160 µm	283	43.2	19.0	0.713471	0.0009
	wm 355-250 µm	245	95.2	7.43	0.711075	0.0044
WAI (pegm. p.-clasts: **60.45 ± 0.69 Ma**; def. age: **9.94 ± 0.52 Ma**; bt: **1.56 ± 0.05 Ma**						
	wm 355-250 µm	221	62.4	10.3	0.713217	0.0014
	wm 7 mm (clast)	222	69.3	9.27	0.716266	0.0015
	wm 160-90 µm	191	78.4	7.06	0.710512	0.0016
	plag 2 mm (clast)	1.02	585	0.00502	0.708390	0.0015
	wm 250-160 µm	221	62.8	10.2	0.712255	0.0011
	plag <200 µm	1.32	521	0.00732	0.708405	0.0017
	wm 4 mm (clast)	258	55.3	13.5	0.719735	0.0022
	apatite	1.64	211	0.0225	0.709535	0.0018
	biotite	445	14.7	87.7	0.711449	0.0026
SCMY2 (1.39 ± 0.19 Ma (excl. wm); ap + fsp + 2 wm: **14.0 ± 0.5 Ma - 10.8 ± 0.5 Ma)**						
	bt 500-355 µm	547	5.48	289	0.718036	0.0026
	bt 355-250 µm	545	6.12	258	0.717332	0.0036
	bt 250-160 µm	550	5.47	291	0.717554	0.0012
	qtz-feldspar	7.45	169	0.127	0.712372	0.0011
	apatite	2.07	254	0.0236	0.712053	0.0014
	wm 250-160 µm	243	100	7.01	0.713409	0.0010
	wm 160-90 µm	237	103	6.65	0.713351	0.0018

An uncertainty of ± 1.5 % (2σ) is assigned to Rb/Sr ratios. wm, muscovitic white mica; plag, plagioclase; ap, apatite; bt, biotite; fsp, feldspar; pegm. p. clasts: pegmatitic porphyroclasts, cut out of mylonitized matrix. Typical sample weights are 10 mg for white mica, 2-20 mg for feldspar, 5 mg for apatite, and 20 mg for biotite. Grey color denotes data published in Ring et al. (2017).