

Supplementary Table 1: Major (wt%) and trace element (ppm) data of Archean granitoids of the Aravalli Craton, NW India

	TTG									
	Orthogneisses									
	J100 ^a	J101 ^b	J102 ^a	J108 ^a	U154 ^b	G202 ^b	G204 ^b	J302 ^b	J313 ^b	M518 ^b
Latitude	24°19.728'	24° 19.728'	24°27.086'	24°19.990'	24° 34.930'	24° 21.628'	24° 15.216'	24° 31.653'	24° 24.324'	24° 47.252'
Longitude	73°52.114'	73° 52.114'	73°52.305'	73°52.66'	74° 06.737'	73° 47.385'	73° 55.314'	73° 49.065'	73° 52.787'	73° 58.953'
SiO ₂ (wt%)	68.89	69.68	61.16	68.13	70.90	71.78	71.22	71.31	69.81	71.58
TiO ₂	0.21	0.38	1.17	0.29	0.25	0.28	0.29	0.27	0.41	0.24
Al ₂ O ₃	16.07	15.24	14.33	15.42	15.17	15.83	16.30	14.71	15.39	15.38
Fe ₂ O ₃ T	2.14	2.60	6.94	2.93	1.64	2.64	1.10	2.30	2.06	2.26
MnO	0.02	0.03	0.07	0.04	0.01	0.01	0.07	0.02	0.02	0.04
MgO	1.03	1.60	3.62	1.77	0.90	0.99	0.68	0.87	2.28	1.53
CaO	1.90	2.74	4.04	3.22	2.09	1.45	2.03	2.36	2.13	1.39
Na ₂ O	5.37	5.50	4.73	5.31	5.18	5.98	5.65	5.41	4.54	5.18
K ₂ O	2.34	1.83	2.31	1.41	2.42	1.04	1.35	1.45	1.62	1.70
P ₂ O ₅	0.09	0.13	0.56	0.12	0.05	0.12	0.14	0.06	0.15	0.10
LOI	ND	0.28	ND	ND	0.63	0.30	0.54	1.20	0.65	0.87
Sum	98.06	100.02	98.93	98.64	99.24	100.42	99.37	99.96	99.06	100.26
Ferromagnesian content	3.40	4.62	11.80	5.03	2.79	3.92	2.14	3.46	4.77	4.06
K ₂ O/Na ₂ O	0.44	0.33	0.49	0.27	0.47	0.17	0.24	0.27	0.36	0.33
Mg#	0.49	0.55	0.51	0.54	0.52	0.43	0.55	0.43	0.69	0.57

Sc (ppm)	2.08	6.78	2.54	2.61	8.92	3.30	3.73	4.82	2.90	4.71
V	9.27	43.39	36.03	13.22	21.90	20.00	30.13	2.93	25.57	24.80
Cr	5.29	45.12	6.74	13.05	35.63	26.53	19.13	43.31	38.24	63.49
Co	15.96	5.64	18.10	14.08	48.14	42.00	127.83	3.15	34.10	43.30
Ni	2.18	22.31	3.74	4.10	17.91	14.73	16.23	17.46	12.99	22.56
Cu	0.34	8.55	0.62	0.44	0.86	ND	18.03	1.74	0.79	5.67
Zn	13.15	35.51	33.74	23.54	7.10	13.00	47.73	36.21	10.34	18.93
Ga	16.33	12.88	19.74	18.41	26.24	29.40	20.13	13.28	29.34	10.27
Rb	42.75	19.67	84.89	50.74	82.14	42.00	46.13	17.81	81.22	11.13
Sr	299.73	329.04	246.20	307.22	623.09	613.00	493.13	416.02	526.96	421.06
Y	2.57	6.92	26.42	11.27	10.97	10.60	4.73	11.37	17.93	17.41
Zr	73.67	154.26	51.62	50.80	136.06	252.00	115.13	75.68	183.72	131.76
Nb	2.49	5.81	16.88	4.43	2.80	6.40	6.01	6.03	3.29	8.40
Cs	0.80	0.36	2.09	1.11	0.70	1.10	1.39	0.31	0.33	1.49
Ba	847.28	644.73	388.40	224.49	617.09	594.00	488.13	441.13	613.83	630.13
La	16.55	35.08	36.50	21.78	24.65	15.63	57.33	31.24	11.36	20.17
Ce	32.54	77.37	78.72	44.21	52.13	28.25	98.44	56.61	26.38	34.11
Pr	2.88	6.63	8.91	4.20	4.77	4.14	8.99	4.67	2.58	3.70
Nd	10.24	18.93	36.13	15.65	17.69	11.27	31.44	22.75	10.42	14.00
Sm	1.59	4.03	6.47	2.68	3.05	2.42	4.00	3.81	2.48	2.41
Eu	0.35	1.17	1.02	0.42	0.91	0.68	1.37	0.82	0.79	0.76
Gd	1.18	3.39	5.00	2.07	2.58	2.27	3.20	3.17	2.21	2.05
Tb	0.12	0.33	0.71	0.29	0.38	0.28	0.29	0.37	0.34	0.30
Dy	0.49	1.89	4.26	1.78	1.70	1.95	1.10	1.60	1.71	1.72
Ho	0.05	0.24	0.45	0.20	0.24	0.31	0.20	0.27	0.30	0.27
Er	0.15	0.67	1.52	0.64	0.84	1.06	0.42	0.81	1.03	0.63
Tm	0.01	0.11	0.18	0.09	0.11	0.18	0.05	0.15	0.13	0.09
Yb	0.15	0.59	1.88	0.84	1.02	1.52	0.48	1.17	1.16	0.67
Lu	0.03	0.16	0.31	0.15	0.15	0.29	0.09	0.19	0.20	0.11
Hf	1.98	3.21	1.49	1.25	3.66	8.20	2.87	3.42	5.50	2.23
Ta	0.76	0.49	1.54	0.73	0.81	0.74	0.62	0.78	0.73	1.04
Pb	25.36	10.18	22.90	22.82	10.79	15.40	12.04	16.18	13.49	8.07
Th	6.30	4.01	7.96	6.66	2.35	2.12	3.71	6.32	5.37	5.64
U	0.47	0.54	2.69	0.92	1.22	2.70	0.56	0.75	1.53	2.06
Ba+Sr	1147	974	635	532	1240	1207	981	857	1141	1051
La _N /Yb _N	74.95	40.30	13.19	17.61	16.48	7.01	80.51	18.08	6.65	20.40
Gd _N /Yb _N	6.36	4.63	2.15	1.99	2.05	1.21	5.36	2.19	1.54	2.47
Eu/Eu*	0.78	0.96	0.55	0.54	0.98	0.89	1.17	0.72	1.03	1.04
Sr/Y	116.63	47.54	9.32	27.26	56.82	57.83	104.26	36.60	29.40	24.18

Supplementary Table 1 (cont.)

	TTG									
	Orthogneisses			Undeformed granitoids						
	T12G ^b	T18G ^b	T22U ^b	G115 ^c	G116 ^c	G122 ^c	U140 ^c	G201 ^c	G205 ^c	G214 ^c
Latitude	24° 24.990'	24° 13.030'	24° 46.706'	24°19.216'	24°18.967'	24°18.461'	24°46.180'	24°24.818'	24°15.196'	24°13.030'
Longitude	73° 52.566'	74° 01.149'	73° 58.952'	73°55.798'	73°56.451'	74°01.330'	74°03.487'	73°46.167'	73°55.415'	74°01.149'
SiO ₂ (wt%)	68.44	72.71	69.03	71.98	70.81	67.41	65.20	74.93	69.93	66.61
TiO ₂	0.29	0.34	0.29	0.20	0.19	0.31	0.42	0.16	0.40	0.29
Al ₂ O ₃	15.49	15.87	15.40	14.50	14.48	14.95	14.92	15.63	16.54	16.35
Fe ₂ O ₃ T	2.94	1.18	3.15	1.64	2.68	3.29	4.58	1.78	3.68	6.47
MnO	0.04	0.01	0.06	0.01	0.02	0.05	0.04	0.00	0.03	0.01
MgO	1.78	0.86	1.16	0.90	2.78	2.11	4.07	0.89	1.39	2.28
CaO	3.23	1.63	3.40	2.15	0.43	2.02	1.25	0.81	2.38	1.49
Na ₂ O	5.33	5.11	4.73	6.55	5.18	5.32	6.18	4.93	4.76	5.87
K ₂ O	1.42	2.12	1.35	0.46	2.20	2.71	1.74	1.97	2.13	1.97
P ₂ O ₅	0.12	0.13	0.07	0.06	0.06	0.13	0.16	0.07	0.12	0.15
LOI	0.60	0.60	0.56	ND	ND	ND	ND	ND	ND	ND
Sum	99.68	100.57	99.20	98.45	98.83	98.30	98.56	101.17	101.36	101.49
Ferromagnesian content	5.05	2.39	4.66	2.75	5.67	5.76	9.11	2.83	5.50	9.05
K ₂ O/Na ₂ O	0.27	0.41	0.28	0.07	0.42	0.51	0.28	0.40	0.45	0.34
Mg#	0.54	0.59	0.42	0.52	0.67	0.56	0.64	0.50	0.43	0.41

Sc (ppm)	2.74	1.05	12.54	1.84	1.63	1.55	1.33	2.90	3.60	6.00
V	13.82	5.23	22.99	7.75	7.43	14.84	14.95	10.00	19.00	26.00
Cr	33.64	13.05	31.50	6.99	8.61	7.02	7.86	1.00	4.00	7.00
Co	14.72	73.16	36.58	20.32	11.80	15.27	8.10	21.00	30.00	27.00
Ni	14.29	14.29	17.73	2.50	2.52	2.06	2.37	3.10	5.30	13.70
Cu	0.57	ND	ND	0.30	0.32	0.49	0.31	ND	ND	ND
Zn	24.61	16.27	27.17	8.80	11.00	14.58	13.53	8.00	17.00	9.00
Ga	19.25	43.48	23.62	12.50	10.43	11.60	11.38	35.00	40.00	28.10
Rb	53.04	26.13	63.68	13.97	48.91	95.52	42.64	46.00	58.00	88.00
Sr	321.09	208.69	175.58	205.92	58.03	227.73	110.89	107.00	309.00	149.00
Y	11.78	8.57	3.34	7.38	4.44	12.25	15.02	11.40	9.80	14.50
Zr	53.09	68.98	96.15	77.50	51.00	61.48	117.62	117.00	74.00	85.00
Nb	4.64	3.42	4.91	3.87	5.59	7.87	13.98	2.90	1.50	10.40
Cs	1.16	0.31	7.42	0.19	0.43	0.49	0.79	0.40	0.60	1.50
Ba	234.62	788.83	317.05	209.29	461.60	364.37	415.86	1333.00	1790.00	417.00
La	22.19	30.02	18.04	10.43	16.15	11.58	60.11	11.70	34.60	29.30
Ce	44.64	57.32	31.01	18.65	29.37	22.23	108.23	22.30	62.50	54.50
Pr	4.29	5.36	3.71	1.89	3.09	2.58	10.13	2.30	6.40	5.50
Nd	12.38	19.31	10.00	7.11	11.53	10.82	35.84	8.90	22.50	21.00
Sm	3.00	3.01	1.80	1.34	1.80	2.32	5.07	1.87	2.99	3.73
Eu	0.76	0.62	0.46	0.29	0.29	0.34	0.56	0.44	0.85	0.67
Gd	1.63	2.26	1.53	1.11	1.37	1.88	4.06	1.98	2.72	3.67
Tb	0.25	0.26	0.22	0.17	0.16	0.29	0.47	0.30	0.32	0.45
Dy	1.15	1.14	0.82	1.07	0.80	1.89	2.48	1.66	1.51	2.27
Ho	0.12	0.14	0.11	0.12	0.08	0.20	0.23	0.36	0.31	0.47
Er	0.26	0.49	0.31	0.39	0.27	0.69	0.83	0.94	0.81	1.22
Tm	0.03	0.06	0.04	0.05	0.03	0.08	0.10	0.15	0.11	0.18
Yb	0.38	0.60	0.35	0.55	0.37	0.91	1.14	0.94	0.70	1.11
Lu	0.11	0.10	0.11	0.10	0.06	0.15	0.18	0.17	0.12	0.18
Hf	1.31	1.99	2.93	2.17	1.38	1.78	3.27	3.60	2.20	2.80
Ta	0.57	0.34	0.55	1.25	0.83	1.30	1.55	ND	ND	ND
Pb	13.86	8.40	17.04	15.82	13.22	22.65	16.08	1.50	6.00	ND
Th	6.97	3.45	2.30	4.41	4.36	5.76	23.60	2.80	5.00	5.30
U	0.97	1.36	2.72	1.20	0.88	4.32	3.19	0.90	0.60	0.80
Ba+Sr	556	998	493	415	520	592	527	1440	2099	566
La _N /Yb _N	39.38	34.13	34.54	12.88	29.65	8.64	35.82	8.46	33.58	17.93
Gd _N /Yb _N	3.45	3.06	3.48	1.63	3.00	1.67	2.88	1.70	3.14	2.67
Eu/Eu*	1.05	0.72	0.85	0.72	0.56	0.50	0.38	0.70	0.91	0.55
Sr/Y	27.25	24.35	52.57	27.90	13.07	18.59	7.38	9.39	31.53	10.28

Supplementary Table 1 (cont.)

	<i>TTG</i>				<i>Transitional TTG (t-TTG)</i>				
	<i>Undeformed granitoids</i>				<i>Orthogneisses</i>				
	A221^c	AP245^c	B249^c	B251^c	U14G^d	U15G^d	G19G^d	U152^c	M515^d
Latitude	24°39.980'	24°13.168'	24°47.182'	24°46.612'	24° 34.930'	24° 34.102'	24° 13.145'	24°19.728'	24° 47.252'
Longitude	73°41.184'	74°01.281'	74°03.425'	74°20.469'	74° 06.737'	74° 07.045'	74° 02.171'	74°52.114'	73° 58.953'
SiO ₂ (wt%)	76.34	67.14	69.72	62.90	67.33	68.95	70.69	67.03	73.83
TiO ₂	0.11	0.29	0.40	0.88	0.37	0.17	0.19	0.37	0.31
Al ₂ O ₃	14.84	16.17	16.63	18.13	13.71	16.93	17.33	13.65	14.15
Fe ₂ O ₃ T	1.68	6.36	4.13	5.12	4.43	2.57	2.12	4.41	3.78
MnO	0.01	0.01	0.07	0.06	0.05	0.03	0.02	0.05	0.03
MgO	0.74	2.30	1.15	1.62	3.06	0.70	0.59	3.05	0.65
CaO	0.97	1.50	3.38	3.18	2.23	2.22	2.42	2.22	1.50
Na ₂ O	4.43	5.92	4.71	6.52	4.20	4.14	4.57	4.18	3.50
K ₂ O	1.64	1.99	1.34	1.59	3.20	3.95	2.50	3.19	1.97
P ₂ O ₅	0.04	0.15	0.07	0.24	0.09	0.08	0.05	0.09	0.02
LOI	ND	ND	ND	ND	0.54	0.66	0.24	-	0.28
Sum	100.80	101.83	101.60	100.24	99.22	100.39	100.73	98.24	100.01
Ferromagnesian content	2.54	8.96	5.75	7.68	7.92	3.48	2.92	7.88	4.77
K ₂ O/Na ₂ O	0.37	0.34	0.28	0.24	0.76	0.95	0.55	0.76	0.56
Mg#	0.47	0.42	0.36	0.39	0.58	0.35	0.36	0.58	0.25

Sc (ppm)	0.20	6.09	12.00	10.90	2.64	0.10	2.19	2.52	7.21
V	9.00	26.39	22.00	37.00	14.80	10.45	10.45	14.15	15.68
Cr	3.00	7.11	11.00	18.00	10.93	12.54	19.86	10.45	17.77
Co	25.00	27.41	35.00	30.00	14.40	30.31	34.49	13.77	32.40
Ni	3.30	13.91	7.40	7.10	4.17	4.91	5.33	3.99	6.69
Cu	ND	ND	ND	ND	0.34	ND	ND	0.32	ND
Zn	7.00	9.14	26.00	46.00	24.21	33.44	10.45	23.16	21.95
Ga	37.90	28.52	22.60	35.70	17.76	49.75	40.13	16.99	25.92
Rb	30.00	89.32	148.00	50.00	116.14	117.05	71.07	111.12	98.24
Sr	159.00	151.24	168.00	204.00	304.83	429.55	406.56	291.66	194.39
Y	2.80	14.72	31.90	34.90	24.93	10.97	9.93	23.85	10.87
Zr	66.00	86.28	92.00	198.00	69.32	55.39	110.78	66.32	323.99
Nb	1.10	10.56	4.70	18.10	14.99	1.67	2.82	14.34	6.58
Cs	0.20	1.52	7.10	0.90	1.71	1.88	0.42	1.63	2.72
Ba	1764.00	423.26	112.00	1250.00	467.42	418.43	603.23	1117.00	720.09
La	21.60	29.74	21.00	124.20	34.94	9.20	18.60	33.43	20.59
Ce	39.90	55.32	38.00	259.20	67.81	15.99	27.70	64.88	41.18
Pr	3.80	5.58	3.80	27.50	7.00	1.67	3.14	6.69	4.39
Nd	13.40	21.32	15.00	104.10	27.48	6.69	12.02	26.29	17.14
Sm	1.85	3.79	3.26	15.31	5.56	1.33	2.23	5.32	2.95
Eu	0.52	0.68	0.54	2.65	0.61	0.67	0.73	0.58	0.68
Gd	1.45	3.73	3.86	13.37	4.72	1.52	2.25	4.51	2.81
Tb	0.14	0.46	0.68	1.45	0.75	0.25	0.30	0.71	0.36
Dy	0.53	2.30	4.27	6.21	4.61	1.48	1.53	4.40	1.75
Ho	0.09	0.48	0.99	1.19	0.49	0.36	0.32	0.47	0.36
Er	0.26	1.24	2.68	3.08	1.47	0.93	0.85	1.40	0.94
Tm	0.03	0.18	0.43	0.43	0.17	0.15	0.14	0.15	0.16
Yb	0.21	1.13	2.84	2.94	1.55	0.91	0.87	1.47	1.20
Lu	0.04	0.18	0.47	0.48	0.24	0.15	0.15	0.22	0.23
Hf	2.30	2.84	2.80	5.80	1.95	1.78	3.45	1.86	12.54
Ta	ND	ND	ND	ND	0.87	0.25	0.23	0.82	0.67
Pb	2.90	ND	16.30	29.30	21.28	21.43	16.93	20.36	5.33
Th	4.90	5.38	8.90	20.00	12.10	1.78	5.33	11.57	7.73
U	0.50	0.81	2.60	4.70	0.91	0.84	1.67	0.87	4.91
Ba+Sr	1923	575	280	1454	772.25	847.98	1009.78	1408.66	914.49
La _N /Yb _N	69.87	17.88	5.02	28.70	15.36	6.87	14.57	15.45	11.64
Gd _N /Yb _N	5.59	2.67	1.10	3.68	2.47	1.35	2.10	2.48	1.89
Eu/Eu*	0.97	0.55	0.46	0.56	0.37	1.44	1.00	0.36	0.72
Sr/Y	56.79	10.27	5.27	5.85	12.23	39.14	40.95	12.23	17.88

Supplementary Table 1 (cont.)

	<i>Transitional TTG (t-TTG)</i>									
	<i>Undeformed granitoids</i>									
	U137 °	G218 °	A220 °	G104 °	B110 °	G111 °	U143 °	U144 °	U155 °	U158 °
Latitude	24°46.304'	24°13.145'	24°40.058'	24°26.189'	24°50.120'	24°19.462'	24°44.949'	24°44.949'	24°34.102'	24°35.282'
Longitude	74°04.059'	74°02.171'	73°41.252'	73°52.326'	74°28.052'	73°55.284'	74°03.848'	74°03.848'	74°07.045'	74°03.047'
SiO ₂ (wt%)	68.84	71.87	75.63	71.43	70.90	71.87	69.67	71.00	70.33	72.99
TiO ₂	0.24	0.19	0.31	0.01	0.34	0.11	0.19	0.22	0.17	0.12
Al ₂ O ₃	15.47	17.25	13.09	15.85	15.15	15.05	15.63	14.49	16.85	14.45
Fe ₂ O ₃ T	2.27	2.11	3.76	0.50	2.79	1.21	1.38	1.25	2.56	1.18
MnO	0.03	0.02	0.03	0.01	0.04	0.01	0.03	0.01	0.03	0.02
MgO	1.24	0.59	1.64	0.38	0.86	0.50	0.68	0.68	0.70	0.23
CaO	2.48	2.41	1.49	1.21	1.37	1.30	1.62	0.96	2.21	1.02
Na ₂ O	4.90	4.55	3.48	4.92	3.77	4.66	4.49	3.73	4.12	3.89
K ₂ O	2.93	2.49	1.96	3.83	5.49	4.04	4.53	6.29	3.93	4.95
P ₂ O ₅	0.11	0.05	0.02	0.02	0.10	0.03	0.04	0.09	0.08	0.03
LOI	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sum	98.51	101.53	101.41	98.16	100.81	98.78	98.26	98.72	100.98	98.88
Ferromagnesian content	3.78	2.91	5.74	0.90	4.03	1.83	2.28	2.16	3.46	1.55
K ₂ O/Na ₂ O	0.60	0.55	0.56	0.78	1.46	0.87	1.01	1.69	0.95	1.27
Mg#	0.52	0.36	0.46	0.60	0.38	0.45	0.49	0.52	0.35	0.28

Sc (ppm)	1.57	2.10	6.90	1.65	6.70	2.13	1.21	1.23	0.10	1.23
V	11.38	10.00	15.00	4.66	39.49	4.68	6.19	7.26	10.00	6.17
Cr	6.11	19.00	17.00	5.41	77.11	7.94	4.84	5.14	12.00	4.96
Co	11.32	33.00	31.00	20.60	19.29	19.51	16.30	23.38	29.00	14.02
Ni	2.04	5.10	6.40	2.23	41.18	2.85	1.84	2.08	4.70	1.58
Cu	0.38	ND	ND	0.35	23.48	0.37	0.09	0.09	ND	0.16
Zn	16.87	10.00	21.00	13.73	51.11	9.47	12.34	8.07	32.00	12.42
Ga	11.41	38.40	24.80	9.72	18.61	14.53	11.25	9.07	47.60	10.75
Rb	136.64	68.00	94.00	48.69	179.67	78.75	167.53	138.17	112.00	192.29
Sr	247.86	389.00	186.00	200.49	125.87	186.07	137.53	101.13	411.00	56.79
Y	16.82	9.50	10.40	3.99	25.80	10.92	19.17	19.03	10.50	12.30
Zr	46.67	106.00	310.00	47.22	160.93	42.57	32.14	151.01	53.00	85.99
Nb	7.75	2.70	6.30	2.27	19.68	6.89	10.30	9.98	1.60	15.42
Cs	3.60	0.40	2.60	0.28	1.17	0.48	5.62	0.40	1.80	3.01
Ba	741.17	1534.00	689.00	1183.27	629.69	707.18	470.87	742.39	2314.00	273.66
La	25.11	17.80	19.70	6.44	91.09	13.02	13.75	67.86	8.80	33.28
Ce	50.01	26.50	39.40	19.64	168.44	24.71	24.27	137.42	15.30	63.55
Pr	4.88	3.00	4.20	1.39	18.43	2.43	2.50	13.56	1.60	6.19
Nd	18.41	11.50	16.40	5.15	57.57	8.95	9.19	48.33	6.40	21.75
Sm	3.17	2.13	2.82	0.93	8.62	1.73	1.71	7.34	1.27	3.90
Eu	0.41	0.70	0.65	0.39	1.29	0.31	0.27	0.44	0.64	0.23
Gd	2.62	2.15	2.69	0.77	7.72	1.38	1.61	5.64	1.45	3.00
Tb	0.38	0.29	0.34	0.10	0.91	0.21	0.28	0.67	0.24	0.40
Dy	2.44	1.46	1.67	0.61	4.48	1.43	2.08	3.52	1.42	2.18
Ho	0.26	0.31	0.34	0.07	0.84	0.18	0.25	0.34	0.34	0.21
Er	0.91	0.81	0.90	0.24	2.41	0.68	0.93	1.14	0.89	0.63
Tm	0.12	0.13	0.15	0.03	0.35	0.11	0.13	0.13	0.14	0.07
Yb	1.25	0.83	1.15	0.32	2.24	1.28	1.51	1.38	0.87	0.85
Lu	0.20	0.14	0.22	0.05	0.35	0.22	0.25	0.24	0.14	0.13
Hf	1.28	3.30	12.00	1.24	4.48	1.35	1.15	3.95	1.70	2.76
Ta	1.03	ND	ND	1.31	5.34	1.72	1.96	2.64	ND	1.55
Pb	22.00	16.20	5.10	27.33	8.25	23.32	24.02	17.77	20.50	30.70
Th	6.85	5.10	7.40	3.00	28.01	4.95	6.55	24.39	1.70	22.59
U	0.81	1.60	4.70	0.32	3.80	1.62	0.69	1.92	0.80	6.79
Ba+Sr	989	1923	875.00	1384	756	893	608	844	2725	330
La _N /Yb _N	13.65	14.57	11.64	13.67	27.62	6.91	6.19	33.41	6.87	26.60
Gd _N /Yb _N	1.70	2.10	1.89	1.95	2.79	0.87	0.86	3.31	1.35	2.86
Eu/Eu*	0.43	1.00	0.72	1.40	0.48	0.61	0.50	0.21	1.44	0.20
Sr/Y	14.74	40.95	17.88	50.25	4.88	17.04	7.17	5.31	39.14	4.62

Supplementary Table 1 (cont.)

	Transitional TTG (t-TTG)									
	Undeformed granitoids									
	A161 °	A168 °	U172 °	U174 °	A219 °	AP239 °	AP249 °	B253 °	B255 °	B256 °
Latitude	24°40.301'	24°40.523'	24°40.284'	24°41.911'	24°40.083'	24°40.201'	24°59.721'	24°57.848'	24°59.897'	25°00.597'
Longitude	73°37.081'	73°38.206'	73°48.810'	73°48.463'	73°41.129'	73°41.279'	74°38.401'	74°38.633'	74°38.474'	74°38.444'
SiO ₂ (wt%)	73.34	73.27	71.94	72.15	76.29	75.61	76.86	76.26	77.55	76.51
TiO ₂	0.10	0.08	0.18	0.17	0.00	0.00	0.13	0.18	0.13	0.20
Al ₂ O ₃	14.87	14.87	14.85	14.92	15.00	15.12	14.41	13.88	14.30	13.16
Fe ₂ O ₃ T	1.29	0.97	1.47	0.69	0.38	0.39	0.91	1.43	0.90	2.31
MnO	0.02	0.02	0.01	0.02	0.00	0.00	0.00	0.01	0.00	0.05
MgO	1.01	0.73	0.48	0.30	0.20	0.20	0.28	0.50	0.29	1.12
CaO	0.19	0.45	0.61	0.38	0.77	0.78	0.16	0.77	0.16	0.95
Na ₂ O	3.48	3.35	4.10	4.80	3.41	3.44	2.90	2.83	2.88	1.57
K ₂ O	5.40	5.86	4.96	4.59	5.34	5.38	5.46	5.10	5.42	4.25
P ₂ O ₅	0.03	0.01	0.08	0.05	0.02	0.02	0.03	0.04	0.03	0.04
LOI	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sum	99.73	99.61	98.68	98.07	101.41	100.94	101.14	101.00	101.66	100.16
Ferromagnesian content	2.42	1.80	2.14	1.18	0.58	0.59	1.32	2.12	1.32	3.68
K ₂ O/Na ₂ O	1.55	1.75	1.21	0.96	1.57	1.56	1.88	1.80	1.88	2.71
Mg#	0.61	0.60	0.39	0.46	0.51	0.50	0.38	0.41	0.39	0.49

Sc (ppm)	1.44	1.33	1.29	1.43	0.20	0.20	0.91	2.40	0.90	2.80
V	4.69	2.84	5.04	5.16	6.00	6.09	4.06	8.00	4.00	7.00
Cr	5.66	4.59	5.50	4.63	2.00	2.03	12.18	7.00	12.00	6.00
Co	18.40	25.76	20.11	23.52	45.00	45.68	47.71	43.00	47.00	40.00
Ni	1.80	1.88	1.83	1.85	2.70	2.74	8.12	4.30	8.00	6.40
Cu	0.14	0.09	0.12	0.07	ND	ND	ND	ND	ND	ND
Zn	6.48	5.54	10.87	5.11	5.00	5.08	14.21	11.00	14.00	10.00
Ga	7.97	8.20	11.06	10.35	51.30	52.07	26.29	32.00	25.90	27.70
Rb	73.23	110.77	173.04	126.86	83.00	84.25	233.45	221.00	230.00	140.00
Sr	104.51	74.01	48.04	94.03	146.00	148.19	199.96	67.00	197.00	21.00
Y	9.50	3.85	16.67	7.47	1.90	1.93	16.75	21.80	16.50	13.70
Zr	58.59	15.35	98.58	86.11	66.00	66.99	315.67	240.00	311.00	245.00
Nb	5.70	5.87	13.90	7.66	1.10	1.12	5.18	7.10	5.10	10.90
Cs	0.25	0.54	1.57	0.63	0.20	0.20	3.55	1.50	3.50	2.10
Ba	652.56	534.42	250.17	333.31	2653.00	2692.80	1020.08	1110.00	1005.00	896.00
La	57.01	4.89	31.67	25.47	5.60	5.68	62.83	83.50	61.90	55.00
Ce	121.66	9.48	74.95	45.78	8.70	8.83	112.16	152.60	110.50	98.50
Pr	12.67	0.99	7.37	4.36	0.80	0.81	10.86	14.50	10.70	9.00
Nd	48.76	3.93	27.23	14.78	3.10	3.15	36.13	50.10	35.60	31.60
Sm	8.45	0.77	4.90	2.32	0.50	0.51	5.10	7.67	5.02	4.50
Eu	0.47	0.20	0.16	0.21	0.48	0.49	0.66	0.77	0.65	0.57
Gd	5.63	0.57	3.50	1.77	0.47	0.48	4.75	6.75	4.68	4.35
Tb	0.61	0.09	0.48	0.22	0.06	0.06	0.53	0.76	0.52	0.49
Dy	2.61	0.53	2.74	1.21	0.27	0.27	2.47	3.48	2.43	2.25
Ho	0.19	0.05	0.27	0.12	0.06	0.06	0.54	0.71	0.53	0.46
Er	0.58	0.21	0.87	0.41	0.14	0.14	1.53	1.90	1.51	1.28
Tm	0.05	0.02	0.09	0.04	0.02	0.02	0.25	0.30	0.25	0.20
Yb	0.51	0.34	0.95	0.50	0.15	0.15	1.81	2.12	1.78	1.43
Lu	0.08	0.05	0.14	0.08	0.03	0.03	0.32	0.37	0.32	0.25
Hf	1.76	0.59	3.08	2.69	2.90	2.94	9.34	8.10	9.20	7.40
Ta	1.47	1.52	2.84	1.88	ND	ND	ND	ND	ND	ND
Pb	19.33	16.08	29.20	23.31	5.60	5.68	67.40	20.10	66.40	7.70
Th	30.37	3.18	29.89	23.92	1.20	1.22	40.09	37.60	39.50	28.30
U	0.38	0.38	2.71	2.70	0.70	0.71	9.54	12.20	9.40	9.70
Ba+Sr	757	608	298	427	2799	2841	1220	1177	1202	917
La _N /Yb _N	75.94	9.77	22.65	34.60	25.36	25.72	23.58	26.76	23.62	26.13
Gd _N /Yb _N	8.93	1.36	2.98	2.86	2.54	2.59	2.12	2.58	2.13	2.46
Eu/Eu*	0.21	0.92	0.12	0.32	3.02	3.02	0.41	0.33	0.41	0.39
Sr/Y	11.00	19.22	2.88	12.59	76.84	76.78	11.94	3.07	11.94	1.53

Supplementary Table 1 (cont.)

	Transitional TTG (t-TTG)								Sanukitoids	
	Undeformed granitoids								Undeformed granitoids	
	B258 °	AP261 °	B263 °	AP266 °	AP268 °	AP275 °	AP279 °	AP284 °	B363 °	MR114A °
Latitude	25°01.404'	25°01.514'	25°01.770'	24°53.621'	24°45.021'	24°39.852'	24°40.109'	24°35.403'	25°10.035'	24°44.900'
Longitude	74°38.083'	74°38.321'	74°38.898'	74°36.701'	74°03.781'	73°37.192'	73°38.327'	74°03.109'	74°42.049'	74°62.211'
SiO ₂ (wt%)	72.97	72.32	76.09	77.63	71.57	73.93	73.86	73.57	63.64	68.38
TiO ₂	0.25	0.25	0.13	0.07	0.22	0.10	0.08	0.12	0.64	0.34
Al ₂ O ₃	15.81	15.94	14.68	13.65	14.61	14.99	14.99	14.57	17.65	16.30
Fe ₂ O ₃ T	1.79	1.80	1.28	0.91	1.26	1.30	0.98	1.19	4.61	3.42
MnO	0.03	0.03	0.02	0.00	0.01	0.02	0.02	0.02	0.06	0.05
MgO	0.70	0.69	0.51	0.11	0.69	1.02	0.74	0.23	2.49	2.06
CaO	1.07	1.08	0.19	0.33	0.97	0.19	0.45	1.03	1.13	1.59
Na ₂ O	3.10	3.12	3.72	3.70	3.76	3.51	3.38	3.92	3.52	3.53
K ₂ O	4.50	4.53	4.77	4.39	6.34	5.44	5.91	4.99	5.01	4.59
P ₂ O ₅	0.07	0.07	0.03	0.02	0.09	0.03	0.01	0.03	0.23	0.11
LOI	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sum	100.29	99.83	101.42	100.81	99.52	100.53	100.42	99.67	98.98	100.37
Ferromagnesian content	2.77	2.77	1.94	1.09	2.18	2.44	1.82	1.56	7.80	5.87
K ₂ O/Na ₂ O	1.45	1.45	1.28	1.19	1.69	1.55	1.75	1.27	1.42	1.30
Mg#	0.44	0.43	0.44	0.19	0.52	0.61	0.60	0.28	0.52	0.54

Sc (ppm)	3.30	3.35	1.10	3.05	1.25	1.47	1.35	1.26	8.95	8.10
V	18.00	18.27	14.00	4.06	7.37	4.76	2.89	6.27	80.63	54.00
Cr	21.00	21.32	5.00	bdl	5.22	5.75	4.67	5.04	93.57	70.00
Co	30.00	30.45	55.00	68.01	23.74	18.68	26.15	14.23	16.39	17.00
Ni	4.90	4.97	5.10	3.86	2.11	1.83	1.91	1.61	51.63	38.00
Cu	ND	ND	ND	ND	0.10	0.15	0.10	0.17	62.48	17.00
Zn	10.00	10.15	15.00	5.08	8.20	6.58	5.62	12.61	108.09	65.00
Ga	37.20	37.76	30.50	39.08	9.21	8.09	8.33	10.91	20.02	17.00
Rb	197.00	199.96	286.00	106.58	140.25	74.34	112.44	195.18	179.62	152.00
Sr	78.00	79.17	38.00	55.83	102.65	106.09	75.13	57.64	205.82	128.00
Y	8.70	8.83	15.60	19.79	19.32	9.64	3.92	12.49	33.39	9.50
Zr	229.00	232.44	280.00	128.91	153.28	59.47	15.59	87.29	264.83	110.00
Nb	16.60	16.85	5.40	0.51	10.14	5.79	5.97	15.66	10.86	9.30
Cs	3.30	3.35	2.10	0.41	0.41	0.26	0.55	3.06	1.81	1.39
Ba	1358.00	1378.37	688.00	1884.86	753.53	662.35	542.45	277.77	888.47	828.00
La	44.00	44.66	46.30	58.16	68.88	57.87	4.97	33.79	61.97	35.00
Ce	77.00	78.16	97.10	103.12	139.49	123.49	9.63	64.51	116.47	62.00
Pr	7.30	7.41	7.80	10.45	13.77	12.86	1.01	6.29	13.38	6.90
Nd	25.30	25.68	25.20	37.76	49.06	49.49	3.99	22.08	45.65	23.00
Sm	3.52	3.57	3.35	5.88	7.45	8.58	0.79	3.96	7.26	3.90
Eu	0.60	0.61	0.37	0.76	0.45	0.48	0.21	0.24	1.63	0.92
Gd	3.24	3.29	3.52	5.48	5.72	5.72	0.58	3.05	6.15	3.10
Tb	0.34	0.35	0.38	0.67	0.69	0.63	0.09	0.41	0.67	0.37
Dy	1.47	1.49	1.88	3.17	3.58	2.66	0.55	2.21	3.05	1.60
Ho	0.29	0.29	0.43	0.63	0.35	0.20	0.06	0.22	0.58	0.33
Er	0.80	0.81	1.34	1.67	1.16	0.59	0.22	0.65	1.56	0.94
Tm	0.13	0.13	0.25	0.24	0.13	0.06	0.03	0.08	0.23	0.15
Yb	0.94	0.95	1.93	1.62	1.41	0.52	0.35	0.87	1.43	0.98
Lu	0.17	0.17	0.37	0.28	0.25	0.09	0.06	0.14	0.21	0.15
Hf	7.00	7.11	5.70	2.94	4.01	1.79	0.60	2.81	3.24	2.80
Ta	ND	ND	ND	ND	2.68	1.49	1.55	1.58	1.07	2.30
Pb	8.70	8.83	18.90	10.15	18.04	19.62	16.33	31.17	4.73	5.90
Th	19.20	19.49	35.30	15.53	24.76	30.83	3.23	22.93	10.02	9.50
U	4.10	4.16	5.60	2.33	1.95	0.39	0.39	6.90	1.85	2.50
Ba+Sr	1436	1458	726	1941	856	768	618	335	1094	956
La _N /Yb _N	31.80	31.94	16.30	24.39	33.19	75.60	9.65	26.38	29.44	24.26
Gd _N /Yb _N	2.79	2.80	1.48	2.74	3.28	8.90	1.34	2.84	3.48	2.56
Eu/Eu*	0.54	0.54	0.33	0.41	0.21	0.21	0.95	0.21	0.74	0.81
Sr/Y	8.97	8.97	2.44	2.82	5.31	11.01	19.17	4.61	6.16	13.47

Supplementary Table 1 (cont.)

	Sanukitoids							
	Undeformed granitoids							
	MR114B ^ε	MR115 ^ε	MR116A ^ε	MR116B ^ε	MR117A ^ε	MR117B ^ε	MR118 ^ε	B120B ^ε
Latitude	24°44.895'	24°44.358'	24°44.552'	24°44.552'	24°44.595'	24°44.595'	24°62.625'	25°19.030'
Longitude	74°61.211'	74°27.456'	4°27.940'	74°27.940'	74°28.070'	74°28.070'	74°56.245'	74°40.049'
SiO ₂ (wt%)	67.21	64.79	67.59	68.76	71.18	65.41	68.85	65.29
TiO ₂	0.36	0.31	0.35	0.39	0.29	0.35	0.33	0.72
Al ₂ O ₃	16.28	15.45	15.11	15.13	13.79	14.16	15.84	15.67
Fe ₂ O ₃ T	3.83	3.17	3.88	3.65	3.01	4.78	3.52	4.85
MnO	0.05	0.14	0.07	0.04	0.04	0.14	0.04	0.07
MgO	2.32	2.32	3.26	2.56	1.98	3.42	2.31	1.25
CaO	1.26	4.37	1.80	0.99	2.17	2.88	1.03	2.57
Na ₂ O	4.61	5.45	4.10	4.31	3.87	3.73	4.09	4.48
K ₂ O	3.69	3.52	3.74	4.16	3.34	3.40	4.00	3.97
P ₂ O ₅	0.12	0.13	0.12	0.12	0.10	0.11	0.09	0.22
LOI	ND	ND	ND	ND	ND	ND	ND	ND
Sum	99.73	99.65	100.02	100.11	99.77	98.38	100.10	99.09
Ferromagnesian content	6.56	5.94	7.56	6.64	5.32	8.69	6.20	6.89
K ₂ O/Na ₂ O	0.80	0.65	0.91	0.97	0.86	0.91	0.98	0.89
Mg#	0.55	0.59	0.62	0.58	0.57	0.59	0.57	0.34

Sc (ppm)	7.20	7.10	7.90	7.60	7.20	7.60	7.20	9.56
V	55.00	46.00	58.00	47.00	49.00	51.00	56.00	56.15
Cr	72.00	89.00	88.00	84.00	66.00	70.00	67.00	71.19
Co	18.00	21.00	20.00	18.00	19.00	19.00	20.00	20.19
Ni	38.00	44.00	65.00	46.00	47.00	41.00	35.00	39.44
Cu	15.00	31.00	37.00	21.00	25.00	16.00	43.00	29.23
Zn	54.00	62.00	65.00	55.00	90.00	54.00	52.00	71.48
Ga	16.00	12.00	16.00	14.00	13.00	14.00	16.00	19.78
Rb	114.00	82.00	96.00	103.00	97.00	94.00	122.00	93.69
Sr	158.00	162.00	104.00	110.00	118.00	112.00	136.00	298.62
Y	9.30	14.00	10.00	25.00	9.60	11.00	10.00	22.81
Zr	108.00	99.00	110.00	108.00	86.00	84.00	87.00	53.05
Nb	8.70	8.30	7.30	9.30	7.60	7.10	9.00	17.62
Cs	0.99	0.67	1.40	1.00	1.40	1.20	1.20	0.92
Ba	707.00	749.00	688.00	756.00	523.00	565.00	801.00	1345.85
La	37.00	35.00	31.00	32.00	16.00	30.00	28.00	54.86
Ce	69.00	63.00	55.00	61.00	30.00	57.00	53.00	101.03
Pr	7.80	7.10	6.20	4.90	3.50	6.20	6.00	11.96
Nd	26.00	23.00	21.00	24.00	12.00	20.00	20.00	42.37
Sm	4.40	3.80	3.60	4.20	2.20	3.40	3.40	7.51
Eu	1.00	1.00	0.92	0.96	0.60	0.87	0.90	2.46
Gd	3.60	3.50	3.10	3.40	2.10	3.10	3.00	6.73
Tb	0.40	0.46	0.35	0.43	0.28	0.37	0.37	0.84
Dy	1.70	2.20	1.70	2.00	1.50	1.70	1.70	4.12
Ho	0.33	0.45	0.36	0.43	0.33	0.41	0.35	0.81
Er	0.97	1.10	0.94	1.10	0.87	1.00	0.94	2.13
Tm	0.15	0.19	0.15	0.17	0.14	0.16	0.15	0.30
Yb	1.00	1.20	1.00	1.00	0.86	1.00	0.99	1.84
Lu	0.19	0.19	0.17	0.18	0.14	0.17	0.15	0.28
Hf	2.90	2.60	2.70	2.80	2.20	2.30	2.30	1.55
Ta	3.20	2.10	1.40	1.10	2.30	3.30	4.00	4.61
Pb	3.30	7.20	6.00	6.10	7.90	4.50	6.80	5.41
Th	11.00	9.30	8.70	11.00	6.90	8.20	11.00	7.13
U	2.50	2.30	3.20	3.10	1.20	2.00	2.90	1.58
Ba+Sr	865	911	792	866	641	677	937	1644
La _N /Yb _N	25.14	19.81	21.06	21.74	12.64	20.38	19.21	20.25
Gd _N /Yb _N	2.91	2.36	2.51	2.75	1.98	2.51	2.45	2.96
Eu/Eu*	0.77	0.84	0.84	0.77	0.85	0.82	0.86	1.05
Sr/Y	16.99	11.57	10.40	4.40	12.29	10.18	13.60	13.09

Supplementary Table 1 (cont.)

	Sanukitoids								
	Undeformed granitoids								
	MR122A ⁱ	MR122B ⁱ	MR123 ⁱ	B124A ^g	MR125 ⁱ	B126 ^g	MR127 ⁱ	AP232 ^g	AP241 ^g
Latitude	24°53.500'	24°53.500'	24°53.578'	25°01.42'	24°53.061'	25°13.056'	-	25°19.121'	25°13.233'
Longitude	74°36.426'	74°36.426'	74°36.600'	74°45.123'	74°35.234'	74°49.05'	-	74°40.049'	74°49.156'
SiO ₂ (wt%)	64.13	63.61	62.52	65.52	63.34	65.78	67.36	65.81	66.31
TiO ₂	0.85	0.90	1.02	0.70	0.46	0.47	0.53	0.73	0.47
Al ₂ O ₃	14.54	14.99	13.55	15.70	16.69	16.31	14.69	15.53	16.15
Fe ₂ O ₃ T	5.68	5.84	6.77	4.97	4.75	4.57	4.19	4.89	4.60
MnO	0.07	0.06	0.06	0.08	0.08	0.07	0.06	0.07	0.07
MgO	1.97	2.00	2.16	1.07	3.12	1.51	1.60	1.26	1.52
CaO	1.37	1.01	1.07	2.10	2.51	2.65	2.26	2.59	2.67
Na ₂ O	3.37	4.22	3.65	4.43	4.96	4.57	4.29	4.51	4.61
K ₂ O	4.05	3.79	3.00	4.07	3.12	3.60	4.59	4.01	3.63
P ₂ O ₅	0.24	0.25	0.27	0.21	0.16	0.19	0.19	0.23	0.20
LOI	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sum	96.27	96.67	94.07	98.85	99.19	99.72	99.76	99.63	100.23
Ferromagnesian content	8.57	8.80	10.01	6.82	8.41	6.62	6.38	6.95	6.66
K ₂ O/Na ₂ O	1.20	0.90	0.82	0.92	0.63	0.79	1.07	0.89	0.79
Mg#	0.41	0.40	0.39	0.30	0.57	0.40	0.43	0.34	0.40

Sc (ppm)	9.70	10.00	12.00	9.90	9.00	7.79	9.70	9.70	7.91
V	52.00	58.00	58.00	54.09	59.00	65.56	49.00	56.99	66.54
Cr	61.00	90.00	61.00	73.43	86.00	172.87	74.00	72.25	175.46
Co	22.00	27.00	26.00	26.85	19.00	32.28	19.00	20.49	32.76
Ni	50.00	64.00	38.00	53.56	44.00	130.86	48.00	40.03	132.83
Cu	38.00	64.00	54.00	36.30	25.00	31.58	41.00	29.67	32.05
Zn	79.00	88.00	109.00	113.22	85.00	61.70	69.00	72.55	62.62
Ga	17.00	17.00	17.00	20.23	20.00	18.67	17.00	20.08	18.95
Rb	95.00	76.00	65.00	107.74	117.00	104.35	112.00	95.10	105.91
Sr	107.00	79.00	69.00	314.85	378.00	473.82	211.00	303.10	480.92
Y	19.00	14.00	20.00	28.08	11.00	13.99	31.00	23.15	14.20
Zr	63.00	154.00	160.00	55.65	69.00	53.30	173.00	53.84	54.10
Nb	20.00	22.00	23.00	20.57	7.30	8.49	14.00	17.89	8.62
Cs	0.99	1.20	1.00	0.92	1.00	0.72	0.80	0.93	0.73
Ba	1211.00	1249.00	963.00	1184.39	906.00	1087.52	874.00	1366.04	1103.83
La	43.00	52.00	66.00	93.53	48.00	46.68	107.00	55.69	47.38
Ce	88.00	103.00	133.00	142.23	84.00	85.88	196.00	102.54	87.16
Pr	10.00	12.00	16.00	16.37	9.00	9.50	21.00	12.14	9.64
Nd	40.00	44.00	58.00	56.47	30.00	32.42	68.00	43.00	32.90
Sm	7.70	7.60	10.40	9.60	4.50	5.07	10.00	7.62	5.15
Eu	1.00	2.10	2.40	2.39	1.50	1.51	1.60	2.50	1.53
Gd	6.40	6.30	8.50	8.55	4.10	4.42	10.00	6.83	4.48
Tb	0.81	0.67	1.00	1.06	0.46	0.50	1.20	0.86	0.51
Dy	3.80	2.80	4.20	5.20	2.10	2.35	5.70	4.18	2.38
Ho	0.75	0.53	0.75	0.98	0.42	0.45	1.10	0.82	0.46
Er	1.90	1.30	2.10	2.55	1.00	1.27	2.80	2.16	1.29
Tm	0.27	0.20	0.28	0.36	0.15	0.18	0.42	0.30	0.19
Yb	1.60	1.30	1.80	2.17	0.97	1.08	2.40	1.87	1.09
Lu	0.24	0.20	0.29	0.33	0.16	0.17	0.36	0.28	0.17
Hf	1.70	2.00	2.40	1.72	1.90	1.35	4.40	1.58	1.37
Ta	1.80	5.20	3.80	3.89	2.00	3.81	2.40	4.68	3.87
Pb	5.00	4.00	4.90	6.50	4.40	5.52	7.20	5.49	5.60
Th	5.80	5.00	12.00	10.67	8.00	7.70	19.00	7.23	7.81
U	1.70	1.40	1.50	1.75	1.10	1.13	2.30	1.61	1.15
Ba+Sr	1318	1328	1032	1499	1284	1561	1085	1669	1585
La _N /Yb _N	18.26	27.17	24.91	29.28	33.62	29.36	30.29	20.23	29.53
Gd _N /Yb _N	3.24	3.92	3.82	3.19	3.42	3.31	3.37	2.95	3.33
Eu/Eu*	0.43	0.93	0.78	0.80	1.06	0.97	0.49	1.06	0.97
Sr/Y	5.63	5.64	3.45	11.21	34.36	33.87	6.81	13.09	33.87

a: Rahaman & Mondal (2013); b: Ahmad et al. (2019); c: Rahaman (2018); d: Ahmad (2017); e: Mondal & Raza (2013).

Ferromagnesian content = TiO₂+Fe₂O₃^T+MnO+MgO. Eu/Eu* = Eu/√(Sm*Gd). ND: Not determined. bdl: below detection limit.

Supplementary Table 2: Nd-isotope data of Archean granitoids of the Aravalli Craton, NW India

	<i>TTG</i>	<i>t-TTG</i>				<i>Sanukitoids</i>	
	AP245 ^a	AP249 ^a	AP261 ^a	AP266 ^a	AP239 ^a	AP241 ^a	AP232 ^a
Age (t = Ga)	2.6	2.5	2.5	2.5	2.5	2.5	2.5
¹⁴⁷ Sm/ ¹⁴⁴ Nd	0.1073	0.0852	0.0841	0.0941	0.0975	0.0945	0.1071
¹⁴³ Nd/ ¹⁴⁴ Nd	0.510993	0.510722	0.510818	0.510872	0.510514	0.510818	0.510926
ε _{Nd} (t)	-1.6	-1.1	0.5	-1	-6.9	-1.9	-3.3
T _{DM} (Ga)	2.8	2.65	2.52	2.65	3.15	2.72	2.88

^aRahaman et al. (2019)