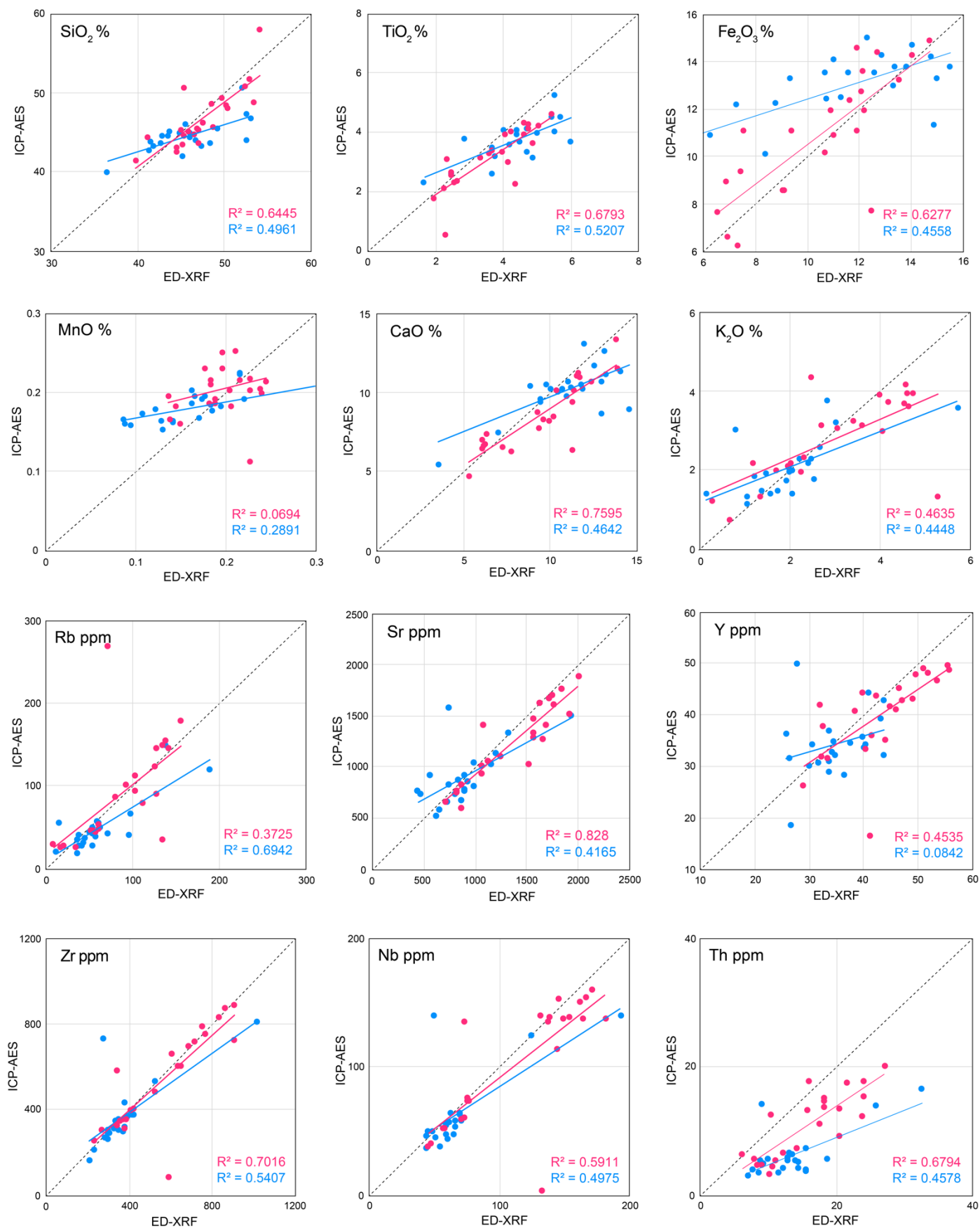


Supplementary Figure S1

Comparison of results from ED-XRF and ICP-AES analyses. Red dots represent fine-grained material, blue dots represent coarse-grained material or weathered surfaces. Coefficients of determination (R^2) and trendlines orientation in relation to the 1:1 slope indicate how comparable the results are.



Supplementary Table S4. ICP-AES analyses of Teti'aroa materials: Major elements (%)

AB: alkali basalt; AN: andesite; BM: benmoreite; BS: basanite; PB: picritic basanite; PT: phonotephrite; TE: tephrite; TP: tephriphonolite.
Fe₂O₃: total iron as Fe₂O₃; LOI: loss on ignition (wt%). See text for analytical methods.

(*) Access at <http://georem.mpch-mainz.gwdg.de>

Technique: ICP-AES

Instrument: Horiba Jobin Yvon Ultima

Laboratory: PSO/IUEM Plouzané

Analyst: Liorzou, Céline

Analysis date: July 2018

Sample name	Rock type	Cluster	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	MnO	K ₂ O	Na ₂ O	P ₂ O ₅	LOI	Total
HOR-13-08-3	PB	E	40	2.61	8.62	14.2	8.89	20.5	0.19	1.39	1.67	0.42	-0.2	98.2
RIM-01-10b-d	BS	H	41.5	4.62	14.5	14.9	11.5	6.11	0.2	1.22	2.8	1	1.86	100
HORs-09b-g	BS	F	42.1	3.21	11.4	15.1	11.3	14.8	0.2	1.14	2.03	0.5	0.42	102
HOR-18-17-2	BS	F	42.1	2.83	9.83	13.9	10.8	17.3	0.19	0.91	2.21	0.49	0.64	101
RIM-01-23-14	BS	H	42.2	3.67	15.6	14.4	9.49	6.32	0.2	0.98	2.77	1.16	4.44	101
RIM-01-23-1	BS	F	42.2	3.17	11	12.9	12	10.9	0.18	1.45	2.28	0.67	1.38	98.1
RIM-01-10b-b	BS	F	42.5	4.33	14.2	14.4	10.9	5.73	0.21	2.11	3	0.91	1.03	99.4
RIM-01-10b-f	BS	F	42.6	3.67	14.1	12.5	9.81	6.11	0.17	1.95	2.94	0.55	3.62	98.1
RIM-01-10b-c	BS	F	42.7	3.67	15.8	13.2	11.2	5.2	0.21	2	3.18	0.9	1.03	99.1
TIA-01-20	BS	F	42.8	3.48	12.4	13	11.1	10.4	0.18	1.85	3.22	0.75	-0.1	99.1
RIM-01-23-8	BS	F	43	4.25	14.8	13.6	11	5.54	0.18	1.95	2.79	0.71	1.54	99.5
HORs-09b-e	BS	F	43.3	4.06	15.6	14.3	11.7	5.16	0.2	1.48	3.25	0.61	0.88	101
HOR-15-2	BS	F	43.3	3.67	13.9	13.3	13.1	6.59	0.18	1.42	1.99	0.55	2.07	100
RIM-01-23-3	TE	I	43.4	3.33	14.5	11.1	8.31	5.52	0.21	3.12	4.06	0.93	3.73	98.3
RIM-16-12-1	BS	F	43.6	3.83	14.8	13.8	10.3	4.5	0.18	1.35	3.79	0.58	4.32	101
RIM-15-11-d	BS	F	43.6	3.61	13.2	13.8	12.6	7.85	0.19	1.32	2.63	0.55	0.32	99.7
TIAs-19-1	BS	F	43.7	3.77	15.2	13.6	10.7	4.53	0.17	1.96	3.13	0.57	3.42	101
RIM-01-23-15	BS	F	43.7	4.02	13.7	12.8	11.2	6.6	0.16	2.19	2.52	0.58	1.8	99.3
TIAs-19-2	BS	F	43.8	5.26	14.6	13.8	10.5	4.8	0.17	2	2.73	0.59	2.22	100
REI-10-01	BS	F	43.9	4.08	12.9	14.1	10.5	5.49	0.18	3.2	2.05	0.53	1.68	98.8
RIM-01-23-13	BS	F	44.1	4.13	15.2	12.5	10.2	4.97	0.16	2.28	2.98	0.71	1.34	98.6
REIs-07	AB	G	44.3	3.92	12	14.6	13.3	7.7	0.19	1.32	2.47	0.48	-0.2	100
HOR-01-24	BS	F	44.4	4.54	16.1	12.2	10	4.84	0.16	2.27	3.95	0.93	0.94	100
RIM-01-23-6	TE	I	44.5	3.39	15.2	11.5	8.52	4.87	0.22	2.94	4.55	0.99	3.15	99.7

Supplementary Table S4. ICP-AES analyses of Teti'aroa materials: Major elements (%)

Sample name	Rock type	Cluster	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃ *	CaO	MgO	MnO	K ₂ O	Na ₂ O	P ₂ O ₅	LOI	Total
HORs-09b-f	BS	F	44.5	4.04	15.2	14.7	10.5	4.32	0.2	1.92	3.19	0.67	1.32	101
REI-20-06-4	BS	F	44.6	3.68	14.8	13.6	10.2	6.09	0.16	1.74	2.73	0.58	2.54	101
RIM-01-10b-e	BS	H	44.6	4.26	15.2	14.3	10.7	5.26	0.19	0.73	3.33	0.67	0.47	99.8
RIM-15-11-b	BS	F	44.7	3.75	13	14.2	12.9	7.79	0.19	1.36	2.59	0.54	0.95	102
RIM-01-10b-a	TE	I	44.8	3.64	14.5	12	8.71	4.49	0.22	2.99	5.23	0.78	1.69	99
RIM-01-23-4	AB	G	44.8	4.24	15	14	11	5.77	0.19	1.63	2.18	0.65	1.67	101
RIM-01-10a-g	BS	F	44.9	3.99	14.9	13.8	10.3	4.69	0.19	2.02	3.07	0.66	0.79	99.3
REI-20-06-5	BS	F	45	3.14	12.3	13.3	9.76	10.6	0.16	1.41	2.18	0.51	1.21	99.5
RIM-01-10a-d	TE	I	45.1	3.38	15.5	11.3	8.68	4.61	0.22	3.04	5.96	0.96	0.73	99.6
RIM-01-23-9	AB	G	45.2	4.39	15	13.7	10.3	5.03	0.19	1.99	3.1	0.69	0.72	100
RIM-01-23-17	TE	I	45.2	3.28	15.3	10.9	8.22	4.43	0.22	3.14	5.65	0.94	1.55	98.9
HORs-09b-h	AB	G	45.3	4.12	15	13.2	10.2	4.74	0.19	2	3.46	0.65	0.96	99.8
RIM-01-23-5	AB	G	45.3	4.24	14.5	14	11.3	5.63	0.19	1.64	2.97	0.62	0.75	101
HORs-09b-c	TE	I	45.3	3.41	15.9	11.1	8.49	4.52	0.22	3.08	5.7	0.94	1.55	100
REI-02-02	AB	G	45.5	4.54	12.7	13.6	10.7	5.96	0.17	1.49	2.38	0.5	1.35	98.8
RIM-16-12-3	AB	G	45.5	4.14	13.1	13.3	12.6	7.13	0.17	1.52	2.52	0.57	0.84	101
HOR-09-16-1	AB	G	45.6	3.02	12.7	12.4	10.2	10.6	0.17	2.18	2	0.52	0.68	100
RIM-01-10a-c	BS	F	45.6	3.92	16.3	11.9	9.43	4.68	0.19	2.34	3.6	0.83	1.31	100
REI-14-04	AB	G	45.7	2.76	11.3	12.5	11.2	11.5	0.16	1.24	2.02	0.33	0.36	99.2
HOR-13-08-5	BS	F	46.1	4.06	15.6	12.3	9.61	4.62	0.17	2.59	3.89	0.78	0.07	99.8
TIAs-09a	PT	C	46.1	3.33	15.6	11	8.39	4.13	0.22	3.23	5.7	0.93	2.17	101
REI-16-05	AB	G	46.3	3.91	14.2	12.4	10.2	4.92	0.16	2.17	2.46	0.59	1.01	98.4
RIM-01-23-11	PT	C	46.3	3.19	15.7	10.4	8.16	4.22	0.21	3.26	6.07	0.97	1.29	99.8
RIM-01-10a-h	PT	C	46.3	3.14	15.9	10.2	7.76	4.1	0.2	3.23	5.78	0.85	1.74	99.2
RIM-01-23-16	AB	G	46.3	4.16	15.5	12.7	10.7	4.95	0.17	2.01	3.03	0.63	0.51	101
RIM-15-22-a	TE	I	46.7	3.49	15.7	10.9	8.19	4.27	0.22	3.17	5.47	0.84	2.21	101
HORs-09b-b	AB	G	46.8	3.33	15.1	10.9	9.38	5.4	0.15	1.76	3.31	0.72	2.96	99.9
RIM-15-22-c	PT	C	47.1	3.11	15.9	9.93	7.76	3.89	0.19	3.2	5.38	0.89	2.34	99.7
RIM-01-10b-g	PT	C	47.2	2.54	16.5	9.21	7.03	3.75	0.22	3.66	5.98	0.89	2.23	99.2

Supplementary Table S4. ICP-AES analyses of Teti'aroa materials: Major elements (%)

Sample name	RT	Clust	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃ *	CaO	MgO	MnO	K ₂ O	Na ₂ O	P ₂ O ₅	LOI	Total
HORs-09b-d	PT	C	47.3	2.59	18.6	10.1	7.43	2.68	0.22	3.75	6.85	0.7	0.3	101
REI-20-06-3	PT	C	47.5	2.51	16.7	9.1	6.6	3.21	0.19	3.57	5.64	0.83	2.87	98.7
HOR-13-08-2	PT	C	48	3.1	17.2	11.1	7.35	2.48	0.3	3.67	5.29	0.57	1	100
RIM-01-23-12	PT	C	48.4	2.56	16.5	9.39	6.7	3.3	0.21	3.69	6.55	0.85	0.99	99.1
RIM-01-10a-f	PT	C	48.4	2.32	16.7	8.6	6.26	3.16	0.2	3.71	6.61	0.8	2.08	98.8
RIM-01-10a-e	PT	C	48.6	2.36	16.7	8.61	6.55	3.3	0.2	3.9	6.13	0.8	2.53	99.6
HORs-09b-a	PT	C	48.7	2.67	18.1	8.92	6.43	2.08	0.25	3.93	6.63	0.44	0.72	98.9
RIM-01-23-10	PT	C	48.8	2.4	16.7	8.85	6.33	3.49	0.21	3.75	6.63	0.81	1.71	99.6
HOR-13-08-1	PT	C	49.4	2.56	19.3	9.41	6.76	2.16	0.25	3.94	6.13	0.47	1.12	102
RIM-16-12-2	PT	C	50.4	2.46	18.6	8	6.28	2.01	0.23	3.93	4.56	0.52	3.96	101
RIM-15-11-a	PT	C	50.6	2.3	17.4	9.02	5.48	2.56	0.19	3.59	5.65	0.44	2.22	99.4
RIM-01-10a-b	PT	C	50.6	2.28	19.5	7.7	6.34	2.26	0.23	4.36	5.69	0.46	1.07	101
HOR-20-25	PT	C	50.8	2.12	20.5	7.68	6.66	2.13	0.23	3.63	5.86	0.51	1.7	102
RIM-01-10a-i	TP	D	51.7	1.77	17.9	6.6	4.72	2.31	0.18	4.17	6.97	0.49	2.42	99.3
RIMs-13	TP	D	53.6	1.38	18.2	5.21	3.09	1.76	0.17	4.21	7.48	0.25	2.36	97.6
RIM-01-23-7	TP	D	54.6	1.44	18.3	5.7	3.14	1.2	0.18	4.04	7.69	0.25	0.97	97.5
RIM-15-22-b	BM	B	56.9	1.1	16.5	7.33	3.59	1.83	0.16	4.41	5.01	0.25	1.83	99
RIM-01-10a-a	AN	A	57.9	0.56	17.8	6.29	7.05	3.47	0.11	1.33	3.59	0.21	2.53	101
JB-2			53.3	1.19	14.6	14.3	9.82	4.62	0.22	0.42	2.04	0.1		
JB-2 preferred values*			53.1	1.17	14.6	14.3	9.85	4.43	0.21	0.42	2.05	0.1		
JB-2 pref values SD*			0.18	0.01	0.1	0.12	0.08	0.35	0	0.01	0.03	0		
AC-E			70.4	0.11	14.7	2.53	0.34	0.03	0.06	4.49	6.54	0.01	0.37	99.5
WS-E			51.1	2.4	13.8	13.2	9	5.55	0.18	0.99	2.45	0.31	0.85	99.8
WS-E preferred values*			51.1	2.43	13.8	13.1	9	5.63	0.17	1	2.48	0.3		
WS-E pref values SD*			0.2	0.03	0.14	0.12	0.08	0.06	0	0.01	0.05	0.01		
BELC			38.8	2.63	10.3	12.9	14.1	13.1	0.2	1.65	3.5	1.05	1.55	99.6
Morb-E			49.8	1.77	16.3	9.78	11	7.55	0.18	0.41	3.08	0.25	-0.2	99.9
CB2			47	2.4	16.1	12.1	9.85	6.5	0.2	1.66	3.8	0.67	-0.6	99.7
CB15			49.8	1.38	15.2	11.1	11.8	7.45	0.19	0.13	2.6	0.14		99.8
CB18			40.4	2.5	11.7	14.1	11.7	10.9	0.46	2.17	3.32	0.91	1.46	99.5

Supplementary Table S4. ICP-AES analyses of Teti'aroa materials: Trace elements (ppm)

Technique: ICP-AES

Instrument: Horiba Jobin Yvon Ultima

Laboratory: PSO/IUEM Plouzané

Analyst: Liorzou, Céline

Analysis date: July 2018

Sample name	Rock type	Cluster	Sc	Rb	Sr	Y	Zr	Nb	Ba	La	Ce	Nd	Sm	Eu	Gd	Dy	Er	Yb	Th
HOR-13-08-3	PB	E	21	21	524	19	166	37	395	29	55	31	6	2	5	4	3	1	3
RIM-01-10b-d	BS	H	18	29	1109	43	405	74	690	59	133	71	14	4	12	8	4	2	6
HORs-09b-g	BS	F	28	19	679	29	211	45	439	36	70	43	9	3	8	6	3	2	3
HOR-18-17-2	BS	F	26	15	707	24	213	40	411	33	66	40	8	3	7	5	4	2	4
RIM-01-23-14	BS	H	19	9	1088	41	451	75	791	63	139	73	14	4	12	8	4	3	7
RIM-01-23-1	BS	F	26	25	854	29	270	53	523	93	50	10	3	9	6	4	2	29	5
RIM-01-10b-b	BS	F	17	48	1068	41	402	75	723	64	132	75	13	4	12	8	4	2	7
RIM-01-10b-f	BS	F	21	43	702	32	279	46	389	40	87	50	10	3	9	7	3	2	5
RIM-01-10b-c	BS	F	16	29	1004	38	330	71	770	59	122	64	11	4	11	8	4	3	7
TIA-01-20	BS	F	21	41	838	31	289	57	548	50	101	55	11	3	9	7	3	2	6
RIM-01-23-8	BS	F	19	44	931	35	359	61	587	53	114	65	13	4	11	7	4	2	6
HORs-09b-e	BS	F	19	39	857	34	295	56	553	43	89	50	10	3	9	7	3	2	5
HOR-15-2	BS	F	28	28	768	32	266	48	420	38	79	48	9	3	9	6	3	2	4
RIM-01-23-3	TE	I	8	80	1620	50	757	138	994	99	193	90	18	5	13	9	5	3	13
RIM-16-12-1	BS	F	17	36	790	33	275	52	447	38	86	47	10	3	9	7	3	2	4
RIM-15-11-d	BS	F	31	36	733	32	268	50	533	40	84	48	10	3	9	7	3	2	4
TIAs-19-1	BS	F	17	44	771	35	271	50	539	39	84	48	10	3	9	7	3	2	4
RIM-01-23-15	BS	F	26	47	764	32	330	52	551	45	96	56	12	3	10	7	4	2	6
TIAs-19-2	BS	F	16	42	928	32	372	58	603	44	98	57	12	3	10	7	3	2	5
REI-10-01	BS	F	21	67	923	34	308	47	496	40	88	54	11	3	9	7	4	2	4
RIM-01-23-13	BS	F	16	56	1028	34	356	64	647	57	119	64	13	4	11	7	5	2	7
REIs-07	AB	G	32	26	606	32	308	38	323	34	78	48	10	3	9	6	3	2	3
HOR-01-24	BS	F	14	58	1134	35	347	63	678	53	109	64	13	4	11	7	3	2	6
RIM-01-23-6	TE	I	8	108	1526	49	758	143	979	95	196	90	17	5	14	10	5	3	12

Supplementary Table S4. ICP-AES analyses of Teti'aroa materials: Trace elements (ppm)

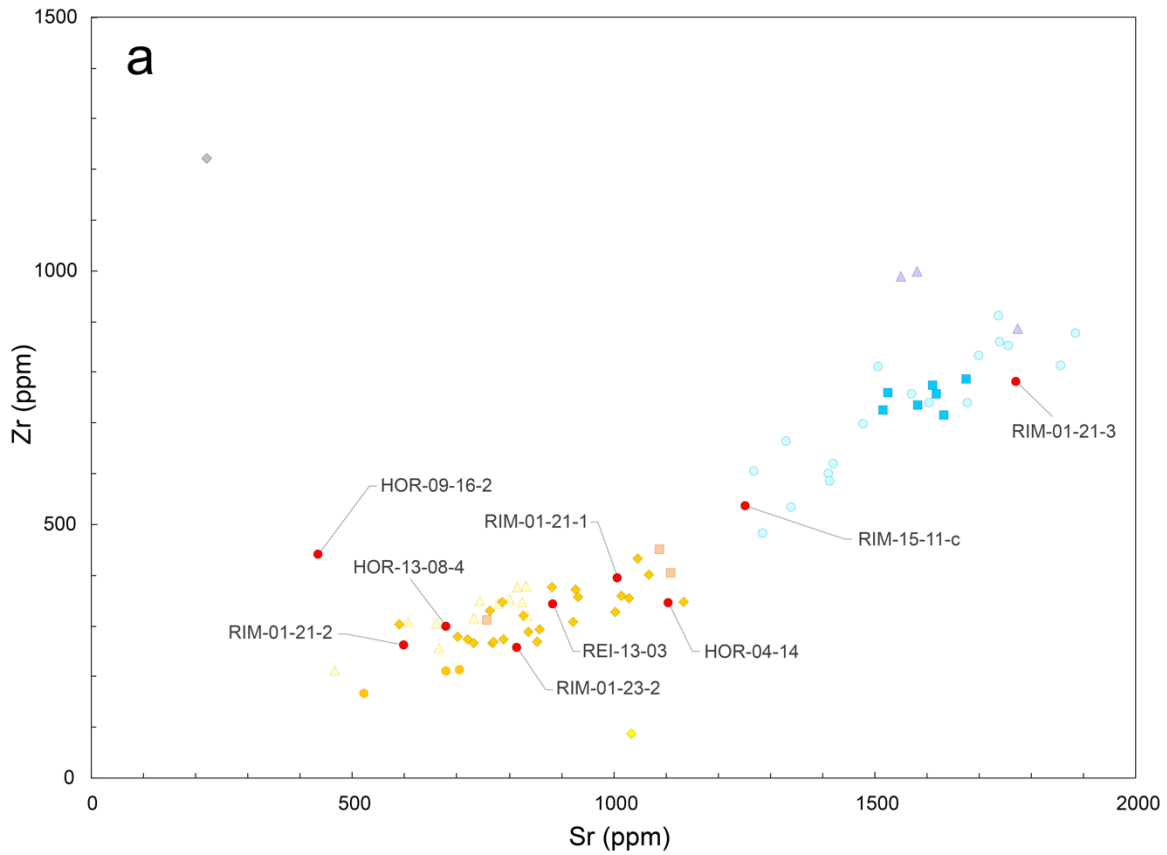
Sample name	Rock type	Cluster	Sc	Rb	Sr	Y	Zr	Nb	Ba	La	Ce	Nd	Sm	Eu	Gd	Dy	Er	Yb	Th
HORs-09b-f	BS	F	17	43	883	39	377	54	515	50	108	62	13	4	11	8	4	3	5
REI-20-06-4	BS	F	18	27	828	33	322	44	459	42	88	51	10	3	9	7	3	2	5
RIM-01-10b-e	BS	H	21	26	759	34	311	52	422	44	97	56	11	3	10	7	4	2	5
RIM-15-11-b	BS	F	33	32	720	34	273	49	458	38	80	47	10	3	9	6	3	2	4
RIM-01-10b-a	TE	I	9	93	1517	48	726	137	905	89	184	90	17	5	13	10	5	3	12
RIM-01-23-4	AB	G	22	31	745	43	350	52	406	52	102	70	15	4	13	9	4	3	4
RIM-01-10a-g	BS	F	15	43	788	36	347	54	559	48	103	60	12	3	10	8	5	2	6
REI-20-06-5	BS	F	23	29	588	28	303	38	355	38	83	48	9	3	8	6	3	2	4
RIM-01-10a-d	TE	I	8	55	1583	50	734	140	992	101	200	97	17	5	15	10	5	3	14
RIM-01-23-9	AB	G	19	47	831	38	380	66	542	49	108	58	12	3	10	8	5	3	5
RIM-01-23-17	TE	I	7	101	1675	49	787	139	993	95	189	90	16	5	13	9	5	3	13
HORs-09b-h	AB	G	17	46	824	38	349	59	524	46	101	58	12	4	10	8	4	3	5
RIM-01-23-5	AB	G	22	33	780	35	345	51	402	42	92	54	10	3	10	7	3	2	4
HORs-09b-c	TE	I	8	87	1632	49	716	135	990	95	189	90	17	5	14	9	5	3	13
REI-02-02	AB	G	22	38	662	30	306	46	327	34	74	46	9	3	9	6	3	2	4
RIM-16-12-3	AB	G	31	27	835	33	320	45	407	43	97	55	11	3	10	7	3	2	6
HOR-09-16-1	AB	G	24	27	667	26	256	40	447	36	73	42	8	2	7	5	3	2	5
RIM-01-10a-c	BS	F	9	54	1015	36	360	73	656	58	118	62	11	4	11	7	4	2	7
REI-14-04	AB	G	34	19	465	24	214	32	323	24	48	31	6	2	6	5	2	2	3
HOR-13-08-5	BS	F	15	49	1045	36	433	64	558	56	117	68	15	4	11	8	3	2	6
TIAAs-09a	PT	C	7	135	1680	47	740	136	930	91	183	85	17	5	13	9	4	3	12
REI-16-05	AB	G	20	49	731	31	316	55	587	46	94	53	10	3	9	7	3	2	7
RIM-01-23-11	PT	C	7	123	1605	48	741	138	979	94	193	88	16	5	13	9	5	3	13
RIM-01-10a-h	PT	C	7	113	1478	45	699	140	928	94	184	88	15	5	13	9	5	3	14
RIM-01-23-16	AB	G	21	39	802	34	352	53	455	43	97	55	11	3	10	7	4	2	4
RIM-15-22-a	TE	I	8	94	1611	47	775	143	990	89	180	84	16	5	13	9	4	3	12
HORs-09b-b	AB	G	17	32	814	37	378	58	516	48	105	59	11	4	11	7	3	3	5
RIM-15-22-c	PT	C	7	117	1572	47	756	134	975	91	183	84	15	4	13	9	6	3	13
RIM-01-10b-g	PT	C	5	141	1856	52	814	154	1169	116	220	99	18	5	14	10	6	4	18

Supplementary Table S4. ICP-AES analyses of Teti'aroa materials: Trace elements (ppm)

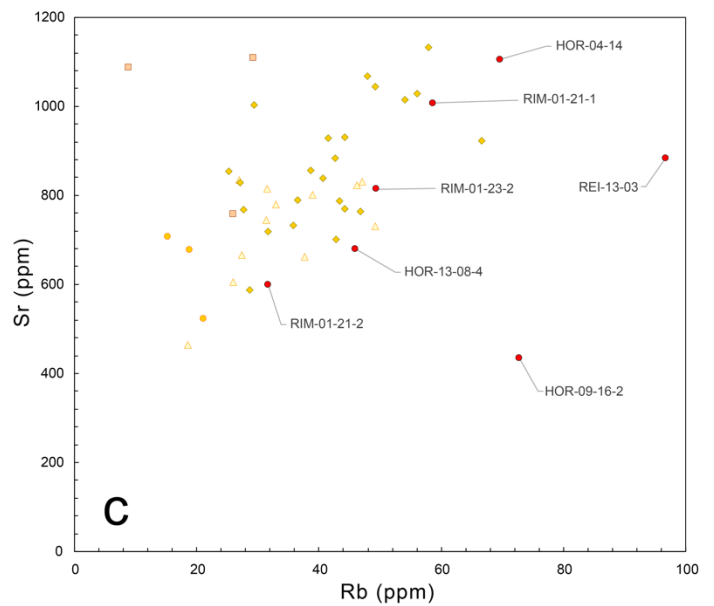
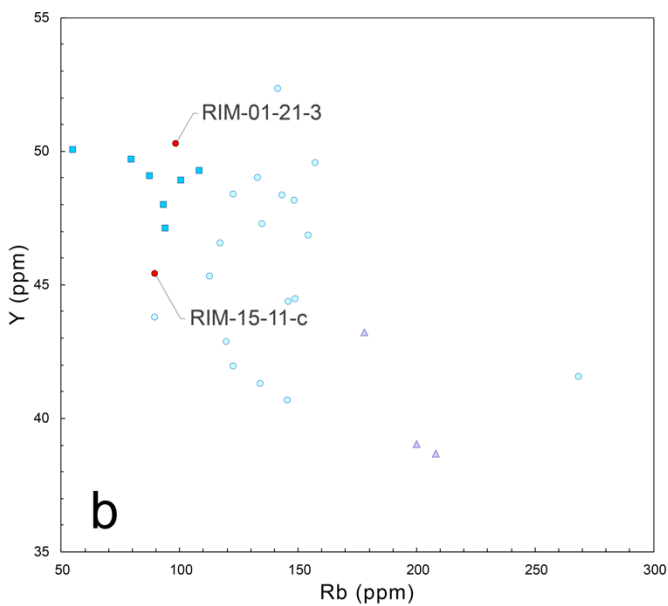
Sample name	Rock type	Cluster	Sc	Rb	Sr	Y	Zr	Nb	Ba	La	Ce	Nd	Sm	Eu	Gd	Dy	Er	Yb	Th
HORs-09b-d	PT	C	5	149	1341	44	535	124	1080	98	187	82	14	4	12	9	4	3	14
REI-20-06-3	PT	C	4	133	1757	49	853	146	1084	110	203	92	16	5	13	10	5	3	17
HOR-13-08-2	PT	C	3	90	1332	44	664	153	1068	102	192	81	14	4	11	8	4	3	15
RIM-01-23-12	PT	C	4	143	1740	48	859	152	1096	105	205	89	16	5	13	9	5	3	15
RIM-01-10a-f	PT	C	4	155	1699	47	833	151	1086	109	207	91	16	5	12	9	6	3	18
RIM-01-10a-e	PT	C	5	149	1885	48	878	154	1120	110	210	93	16	5	12	9	6	3	18
HORs-09b-a	PT	C	2	145	1271	41	605	138	1062	100	191	79	14	4	11	8	4	3	15
RIM-01-23-10	PT	C	4	157	1738	50	910	164	1139	109	212	89	16	5	13	9	5	3	16
HOR-13-08-1	PT	C	3	146	1412	44	601	138	1145	101	183	80	13	4	11	8	4	3	15
RIM-16-12-2	PT	C	2	134	1423	41	619	140	1131	96	182	75	13	4	10	8	4	3	14
RIM-15-11-a	PT	C	6	120	1508	43	810	140	1116	101	176	76	13	4	10	8	4	3	17
RIM-01-10a-b	PT	C	2	269	1415	42	584	136	1258	108	196	81	14	4	11	8	5	3	18
HOR-20-25	PT	C	2	123	1287	42	483	114	1190	80	151	68	12	4	10	7	4	3	11
RIM-01-10a-i	TP	D	3	178	1773	43	886	160	1172	110	200	81	13	4	10	8	5	3	20
RIMs-13	TP	D	1	200	1551	39	990	171	1262	104	184	65	11	3	9	7	6	3	20
RIM-01-23-7	TP	D	1	208	1581	39	1000	174	1236	101	186	66	11	3	9	7	4	3	19
RIM-15-22-b	BM	B	8	215	221	60	1223	199	123	104	212	89	17	2	13	11	6	5	34
RIM-01-10a-a	AN	A	17	36	1034	16	87	4	901	24	41	22	4	1	3	3	1	2	9
JB-2			54	7	178	25	51	2	222	2	7	7	2	1	3	4	3	3	0
JB-2 preferred values*			54	6	178	24	48	1	218	2	7	6	2	1	3	4	3	3	0
JB-2 pref values SD*			1	0	2	0	1	0	3	0	0	0	0	0	0	0	0	0	0
AC-E			0	152	3	184	780	110	55	59	154	92	24	2	26	29	18	17	19
WS-E			28	25	405	31	190	18	335	27	60	33	9	2	7	6	3	2	3
WS-E preferred values*			28	26	408	32	204	18	335	27	60	33	9	2	7	6	3	3	3
WS-E pref values SD*			1	1	9	1	6	1	11	0	1	1	0	0	0	0	0	0	0
BELC			23	51	1420	30	260	104	975	82	148	67	12	4	10	6	3	2	11
Morb-E			38	4	220	33	150	9	40	9	23	16	4	2	5	6	3	3	1
CB2			22	38	810	27	224	61	520	46	87	42	8	2	7	5	3	2	5
CB15			41	2	115	31	80	3	18	4	10	10	3	1	5	5	3	3	0
CB18			25	112	1160	61	250	96	910	76	139	64	12	3	10	11	6	6	13

Supplementary Figure S5.

Plots of individual variables showing the association between the samples analyzed with ED-XRF and the geochemical groups identified with the ICP-AES data.



- pXRF
- Group A - andesite
- Group B - benmoreite
- Group C - phonotephrite
- Group D - tephriphonolite
- Group E - picritic basanit
- Group F - basanite
- Group G - alkali basalt
- Group H - basanite
- Group I - tephrite



Supplementary Figure S6. Plot of MgO against SiO₂. Conventions as in Figure 2.

