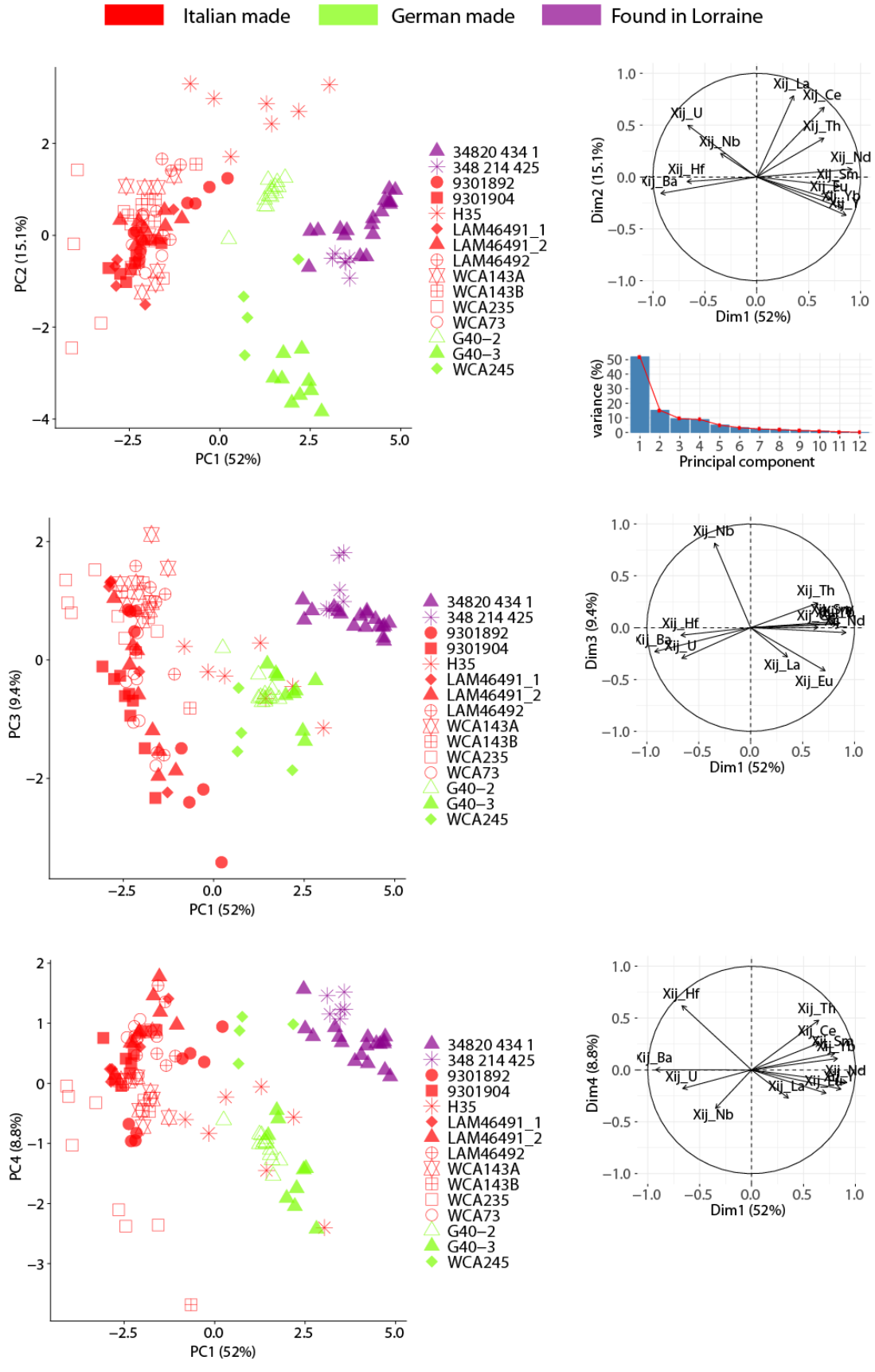
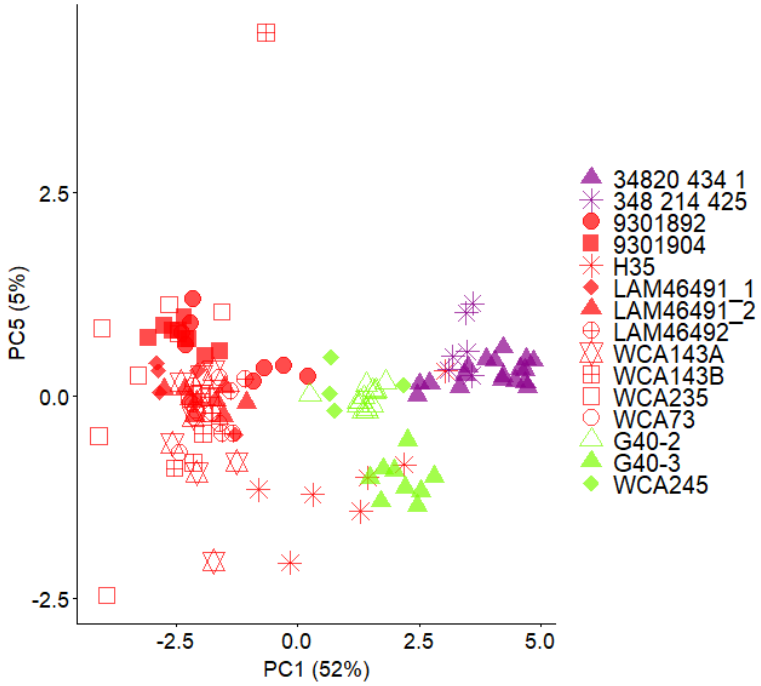
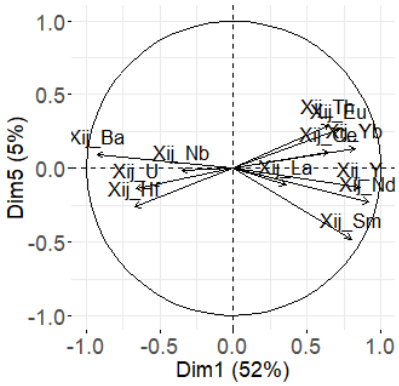
Electronic Supplementary Information (ESI)

PCA carried out on transformed data of SI originating from armour




PC5 (5%)
PC1 (52%)
2.5
0.0
-2.5
-2.5
0.0
2.5
5.0
34820 434 1
348 214 425
9301892
9301904
H35
LAM46491_1
LAM46491_2
LAM46492
WCA143A
WCA143B
WCA235
WCA73
G40-2
G40-3
WCA245


Dim5 (5%)
Dim1 (52%)
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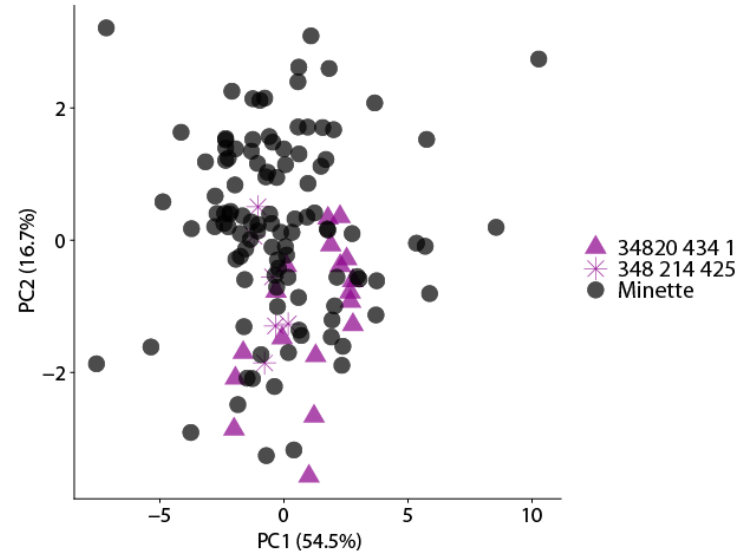
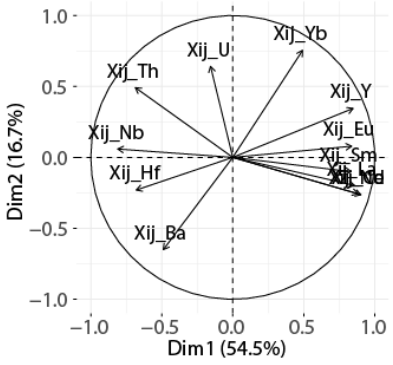
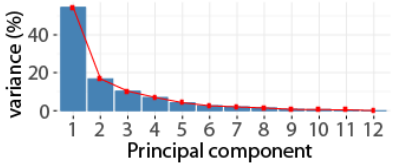
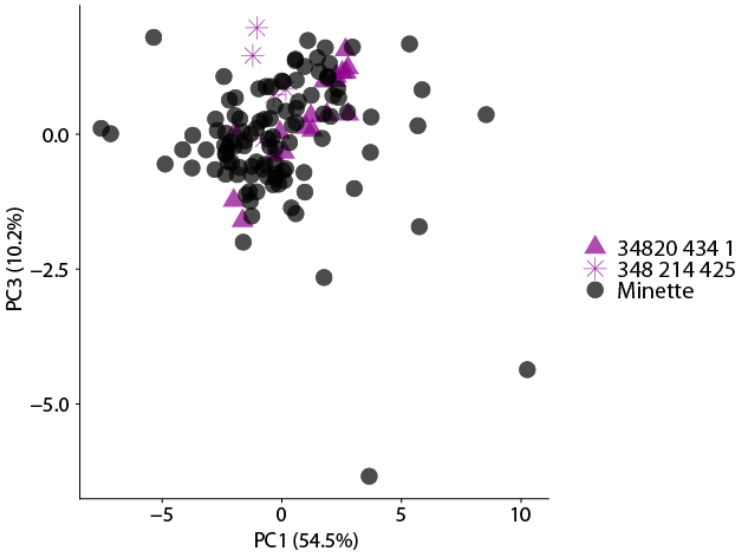
0.5
0.0
-0.5
-1.0
-1.0
-0.5
0.0
0.5
1.0
Xij_Ba
Xij_Nb
Xij_U
Xij_Hf
Xij_La
Xij_Y
Xij_Nd
Xij_Sm
Xij_Yb

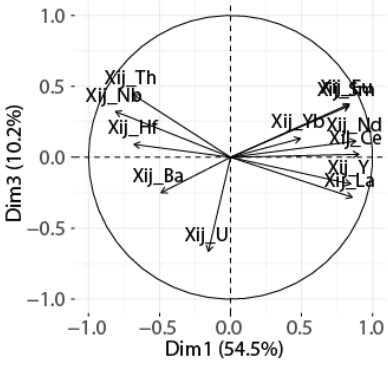
PCA carried out on the transformed data of SI originating from the armour plates found in Lorraine and from the Lorraine area la Minette

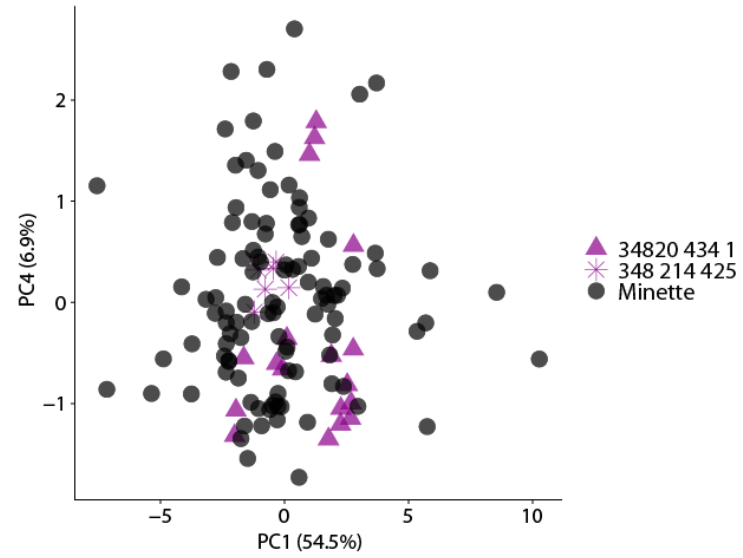


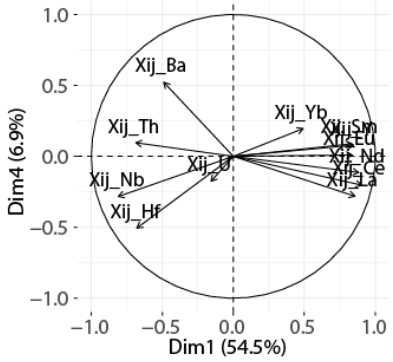


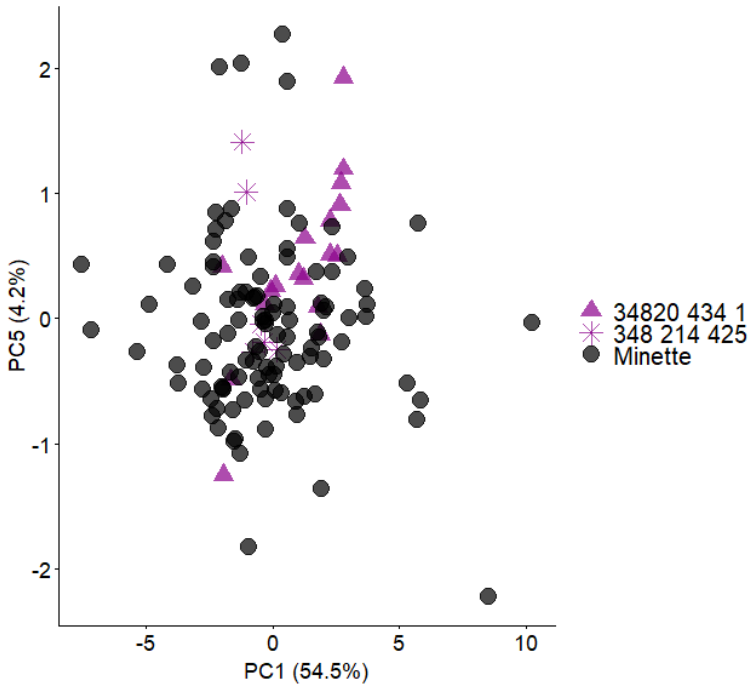


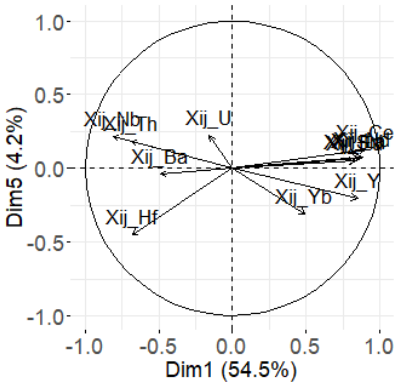




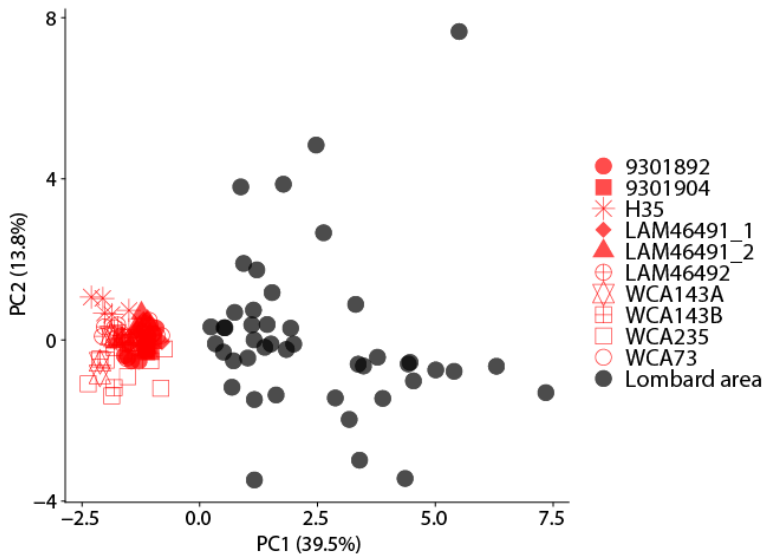


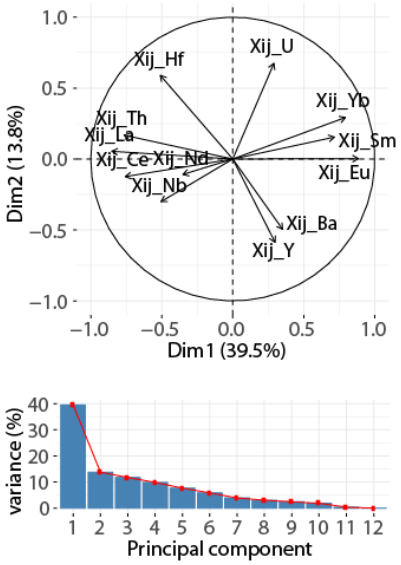


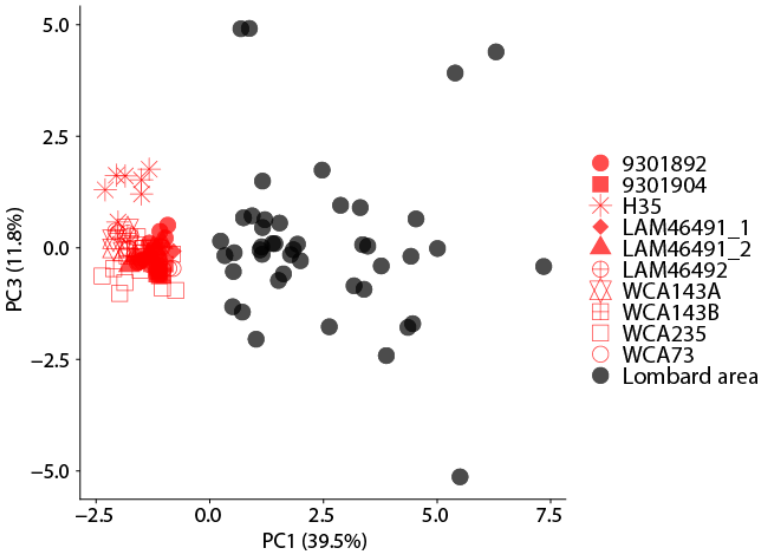

PC5 (4.2%)
PC1 (54.5%)
34820 434 1
348 214 425
Minette

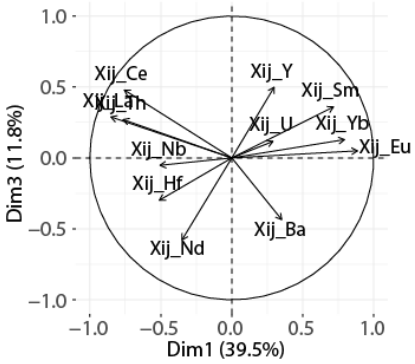

Dim5 (4.2%)
Dim1 (54.5%)
Xij_Th
Xij_U
Xij_Ba
Xij_Y
Xij_Yb
Xij_Hf

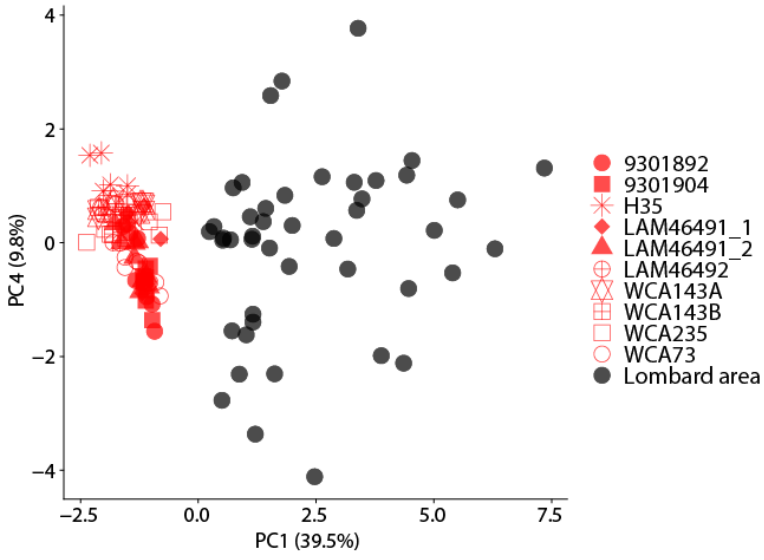
PCA carried out on the transformed data of SI originating from the Italian armour and from the Lombard area

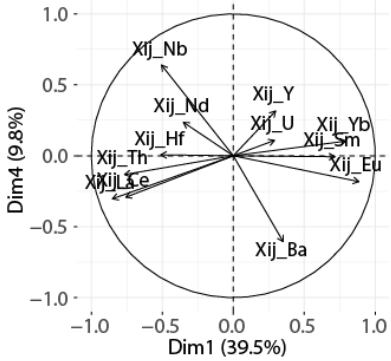


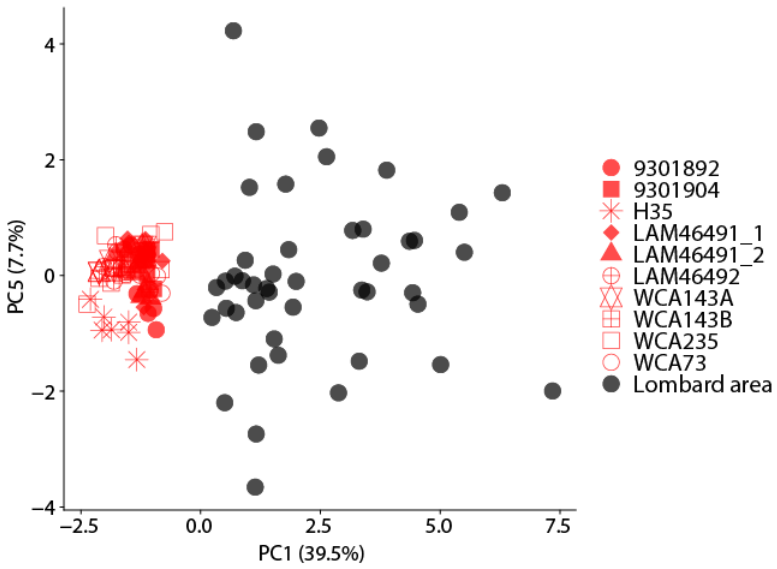


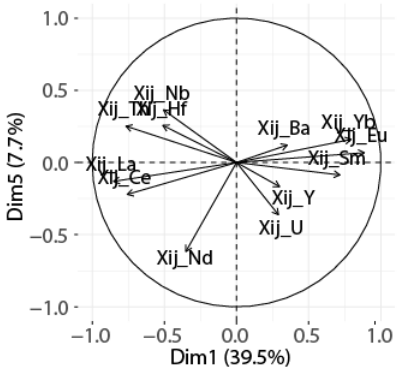


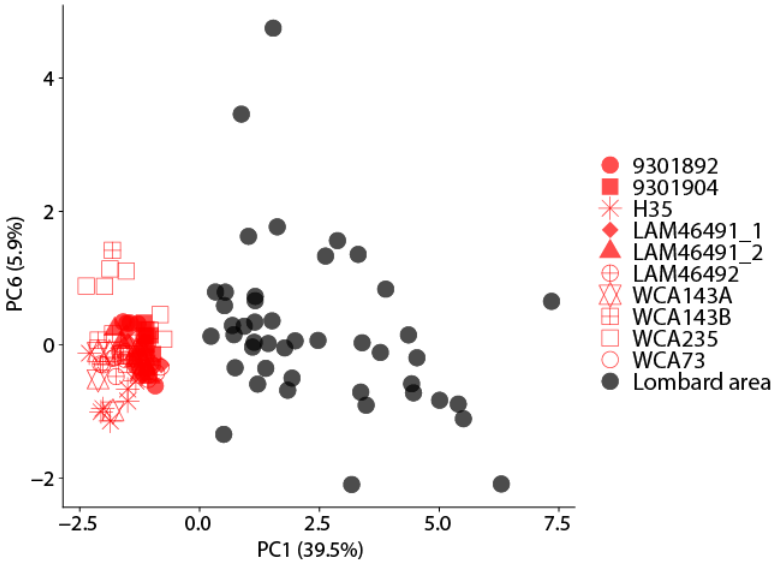


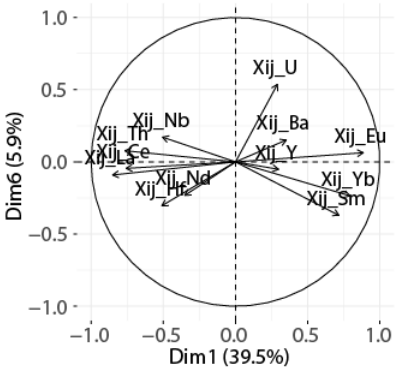


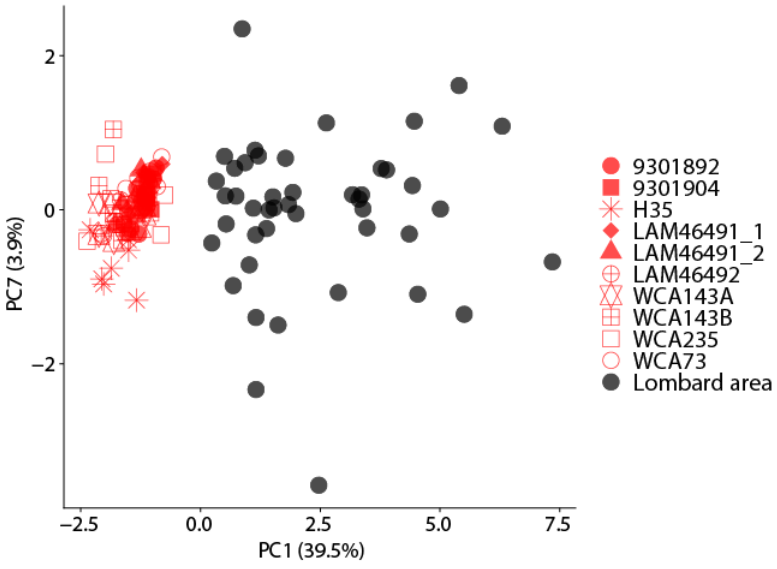


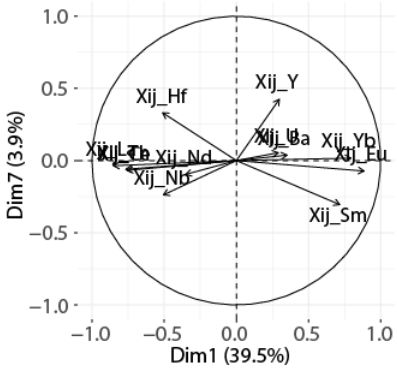

PC5 (7.7%)
PC1 (39.5%)
9301892
9301904
H35
LAM46491_1
LAM46491_2
LAM46492
WCA143A
WCA143B
WCA235
WCA73
Lombard area


Dim5 (7.7%)
Dim1 (39.5%)
Xij_Nb
Xij_Hf
Xij_Ba
Xij_Yb
Xij_Eu
Xij_La
Xij_Ce
Xij_Sm
Xij_Y
Xij_U
Xij_Nd


PC6 (5.9%)
PC1 (39.5%)
9301892
9301904
H35
LAM46491_1
LAM46491_2
LAM46492
WCA143A
WCA143B
WCA235
WCA73
Lombard area


Dim6 (5.9%)
Dim1 (39.5%)
Xij_U
Xij_Nb
Xij_Ba
Xij_Th
Xij_Eu
Xij_Y
Xij_Ce
Xij_La
Xij_Nd
Xij_Yb
Xij_Hf
Xij_Sm


PC7 (3.9%)
PC1 (39.5%)
9301892
9301904
H35
LAM46491_1
LAM46491_2
LAM46492
WCA143A
WCA143B
WCA235
WCA73
Lombard area


Dim7 (3.9%)
Dim1 (39.5%)
Xij_Hf
Xij_Y
Xij_Ba
Xij_Yb
Xij_Eu
Xij_Nd
Xij_Sm

Results on the major element composition of SI originating from armour. All values are in wt.%.

Sample	No of the SI	O	Na	Mg	Al	Si	P	S	Cl	K	Ca	Ti	V	Cr	Fe	Mn
9301892	1	34.3	0.4	1.4	2.5	24.8	<0.2	<0.2	<0.2	2.8	8.3	<0.2	<0.2	<0.2	20.5	4.8
	2	35.6	0.5	2.1	2.9	27.0	<0.2	<0.2	<0.2	4.1	10.7	0.2	<0.2	<0.2	15.6	1.5
	3	35.0	0.5	1.6	2.7	26.2	<0.2	<0.2	<0.2	3.7	10.0	0.2	<0.2	<0.2	17.9	2.3
	4	36.7	0.4	1.8	2.9	27.7	<0.2	<0.2	<0.2	4.0	11.2	<0.2	<0.2	<0.2	13.3	1.7
	5	30.4	0.4	1.6	2.7	24.6	<0.2	0.2	<0.2	3.4	10.2	<0.2	<0.2	<0.2	25.1	1.1
	6	32.9	0.4	1.7	2.5	25.5	<0.2	<0.2	<0.2	2.9	8.5	0.2	<0.2	0.2	20.7	4.4
	7	33.3	0.5	1.5	2.4	25.0	<0.2	<0.2	<0.2	3.1	8.6	0.2	<0.2	<0.2	21.0	4.5
	8	33.7	0.5	1.4	2.5	26.5	<0.2	<0.2	<0.2	3.3	7.9	0.2	<0.2	<0.2	20.1	3.9
9301904	1	40.3	0.5	1.8	3.2	29.0	<0.2	<0.2	<0.2	4.7	8.5	0.2	<0.2	<0.2	7.7	4.0
	2	34.2	0.5	1.7	2.8	25.8	<0.2	0.6	<0.2	3.0	6.8	<0.2	<0.2	<0.2	19.3	5.2
	3	37.4	0.6	1.8	3.1	27.6	<0.2	<0.2	<0.2	4.5	7.5	0.2	<0.2	<0.2	13.6	3.8
	4	36.9	0.4	1.9	3.1	29.1	<0.2	<0.2	<0.2	3.7	8.1	0.2	<0.2	<0.2	14.1	2.4
	5	34.2	0.4	1.8	3.0	27.0	<0.2	<0.2	<0.2	3.2	6.8	0.2	<0.2	<0.2	19.3	4.0
	6	27.9	0.5	1.6	2.7	24.9	<0.2	<0.2	<0.2	3.1	6.4	0.2	<0.2	0.2	29.1	3.5
	7	35.8	0.5	1.8	3.0	27.9	<0.2	<0.2	<0.2	3.5	7.2	0.2	<0.2	<0.2	16.0	4.2
	8	36.4	0.4	1.8	3.1	27.8	<0.2	<0.2	<0.2	3.5	7.5	0.3	<0.2	<0.2	16.3	2.9
	9	34.8	0.5	1.7	3.0	26.9	<0.2	<0.2	<0.2	3.3	7.1	0.2	<0.2	<0.2	17.4	5.2
WCA143A	1	23.8	0.4	1.8	3.0	16.3	0.2	<0.2	<0.2	2.6	9.4	0.2	<0.2	<0.2	38.6	3.9
	2	27.2	0.3	1.7	3.0	17.1	0.3	<0.2	<0.2	2.4	10.5	0.2	<0.2	<0.2	33.7	3.7
	3	30.1	0.4	2.3	2.7	16.8	0.4	<0.2	<0.2	2.7	10.3	0.2	<0.2	<0.2	27.4	6.5
	4	32.1	0.3	2.4	2.7	17.7	0.4	<0.2	<0.2	2.9	11.0	0.2	<0.2	<0.2	23.5	6.8
	5	26.1	0.4	1.5	3.1	16.6	<0.2	<0.2	<0.2	2.9	9.3	0.2	<0.2	<0.2	35.8	3.9
	6	25.6	0.4	1.7	3.1	16.6	0.3	<0.2	<0.2	2.9	9.2	0.2	<0.2	<0.2	35.8	4.2
	7	26.1	0.5	1.6	3.1	17.3	0.2	<0.2	<0.2	2.8	10.1	0.2	<0.2	<0.2	34.2	3.9
	8	23.4	0.4	1.6	3.0	16.3	<0.2	<0.2	<0.2	2.6	8.8	<0.2	<0.2	<0.2	40.1	3.6
	9	29.1	0.4	1.7	3.3	18.0	0.2	<0.2	<0.2	2.7	10.9	0.2	<0.2	<0.2	30.0	3.6
	10	24.1	0.4	1.6	2.7	15.4	0.3	<0.2	<0.2	2.6	8.5	0.2	<0.2	<0.2	40.1	4.1
WCA143B	1	26.6	0.5	1.7	3.1	17.4	<0.2	<0.2	<0.2	2.8	9.2	<0.2	<0.2	<0.2	34.7	3.8
	2	31.1	0.4	1.8	3.4	19.0	<0.2	<0.2	<0.2	3.1	10.2	0.2	<0.2	<0.2	26.5	4.3
	3	28.5	0.5	1.9	3.3	18.4	<0.2	<0.2	<0.2	3.0	9.7	0.2	<0.2	<0.2	30.5	4.1
	4	28.3	0.5	1.8	3.1	18.2	<0.2	<0.2	<0.2	3.1	10.4	0.2	<0.2	<0.2	29.5	4.6
	5	29.7	0.4	1.7	3.5	19.7	<0.2	<0.2	<0.2	3.6	10.9	0.2	<0.2	<0.2	25.6	4.5
	6	29.3	0.5	1.8	3.3	18.9	<0.2	<0.2	<0.2	3.3	9.9	0.2	<0.2	<0.2	28.8	3.9
	7	24.5	0.5	1.7	2.9	15.9	0.2	<0.2	<0.2	2.5	8.4	<0.2	<0.2	<0.2	39.8	3.6
WCA235	1	23.1	0.4	0.9	2.3	12.7	0.3	<0.2	<0.2	2.0	4.4	<0.2	<0.2	<0.2	49.3	4.9
	2	25.2	0.5	1.4	2.8	12.7	0.2	<0.2	<0.2	2.5	4.0	<0.2	<0.2	<0.2	42.7	8.0
	3	20.7	0.4	1.0	2.1	11.0	0.2	<0.2	<0.2	1.5	4.3	<0.2	<0.2	<0.2	51.7	6.9
	4	21.5	0.3	0.5	1.5	10.6	0.2	<0.2	<0.2	1.7	4.1	<0.2	<0.2	<0.2	57.0	2.6
	5	24.4	0.3	1.9	1.7	11.5	0.2	<0.2	<0.2	1.1	4.0	<0.2	<0.2	<0.2	45.2	9.7
	6	23.1	0.2	1.8	1.6	11.7	0.2	<0.2	<0.2	1.2	4.5	0.2	<0.2	<0.2	45.2	10.4
	7	25.5	0.3	0.6	1.9	11.6	0.4	<0.2	<0.2	1.8	4.6	0.2	<0.2	<0.2	49.0	4.2

Sample	No of the SI	O	Na	Mg	Al	Si	P	S	Cl	K	Ca	Ti	V	Cr	Fe	Mn
WCA73	1	36.6	0.7	2.4	5.2	23.6	<0.2	0.2	<0.2	3.7	10.5	0.4	<0.2	<0.2	9.3	7.4
	2	37.5	0.7	2.4	5.1	23.6	<0.2	<0.2	<0.2	3.7	10.5	0.3	<0.2	<0.2	8.4	7.8
	3	29.6	0.5	2.3	4.3	20.2	<0.2	<0.2	<0.2	2.9	8.9	0.4	<0.2	<0.2	24.2	6.5
	4	31.7	0.7	2.4	4.4	20.6	0.2	<0.2	<0.2	2.9	9.2	0.3	<0.2	<0.2	20.2	7.4
	5	33.5	0.7	2.2	4.3	21.0	<0.2	<0.2	<0.2	2.9	9.4	0.3	<0.2	<0.2	18.0	7.6
	6	31.2	0.7	2.3	4.9	20.3	<0.2	<0.2	<0.2	3.1	7.9	0.3	<0.2	<0.2	23.0	6.2
	7	31.8	0.7	2.1	5.0	20.3	<0.2	<0.2	<0.2	3.3	8.1	0.3	<0.2	<0.2	21.6	6.8
H35	1	21.3	<0.2	<0.2	2.7	6.0	0.5	<0.2	<0.2	0.2	0.5	0.2	<0.2	<0.2	68.4	<0.2
	2	19.2	<0.2	<0.2	1.2	4.7	0.4	<0.2	<0.2	0.2	0.2	0.2	<0.2	<0.2	73.6	0.2
	3	22.7	<0.2	<0.2	2.4	4.5	0.3	<0.2	<0.2	<0.2	0.3	<0.2	<0.2	<0.2	69.7	<0.2
	4	24.7	<0.2	<0.2	1.2	5.5	0.4	<0.2	<0.2	<0.2	0.3	<0.2	<0.2	<0.2	67.9	<0.2
	5	30.5	0.3	0.9	9.4	17.4	0.2	<0.2	<0.2	1.2	2.2	0.3	<0.2	<0.2	37.5	0.3
	6	23.7	<0.2	<0.2	1.1	3.6	0.2	0.3	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	70.7	<0.2
	7	19.5	<0.2	0.2	1.6	3.8	0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	74.2	0.2
LAM46491_1	1	25.2	0.5	1.8	3.0	12.6	0.3	<0.2	<0.2	2.6	2.7	<0.2	<0.2	<0.2	44.1	7.3
	2	32.3	0.7	4.2	5.9	22.8	<0.2	<0.2	<0.2	3.8	7.6	0.4	<0.2	<0.2	19.4	3.0
	3	29.4	0.4	1.5	3.7	15.9	<0.2	<0.2	<0.2	2.8	3.9	<0.2	<0.2	<0.2	32.9	9.4
	4	28.0	0.4	3.3	5.8	20.6	<0.2	<0.2	<0.2	3.9	6.8	0.3	<0.2	0.2	28.1	2.6
	5	36.2	0.6	4.5	3.0	28.5	<0.2	<0.2	<0.2	3.5	5.8	0.2	<0.2	<0.2	9.2	8.4
	6	20.7	0.2	1.3	1.5	5.5	<0.2	<0.2	<0.2	0.7	1.4	<0.2	<0.2	<0.2	62.6	5.8
	7	24.4	0.3	1.6	1.9	11.8	0.2	<0.2	<0.2	1.5	2.5	<0.2	<0.2	<0.2	49.0	6.7
	8	33.2	0.6	4.2	6.0	23.9	<0.2	<0.2	<0.2	4.1	8.3	0.4	<0.2	<0.2	15.4	3.7
	9	19.0	<0.2	4.4	0.3	0.7	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	67.8	7.4
	10	27.8	0.4	1.8	3.3	16.8	<0.2	<0.2	<0.2	2.2	4.1	0.2	<0.2	<0.2	34.4	8.8
	11	27.8	0.4	1.8	3.3	16.8	<0.2	<0.2	<0.2	2.2	4.1	0.2	<0.2	<0.2	34.4	8.8
LAM46491_2	1	36.4	0.6	2.3	5.2	27.3	<0.2	<0.2	<0.2	4.4	8.0	0.3	<0.2	<0.2	10.1	5.2
	2	37.6	0.8	2.8	6.1	27.8	<0.2	<0.2	<0.2	4.7	8.8	0.4	<0.2	<0.2	8.7	2.4
	3	36.1	0.8	3.0	5.6	25.8	<0.2	<0.2	<0.2	4.8	9.0	0.4	<0.2	<0.2	11.5	3.0
	4	26.0	0.6	1.5	4.6	20.8	<0.2	<0.2	<0.2	3.5	5.3	0.3	<0.2	<0.2	34.3	2.9
	5	30.3	0.6	2.2	4.3	21.9	<0.2	<0.2	<0.2	3.1	6.5	0.2	<0.2	<0.2	23.0	7.6
	6	26.8	0.6	3.3	5.4	22.2	<0.2	<0.2	<0.2	3.6	7.3	0.3	<0.2	<0.2	28.6	1.8
	7	23.1	0.5	2.7	5.0	20.2	<0.2	<0.2	<0.2	3.1	6.3	0.3	<0.2	<0.2	37.0	1.6
	8	35.6	0.6	2.4	4.8	26.9	<0.2	<0.2	<0.2	4.2	7.3	0.2	<0.2	<0.2	12.5	5.4
	9	37.1	0.6	2.2	5.1	28.1	<0.2	<0.2	<0.2	4.5	7.6	0.3	<0.2	<0.2	8.5	5.8
	10	38.2	0.6	2.3	5.0	28.3	<0.2	<0.2	<0.2	4.7	8.0	0.3	<0.2	<0.2	6.3	6.3
	11	40.1	0.7	2.5	5.4	28.6	<0.2	<0.2	<0.2	5.0	8.6	0.3	<0.2	<0.2	3.7	4.9

Sample	No of the SI	O	Na	Mg	Al	Si	P	S	Cl	K	Ca	Ti	V	Cr	Fe	Mn
LAM46492	1	29.4	1.0	1.7	5.3	24.3	<0.2	<0.2	<0.2	2.6	6.2	0.3	<0.2	<0.2	24.5	4.6
	2	24.4	0.7	0.6	2.9	12.3	0.5	<0.2	<0.2	1.5	2.9	<0.2	<0.2	<0.2	51.2	2.9
	3	24.7	0.4	0.7	2.1	12.8	0.4	<0.2	<0.2	0.8	2.3	<0.2	<0.2	<0.2	52.2	3.4
	4	22.8	0.4	0.9	1.8	10.9	0.3	<0.2	<0.2	0.9	1.9	<0.2	<0.2	<0.2	56.9	3.0
	5	25.5	0.3	0.9	2.0	12.4	0.5	<0.2	<0.2	0.9	2.2	<0.2	<0.2	<0.2	51.9	3.4
	6	26.7	0.7	0.7	3.1	13.5	0.5	<0.2	<0.2	1.5	3.1	<0.2	<0.2	<0.2	47.0	3.1
	7	26.4	0.5	0.8	2.7	12.7	0.4	<0.2	<0.2	1.2	2.8	<0.2	<0.2	<0.2	49.3	3.2
	8	25.3	0.4	0.8	1.8	11.9	0.4	<0.2	<0.2	0.8	2.1	<0.2	<0.2	<0.2	53.0	3.4
	9	25.9	0.7	0.6	2.9	13.1	0.5	<0.2	<0.2	1.5	3.1	<0.2	<0.2	<0.2	48.5	3.0
	10	22.9	0.4	0.7	1.9	11.1	0.3	<0.2	<0.2	0.8	2.0	<0.2	<0.2	<0.2	56.4	3.2
	11	26.9	0.5	0.8	2.5	13.2	0.4	<0.2	<0.2	1.2	2.7	<0.2	<0.2	<0.2	48.4	3.3
	12	27.8	0.7	0.8	2.9	14.2	0.4	<0.2	<0.2	1.3	3.1	<0.2	<0.2	<0.2	45.3	3.4
	13	26.8	0.6	1.3	3.0	17.0	<0.2	<0.2	<0.2	1.5	3.8	<0.2	<0.2	<0.2	36.3	9.2
	14	24.3	0.4	0.7	2.4	11.2	0.4	<0.2	<0.2	1.1	2.4	<0.2	<0.2	<0.2	53.9	3.1
	15	34.8	0.6	3.6	5.7	25.4	<0.2	<0.2	<0.2	4.2	8.2	0.4	<0.2	<0.2	12.1	4.8
	16	30.1	0.6	3.4	4.3	25.0	<0.2	<0.2	<0.2	3.0	5.9	0.3	<0.2	<0.2	22.4	5.0
	17	31.5	0.6	3.4	4.5	26.0	<0.2	<0.2	<0.2	3.2	6.3	0.3	<0.2	<0.2	18.8	5.2
	18	37.6	0.6	2.3	5.1	28.3	<0.2	<0.2	<0.2	4.5	7.6	0.3	<0.2	<0.2	7.8	5.7
G40-2	1	36.5	<0.2	1.6	5.3	26.9	<0.2	<0.2	<0.2	2.6	4.6	0.3	<0.2	<0.2	13.9	8.0
	2	37.9	0.2	1.7	5.4	27.9	<0.2	<0.2	<0.2	2.7	4.7	0.4	<0.2	<0.2	10.6	8.4
	3	36.6	0.2	1.7	5.3	27.5	<0.2	<0.2	<0.2	2.7	4.7	0.3	<0.2	<0.2	12.5	8.3
	4	36.1	0.2	1.6	5.3	26.5	<0.2	<0.2	<0.2	2.5	4.7	0.4	<0.2	<0.2	14.0	8.4
	5	35.3	0.2	1.7	5.4	26.2	<0.2	<0.2	<0.2	2.5	4.6	0.3	<0.2	<0.2	15.7	8.0
	6	37.7	0.3	1.6	5.5	27.4	<0.2	<0.2	<0.2	2.8	4.9	0.3	<0.2	<0.2	11.0	8.4
	7	35.9	0.2	1.7	5.4	26.7	<0.2	<0.2	<0.2	2.7	4.6	0.4	<0.2	<0.2	14.1	8.2
	8	29.9	0.2	1.6	5.3	24.0	0.2	<0.2	<0.2	2.3	4.3	0.4	<0.2	<0.2	24.2	7.5
	9	35.0	0.2	1.6	5.1	26.8	<0.2	<0.2	<0.2	2.4	4.6	0.3	<0.2	<0.2	16.1	7.9
	10	31.2	0.2	1.2	4.6	18.4	0.6	<0.2	<0.2	2.3	3.7	0.2	<0.2	<0.2	30.2	7.3
	11	35.0	0.2	1.7	5.0	27.2	<0.2	<0.2	<0.2	2.3	4.6	0.3	<0.2	<0.2	15.5	8.1
	12	28.2	0.5	1.0	3.0	14.6	1.0	0.2	<0.2	1.5	3.0	<0.2	<0.2	<0.2	45.0	1.9
	13	34.9	0.2	1.5	5.2	27.7	<0.2	<0.2	<0.2	2.3	4.6	0.3	<0.2	<0.2	15.4	7.7
	14	27.0	<0.2	1.1	3.4	14.6	1.1	<0.2	<0.2	1.5	2.7	0.2	<0.2	<0.2	41.2	7.1
G40-3	1	36.3	<0.2	1.6	5.2	27.5	<0.2	<0.2	<0.2	2.6	7.3	0.4	<0.2	0.2	15.5	3.3
	2	36.0	<0.2	2.2	6.0	27.5	<0.2	<0.2	<0.2	3.3	8.2	0.4	<0.2	<0.2	14.2	2.0
	3	30.7	<0.2	2.0	4.9	22.7	<0.2	<0.2	<0.2	2.9	7.4	0.3	<0.2	<0.2	26.9	2.2
	4	25.3	<0.2	1.6	4.3	20.3	0.2	<0.2	<0.2	2.2	5.6	0.4	<0.2	<0.2	37.7	2.4
	5	36.7	<0.2	2.4	5.3	26.6	<0.2	<0.2	<0.2	2.8	7.6	0.5	<0.2	<0.2	15.1	3.0
	6	36.9	<0.2	1.9	5.2	27.3	<0.2	<0.2	<0.2	2.6	7.3	0.4	<0.2	<0.2	15.3	3.1
	7	18.6	<0.2	1.1	2.6	13.2	0.4	<0.2	<0.2	1.0	4.0	0.2	<0.2	<0.2	56.3	2.5
	8	26.0	<0.2	1.5	3.4	16.9	0.5	<0.2	<0.2	1.3	5.2	0.3	<0.2	<0.2	41.4	3.4
	9	26.1	<0.2	1.4	3.4	16.9	0.4	<0.2	<0.2	1.3	4.9	0.3	<0.2	<0.2	42.1	3.2

Sample	No of the SI	O	Na	Mg	Al	Si	P	S	Cl	K	Ca	Ti	V	Cr	Fe	Mn
34820 434 1	1	32.0	0.3	1.4	6.1	11.5	4.9	0.2	<0.2	1.5	9.4	0.4	<0.2	<0.2	31.4	0.9
	2	31.9	0.2	1.5	6.3	11.5	4.6	<0.2	<0.2	1.7	9.2	0.4	<0.2	<0.2	31.7	0.7
	3	30.8	0.2	1.2	6.8	11.8	4.5	0.2	<0.2	1.7	9.1	0.3	<0.2	<0.2	32.6	0.8
	4	28.9	<0.2	0.7	4.5	10.7	3.7	<0.2	<0.2	0.7	9.7	0.3	<0.2	<0.2	40.2	0.2
	5	26.3	0.2	0.4	2.8	6.5	5.7	0.4	<0.2	1.0	3.9	<0.2	<0.2	<0.2	52.4	0.3
	6	30.7	<0.2	0.6	4.8	8.9	4.1	<0.2	<0.2	0.6	7.9	0.3	0.2	<0.2	40.9	0.2
	7	19.9	<0.2	0.5	1.1	3.0	0.6	<0.2	<0.2	0.3	1.5	<0.2	<0.2	<0.2	72.7	0.2
	8	20.6	<0.2	0.6	1.4	4.2	0.7	<0.2	<0.2	0.4	2.4	<0.2	<0.2	<0.2	69.2	<0.2
	9	22.0	<0.2	0.5	1.5	4.9	0.9	<0.2	<0.2	0.5	2.3	<0.2	<0.2	<0.2	66.2	0.2
	10	31.8	<0.2	1.1	4.7	11.3	1.3	<0.2	<0.2	0.7	13.7	0.3	<0.2	<0.2	34.6	0.3
	11	23.3	0.2	0.4	2.9	6.5	2.6	0.2	<0.2	<0.2	3.8	0.2	<0.2	<0.2	59.5	<0.2
	12	32.9	0.2	1.6	9.1	13.3	4.2	<0.2	<0.2	1.8	11.5	0.5	0.2	<0.2	23.9	0.8
	13	30.6	<0.2	2.1	6.0	11.9	2.0	<0.2	<0.2	1.0	11.9	0.3	<0.2	<0.2	33.3	0.6
	14	31.8	<0.2	2.0	6.2	12.6	2.1	<0.2	<0.2	1.1	12.6	0.3	0.2	<0.2	30.2	0.8
	15	22.2	<0.2	1.0	2.2	5.0	0.8	<0.2	<0.2	0.5	3.3	<0.2	<0.2	<0.2	64.0	0.3
	16	24.5	0.3	1.0	3.2	7.4	1.3	0.3	<0.2	0.8	5.3	<0.2	<0.2	<0.2	55.4	0.4
	17	22.6	0.2	1.0	2.3	5.6	0.8	0.2	<0.2	0.5	3.6	<0.2	<0.2	<0.2	62.7	0.2
	18	35.8	0.2	1.2	6.5	11.3	3.8	<0.2	<0.2	1.6	9.1	0.5	<0.2	<0.2	29.1	0.8
348 214 425	1	21.2	0.2	0.7	3.9	7.8	4.4	0.3	<0.2	0.9	5.9	0.2	<0.2	<0.2	54.0	0.4
	2	19.3	0.3	0.9	5.0	7.5	3.4	0.2	<0.2	1.5	4.6	0.3	<0.2	<0.2	55.9	0.9
	3	21.6	<0.2	1.2	6.7	6.8	3.9	0.2	<0.2	1.1	5.5	0.2	0.5	0.3	50.8	1.1
	4	23.1	0.2	0.8	4.3	7.3	4.7	0.2	<0.2	0.7	5.7	0.3	<0.2	<0.2	52.2	0.4
	5	23.6	0.3	0.7	3.5	8.8	3.9	0.3	<0.2	1.0	4.9	<0.2	<0.2	<0.2	52.4	0.3
	6	18.8	<0.2	0.2	0.5	2.0	5.9	0.7	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	71.5	0.2
	7	36.8	0.2	1.1	5.0	10.2	8.2	0.2	<0.2	1.0	9.5	0.3	<0.2	<0.2	26.6	0.8
WCA245	1	22.8	0.4	2.7	4.8	18.2	<0.2	<0.2	<0.2	2.2	9.4	0.2	<0.2	<0.2	36.5	2.9
	2	17.7	0.4	2.3	4.1	15.4	<0.2	<0.2	<0.2	1.9	7.6	0.3	<0.2	<0.2	47.9	2.3
	3	13.5	0.6	0.8	2.0	6.7	0.9	<0.2	<0.2	0.8	2.5	<0.2	<0.2	<0.2	69.6	2.5
	4	25.4	0.5	2.8	5.0	18.9	<0.2	0.2	<0.2	2.4	9.6	0.3	<0.2	<0.2	32.3	2.7
	5	17.8	0.4	2.4	3.9	14.2	<0.2	<0.2	<0.2	1.6	6.3	0.2	<0.2	<0.2	51.1	2.0
	6	15.9	0.4	2.3	3.9	13.7	<0.2	<0.2	<0.2	1.5	6.1	0.2	<0.2	<0.2	54.2	1.9
	7	14.9	0.3	1.9	3.4	11.9	<0.2	<0.2	<0.2	1.2	5.0	0.2	<0.2	<0.2	59.4	1.5
	8	11.9	0.4	1.8	2.7	7.7	<0.2	<0.2	<0.2	0.9	2.4	<0.2	<0.2	<0.2	71.4	0.8

Results on the trace element composition of SI originating from armour. All values are in µg.g^{-1}, LOQ: quantification limit (10 × SD)

Sample	No of the SI	Y	Nb	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Yb	Hf	Ta	Th	U
9301892	1	7.9	7.3	< LOQ	951	11	20	2.0	8.7	1.7	0.6	1.3	0.7	1.1	0.3	3.0	1.1
9301892	2	9.5	0.4	0.9	1199	13	24	2.6	9.9	2.1	0.7	1.8	0.9	1.1	0.3	3.7	1.2
9301892	3	9.0	1.4	< LOQ	976	12	21	2.2	9.7	1.9	0.6	1.4	0.8	1.3	0.3	3.6	1.1
9301892	4	9.7	0.8	0.8	1300	13	23	2.5	10	2.1	0.7	2.0	0.9	1.3	0.4	3.7	1.3
9301892	5	10	0.9	< LOQ	1095	13	25	2.4	10	1.9	0.6	2.0	1.1	1.1	0.4	3.5	1.2
9301892	6	8.6	7.1	< LOQ	1168	11	21	2.3	8.6	1.7	0.7	1.7	0.8	1.1	0.4	3.4	1.1
9301892	7	8.2	7.0	< LOQ	1011	11	20	2.2	8.8	1.6	0.6	1.9	0.7	1.2	0.4	3.3	1.1
9301892	8	8.4	6.3	< LOQ	1290	11	21	2.2	9.2	1.9	0.8	1.8	0.7	1.1	0.4	3.1	1.1
9301904	1	12	4.2	1.2	2874	16	30	3.3	13	2.6	1.1	2.6	1.2	2.2	0.4	5.1	1.6
9301904	2	10	4.6	0.8	2456	14	25	2.8	11	2.4	1.0	2.0	1.0	1.9	0.3	4.1	1.4
9301904	3	9.6	3.4	< LOQ	3074	11	23	2.5	8.7	2.5	0.7	1.6	0.7	1.8	0.4	4.6	1.5
9301904	4	11	1.2	< LOQ	2850	14	27	2.7	12	2.4	1.1	2.6	0.9	2.0	0.3	4.4	1.5
9301904	5	11	3.2	0.8	2598	14	27	3.0	12	2.4	0.9	2.8	1.1	2.1	0.4	4.6	1.4
9301904	6	9.4	3.1	< LOQ	2211	12	23	2.4	10	2.0	0.9	2.4	0.8	1.9	0.3	4.1	1.3
9301904	7	11	3.3	< LOQ	2728	16	28	3.4	12	2.5	1.0	2.9	1.2	2.2	0.4	4.5	1.6
9301904	8	11	1.8	< LOQ	2532	15	27	3.0	11	2.4	0.8	2.8	1.1	2.1	0.3	4.4	1.5
9301904	9	10.0	4.2	0.8	2479	13	24	2.7	10	2.1	0.9	2.3	0.9	1.9	0.3	3.9	1.4
WCA143A	1	9.9	6.6	1.2	668	13	24	2.4	10	3.4	0.1	1.6	1.3	1.6	0.2	3.3	1.1
WCA143A	2	10	6.7	1.7	707	12	20	2.4	9.3	1.8	0.3	1.6	0.5	1.4	0.4	2.8	1.0
WCA143A	3	11	6.3	1.6	704	12	21	2.5	11	2.1	0.5	2.6	1.5	1.5	0.3	3.8	1.2
WCA143A	4	12	6.1	1.9	718	11	20	2.7	11	2.3	0.6	2.6	1.1	1.7	0.3	3.6	1.2
WCA143A	5	11	7.3	0.6	921	12	21	2.5	12	2.3	0.5	2.9	1.3	1.9	0.4	3.5	1.1
WCA143A	6	12	8.1	0.5	1003	14	26	3.3	12	2.7	0.7	3.4	1.6	2.1	0.4	4.2	1.6
WCA143A	7	4.5	7.3	< LOQ	461	6.5	15	0.7	15	2.4	< LOQ	< LOQ	0.8	0.2	0.2	1.3	0.5
WCA143A	8	10	8.4	1.7	867	15	27	3.3	11	2.1	0.3	2.1	1.5	1.9	0.5	3.6	1.6
WCA143A	9	13	9.8	0.2	985	16	31	3.5	12	2.7	0.4	3.8	0.8	1.5	0.2	3.2	0.9
WCA143A	10	8.8	6.0	1.5	721	11	19	2.4	9.1	2.0	0.5	1.8	1.1	1.2	0.2	3.3	1.3
WCA143B	1	10	6.4	0.7	870	15	28	2.9	12	3.4	0.8	2.3	0.6	2.2	0.3	4.1	1.6
WCA143B	2	11	7.0	1.1	828	14	25	2.7	12	2.3	0.6	2.3	1.2	1.6	0.3	3.8	1.4
WCA143B	3	11	7.1	1.4	885	11	23	3.1	12	1.6	0.3	3.5	0.6	1.8	0.3	2.8	1.2
WCA143B	4	11	7.0	1.0	856	12	21	2.5	11	2.1	0.4	2.5	1.2	1.5	0.3	3.3	1.2
WCA143B	5	12	7.3	2.4	857	15	27	3.1	11	2.7	0.4	1.5	1.3	1.5	0.3	4.4	1.6
WCA143B	6	11	6.9	2.9	806	13	24	2.7	11	2.0	0.5	1.9	0.9	1.4	0.4	4.0	1.5
WCA143B	7	8.6	3.8	0.9	615	10	17	2.0	6.7	0.2	0.7	1.9	1.2	0.4	0.2	2.0	0.8
WCA235	1	6.8	5.6	0.8	1616	7.0	12	1.6	7.3	1.5	0.3	1.7	0.7	1.1	0.2	2.4	0.9
WCA235	2	6.8	5.4	0.4	1459	6.5	11	1.4	6.3	1.6	0.3	2.2	0.8	1.4	0.3	1.8	1.0
WCA235	3	4.8	4.0	0.4	1103	5.4	9.6	1.2	5.1	1.4	0.2	0.2	0.1	0.7	0.4	1.3	0.8
WCA235	4	4.4	2.3	0.5	651	4.1	7.3	0.8	3.5	0.8	0.3	0.7	0.3	0.3	0.1	1.0	0.4
WCA235	5	6.8	4.7	2.7	1134	6.7	12	1.4	7.1	0.7	0.4	2.0	0.2	0.6	0.3	1.7	0.7
WCA235	6	6.4	5.2	0.6	1309	7.3	13	1.5	6.0	0.7	0.3	1.3	0.5	1.3	0.2	2.3	0.9
WCA235	7	5.3	4.5	< LOQ	1217	6.6	12	1.3	5.7	0.9	0.3	1.0	0.4	0.4	0.2	1.9	0.9
WCA73	1	51	9.8	4.5	11247	63	124	14.5	60	13	3.3	14	5.9	11	2.1	19	7.1

Sample	No of the SI	Y	Nb	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Yb	Hf	Ta	Th	U
WCA73	2	20	4.3	1.9	4395	26	50	5.8	24	5.0	1.4	5.3	2.3	4.4	0.9	7.7	3.0
WCA73	3	32	3.7	4.7	7707	40	78	10.5	40	6.0	1.8	6.4	5.1	5.5	1.2	11	4.7
WCA73	4	15	4.4	1.2	2673	20	38	4.2	17	3.3	0.7	2.9	1.4	2.9	0.5	5.9	2.0
WCA73	5	14	3.8	1.2	2389	16	31	3.7	15	2.8	0.6	2.6	1.4	2.6	0.5	5.0	1.7
WCA73	6	17	4.7	1.4	2946	21	40	3.9	17	4.1	0.8	3.4	1.5	3.4	0.3	5.3	2.2
WCA73	7	16	6.0	0.6	3125	20	38	4.9	16	3.4	0.5	1.4	1.5	2.1	0.4	5.5	1.9
H35	1	33	8.4	< LOQ	332	40	65	7.9	33	7.9	1.6	8.0	2.4	2.2	0.5	9.1	3.3
H35	2	13	2.8	0.5	191	19	36	3.7	19	3.7	1.0	4.2	1.4	0.5	0.2	5.5	1.7
H35	3	20	13	< LOQ	136	29	43	4.9	19	4.3	0.9	5.3	1.4	3.0	0.8	8.5	4.0
H35	4	12	3.6	< LOQ	72	16	29	3.8	16	3.4	0.9	3.4	1.0	1.1	0.3	5.0	1.2
H35	5	38	11	1.4	427	41	80	9.9	42	10	1.9	11	3.0	4.0	0.9	13	5.6
H35	6	9.3	5.3	< LOQ	39	12	30	3.4	14	3.1	0.7	2.7	0.8	1.3	0.4	3.7	1.4
H35	7	11	11	0.3	241	26	49	5.9	24	4.9	0.9	4.8	1.3	2.7	0.5	3.7	2.1
LAM46491_1	1	6.4	6.5	< LOQ	600	7.0	14	1.5	6.3	1.6	< LOQ	< LOQ	0.8	1.8	< LOQ	2.4	1.1
LAM46491_1	2	20	2.1	< LOQ	2345	26	53	6.0	25	5.8	< LOQ	5.7	2.3	4.8	0.5	8.2	3.5
LAM46491_1	3	11	8.5	< LOQ	1076	11	22	2.8	10	2.3	0.6	2.3	1.4	1.8	0.4	3.8	1.5
LAM46491_1	4	18	< LOQ	< LOQ	2130	23	46	5.1	19	4.8	< LOQ	< LOQ	1.9	3.6	< LOQ	7.7	3.2
LAM46491_1	5	17	3.9	< LOQ	1490	14	28	3.5	12	2.8	0.9	< LOQ	1.7	2.5	0.5	4.4	1.7
LAM46491_1	6	3.3	2.3	< LOQ	382	3.9	7.5	0.9	4.0	0.7	< LOQ	< LOQ	< LOQ	0.6	0.1	1.3	0.4
LAM46491_1	7	6.6	3.8	< LOQ	742	7.1	14	1.6	5.8	1.4	< LOQ	< LOQ	< LOQ	1.1	0.2	2.3	0.9
LAM46491_1	8	21	2.2	< LOQ	2487	28	56	6.4	26	5.3	1.6	< LOQ	1.9	4.7	< LOQ	8.6	3.5
LAM46491_1	9	0.5	1.2	< LOQ	12	< LOQ	0.3	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	1.0	< LOQ	0.2	0.2
LAM46491_1	10	11	9.3	< LOQ	1184	13	25	3.0	11	2.6	0.6	< LOQ	1.1	2.1	0.4	4.4	1.5
LAM46491_1	11	11	9.0	< LOQ	1137	12	24	2.9	10	2.3	0.7	2.6	0.9	2.1	0.4	4.4	1.5
LAM46491_2	1	18	6.1	< LOQ	2242	25	52	6.3	25	4.9	< LOQ	< LOQ	< LOQ	3.3	1.0	8.9	3.3
LAM46491_2	2	20	2.2	< LOQ	2472	27	54	6.2	24	4.9	1.3	5.5	2.2	4.8	0.7	9.3	3.5
LAM46491_2	3	20	3.4	< LOQ	2542	25	52	6.0	23	5.4	1.4	< LOQ	2.2	4.3	0.8	9.2	3.3
LAM46491_2	4	13	< LOQ	< LOQ	1421	16	33	4.0	14	2.6	< LOQ	< LOQ	< LOQ	2.9	< LOQ	4.6	2.6
LAM46491_2	5	14	12	< LOQ	1779	19	39	4.4	18	3.3	0.8	< LOQ	1.3	2.8	0.7	6.5	2.4
LAM46491_2	6	18	2.5	3.1	2093	21	44	4.9	20	3.9	1.2	3.0	1.7	3.4	0.5	7.5	2.8
LAM46491_2	7	18	2.1	< LOQ	2067	23	44	5.2	20	4.3	1.2	< LOQ	1.9	3.1	0.7	7.1	2.6
LAM46491_2	8	18	7.1	5.1	2015	22	45	5.0	21	5.0	1.0	< LOQ	1.8	3.6	0.8	7.9	2.8
LAM46491_2	9	19	7.7	5.6	2146	25	48	5.7	22	4.7	1.3	< LOQ	2.3	4.1	0.8	8.4	3.2
LAM46491_2	10	19	8.0	5.8	2183	23	48	5.6	22	4.2	1.0	< LOQ	1.6	3.5	0.7	8.2	2.9
LAM46491_2	11	19	5.7	5.4	2245	25	49	5.9	22	4.8	1.3	< LOQ	1.8	4.1	0.8	8.5	3.1
LAM46492	1	15	6.0	3.7	995	24	46	5.0	19	3.8	1.0	3.8	1.6	2.7	0.7	8.0	2.4
LAM46492	2	5.4	4.2	2.0	337	8.5	17	1.8	7.0	1.1	< LOQ	< LOQ	< LOQ	0.9	0.3	2.8	0.8
LAM46492	3	7.3	7.1	< LOQ	1762	16	31	3.5	11	2.7	< LOQ	< LOQ	0.6	1.2	< LOQ	4.7	1.3
LAM46492	4	4.1	2.8	< LOQ	241	5.8	12	1.3	5.2	< LOQ	< LOQ	< LOQ	< LOQ	0.8	< LOQ	1.9	0.6
LAM46492	5	7.4	6.1	< LOQ	448	15	28	3.3	11	2.0	< LOQ	< LOQ	0.9	1.2	0.4	4.2	1.2
LAM46492	6	7.2	5.2	2.6	425	12	22	2.5	8.9	2.0	0.3	< LOQ	0.9	1.4	0.3	3.7	1.2
LAM46492	7	6.5	4.9	2.1	352	12	22	2.4	9.7	1.7	< LOQ	< LOQ	0.7	1.2	0.3	3.3	1.0
LAM46492	8	5.2	3.1	< LOQ	214	6.7	13	1.5	5.4	1.0	< LOQ	< LOQ	< LOQ	0.8	0.2	1.9	0.6
LAM46492	9	5.8	2.9	< LOQ	276	6.5	13	1.6	5.3	< LOQ	< LOQ	< LOQ	1.1	1.0	0.2	2.3	0.7
LAM46492	10	3.3	1.8	< LOQ	135	3.6	7.1	0.8	2.2	< LOQ	< LOQ	< LOQ	0.6	< LOQ	< LOQ	1.0	0.4

Sample	No of the SI	Y	Nb	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Yb	Hf	Ta	Th	U
LAM46492	11	6.8	4.8	1.7	338	9.0	18	2.1	7.3	1.8	0.3	< LOQ	0.9	1.4	0.2	3.2	0.9
LAM46492	12	7.9	5.2	< LOQ	366	11	20	2.3	8.9	1.9	0.3	< LOQ	0.7	1.2	0.3	3.6	1.0
LAM46492	13	8.6	7.4	1.7	607	11	21	2.4	9.2	1.9	0.4	< LOQ	1.0	1.6	0.4	3.8	1.1
LAM46492	14	4.6	2.5	< LOQ	192	5.7	11	1.2	4.8	0.8	< LOQ	< LOQ	0.5	0.8	< LOQ	1.8	0.5
LAM46492	15	18	2.7	< LOQ	2299	23	49	5.5	21	4.5	< LOQ	< LOQ	< LOQ	4.2	0.7	7.7	3.2
LAM46492	16	16	2.1	< LOQ	2000	20	40	4.9	18	4.6	1.1	3.4	1.5	3.6	0.8	7.0	2.5
LAM46492	17	19	2.3	< LOQ	2164	21	45	5.3	20	4.1	1.3	4.3	1.9	3.6	1.0	7.2	2.6
LAM46492	18	20	8.2	5.9	2193	26	51	6.1	23	4.4	1.0	4.2	1.9	4.0	0.7	8.6	2.9
G40-2	1	38	8.6	5.1	349	36	69	8.4	35	8.1	2.9	8.2	3.9	2.9	0.7	11	3.6
G40-2	2	40	9.1	5.4	375	39	73	9.0	37	8.4	3.0	8.3	3.9	2.9	0.7	11	3.9
G40-2	3	38	8.6	5.3	363	37	69	8.4	35	8.3	2.8	7.9	3.7	2.9	0.8	11	3.7
G40-2	4	40	8.9	4.8	356	39	73	8.9	37	8.3	2.8	7.9	3.7	2.5	0.7	11	3.7
G40-2	5	40	8.2	5.0	351	39	72	8.6	36	7.7	2.7	8.0	3.8	2.2	0.6	11	3.5
G40-2	6	42	9.6	5.3	378	42	76	9.5	37	9.0	3.1	8.2	4.2	2.8	0.7	12	3.9
G40-2	7	40	9.0	5.4	362	40	73	8.8	37	8.6	2.7	8.0	4.1	2.7	0.8	11	3.9
G40-2	8	40	8.4	4.8	344	39	70	8.8	35	8.1	2.6	7.9	3.7	2.7	0.7	11	3.9
G40-2	9	42	9.1	4.8	360	40	74	8.8	37	8.1	2.8	8.1	3.7	2.5	0.7	11	3.8
G40-2	10	34	9.1	4.7	303	32	58	7.3	31	6.8	2.3	7.5	3.3	2.4	0.7	9.2	3.0
G40-2	11	40	8.6	4.7	357	38	72	8.3	33	8.4	3.1	7.6	3.9	2.7	0.7	11	3.7
G40-2	12	13	4.8	< LOQ	381	14	27	3.1	14	3.0	0.9	2.8	1.4	1.3	0.3	3.8	1.1
G40-2	13	43	9.2	4.9	374	42	77	9.7	39	8.9	2.9	8.0	4.1	3.0	0.7	12	4.0
G40-2	14	31	7.5	2.7	218	28	51	6.3	27	5.8	2.2	4.9	2.6	1.7	0.5	8.3	2.9
G40-3	1	99	10	3.7	897	40	70	11	55	14	3.8	15	7.1	4.6	0.6	10	3.1
G40-3	2	179	7.0	4.1	1214	61	98	17	89	22	6.7	28	13	5.3	0.8	13	4.8
G40-3	3	171	6.4	< LOQ	1065	52	90	14	84	19	5.0	33	11	4.6	< LOQ	12	4.7
G40-3	4	85	6.4	< LOQ	727	34	56	8.8	45	12	2.7	13	6.4	4.2	0.5	8.4	2.2
G40-3	5	114	8.4	3.1	954	46	77	12	58	14	3.5	18	7.8	4.9	0.7	12	3.1
G40-3	6	104	8.8	< LOQ	893	44	77	12	63	13	4.2	14	8.0	3.2	1.1	10	3.3
G40-3	7	87	5.8	< LOQ	519	28	43	7.4	37	9.8	3.3	14	5.7	2.4	< LOQ	6.0	2.2
G40-3	8	106	7.4	< LOQ	652	34	51	9.1	49	14	4.0	16	7.2	2.2	< LOQ	7.1	2.2
G40-3	9	102	6.9	< LOQ	637	34	53	9.8	48	13	3.6	13	6.9	2.6	0.4	6.9	2.7
34820 434 1	1	145	19	< LOQ	200	95	232	28	120	32	7.3	30	16	7.1	0.7	52	5.1
34820 434 1	2	136	19	< LOQ	221	93	225	28	112	29	6.9	26	15	5.0	0.7	49	5.1
34820 434 1	3	157	19	< LOQ	223	101	242	30	122	30	7.4	32	18	7.1	0.8	54	5.4
34820 434 1	4	124	15	< LOQ	560	74	181	22	99	25	5.4	25	13	5.1	0.5	37	3.6
34820 434 1	5	61	6.5	1.2	142	39	94	11	49	12	2.8	12	6.5	2.2	0.3	20	2.1
34820 434 1	6	95	12	< LOQ	530	60	145	18	78	18	4.5	18	9.8	4.2	0.4	27	2.7
34820 434 1	7	6.2	1.1	< LOQ	21	3.8	9.2	1.1	4.3	1.2	0.3	< LOQ	0.7	0.5	< LOQ	1.9	0.2
34820 434 1	8	14	2.1	< LOQ	50	8.5	20	2.2	9.4	2.1	0.5	2.4	1.5	0.8	0.1	3.9	0.5
34820 434 1	9	18	3.2	< LOQ	72	12	28	3.3	14	3.0	0.8	3.8	1.8	1.4	0.2	5.8	0.8
34820 434 1	10	66	7.3	< LOQ	98	36	86	10	44	11	2.7	11	6.8	2.9	0.3	19	2.2
34820 434 1	11	46	5.5	< LOQ	178	28	67	8.2	33	9.2	1.8	8.7	5.1	1.6	0.2	15	1.4
34820 434 1	12	175	22	< LOQ	268	123	289	36	143	39	8.9	38	19	8.4	0.7	65	6.6
34820 434 1	13	85	11	< LOQ	94	47	119	14	60	15	3.7	16	9.0	3.7	0.4	27	3.1
34820 434 1	14	95	13	< LOQ	112	53	135	16	65	16	4.1	18	10	4.5	0.5	29	3.3

Sample	No of the SI	Y	Nb	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Yb	Hf	Ta	Th	U
34820 434 1	15	27	3.9	< LOQ	65	16	37	4.3	18	4.6	1.1	5.0	2.6	1.4	0.2	8.0	0.9
34820 434 1	16	40	5.5	< LOQ	89	23	55	6.2	28	6.8	1.6	7.1	4.4	1.9	0.3	13	1.6
34820 434 1	17	28	4.0	< LOQ	63	16	39	4.7	19	5.1	1.0	5.4	3.0	1.5	0.2	9.0	1.1
34820 434 1	18	147	19	< LOQ	203	93	224	27	111	28	7.0	31	16	6.7	0.7	51	5.2
348 214 425	1	60	8.2	< LOQ	178	33	88	10	43	12	2.7	12	7.2	3.3	0.4	22	2.7
348 214 425	2	105	20	< LOQ	219	51	142	17	76	20	5.1	21	12	5.0	0.6	50	4.1
348 214 425	3	72	15	< LOQ	165	38	108	12	55	14	3.5	15	8.6	3.5	0.4	33	3.1
348 214 425	4	57	7.6	< LOQ	157	33	88	10	44	13	2.6	11	6.7	3.5	0.3	21	2.1
348 214 425	5	53	7.3	< LOQ	198	31	83	9.8	43	11	2.4	11	6.1	3.5	0.4	19	2.2
348 214 425	6	6.2	1.2	< LOQ	17	3.3	8.7	1.0	4.0	1.2	< LOQ	< LOQ	0.9	0.5	< LOQ	2.1	0.2
348 214 425	7	80	12	< LOQ	258	46	122	14	61	16	3.6	16.7	9.7	4.5	0.5	29	2.8
WCA245	1	< LOQ	103	< LOQ	1323	< LOQ	73	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
WCA245	2	35	3.2	1.4	1029	29	51	6.7	28	6.9	2.7	7.2	3.8	3.5	0.6	8.3	2.3
WCA245	3	17	4.8	< LOQ	281	12	18	2.6	7.4	6.3	1.2	2.9	< LOQ	< LOQ	< LOQ	3.7	0.6
WCA245	4	47	3.2	1.1	1168	32	57	6.4	28	8.0	2.5	8.4	4.5	4.9	< LOQ	9.4	1.9
WCA245	5	35	1.8	< LOQ	1083	29	46	5.9	25	6.4	2.2	7.2	< LOQ	2.8	0.6	7.7	5.2
WCA245	6	35	2.6	< LOQ	1117	35	91	7.9	46	7.7	3.1	8.4	5.7	4.1	< LOQ	8.9	2.0
WCA245	7	33	3.9	< LOQ	867	22	44	5.6	24	5.6	2.3	7.0	4.5	3.7	< LOQ	7.5	1.5
WCA245	8	23	1.9	2.2	456	19	33	4.4	15	< LOQ	1.7	4.4	2.8	1.9	< LOQ	6.4	1.3

Results on the trace element composition of ores and slags from the Lombard area. All values are in µg.g^{-1}, (*) value corresponding to half detection limit

No of the sample	Origin	Type	Y	Nb	Cs	Ba	La	Ce	Nd	Sm	Eu	Yb	Hf	Th	U
CARISOLE	Carisole	ore	0.8	0.3	0.025*	116	0.3	0.6	0.5	0.2	0.4	0.4	0.5	0.5	0.7
GAF1M2	Gaffione	ore	5.4	2.4	0.9	123	1.7	4.0	0.05*	1.2	0.3	0.5	0.05*	3.7	0.1*
GAF1M3	Gaffione	ore	5.1	0.05*	0.6	108	1.9	3.8	10.0	0.9	0.4	0.2	0.2	0.5	1.5
GAF1M1	Gaffione	ore	3.8	0.1	0.5	104	0.6	1.6	1.4	0.8	0.4	0.3	0.05*	0.5	1.8
GAF2M1	Gaffione	ore	7.1	4.8	2.8	23489	9.7	20	10.0	3.3	7.8	1.2	1.6	6.6	2.6
Lago Dinferno	Lago d'Inferno	ore	14	0.7	1.7	6130	2.7	6.6	6.0	4.0	1.1	1.8	0.5	1.0	0.2
SanMM2	San Marco	ore	9.1	0.05*	0.2	192	0.6	1.6	0.05*	1.1	0.5	0.6	0.05*	0.1*	0.2
SanMM4	San Marco	ore	9.7	0.05*	0.2	97	0.6	1.5	0.05*	2.0	0.7	1.1	0.05*	0.1*	0.1*
SanMM1	San Marco	ore	5.9	5.0	1.1	194	0.2	1.2	1.4	0.5	0.2	0.2	0.05*	0.1*	0.1*
SanMM5	San Marco	ore	10	0.3	0.025*	7132	1.8	4.2	4.4	2.6	3.0	1.7	0.8	0.7	0.7
SCH min HabM1	Schilpario	ore	7.9	0.9	4.0	9540	6.9	14	7.3	2.4	1.1	0.6	1.5	1.5	1.3
SCH MINES M2	Schilpario	ore	2.9	0.4	1.9	10000	4.4	9.4	4.8	1.3	0.8	0.5	0.05*	0.9	1.4
SCH021	Schilpario	slag	22	3.1	3.6	1546	9.0	25	16	6.7	3.2	2.0	1.3	3.9	2.4
SCH022	Schilpario	slag	34	4.6	5.9	1643	14	34	24	9.4	5.7	3.0	2.5	6.5	5.8
SCH031	Schilpario	slag	20	3.2	3.8	2476	8.1	20	11	6.3	3.2	1.9	1.4	2.3	3.1
SCH032	Schilpario	slag	29	4.7	5.5	1773	15	32	21	8.3	4.4	2.6	2.7	5.6	4.9
SCH041	Schilpario	slag	21	4.6	7.1	1519	17	39	23	7.2	2.6	1.8	1.9	5.2	5.0
SCH051	Schilpario	slag	11	2.5	1.6	1220	7.8	19	9.4	3.1	1.5	0.9	1.0	2.4	3.5
SCH061	Schilpario	slag	24	3.0	5.9	496	11	27	16	5.4	1.8	2.6	1.7	3.9	3.8
SCH062	Schilpario	slag	20	3.3	3.6	4254	10	25	15	5.1	3.6	2.3	1.8	3.5	3.6
SCH081	Schilpario	slag	19	4.6	7.6	3252	14	32	17	4.9	2.2	2.2	2.4	4.8	5.2
SCH082	Schilpario	slag	27	5.3	7.7	3150	15	29	16	5.0	1.7	1.8	1.9	5.3	5.4
SCHI z1 S1M1	Schilpario	ore	8.3	0.7	2.1	1640	8.7	29	13	4.3	1.8	0.6	0.05*	1.7	1.9
SCHO71	Schilpario	slag	10.0	0.05*	5.7	4292	14	32	10	5.5	2.3	2.0	1.8	5.2	4.4
SCHz2s1M1	Schilpario	ore	16	0.9	2.1	2040	3.6	11	8.1	3.7	1.4	0.8	0.05*	1.5	3.4
SH011	Schilpario	slag	16	2.6	3.8	1842	8.3	21	14	4.9	2.4	1.4	1.0	3.6	3.2
STMM1	Stendata	ore	6.8	0.9	0.3	105	3.5	6.8	3.2	1.5	1.0	1.1	1.0	2.2	2.2
ST1M1	Stendata	ore	0.05*	0.05*	0.5	113	0.3	0.3	3.0	1.2	0.3	2.5	2.1	0.1*	3.4
ST1M2	Stendata	ore	0.05*	0.05*	0.6	179	1.6	2.9	0.05*	1.5	1.0	0.5	0.2	0.5	0.5
ST3M1	Stendata	ore	4.5	3.3	2.9	148	1.3	3.3	1.6	0.4	0.2	0.5	0.05*	0.7	16
ST3M2	Stendata	ore	4.5	0.05*	0.9	102	4.3	12	0.05*	0.6	0.5	0.4	0.4	0.9	16
ST4M1	Stendata	ore	5.9	2.3	1.3	6193	1.9	6.7	1.4	1.1	1.2	0.5	0.05*	4.1	0.1*
ST4M2	Stendata	ore	5.9	0.05*	1.5	5833	6.6	15	25	1.6	0.6	1.1	0.6	1.8	0.7
T1Z 002	Ponte Val Gabbia	slag	20	3.9	1.5	1135	7.7	17	11	4.7	3.0	3.2	1.3	2.5	1.5
T1Z 003	Ponte Val Gabbia	slag	25	1.7	1.3	1490	3.7	8.9	8.1	5.0	3.6	4.1	0.5	0.7	1.8
T1Z 004	Ponte Val Gabbia	slag	39	2.5	4.8	2510	9.4	20	16	8.1	6.4	5.7	1.0	2.1	2.5
T1Z 005	Ponte Val Gabbia	slag	78	1.8	3.4	7750	14	37	38	22	16	13	1.0	1.7	6.9
T1Z 006	Ponte Val Gabbia	slag	31	2.7	1.4	2530	4.7	11	9.6	5.6	3.8	4.3	0.9	1.6	2.7
T1Z 007	Ponte Val Gabbia	slag	49	4.5	2.9	3090	12	30	24	14	9.4	7.9	1.3	2.7	3.2
T1Z 021	Ponte Val Gabbia	slag	16	0.9	0.3	2830	1.6	4.5	5.8	4.9	3.7	3.5	0.05*	0.1*	3.5
T1Z 031	Piazza lunga	ore	8.3	0.9	0.9	441	1.1	3.5	3.3	2.7	1.1	1.6	0.05*	0.5	0.7

No of the sample	Origin	Type	Y	Nb	Cs	Ba	La	Ce	Nd	Sm	Eu	Yb	Hf	Th	U
T1Z 033	Piazza lunga	ore	34	1.6	6.9	3910	18	30	21	11	4.1	4.2	2.1	5.2	4.8
TRIO1M1	Triomen	ore	3.4	0.3	0.025*	15639	1.7	2.7	1.6	0.6	3.8	0.5	0.05*	0.1	0.1*
TRIO3M1	Triomen	ore	14	1.4	2.1	68629	6.5	9.4	6.1	3.2	18	2.3	1.2	2.3	1.3
VALBONDIONE	Valbondione	ore	0.9	0.4	0.025*	4	0.5	0.6	0.7	0.3	0.5	0.4	0.6	0.6	0.6