

## Supplementary Material

**Figure S1.** Location of the measurement points (2-41) and samples (R and B) in the Harem Court.



**Table S1.** Description of the measurement points.

Point	Observed color/material	Location	Typology
1	System calibration	-	-
2	blue	East portico - Area 2	Socle
3	blue	East portico - Area 2	Socle
4	white	East portico - Area 2	Plaster molding
5	red	East portico - Area 2	Socle
6	red	East portico - Area 2	Socle
7	red	East portico - Area 1	Socle
8	red	East portico - Area 1	Socle
9	red	East portico - Area 3	Socle
10	red	East portico - Area 3	Socle
11	red	East portico - Area 4	Socle
12	blue	East portico - Area 2	Plaster molding
13	blue	East portico - Area 4	Socle
14	blue	East portico - Area 4	Plaster molding
15	blue	East portico - Area 1	Plaster molding
16	blue	East portico - Area 4	Socle
17	black	East portico - Area 1	Socle
18	black	East portico - Area 1	Socle
19	red	East portico - Area 2	Plaster molding
20	red	West portico - Area 6	Socle
21	blue	West portico - Area 6	Socle
22	blue	West portico - Area 6	Socle
23	black	East portico - Area 4	Socle
24	black	East portico - Area 1	Plaster molding
25	black	East portico - Area 2	Plaster molding
26	gypsum	West portico - Area 7	Plasterwork
27	gypsum	West portico - Area 7	Plasterwork
28	gypsum	West portico - Area 6	Plasterwork
29	white	West portico - Area 6	Plasterwork
30	gypsum	West portico - Area 7	Plasterwork
31	white	West portico - Area 7	Plasterwork
32	gypsum	East portico - Area 1	Plaster molding
33	white	East portico - Area 1	Plaster molding
35	gypsum	East portico - Area 5	Plasterwork
36	gypsum	East portico - Area 5	Plasterwork
37	gypsum	East portico - Area 5	Plasterwork
40	gypsum	East portico - Area 5	Plasterwork
34	white	East portico - Area 5	Plasterwork
38	white	East portico - Area 5	Plasterwork
39	white	East portico - Area 5	Plasterwork
41	white	East portico - Area 5	Plasterwork

Note: A XRF spectrum was registered for each point. Several Raman spectra were also registered for each point, although not all of them contained useful information.

**Figure S2.** Zoom in the XRF spectra (obtained using the low filter) to show the smallest contributions: a) in a black motif (measurement point 24) and b) in a blue motif (measurement point 16).

