

[Supplementary material]

Phoenician lime for Phoenician wine: Iron Age plaster from a wine press at Tell el-Burak, Lebanon

Adriano Orsingher^{1,*}, Silvia Amicone², Jens Kamlah¹, Hélène Sader³ & Christoph Berthold²

¹ *Biblisch-Archäologisches Institut, Eberhard Karls University Tübingen, Germany*

² *Competence Center Archaeometry Eberhard Karls University Tübingen, Germany*

³ *Department of History and Archaeology, American University Beirut, Lebanon*

* *Author for correspondence: ✉ adriano.orsingher@gmail.com*

Table S1. Samples identified by a progressive number, along with provenance information.

Sample	Season	Square	Provenance
SA1	2018	27/26	House 4, Room 1
SA2	2018	27/26	House 4, Room 1
SA3	2018	28/25	House 3, Room 3
SA4	2018	28/25	House 3, Room 3
SA5	2018	28/25	House 3, Room 3
SA6	2018	30/21	Wine press, treading basin
SA7	2018	30/21	Wine press, treading basin
SA8	2018	29/21	Wine press, receiving vat
SA9	2018	29/21	Wine press, receiving vat
SA10	2018	29/21	Wine press, receiving vat
SA11	2018	30/21	Wine press, treading basin
SA12	2018	30/21	Wine press, treading basin
SA13	2018	30/21	Wine press, treading basin
SA14	2018	30/21	Wine press, treading basin
SA15	2018	30/21	Wine press, treading basin
SA16	2015	29/21	Wine press, receiving vat
SA17	2015	29/21	Wine press, receiving vat
SA18	2015	29/21	Wine press, receiving vat

Table S2. Summary of the petrographic results of the plaster samples from Tell el-Burak.

Inclusions	Frequency	Shape	Size
Grog	Frequent (30 per cent)	Equant/elongate–very angular	Max = 30mm; mode = 0.96mm
Quartz	Common (25 per cent)	Equant/elongate–angular/subangular	Max = 0.32mm; mode = 0.16mm
Charcoal	Few (5 per cent)	Elongate–very angular	Max = 0.8mm; mode = 0.5 mm
Shells and microfossils*	Few (5 per cent)	Elongate–well rounded	Max = 0.4mm; mode = 0.24mm
Chert	Few (5 per cent)	Elongate–well rounded	Max = 19mm; mode = 5mm
Lumps of lime	Few (5 per cent)	Rounded	Max = 2.0mm; mode = 1.0mm
Clay pellets	Few (5 per cent)	Elongate–sub-rounded	Mode = 0.20/0.40mm
Opaque minerals	Few (5 per cent)	Sub-rounded	Mode = 0.20/0.40mm
Plagioclases	Very few (2 per cent)	Sub-rounded	Mode = 0.16mm
Sedimentary rocks (sandstones)	Rare (1 per cent)	Sub-rounded	Mode = 0.8mm

* Microfossils include coral fragments (Rugosa), Red Algae, small Benthic foraminifera (Brezelina, Globigerinae) and rarely large Benthic foraminifera (Nummilites).