Supplementary Table 3. Identified wood and charcoal taxa from Shivta, Nessana[[1]](#footnote-1) and Elusa[[2]](#footnote-2)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Category | Taxon | English common name | SVT | NZN | HLZ |
| Fruit trees | *Ficus carica* | common fig | + | + | + |
| *Ficus sycomorus* | Sycomore fig | - | + | + |
| *Hyphaene thebaica* | doum palm | + | + | - |
| *Olea europaea* | olive | + | - | + |
| *Phoenix dactylifera* | date palm | + | - | - |
| *Prunus* spp. (*dulcis/armeniaca*) | plum/apricot | + | + | - |
| *Punica granatum* | pomegranate | - | + | - |
| *Vitis vinifera* | grapevine | + | + | - |
| Exotic trees | *Buxus sempervirens* | boxwood | + | + | - |
| *Cedrus libani* | cedar of Lebanon | + | + | - |
| *Fraxinus excelsior* | European ash | - | + | - |
| Desert trees and shrubs | *Calotropis procera* | apple of Sodom | + | + | - |
| *Capparis spinosa* | caper bush | + | - | - |
| *Fagonia mollis* | fagonia | - | + | - |
| *Juniperus phoenicea* | Phoenician juniper | + | + | - |
| *Lycium* spp. | boxthorn | + | + | + |
| *Moringa peregrina* | Ben tree | + | - | - |
| *Pistacia atlantica* | Persian turpentine | + | + | - |
| *Populus/Salix* | poplar/willow | - | + | - |
| *Retama raetam* | white broom | + | + | + |
| *Rhamnus* spp. | buckthorn | + | + | + |
| *Salsola tetrandra* | saltwort [tetrandra] | + | - | - |
| *Salsola vermiculata* | Mediterranean saltwort | + | + | - |
| *Tamarix* spp. | tamarisk | + | + | + |
| *Ziziphus/Paliurus* | jujube/Jerusalem thorn | + | + | + |
| *Zygophyllum dumosum* | bushy bean caper | + | + | - |
| Mediterranean trees and shrubs | *Crataegus* spp. | hawthorn group/Maloideae | + | + | + |
| *Cupressus sempervirens* | Italian cypress | + | + | + |
| *Myrtus communis* | true myrtle | - | + | - |
| *Pinus halepensis* | Aleppo pine | + | + | + |
| *Pistacia palaestina* | terebinth | + | + | + |
| *Platanus orientalis* | oriental plane | - | + | + |
| *Quercus calliprinos* | Kermes oak | + | - | + |
| *Vitex agnus-castus* | chaste tree | - | + | - |

1. Data for Shivta and Nessana derive from Table 1 in: Langgut, D., et al. (2021) Environment and horticulture in the Byzantine Negev Desert, Israel: Sustainability, prosperity and enigmatic decline. *Quaternary International*,593: 160–177 [↑](#footnote-ref-1)
2. Data for Elusa are based on Table S8 in: Bar-Oz, G., et al. (2019) Ancient trash mounds unravel urban collapse a century before the end of Byzantine hegemony in the southern Levant. *PNAS*, 116(17): 8239–8248. [↑](#footnote-ref-2)