

## Electronic Supplemental Material 2: Archaeobotanical data summaries

Plant gathering and people-environment interactions at Epipalaeolithic Kharaneh IV, Jordan, southern Levant - Vegetation History and Archaeobotany

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### Total abundance by taxon in Areas A and B (FoT=Flora of Turkey)

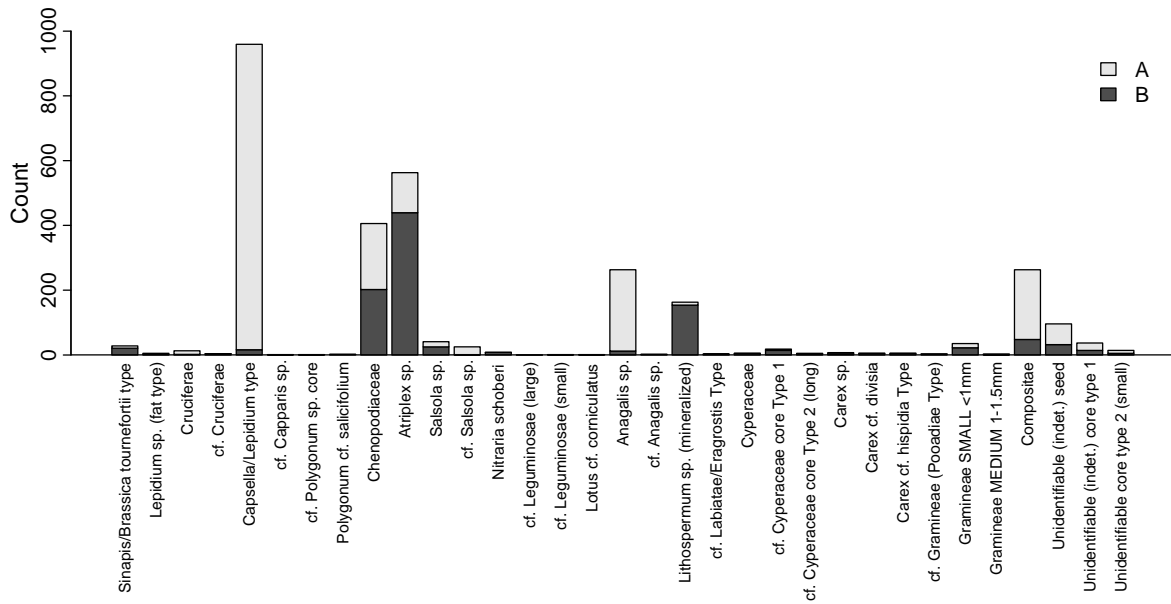
Taxon	Family (FoT)	Plant Part	Other description	Area A	Area B	Total
<i>Sinapis/Brassica tournefortii</i> type	Cruciferae	seed		7	21	<b>28</b>
<i>Sinapis/Brassica tournefortii</i> type	Cruciferae	Seed fragment		6	4	<b>10</b>
<i>Lepidium</i> sp. (fat type)	Cruciferae	seed		3	2	<b>5</b>
<b>Cruciferae</b>	Cruciferae	Seed fragment		7	3	<b>10</b>
<b>Cruciferae</b>	Cruciferae	seed		11	2	<b>13</b>
<b>cf. Cruciferae</b>	Cruciferae	seed		0	4	<b>4</b>
<i>Capsella/Lepidium</i> type	Cruciferae	seed		943	16	<b>959</b>
<b>cf. Capparidaceae</b>	Capparaceae	seed		0	1	<b>1</b>
<b>cf. Polygonum</b> sp.	Polygonaceae	core		0	1	<b>1</b>
<i>Polygonum</i> cf. <i>salicifolium</i>	Polygonaceae	fruit		0	2	<b>2</b>
<b>Chenopodiaceae</b>	Chenopodiaceae	fruit		204	202	<b>406</b>
<b>Chenopodiaceae</b>	Chenopodiaceae	fruit fragment		10	0	<b>10</b>
<i>Atriplex</i> sp.	Chenopodiaceae	fruit		124	439	<b>563</b>

<i>Salsola</i> sp.	Chenopodiaceae	fruit		16	25	<b>41</b>
cf. <i>Salsola</i> sp.	Chenopodiaceae	fruit		24	1	<b>25</b>
<i>Nitraria schoberi</i>	Zygophyllaceae	seed		0	8	<b>8</b>
<i>Nitraria schoberi</i>	Zygophyllaceae	seed fragment		10	104	<b>114</b>
cf. Leguminosae (large)	Leguminosae	seed		1	0	<b>1</b>
cf. Leguminosae (small)	Leguminosae	seed		0	1	<b>1</b>
<i>Lotus</i> cf. <i>corniculatus</i>	Leguminosae	seed		0	1	<b>1</b>
<i>Anagalis</i> sp.	Primulaceae	seed		251	12	<b>263</b>
cf. <i>Anagalis</i> sp.	Primulaceae	seed		0	2	<b>2</b>
<i>Lithospermum</i> sp. (mineralized)	Boraginaceae	fruit		9	154	<b>163</b>
<i>Lithospermum</i> sp. (mineralized)	Boraginaceae	fruit fragment		3	19	<b>22</b>
Cyperaceae	Cyperaceae	fruit		0	5	<b>5</b>
Cyperaceae	Cyperaceae	fruit fragment		2	2	<b>4</b>
cf. Cyperaceae core type <b>1</b>	Cyperaceae	core		4	14	<b>18</b>
cf. Cyperaceae core type <b>2 (long)</b>	Cyperaceae	core		1	4	<b>5</b>
<i>Carex</i> sp.	Cyperaceae	fruit		4	3	<b>7</b>
<i>Carex</i> sp. (mineralized)	Cyperaceae	fruit fragment		4	0	<b>4</b>
<i>Carex</i> cf. <i>divisia</i>	Cyperaceae	fruit		0	5	<b>5</b>
<i>Carex</i> cf. <i>hispidia</i> type	Cyperaceae	fruit		0	5	<b>5</b>
cf. Gramineae (Pooadiae type)	Gramineae	grain		0	3	<b>3</b>
Gramineae SMALL <1mm	Gramineae	grain		13	22	<b>35</b>
Gramineae SMALL	Gramineae	grain fragment		3	3	<b>6</b>
Gramineae MEDIUM 1-1.5mm	Gramineae	grain		2	1	<b>3</b>
Gramineae MEDIUM	Gramineae	grain fragment		1	8	<b>9</b>

<b>Gramineae LARGE &gt;1.5mm</b>	Gramineae	grain fragment		1	6	<b>7</b>
<b>cf. Taeniatherum sp.</b>	Gramineae	grain fragment		0	1	<b>1</b>
<b><i>Hordeum</i> sp.</b>	Gramineae	grain fragment		1	12	<b>13</b>
<b>Compositae</b>	Compositae	fruit		215	48	<b>263</b>
<b>Compositae</b>	Compositae	fruit fragment		80	43	<b>123</b>
<b>Unidentifiable (cf. <i>Labiatae/Eragrostis</i> type)</b>	N/A	fruit/grain		1	2	<b>3</b>
<b>Unidentifiable (indet.) seed</b>	N/A	seed		64	32	<b>96</b>
<b>Unidentifiable (indet.) seed fragment</b>	N/A	seed fragment		347	275	<b>622</b>
<b>Unidentifiable (indet.) core type 1</b>	N/A	core		23	14	<b>37</b>
<b>Unidentifiable (indet.) core type 2 (small)</b>	N/A	core		9	5	<b>14</b>
<b>Unidentified (indet.) type 1</b>	N/A	fragment	Small cf. stick like	0	8	<b>8</b>
<b>Unidentified (indet.) type 2</b>	N/A	fragment	Folded clump/root knot	0	1	<b>1</b>
<b>Unidentifiable (indet.) type 3</b>	N/A	fragment	Non woody item	582	543	<b>1125</b>
<b>Unidentifiable (indet.) type 4</b>	N/A	fragment	cf. Fruit flesh	3	6	<b>9</b>
<b>Unidentifiable (indet.) type 5</b>	N/A	fragment	Reticulate 'Hook'	38	3	<b>41</b>

			like item			
<b>Unidentifiable (indet.) type 6</b>	N/A	ml	Amorp hous burned masses (small)	7ml	22ml	<b>29ml</b>
<b>Unidentifiable (indet.) type 7</b>	N/A	pellet	Dung like pellet	1	2	<b>3</b>
<b>Unidentifiable (indet.) type 8</b>	N/A	1ml	Tuber like fragme nt	0	3ml	<b>3ml</b>
<b>Unidentifiable (indet.) type 9</b>	N/A	fragment s	Tissue with Rugose surface	0	3	<b>3</b>
<b>Unidentifiable (indet.) type 10</b>	N/A	fragment	Clump of cf. seeds/s pores	0	1	<b>1</b>
<b>Unidentifiable (indet.) type 11</b>	N/A	fragment	fruit/nut shell	18	15	<b>33</b>
<b>Unidentifiable (indet.) type 12</b>	N/A	fragment	mineral ized fruit/nut shell	4	1	<b>5</b>
<b>Unidentifiable (indet.) type 13</b>	N/A	fragment	vitriified spike/fr uit?	0	2	<b>2</b>

## Seed abundance (MNI) of all Kharaneh IV samples for Areas A and B



## List of identified taxa and a generalised description and classification of their habitat extracted from ESM3. For further information and details on each taxon see ESM3.

Taxon	Family	Generalised Ecology/Habitat Description	Classification
<i>Sinapis/Brassica tournefortii</i> type	Cruciferae	Waste places, wind-blown, sandy arid, or semi-arid environments	DRY
<i>Lepidium</i> sp. (fat type)	Cruciferae	Wide ranging: deserts and wet places, saline, waste places	VARIED
<i>Capsella/Lepidium</i> type	Cruciferae	Cultivated land, waste places	VARIED
Cruciferae	Cruciferae	Majority of species occupy arid habitats with minimal annual rainfall	VARIED
cf. Cruciferae	Cruciferae	Majority of species occupy arid habitats with minimal annual rainfall	VARIED
cf. <i>Capparis</i> sp.	Capperaceae	Arid, disturbed land, rock outcrops	DRY
<i>Polygonum</i> cf. <i>salicifolium</i>	Polygonaceae	Wet places, marshy lowlands, swamps near sea level	WET
Chenopodiaceae	Chenopodiaceae	Dry temperate and warm temperate areas, tolerate salty soils, grow in dry steppes or semideserts	DRY
<i>Atriplex</i> sp.	Chenopodiaceae	Deserts and wadi beds	DRY
<i>Salsola</i> sp.	Chenopodiaceae	Deserts, dry, saline	DRY
<i>Nitraria schoberi</i>	Zygophyllaceae	Sandy, dry, salty	DRY
cf. Leguminosae (large)	Leguminosae	Worldwide distribution (except Antarctica and high Artic), shrubs predominantly outside tropics	VARIED

cf. Leguminosae (small)	Leguminosae	Worldwide distribution (except Antarctica and high Artic), shrubs predominantly outside tropics	VARIED
<i>Lotus cf. corniculatus</i>	Leguminosae	Humid, damp heavy soil	WET
<i>Anagalis</i> sp.	Primulaceae	Marshy, cultivated land river banks clay soil rocky slopes	VARIED
<i>Lithospermum</i> sp.	Boraginaceae	Limestone slopes, field margins, rocky, steppe	VARIED
Cyperaceae	Cyperaceae	Associated with wetlands or poor soils	WET
cf. Cyperaceae core type 1	Cyperaceae	Associated with wetlands or poor soils	WET
cf. Cyperaceae core type 2 (long)	Cyperaceae	Associated with wetlands or poor soils	WET
<i>Carex</i> sp.	Cyperaceae	Wet places, marshes, ditches by streams, saltmarshes	WET
<i>Carex cf. divisia</i>	Cyperaceae	Wet places, marshes, ditches by streams, saltmarshes	WET
<i>Carex cf. hispidia</i> type	Cyperaceae	Wet places, marshes, ditches by streams, saltmarshes	WET
cf. Gramineae (Pooideae?/Setaria? Type)	Gramineae	Cool weather, disturbed grounds	VARIED
cf. <i>Taeniatherum</i> sp.	Gramineae	Dry, steppe grassy, slopes, stony hillsides, scrub, sandy plains	DRY
<i>Hordeum</i> spp.	Gramineae	Steppe river banks lake margins fields roadsides	VARIED
Gramineae LARGE	Gramineae	Worldwide distribution (except Antarctica)	VARIED
Gramineae MEDIUM	Gramineae	Worldwide distribution (except Antarctica)	VARIED
Gramineae SMALL	Gramineae	Worldwide distribution (except Antarctica)	VARIED
cf. Compositae	Compositae	Worldwide distribution except Antarctica and extreme Arctic	VARIED