

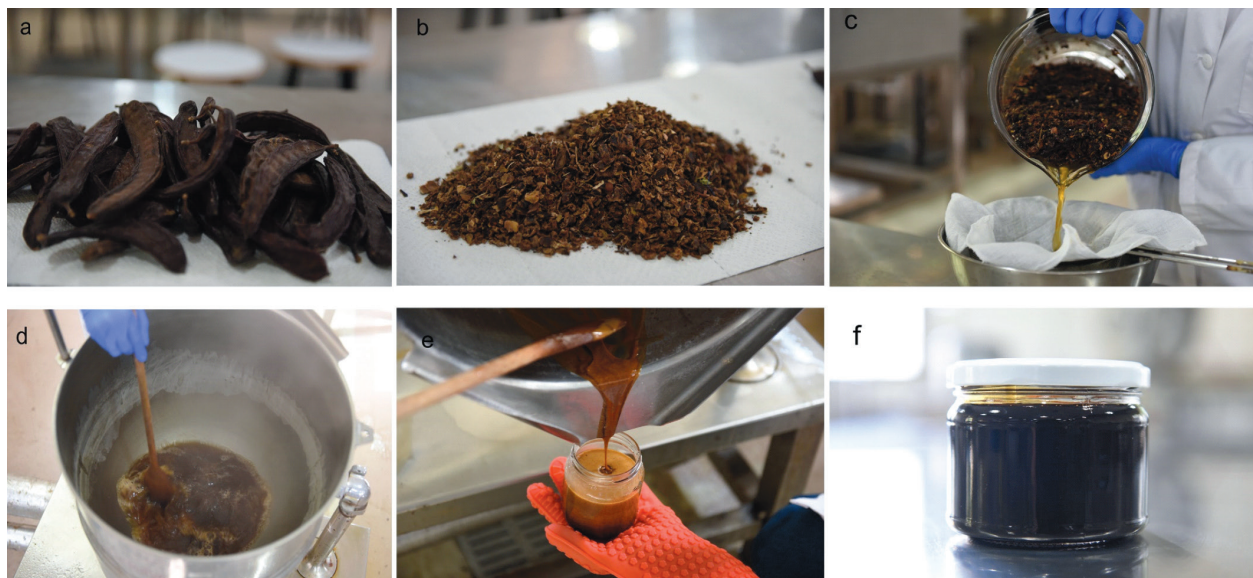
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Fig. S1. Preparation of carob syrup: a) carob pods, b) coarsely ground carob kibbles, c) filtering the carob extract, d) heat concentration of the carob extract, e) pouring the hot syrup into glass jars, and f) carob syrup

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Table S1. Morphological characteristics of carob pods from the accessions used in syrup making

Carob accession	<i>m/g</i>	<i>l/cm</i>	<i>b/cm</i>	δ/cm	<i>N(seed)</i>
Akkar	(23.8±5.2) ^g	(18.5±2.9) ^h	(3.0±2.1) ^{ab}	(0.9±0.2) ^{defg}	(11.0±1.5) ^{hij}
Selaata	(19.4±3.7) ^{ef}	(13.2±1.7) ^{cde}	(2.3±0.2) ^a	(0.8±0.2) ^{bcd}	(9.0±1.1) ^{cdef}
Wadi El Hojeir	(11.7±2.1) ^{abc}	(15.3±0.7) ^{efg}	(1.7±0.1) ^a	(0.6±0.1) ^a	(12.0±1.9) ⁱ
Batroun	(18.1±3.6) ^{def}	(11.0±1.3) ^{ab}	(2.3±0.2) ^a	(1.0±0.2) ^{efg}	(11.0±1.6) ^{hij}
Maaroub	(15.7±1.8) ^{cde}	(10.1±0.5) ^a	(1.9±0.1) ^a	(0.8±0.3) ^{bcd}	(9.0±1.4) ^{bcd}
Bourjin	(19.2±5.8) ^{ef}	(14.2±2.3) ^{def}	(2.4±0.2) ^{ab}	(1.0±0.2) ^{defg}	(11.0±1.3) ^{ghij}
Marjayoun	(15.6±2.4) ^{cde}	(10.0±0.6) ^a	(1.7±0.3) ^a	(0.9±0.1) ^{defg}	(8.0±1.2) ^{ab}
AUB1	(21.1±3.6) ^{fg}	(17.1±2.2) ^{gh}	(2.2±0.3) ^a	(0.8±0.1) ^{bcd}	(10.0±0.5) ^{fghij}
AUB2	(12.8±4.8) ^{abc}	(13.2±2.5) ^{cde}	(2.2±0.2) ^a	(0.7±0.1) ^{abc}	(13.0±0.5) ^k
AUB3	(25.1±5.6) ^g	(15.9±4.0) ^{fg}	(2.2±0.4) ^a	(0.9±0.1) ^{defg}	(11.0±0.5) ^{hij}
AUB4	(18.1±4.0) ^a	(10.2±2.9) ^{abc}	(2.3±0.4) ^a	(0.7±0.1) ^{ab}	(8.0±1.1) ^{bc}
AUB6	(11.6±2.2) ^{ab}	(9.9±1.8) ^a	(2.0±0.3) ^a	(0.9±0.2) ^{defg}	(9.0±2.3) ^{cdefg}
AUB7	(14.5±4.4) ^{bcd}	(14.6±2.1) ^{def}	(3.8±5.9) ^b	(0.9±0.2) ^{cdefg}	(11.0±1.1) ^{hij}
AUB8	(18.1±4.1) ^{def}	(10.1±1.4) ^a	(2.2±0.3) ^a	(1.0±0.1) ^g	(10.0±0.9) ^{efghi}
AUB9	(25.3±8.1) ^g	(11.3±2.1) ^{de}	(1.7±0.3) ^{ab}	(0.7±0.1) ^{defg}	(8.0±0.6) ^{cde}
AUB10	(11.8±3.3) ^{abc}	(12.7±1.9) ^{bcd}	(1.9±0.3) ^a	(1.0±0.2) ^{efg}	(10.0±1.5) ^{defgh}
AUB11	(22.3±4.8) ^{fg}	(10.3±1.9) ^a	(2.3±0.3) ^a	(0.9±0.2) ^{cdefg}	(7.0±0.9) ^a
AUB12	(10.5±2.6) ^{ab}	(12.5±4.0) ^{bcd}	(1.9±0.2) ^a	(0.9±0.4) ^{bcd}	(11.0±1.0) ^{ij}
AUB14	(19.2±4.7) ^g	(11.6±0.2) ^a	(2.1±0.6) ^a	(0.9±0.0) ^{fg}	(15.0±1.3) ^l

Values with different letters in superscript in the same column are statistically different ($p < 0.05$) according to Duncan's multiple range test. AUB1 to AUB14=American University of Beirut