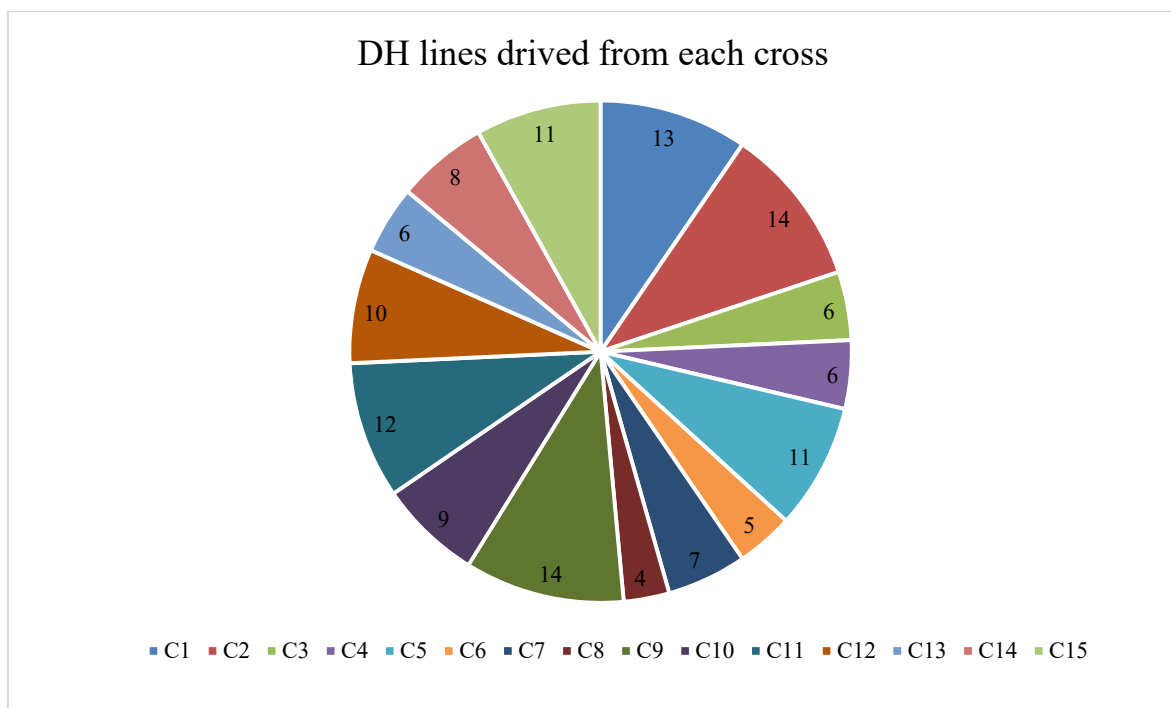


## Correlational analysis of agronomic and seed quality traits in *Camelina sativa* doubled haploid lines under rain-fed condition

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**Figure S1.** Proportion of the DH lines derived from each cross in 136 DH lines.

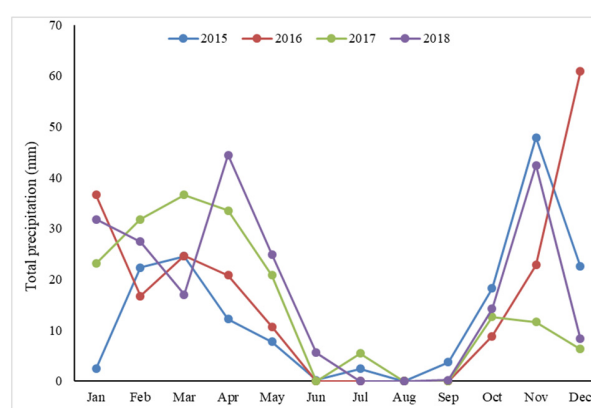
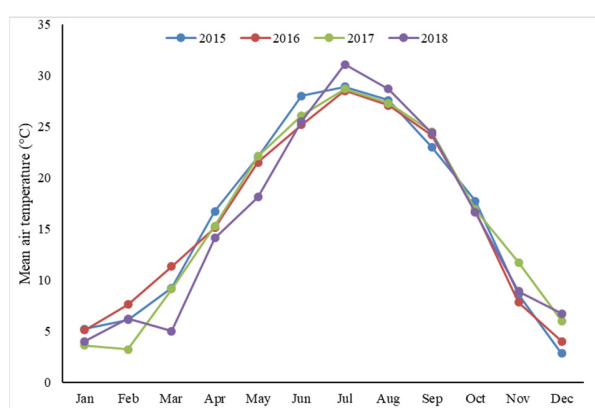
C1 to C15 represent cross numbers and number of DH lines in each cross showed in the pie chart.

**Table S1**

List of camelina cultivars used as parents in the crosses for production of DH lines.

Cross No.	Maternal parent (♀)	Origin	Paternal parent (♂)	Origin	DH lines
1	Voronezskij 349	Russian	Kirgizskij 1	Kyrgyzstan	DH001, DH002, DH005, DH037, DH051, DH062, DH070, DH073, DH077, DH086, DH087, DH093, DH096
2	Omskij Mestnyj	Russia	Irkutskij Mestnyj	Irkutsk Region	DH003, DH006, DH009, DH032, DH038, DH043, DH046, DH060, DH071, DH079, DH089, DH113, DH118, DH129
3	Przybrodzka	Poland	Hoga	Denmark	DH007, DH014, DH017, DH020, DH022, DH104
4	Saratouskij	Russia	Bronowska	Poland	DH008, DH024, DH040, DH066, DH115, DH120
5	Chulymskij	Russia	Omskij Mestnyj	Russia	DH011, DH025, DH029, DH041, DH042, DH058, DH068, DH116, DH121, DH125, DH131
6	Krupnosemjannyj	Russia	Brzybrodzka II	Poland	DH026, DH063, DH078, DH106, DH110
7	Came	Germany	Volynskaja	Former Soviet Union	DH031, DH069, DH076, DH090, DH098, DH119, DH123
8	Boha	Denmark	Volynskaja	Former Soviet Union	DH018, DH019, DH023, DH097
9	Came	Germany	Omskij	Former Soviet Union	DH004, DH034, DH035, DH082, DH088, DH091, DH094, DH095, DH100, DH108, DH111, DH112, DH124, DH132
10	Svalöf	Sweden	Ukrajinskij	Former	DH027, DH028, DH050, DH052, DH056, DH103,

				Soviet Union	DH105, DH117, DH130
11	Calena	Germany	Blaine Creek	Greece	DH015, DH030, DH036, DH047, DH080, DH083, DH084, DH101, DH114, DH134, DH135, DH136
12	Zavolzskij	Former Soviet Union	Sortandinskij	Former Soviet Union	DH021, DH039, DH044, DH045, DH059, DH067, DH081, DH099, DH102, DH126
13	VNIIMK 17	Former Soviet Union	Borowska	Poland	DH048, DH057, DH074, DH075, DH085, DH127
14	Voronezh 349	Former Soviet Union	Czestochowska	Poland	DH010, DH016, DH049, DH054, DH055, DH061, DH109, DH133
15	Lindo	Germany	Ukrajinskaja	Former Soviet Union	DH012, DH013, DH033, DH053, DH064, DH065, DH072, DH092, DH107, DH122, DH128



**Figure S2.** Main meteorological data (mean air temperature and total precipitation) for Karaj station during 2015-2018.

**Table S2.** Soil characteristics of the experimental site taken from 0-30 cm in the two different cropping years.

Cropping year	Clay (%)	Silt (%)	Sand (%)	pH	N (%)	P (mg/kg)	K (mg/kg)	Organic carbon (%)
2015-2016	24	50	26	7.56	0.072	7.71	173	0.51
2017-2018	25	51	24	7.73	0.065	8.48	176	0.54

Block 1	Block 2	Block 3	Block 4	Block 5	Block 6	Block 7	Block 8
28	75	136	36	69	21	57	103
112	19	88	129	52	87	104	10
10	71	70	53	20	35	136	4
32	93	106	90	105	91	72	56
8	10	6	58	121	10	37	25
51	125	39	122	136	12	55	124
38	59	129	120	74	108	89	136
96	24	92	107	18	40	129	22
129	123	136	23	129	86	44	126
73	117	42	136	127	135	110	77
29	27	98	113	10	95	17	9
66	136	109	61	78	7	2	31
134	1	45	11	13	129	26	60
54	46	128	10	131	115	67	129
136	119	116	76	97	43	81	80
79	63	10	64	118	133	47	49
84	3	15	82	129	48	130	99
100	33	132	10	34	50	65	62
41	83	68	16	114	102	10	94
111	129	5	101	85	136	30	14

**Figure S3.** Augmented design for assessment of the 136 DH lines. Checks: DH10, DH129 and DH136. Different colors represent the three different checks.