

Supplementary materials

Table S1. Effects of salt and water deficit stresses on germination ability, total dry weight and grain yield of 184 barley varieties grown in pots under greenhouse conditions. Last column includes the results of the K-means cluster analysis.

a/a	Barley variety	NaCl (mM)												K-means cluster rating				
		0				150				0					150			
		Irrigation (% of soil water capacity)																
		40	80	40	80	40	80	40	80	40	80	40	80		40	80		
Germination (plants per pot)				Total dry weight (g per pot)				Grain yield (g per pot)										
1	Pistacho CMB 77 A-1266-2B-1Y-1B-0Y	10.0	8.3	8.0	2.0	8.7	16.5	5.3	8.9	2.5	4.9	1.6	3.6	1 ^a				
2	Gloria 'S'/Come 'S' CMB 81-294-5B-2Y-8M-OY	6.7	6.3	4.7	4.3	6.8	11.0	5.6	9.2	0.5	1.2	0.6	0.0	2				
3	Gloria 'S'/Come 'S' CMB 81-294-5B-5Y-1M-1Y-0M	11.0	12.0	11.7	6.3	5.5	6.8	0.1	7.4	0.0	0.0	0.1	0.0	3				
4	Gloria 'S'/Copal 'S' CMB 81-295-6B-2Y-1M-0Y	11.7	10.7	10.0	2.7	5.4	9.1	5.4	8.1	0.6	1.3	1.3	1.9	3				
5	Caco 'S'/3/AP/CM 67/1594	2.0	4.0	2.0	1.0	7.5	8.1	3.7	10.0	2.7	1.4	1.6	0.7	4				
6	Robust	10.3	11.0	9.0	8.0	7.3	13.7	6.9	12.1	2.9	5.9	1.9	4.7	1				
7	Oregon Line	11.3	10.3	6.0	0.3	7.1	12.0	6.1	12.6	0.1	0.4	0.1	1.0	1				
8	Quinbenras	6.3	7.7	1.3	4.0	6.6	7.2	3.5	5.9	0.9	1.0	0.8	2.0	4				
9	Karla	9.7	10.0	0.7	5.0	6.5	7.8	3.8	6.3	1.8	0.9	1.4	2.3	3				
10	Gloria 'S'/Come 'S'	5.3	4.3	0.0	1.0	5.4	11.5	0.0	5.8	1.8	3.8	0.0	1.2	4				
11	Karan 280	10.0	8.3	1.0	1.7	4.5	9.9	2.0	8.4	0.0	0.0	0.0	0.0	2				
12	Gloria 'S'/Copal 'S' 2M-2Y-2M	11.3	10.7	11.0	1.7	5.9	6.4	3.6	6.1	0.0	0.0	0.0	0.0	3				
13	Pistacho	11.7	11.0	10.0	2.3	4.2	7.3	3.9	7.4	0.0	0.6	0.1	0.3	3				

14	CHIA	10.3	9.3	7.3	1.3	5.0	8.8	0.4	8.7	0.1	0.2	0.0	0.2	3
15	Heatland	9.3	11.0	0.7	4.3	6.4	10.1	3.9	10.4	1.1	1.4	0.1	0.5	2
16	Lignee 640	10.0	10.0	4.7	1.3	4.0	9.9	3.2	12.4	0.0	1.0	0.2	1.2	2
17	Matnan 'S' /EH 165	10.3	9.3	1.7	1.0	3.8	10.3	0.0	7.9	0.0	0.0	0.0	0.2	3
18	Paico 'S'	6.0	7.3	5.7	0.7	3.4	4.9	2.0	3.0	0.3	0.7	0.0	0.7	4
19	Galt Brea 'S'	10.0	11.3	1.0	6.3	8.4	14.7	7.1	11.8	2.0	3.2	2.3	3.2	1
20	IBTA 80	5.7	5.3	3.0	1.0	8.5	14.0	6.1	7.4	1.3	1.6	1.7	1.2	2
21	Ruda 'S'	7.0	9.0	1.7	2.7	9.1	13.8	4.2	15.4	1.7	1.9	1.7	2.6	1
22	Paico 'S' 3B-1SB-1Y	8.0	10.7	1.3	2.7	7.6	11.4	4.3	11.5	0.6	1.4	0.0	0.5	2
23	F3 Bulk Resist. Desc/Sutter	11.0	8.3	0.3	1.3	9.6	13.4	0.8	7.3	1.7	1.4	0.7	1.6	2
24	Malebo	8.3	10.0	1.7	0.7	8.4	11.9	7.5	14.8	2.3	1.0	2.9	5.9	1
25	UNA 80	8.0	8.3	0.3	2.3	9.5	12.5	2.5	3.4	1.0	1.4	0.3	0.7	2
26	Zarjau	10.7	10.0	1.0	1.0	6.6	15.2	0.0	7.0	0.0	0.0	0.0	0.0	2
27	DZ-38-67	9.3	9.0	0.3	1.7	10.6	11.4	5.3	9.6	1.1	2.1	0.9	1.4	1
28	Ager	10.0	10.0	4.0	1.7	4.0	7.6	5.0	12.0	0.0	0.0	0.0	1.8	2
29	ICB-100002	9.7	9.0	5.0	1.7	4.3	8.1	4.7	11.1	0.0	0.8	0.0	1.5	2
30	Robur/WA 2196-68	9.7	11.3	7.0	1.7	5.7	12.2	8.6	10.2	0.8	1.2	0.8	0.7	1
31	Clayton	9.0	8.0	3.0	0.3	5.0	11.6	1.7	10.2	1.5	1.4	0.5	1.6	2
32	Kearney	7.0	8.0	2.3	2.0	8.5	10.5	6.4	12.7	1.2	0.9	1.3	1.7	1
33	ICB-105968	6.3	6.3	0.7	0.3	5.1	12.0	0.7	5.7	0.0	0.3	0.0	0.0	4
34	MD 801105-20	8.0	8.7	2.3	0.7	7.0	9.3	6.1	7.8	0.5	0.4	0.6	0.4	2
35	KS-87 C 45	9.3	8.3	2.0	1.7	5.3	12.5	1.3	9.9	0.3	0.0	0.0	0.0	2
36	Rihane 03	9.7	9.0	0.7	0.3	4.7	13.7	1.3	8.7	0.0	0.5	0.0	0.5	2
37	WA 2138/S.W./Thibaut	8.7	9.0	0.3	1.3	6.2	12.4	2.1	6.1	0.6	1.3	0.0	1.5	2

38	Astrix	6.3	8.0	0.7	1.3	6.6	7.1	2.2	11.9	1.9	4.3	0.9	2.0	2
39	Belt 67	7.0	11.0	0.7	0.3	7.7	10.3	4.7	12.6	2.7	2.8	0.3	1.3	2
40	ICB 100126	8.3	9.7	1.0	4.7	7.7	20.4	6.2	11.8	0.4	1.1	0.4	1.3	1
41	MD-45-58-37	9.3	10.3	0.0	0.7	6.3	13.3	0.0	4.1	0.0	0.7	0.0	0.7	2
42	Pike USA	5.0	6.0	0.0	0.7	6.5	14.8	0.0	5.0	1.3	4.0	0.0	1.3	4
43	Star	11.0	11.0	0.0	0.3	7.6	12.8	0.0	7.5	0.7	0.6	0.0	0.1	2
44	Lignee 131	10.3	9.7	0.3	1.3	4.0	13.2	1.6	10.7	0.0	0.0	0.0	0.0	2
45	Debut	11.3	11.0	1.0	5.3	6.7	13.2	2.1	5.6	0.0	0.0	0.0	0.0	3
46	Bemir-2	8.7	10.0	1.3	5.7	7.6	13.1	1.7	5.3	0.0	0.0	0.0	0.0	2
47	Kamiak/BELTS 67-875	5.3	7.0	0.7	0.7	8.3	14.6	3.5	8.9	0.7	1.3	0.0	0.5	2
48	Md 45-59-32	6.3	7.3	0.7	1.3	5.0	9.4	0.0	6.8	0.0	0.4	0.0	0.0	4
49	ICB 104085	9.7	10.3	6.3	0.7	6.2	11.0	5.5	9.4	0.7	0.1	0.0	0.4	2
50	Activ	9.7	9.3	1.0	0.7	8.0	12.8	2.6	8.9	2.6	2.9	0.8	2.4	2
51	Acton	9.7	11.0	3.7	5.7	8.8	15.8	5.1	9.9	2.5	2.4	1.2	2.8	1
52	Friberga	9.3	10.7	0.7	6.3	8.0	11.2	5.0	9.1	1.9	3.6	1.6	2.3	1
53	Cyclone	4.3	6.3	4.7	4.7	7.9	12.2	6.3	9.9	1.3	3.1	2.1	2.1	1
54	III 62-19/FB	7.3	4.7	1.7	0.7	5.2	10.1	0.9	4.0	1.1	1.5	0.0	0.3	4
55	Robur/J-126/OWB	9.3	10.0	0.0	0.3	7.8	13.2	0.0	0.6	0.0	0.2	0.0	0.0	4
56	Hesk/WA 2905-75	9.3	11.3	1.3	3.3	8.0	16.2	4.8	10.9	0.6	1.6	0.6	1.0	1
57	Scotia 1/WA 1356-70	8.3	9.3	0.7	3.0	9.0	14.0	4.9	6.4	0.2	2.7	0.1	1.3	2
58	Robur/WA 2196-68	7.0	9.3	0.0	0.3	6.1	14.4	0.0	4.7	0.0	0.0	0.0	0.0	4
59	Robur/J-126/OWB	9.7	9.7	0.0	0.3	3.9	13.2	0.0	4.4	0.0	0.5	0.0	0.2	4
60	Athene/DAR 69-735/MLR	9.7	10.7	1.0	2.3	6.4	13.8	3.5	5.6	0.7	1.7	0.8	0.9	2
61	Novator	7.7	8.7	0.7	1.3	6.4	12.7	2.9	7.3	0.5	0.7	0.0	0.5	2

62	Meteor	4.0	6.3	0.3	2.7	6.6	12.6	2.2	6.9	0.0	0.7	0.0	0.0	2
63	Donor	2.0	4.0	0.3	1.0	3.9	16.0	0.0	7.9	0.5	0.0	0.0	0.2	4
64	ZDM 938	4.7	6.0	0.0	1.0	6.1	12.2	0.0	0.0	0.0	0.4	0.0	0.0	4
65	80.5016/P Dulce 'S' A-82	4.0	5.7	0.0	0.0	4.2	14.6	0.0	0.0	0.0	0.2	0.0	0.0	4
66	Saconia	0.0	0.7	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.2	0.0	0.0	4
67	Alaska/GSI A-212	7.7	8.3	0.3	4.7	6.2	15.5	4.7	5.1	0.7	2.9	0.3	0.8	2
68	Alaska/Triumph	4.3	4.3	0.7	0.7	4.1	17.4	0.6	7.7	0.7	1.7	0.1	0.3	2
69	Moulin/TCHN A-216	8.3	8.0	0.3	1.0	1.6	3.0	0.0	3.7	0.0	0.0	0.0	0.0	4
70	Moulin/Egypt	9.7	10.7	0.3	0.7	7.8	16.2	0.1	5.7	0.4	1.0	0.0	0.6	2
71	Alpha/Ramona A-226	7.7	9.0	0.3	2.3	4.0	16.4	2.3	9.8	0.4	3.0	0.0	2.9	2
72	Mauri/Iran	10.0	11.3	1.3	2.7	2.9	11.6	0.0	6.0	0.0	0.0	0.0	0.0	3
73	1206 N/Amsel A-24	3.0	4.3	0.0	0.7	4.9	13.7	0.0	6.5	0.0	0.1	0.0	0.0	4
74	Hagenamugi/Gloria 'S' A-26	5.7	5.3	0.3	2.3	6.9	14.0	1.7	5.2	0.9	1.4	0.0	0.0	2
75	Robur/Astrix A-33	8.7	11.0	1.7	2.0	6.3	12.5	0.0	5.0	0.0	0.8	0.0	0.7	2
76	Egypt 20 A-41	7.0	6.3	1.0	0.7	8.7	11.1	1.9	8.3	2.0	1.8	0.3	0.3	2
77	Kamiak/Gloria 'S'/Come 'S' A-55	6.7	9.0	0.0	3.7	4.5	12.9	0.0	4.7	0.6	4.4	0.0	2.0	4
78	Alpha/PM5/Ben A-68	7.0	8.0	0.3	0.7	8.8	12.3	0.0	0.0	0.7	0.7	0.0	0.0	4
79	Gerbel/PM5/Ben A-89	6.7	6.3	1.0	2.0	6.7	11.2	0.0	0.8	0.1	0.1	0.0	0.0	4
80	Gerbel/Una 80 A-98	6.0	7.0	2.3	2.3	7.9	13.1	0.0	0.0	0.1	0.4	0.0	0.0	4
81	Alpine/Gloria A-111	7.0	9.3	3.3	4.0	8.1	16.2	2.4	8.3	0.2	1.0	0.0	0.9	2
82	Forrajera Klein/Gloria 'S' A113	8.3	9.0	0.3	1.0	7.2	14.9	4.6	5.5	0.4	0.9	0.0	1.1	2
83	MS 2375/Gloria 'S' A-117	10.0	9.7	1.3	1.3	6.8	13.8	6.2	9.0	1.0	1.6	0.0	0.0	2
84	MS 2375/Valeriana 'S' A-118	4.0	6.7	0.0	0.0	8.1	12.4	0.0	0.0	1.1	2.3	0.0	0.0	4
85	HB855/467/Alpha/Gloria 'S' A-143	4.0	9.0	1.7	2.0	5.5	10.5	0.0	4.2	0.1	0.0	0.0	0.0	4

86	Hudson/Tunis/Eh 165 A-188	6.3	8.3	1.7	4.7	7.9	13.8	1.5	1.5	0.2	0.5	0.0	0.5	2
87	Quinn/Rumorosa A-3	5.3	8.0	0.3	1.0	3.1	13.2	0.0	6.2	0.1	0.4	0.0	0.1	4
88	Quinn/Tunis A-6	7.0	8.0	1.3	4.0	5.3	13.1	6.2	6.2	0.1	0.6	0.3	0.5	2
89	Lignee 131/Tunis A-12	4.0	6.0	0.3	0.3	6.4	14.5	2.6	10.3	1.6	1.9	0.0	0.8	2
90	FB 73 607 D35/Manker/Aths A-72	1.3	3.3	0.3	0.7	1.4	7.1	0.0	3.4	0.0	0.7	0.0	0.2	4
91	80.5054/Tunis/EH 165 A-106	7.0	8.3	0.7	1.0	7.2	14.4	0.0	2.0	1.8	3.0	0.0	0.9	4
92	Barberousse/Rumososa A-160	6.0	7.0	0.3	0.7	4.0	10.5	0.0	4.2	0.0	0.2	0.0	0.2	4
93	FB73.126/3/4259/C15831 A-167	7.7	7.3	0.0	0.3	6.3	15.1	0.0	2.2	1.1	1.9	0.0	0.5	4
94	Franka/Nackta/HJA A33 A-172	8.0	8.3	0.7	1.3	4.0	10.6	2.6	9.1	0.4	1.0	0.0	1.4	2
95	Monroe/Gloria 'S'/Come 'S' A-179	7.0	9.3	0.3	1.0	4.3	12.1	3.1	10.5	0.6	1.2	0.5	0.5	2
96	Schuyler/Matnan 'S' /EH165 A-192	6.7	7.3	0.7	1.0	0.9	9.7	1.3	2.6	0.0	0.4	0.0	0.3	4
97	80.5060/Gloria 'S' A-196	4.3	5.7	0.3	1.3	1.0	12.9	0.0	0.9	0.0	0.2	0.0	0.0	4
98	80.5180/EH165/Cross270 A-199	5.0	7.7	1.0	1.7	2.4	11.1	0.0	0.7	0.0	0.2	0.0	0.0	4
99	Barberousse/Matnan 'S' A-201	8.0	9.0	0.3	0.7	3.0	12.8	3.1	3.1	0.4	0.9	0.0	0.0	4
100	Robur/Matnan 'S' A-207	4.0	6.0	0.3	0.7	7.9	16.2	1.8	3.7	0.0	1.9	0.0	0.8	2
101	Quinn/Encino 'S' A-211	7.3	8.7	0.0	0.3	6.0	15.0	0.6	3.1	0.4	1.1	0.0	0.1	4
102	Franka/4/SP6H/Iris/Cota 'S' A-227	1.7	2.3	0.0	1.0	5.3	9.3	0.0	3.8	0.2	1.2	0.0	0.0	4
103	Franka/6/Mona/Nopal 'S' A-242	7.3	10.3	0.0	1.0	7.2	9.3	0.0	0.9	0.7	0.7	0.0	0.0	4
104	Franka/4/SP 6H/Iris A-245	7.0	9.3	0.0	0.0	2.0	10.1	0.0	2.1	0.0	0.0	0.0	0.0	4
105	Tunis/EH165 A-18	7.3	7.0	0.0	0.0	5.4	11.5	0.0	0.8	0.6	1.1	0.0	0.0	4
106	4259/CI5831/Estate A-69	5.3	5.3	0.0	0.0	3.9	8.6	0.0	0.0	0.2	1.3	0.0	0.0	4
107	Gloria 'S'/Saida 'S' A-122	5.3	9.3	0.0	0.7	2.6	8.9	0.0	0.0	0.0	0.0	0.0	0.0	4
108	Molle 'S'/Matnan 'S'/EH165 A-152	5.3	8.7	0.0	0.7	3.9	11.7	0.0	4.4	0.1	0.1	0.0	0.1	4
109	Abyssinian/CN48 A-174	11.0	11.3	1.3	7.3	6.6	6.8	0.7	1.8	0.0	1.0	0.0	0.1	3

110	Bente/EH165/Cross270.2.3 A-186	1.0	2.3	0.0	0.0	2.0	7.1	0.0	0.0	0.4	1.1	0.0	0.0	4
111	Robur/Egypt20/Gloria 'S' A-189	7.0	9.0	0.7	0.7	3.2	6.9	0.0	0.0	0.0	0.0	0.0	0.0	4
112	Gloria 'S'/Saida/3/Corcho A-190	4.7	7.3	0.7	1.3	5.8	10.8	2.2	6.3	1.0	1.1	0.8	1.7	4
113	Rihane 'S'/3/Corcho 'S' A-198	4.7	5.0	0.0	0.3	1.3	9.6	0.0	0.6	0.0	0.0	0.0	0.0	4
114	Brea 'S'/3/4476W/Emir A-208	8.7	10.0	0.3	4.3	6.6	13.5	4.1	7.7	2.1	3.3	0.6	2.0	2
115	Galt/11012.2//CH/DU/3/A-212	7.0	9.3	0.3	1.3	5.0	14.4	2.7	5.5	0.8	1.2	0.8	1.0	2
116	GTO 'S'/Matnan 'S'/H165 A-216	6.7	8.3	2.0	2.0	4.5	13.7	4.0	4.7	0.9	2.6	0.4	0.3	2
117	U.Sask Harvey 143/Ball163/3/A-225	6.0	10.0	0.3	0.7	4.3	10.7	0.4	8.2	0.0	0.1	0.0	0.0	4
118	MCU33/FZA/TIB/3/P135 A-227	6.3	7.3	0.3	3.7	5.0	14.8	3.7	4.6	1.3	4.6	0.6	1.3	2
119	135/Aramir/Robin/Zephir A-231	8.3	8.3	2.0	2.0	5.7	7.1	1.9	9.5	0.6	1.0	0.1	0.6	2
120	BR6705.1/3/API/CM67/11 A-273	2.7	2.7	0.0	0.3	5.7	8.7	0.0	1.5	0.7	2.0	0.0	0.0	4
121	DL69/Bahtim10/H251 275	10.0	9.7	1.0	1.3	1.9	7.2	0.0	0.0	0.0	0.0	0.0	0.0	4
122	CQ/CER*3/API*2/3/PRO*2 A-277	3.7	7.7	0.0	0.3	3.7	10.5	1.2	5.8	1.4	2.1	0.0	0.3	4
123	Gloria 'S'/Copal 'S'/CI12784 A-34	7.3	7.7	1.0	1.0	3.6	11.1	3.7	6.4	0.3	1.1	0.0	1.2	4
124	Matnan 'S'/EH165 A-56	7.7	7.3	0.3	0.3	3.3	6.5	1.2	8.3	0.3	0.3	0.0	0.0	4
125	PI382934/Lignee640 A-80	8.0	9.0	1.0	3.0	4.8	9.3	3.5	9.1	0.4	1.8	0.0	1.1	2
126	Gloria 'S'/Copal 'S'/Paico SA-107	5.3	8.0	1.0	1.3	3.2	8.5	1.0	6.3	0.3	2.0	0.0	0.1	4
127	BA/GAL/FUN/5/A-124	8.0	9.0	1.3	2.3	3.7	10.0	3.1	6.8	0.4	1.8	0.1	2.1	2
128	Gloria 'S'/Come 'S'/LB Iran A-137	7.0	9.7	1.0	2.0	2.7	9.8	3.5	5.3	1.1	1.9	0.1	0.9	4
129	Molle 'S'/LB Bolivia A-149	9.0	10.3	0.3	1.7	6.4	12.2	1.5	7.3	0.5	1.5	0.1	0.9	2
130	Ruda 'S'/ROW906.73 A-155	9.0	10.7	0.7	1.0	3.5	8.0	1.9	2.7	0.0	0.7	0.0	0.3	4
131	Paico 'S'/LB Iran A-157	8.7	9.3	1.3	4.0	0.5	1.3	0.0	1.5	0.0	0.1	0.0	0.0	4
132	Matico 'S'/LB Bolivia A-163	6.7	10.3	1.0	1.0	3.8	6.0	1.0	4.7	0.0	1.2	0.0	1.4	4
133	Matico 'S'/LB Iran A-164	4.3	8.7	1.0	1.0	2.2	10.7	2.6	5.5	0.1	1.5	0.1	0.4	3

134	Matico 'S'/LB Iran A-170	7.3	7.7	2.0	2.3	2.7	9.7	1.5	5.1	0.0	0.4	0.0	0.2	4
135	Tomillo 'S'/DS 4931 A-172	7.0	8.3	0.3	1.0	4.8	7.8	0.5	2.6	0.8	2.0	0.7	1.4	3
136	SEN 'S'/LB Iran A-285	9.0	10.0	0.3	5.3	5.8	11.5	4.1	10.4	0.1	1.7	0.0	0.7	2
137	Bulk F8(S-81A)48S/Glo-Cop A-289	7.0	10.3	1.0	3.7	6.7	11.4	2.8	3.9	0.5	2.4	0.1	0.4	2
138	MILN 140.41/9845/PYE 'S' A-32	5.7	6.3	0.7	1.0	3.9	10.1	0.7	3.7	0.2	0.6	0.0	0.3	4
139	Anka/2469/Gloria 'S'/Come 'S'	5.0	6.3	1.0	3.7	3.2	13.2	3.8	5.4	0.0	0.0	0.0	0.0	4
140	Robur /142/Astrix	2.7	3.7	0.3	2.3	4.4	9.6	2.0	4.0	0.6	1.4	0.1	0.5	4
141	F1 HJ 17/Maris Otter/Gloria 'S' A-156	5.0	6.0	0.3	1.3	3.0	11.1	0.8	4.7	0.2	0.8	0.0	0.4	4
142	F1 HJ 17/Maris Otter/Valeriana 'S'	6.3	8.3	0.7	3.3	2.7	8.4	2.1	4.1	0.2	0.5	0.0	0.2	4
143	Franca/SM 4142/Nackta	2.3	3.3	1.7	2.0	3.0	6.3	0.7	4.3	0.0	0.4	0.0	0.1	4
144	80.5152/EH 165 A-198	9.0	10.0	1.0	5.0	5.2	6.6	3.5	4.9	0.6	0.8	0.4	1.1	3
145	Armelle/5/Kenya 20	8.3	9.0	0.3	5.3	3.3	7.1	3.8	4.5	0.8	1.7	0.1	1.2	3
146	Franka/3/Mona/Ben/Impala	1.3	3.3	0.7	2.3	6.5	7.2	3.3	5.8	0.9	0.8	0.4	0.9	4
147	Orgei/EH 165/Cross 270.2.3	8.3	10.0	0.3	9.3	6.6	11.2	5.5	7.1	0.4	1.6	0.3	0.7	2
148	Magnum/HLLA 'S'	10.3	10.3	1.0	6.3	2.7	7.2	3.2	5.5	0.4	0.9	0.2	0.7	3
149	Gloria 'S'/Come 'S'/Perle A-29	2.7	3.7	1.0	2.0	3.0	9.3	3.1	6.1	0.9	1.0	0.2	0.4	4
150	FM 437 Gloria 'S'/Come 'S'	6.3	9.7	0.7	5.0	5.7	10.1	4.2	5.9	0.2	0.3	0.0	0.2	2
151	Andromeda	7.0	9.0	3.0	4.0	6.6	11.4	6.3	11.7	2.5	5.7	2.1	2.4	1
152	Athinaida	1.5	2.0	0.3	0.7	4.5	15.1	1.3	1.7	1.5	4.5	0.0	0.0	4
153	Dimitra	2.7	8.7	0.3	1.7	7.2	10.4	5.0	13.5	0.5	3.5	0.1	2.3	2
154	Ippolytos	7.3	9.0	3.0	4.0	6.4	14.2	2.1	10.3	0.0	1.5	0.0	0.0	2
155	Konstantinos	7.0	11.0	2.7	4.7	6.6	13.4	5.7	6.7	0.0	2.0	0.0	0.7	2
156	Kos	8.0	10.0	2.0	4.3	5.4	12.5	5.8	9.8	0.0	1.3	0.0	0.5	2
157	Kypros	5.7	7.7	2.0	2.3	5.5	9.6	5.8	7.8	1.4	2.4	1.0	1.1	2

158	Macedonia	8.7	10.0	2.0	2.7	6.3	10.4	4.5	9.1	0.4	0.8	0.0	0.2	2
159	Niki	6.7	10.3	3.3	3.7	4.9	9.5	6.9	9.3	0.0	0.2	0.0	0.5	2
160	Palaiologos	5.3	9.0	2.0	3.3	4.0	14.8	3.4	9.9	0.1	1.0	0.1	0.6	2
161	Persefoni	4.3	8.3	0.7	2.3	6.9	14.7	5.1	5.7	0.6	3.4	0.0	0.4	2
162	Thermi	7.7	7.3	2.0	2.7	3.0	7.7	6.4	9.1	1.1	1.8	1.0	2.6	2
163	Triptolemos	6.3	8.3	1.0	2.0	5.0	21.4	5.3	9.8	1.2	5.2	0.0	1.5	1
164	Byzantio	5.7	7.3	3.0	3.0	6.9	13.8	5.0	5.9	0.5	0.6	0.0	0.2	2
165	Prestige	8.0	9.7	2.0	2.7	5.4	10.4	8.6	11.4	0.1	1.6	0.0	0.2	2
166	Scarlett	9.3	10.0	2.7	3.3	5.3	19.5	6.9	9.8	1.5	2.7	0.8	0.8	1
167	Thessaloniki	6.3	9.0	0.7	3.7	7.6	10.0	4.8	4.9	0.3	2.2	0.0	0.2	2
168	Alexis	1.7	3.0	1.0	2.3	3.8	7.9	4.7	5.3	0.1	0.6	0.0	0.0	4
169	Beka	0.7	3.3	0.3	1.3	3.2	4.7	2.1	4.4	0.2	0.4	0.0	0.5	4
170	Capri	1.7	2.7	2.7	2.7	6.2	12.1	5.8	8.6	0.7	2.3	0.0	0.6	2
171	Carina	2.0	3.0	1.3	2.0	4.9	10.3	3.0	8.3	0.2	1.1	0.0	0.9	4
172	Claret	4.0	6.7	2.7	2.7	4.4	7.5	6.4	7.3	0.0	1.0	0.0	0.0	4
173	Elassona	9.7	10.3	3.0	3.7	4.6	10.2	2.1	5.8	0.0	0.0	0.0	0.0	3
174	Europa	1.3	3.0	1.3	2.0	2.9	10.5	2.3	6.6	0.1	1.1	0.0	0.1	4
175	Georgie	2.7	4.3	2.7	4.0	4.0	7.5	5.0	5.3	0.1	0.4	0.0	0.4	4
176	Leukonoiko	4.3	5.3	0.3	0.7	5.3	12.9	1.3	7.8	1.8	5.0	0.1	1.6	4
177	Marko	6.7	6.7	0.7	3.7	2.7	3.3	1.2	2.4	0.0	0.0	0.0	0.0	4
178	Nymphe	1.0	3.7	0.7	1.0	2.3	12.3	1.6	3.6	0.1	2.0	0.0	0.0	4
179	Scala	5.3	7.7	3.0	4.0	4.6	9.0	0.0	1.5	0.0	0.0	0.0	0.0	4
180	Syrtaki	1.3	2.7	1.7	2.3	3.1	16.0	2.6	5.7	0.3	1.8	0.1	0.3	4
181	Printa	3.3	7.3	1.7	4.3	4.8	8.5	5.8	9.4	0.1	1.5	0.0	0.0	2

182	Tirano	1.3	1.7	1.0	1.3	5.3	7.2	1.3	5.6	0.2	0.6	0.1	0.2	4
183	Triance	1.7	3.7	1.0	2.7	3.3	7.5	1.1	4.7	0.2	1.2	0.1	0.4	4
184	Tubille 100	6.0	7.7	3.0	4.3	3.5	4.5	2.2	2.9	0.0	0.4	0.0	0.4	4
LSD _{0.05}		2.1			4.2			1.1						

^a 1, tolerant; 2, intermediate tolerant; 3, intermediate susceptible; 4, susceptible.

Non-commercial use only

Table S2. Analysis of variance of barley plant number, tiller number, dry weight (16 WAS), total dry weight (harvest), ear number, grain yield and 1000-grains weight data as affected by growing season, location (saline and non-saline soil) and variety.

Source	DF	Mean square and significance of <i>F</i> ratio ^a						
		PN ^b	TN	DW	TDW	EN	GY	1000-GW
Growing season (GS)	1	88060.6 ***	165293.1 *	8338.0 ns	849.0 ***	1679130.0 ***	1.4 ns	1.0 ns
Location (L)	1	116110.6 ***	9766015.6 ***	500998.5 ***	12072.1 ***	1559844.9 ***	253.8 ***	1063.2 ***
GS x L	1	90300.3 ***	165293.1 *	8338.0 ns	849.0 ***	1679130.1 ***	1.4 ns	23.8 ns
R(LGS)	12	1376.2 ns	53568.8 ns	44326.9 ***	9.8 ns	4806.4 ns	1.1 **	12.0 ns
Variety (V)	15	12189.1 ***	173245.4 ***	240664.3 **	113.3 ***	189501.4 ***	7.3 ***	131.3 ***
GS x V	15	2794.3 ns	9401.1 ns	9372.1 ns	23.4 *	23760.8 ***	0.6 ns	23.7 **
L x V	15	6588.5 ***	69502.1 **	123528.6 ***	50.5 ***	59033.2 ***	11.5 ***	25.7 **
GS x L x V	15	2787.0 ns	9401.1 ns	9372.1 ns	23.4 *	23760.8 ***	0.6 ns	24.4 **
Error	180	1744.9	30913.9	7873.0	11.9	7161.9	0.4	10.4

^a *, significant at the 0.05 level; **, significant at the 0.01 level; ***, significant at the 0.001 level; ns, not significant.

^b PN, plant number; TN, tiller number; DW, dry weight; TDW, total dry weight; EN, ear number; GY, grain yield; 1000-GW, 1000-grains weight.