

Table S1. Mean average trait values of all the faba bean genotypes.

	PH	LA	SPAD	SC	LT	DF	FW	DW	NOP	NOS	SW	Na	K	Na/K	TChL
Hassawi-1-C	40.00	22.38	31.93	363.20	30.33	45.67	0.50	0.06	60.00	127.00	44.82	8.00	23.20	0.34	34.13
Hassawi-2-C	36.00	14.98	40.10	526.34	29.33	42.67	0.39	0.06	33.67	92.33	45.32	14.70	126.00	0.12	33.46
Hssawi-3-C	34.00	10.33	35.40	347.67	29.33	47.33	0.25	0.02	49.00	121.33	39.33	8.30	42.80	0.19	33.50
Triple white-C	29.00	19.06	34.10	347.67	28.33	47.00	0.45	0.04	46.33	99.00	33.73	14.50	34.50	0.42	35.82
ILB-4347-C	32.00	14.29	36.67	439.20	30.20	49.00	0.42	0.03	36.00	69.33	27.72	14.60	75.00	0.19	30.52
Sakha-C	32.00	23.39	31.63	492.89	30.67	44.00	0.58	0.09	32.33	102.33	70.52	18.40	60.20	0.31	30.66
Misr-3-C	23.00	19.31	38.90	617.00	31.13	47.33	0.42	0.14	28.33	68.67	31.56	12.30	44.90	0.27	32.52
FLIP12501FB-C	31.67	31.74	35.23	537.78	31.67	48.00	0.75	0.06	30.33	75.00	39.00	9.60	54.00	0.18	35.00
Sakha-1_C	33.00	14.85	31.20	415.44	31.93	50.00	0.44	0.03	30.33	78.00	33.54	9.40	59.30	0.16	31.85
Gazira-C	44.00	12.51	20.93	346.79	31.83	39.33	0.38	0.03	68.67	186.67	73.39	7.60	39.30	0.19	34.05
FLIP12504FB-C	34.33	24.24	36.13	442.72	30.00	47.33	0.65	0.02	44.00	94.67	24.51	15.20	30.40	0.50	36.25
FLIP12505FB-C	33.33	16.20	40.07	330.06	29.00	47.33	0.55	0.05	23.00	54.00	13.50	8.60	13.30	0.65	30.51
Hassawi-1-S1	35.33	14.63	34.53	361.99	32.67	39.67	0.33	0.03	18.00	64.33	40.34	50.80	59.90	0.85	35.74
Hassawi-2-S1	34.00	19.98	22.07	246.36	32.23	39.67	0.69	0.08	18.67	39.00	28.12	47.60	48.80	0.98	42.22
Hssawi-3-S1	30.00	17.35	24.57	334.42	32.80	40.33	0.55	0.05	25.33	56.67	26.70	51.40	148.00	0.35	40.76
Triple white-S1	29.33	14.70	38.30	438.20	32.87	41.00	0.48	0.05	22.67	46.00	25.50	75.20	69.40	1.08	18.96
ILB-4347-S1	29.67	13.95	29.40	580.78	32.50	41.67	0.44	0.03	20.33	47.67	24.18	36.70	24.80	1.48	25.71
Sakha-S1	27.00	15.51	34.20	529.41	32.67	39.33	0.60	0.06	11.00	34.33	20.12	27.70	42.40	0.65	40.30
Misr-3-S1	33.33	11.40	25.37	554.57	31.67	40.67	0.40	0.03	25.33	35.67	21.33	41.60	31.40	1.32	21.88
FLIP12501FB-S1	32.00	20.01	28.37	481.02	33.00	43.00	0.60	0.07	16.33	41.67	28.57	92.10	103.00	0.89	18.55
Sakha-1-S1	47.00	18.40	24.97	371.59	31.33	45.00	0.55	0.07	21.33	21.33	17.52	95.20	76.10	1.25	19.26
Gazira-S1	25.00	14.89	28.30	310.19	32.17	45.00	0.53	0.05	25.33	33.67	36.11	41.60	30.60	1.36	51.13
FLIP12504FB-S1	30.67	17.04	36.90	396.00	32.33	44.33	0.66	0.04	31.33	63.00	18.63	48.80	58.20	0.84	48.96
FLIP12505FB-S1	24.00	19.47	28.07	295.23	31.33	46.67	0.52	0.05	28.67	62.00	9.05	45.50	70.60	0.64	30.34
Hassawi-1-S2	24.67	15.54	38.93	321.21	32.67	37.00	0.56	0.13	15.33	39.33	9.04	50.20	31.00	1.62	21.45
Hassawi-2-S2	24.00	14.55	31.53	218.61	32.33	39.00	0.62	0.08	23.00	27.67	9.65	45.40	30.60	1.48	17.33
Hssawi-3-S2	31.67	15.80	31.57	296.75	32.00	38.67	0.58	0.10	15.67	38.00	12.21	112.00	37.60	2.98	14.91
Triple white-S2	27.33	11.60	30.80	388.84	32.00	37.33	0.33	0.05	11.33	39.33	10.71	82.60	16.70	4.95	7.65
ILB-4347-S2	30.00	19.50	35.70	515.35	31.00	45.00	0.62	0.05	6.33	32.00	16.50	55.30	52.30	1.06	13.19
Sakha-S2	26.67	18.02	30.00	469.77	31.67	45.00	0.78	0.06	18.00	48.33	12.47	59.90	46.00	1.30	14.95
Misr-3-S2	41.67	15.71	29.77	492.10	31.67	43.00	0.68	0.07	16.00	9.67	10.67	42.00	31.20	1.35	16.01
FLIP12501FB-S2	23.00	24.12	35.03	426.84	32.33	43.00	0.90	0.07	23.33	37.33	7.71	92.50	16.80	5.51	5.57
Sakha-1-S2	27.33	19.38	29.50	329.73	32.67	43.00	0.62	0.03	9.67	25.00	5.96	121.00	32.80	3.69	8.58
Gazira-S2	21.33	13.46	29.00	275.24	32.33	28.67	0.35	0.03	12.67	35.33	11.56	28.60	25.80	1.11	6.56
FLIP12504FB-S2	22.00	15.20	33.17	351.39	31.67	43.00	0.60	0.05	11.00	48.33	5.40	119.00	52.20	2.28	6.55
FLIP12505FB-S2	26.33	17.14	28.10	261.97	31.00	44.00	0.73	0.10	25.33	32.00	7.42	191.00	56.00	3.41	5.12