

**Supplementary Table: 4** Ranking of Genotypes on Mean Productivity (MP), Geometric Mean Productivity (GMP), Drought tolerance Index (TOL), Stress Tolerance Index (STI), Stress Susceptibility Index (SSI), Yield Index (YI) and Yield Stability Index (YSI). *R* denotes Rank.

Code	Geno	GYp	GYs	YR (%)	RGYp	Code	Geno	Gyp	RGYs	Code	Geno	GYs	RMP	Code	Geno	MP	RGMP	Code	Geno	GMP
1	<i>K-01241</i>	1096	897	18	1	20	CH39/08	1296	1	20	CH39/08	1192	1	20	CH39/08	1244	1	20	CH39/08	1243
2	<i>K-01308</i>	1072	863	19	2	19	CH40/09	1232	2	12	K-01211	1000	2	19	CH40/09	1080	2	19	CH40/09	1069
3	<i>K-01242</i>	808	600	26	3	5	<i>CM877/10</i>	1216	3	17	DG-2017	992	3	12	K-01211	1043	3	12	K-01211	1042
4	<i>K-01248</i>	1184	770	35	4	27	CH15/11	1192	4	33	D-13012	952	4	17	DG-2017	1021	4	17	DG-2017	1021
5	<i>CM877/10</i>	1216	624	49	5	4	<i>K-01248</i>	1184	5	9	K002-10	944	5	9	K002-10	1016	5	9	K002-10	1013
6	<i>TG12K10</i>	1168	371	68	6	6	<i>TG12K10</i>	1168	6	19	CH40/09	928	6	26	09AG006	1008	6	26	09AG006	1002
7	<i>TG12K02</i>	952	500	47	7	22	Pb2008	1144	7	1	<i>K-01241</i>	898	7	1	<i>K-01241</i>	997	7	33	D-13012	994
8	K-01216	1024	848	17	8	16	TG12K-07	1136	8	26	09AG006	896	8	33	D-13012	995	8	1	<i>K-01241</i>	992
9	K002-10	1088	944	13	9	26	09AG006	1120	9	11	<b>Noor2013</b>	888	9	27	CH15/11	980	9	2	<i>K-01308</i>	962
10	CH55/09	945	800	15	10	36	D-13011	1112	10	15	CH74/08	881	10	4	<i>K-01248</i>	977	10	27	CH15/11	958
11	<b>Noor2013</b>	1031	888	14	11	23	CH49/09	1104	11	2	<i>K-01308</i>	863	11	2	<i>K-01308</i>	967	11	15	CH74/08	957
12	K-01211	1086	1000	8	12	1	<i>K-01241</i>	1096	12	8	K-01216	848	12	16	TG12K-07	964	12	11	<b>Noor2013</b>	957
13	CH56/09	896	760	15	13	18	<i>QG-1</i>	1096	13	18	<i>QG-1</i>	819	13	28	13029	964	13	4	<i>K-01248</i>	955
14	CH61/09	984	640	35	14	32	<b>Bittel-2016</b>	1096	14	35	BRC-457	817	14	15	CH74/08	960	14	28	13029	949
15	CH74/08	1040	880	15	15	9	K002-10	1088	15	10	CH55/09	800	15	11	<b>Noor2013</b>	959	15	16	TG12K-07	949
16	TG12K-07	1136	792	30	16	12	K-01211	1086	16	37	CH32/10	794	16	18	<i>QG-1</i>	958	16	18	<i>QG-1</i>	948
17	DG-2017	1050	992	6	17	2	<i>K-01308</i>	1072	17	16	TG12K-07	792	17	23	CH49/09	948	17	23	CH49/09	935
18	<i>QG-1</i>	1096	819	25	18	17	DG-2017	1050	18	23	CH49/09	792	18	8	K-01216	936	18	8	K-01216	932
19	CH40/09	1232	928	25	19	15	CH74/08	1040	19	28	13029	792	19	22	Pb2008	936	19	32	<b>Bittel-2016</b>	916
20	CH39/08	1296	1192	8	20	21	DCD	1040	20	38	<i>CM584/09</i>	792	20	32	<b>Bittel-2016</b>	931	20	22	Pb2008	913
21	DCD	1040	688	34	21	33	D-13012	1038	21	34	D-14005	784	21	5	<i>CM877/10</i>	920	21	36	D-13011	895
22	Pb2008	1144	728	36	22	25	CH28/07	1032	22	24	CH10/08	780	22	36	D-13011	916	22	37	CH32/10	888
23	CH49/09	1104	792	28	23	11	<b>Noor2013</b>	1031	23	4	<i>K-01248</i>	770	23	37	CH32/10	893	23	34	D-14005	880
24	CH10/08	888	780	12	24	8	K-01216	1024	24	27	CH15/11	770	24	25	CH28/07	889	24	25	CH28/07	877
25	CH28/07	1032	745	28	25	37	CH32/10	992	25	32	<b>Bittel-2016</b>	766	25	34	D-14005	886	25	5	<i>CM877/10</i>	871
26	09AG006	1120	896	20	26	39	D-13030	992	26	13	CH56/09	760	26	10	CH55/09	872	26	10	CH55/09	869
27	CH15/11	1192	769	35	27	34	D-14005	988	27	40	<b>BK-2011</b>	747	27	21	DCD	864	27	21	DCD	846

28	13029	976	792	19	28	14	CH61/09	984	28	25	CH28/07	746	28	39	D-13030	848	28	40	<b>BK-2011</b>	836
29	AZC	976	701	28	29	28	13029	976	29	22	Pb2008	728	29	40	<b>BK-2011</b>	841	29	39	D-13030	836
30	<i>NIFA-1</i>	848	620	27	30	29	AZC	976	30	36	D-13011	720	30	29	AZC	839	30	35	BRC-457	832
31	D-13036	928	657	29	31	7	<i>TG12K02</i>	952	31	39	D-13030	704	31	24	CH10/08	834	31	24	CH10/08	832
32	<b>Bittel2016</b>	1096	765	30	32	10	CH55/09	944	32	29	AZC	702	32	35	BRC-457	832	32	29	AZC	828
33	D-13012	1037	952	8	33	40	<b>BK-2011</b>	936	33	21	DCD	688	33	13	CH56/09	828	33	13	CH56/09	825
34	D-14005	988	784	21	34	31	D-13036	928	34	31	D-13036	658	34	14	CH61/09	812	34	38	<i>CM584/09</i>	808
35	BRC-457	848	816	4	35	13	CH56/09	896	35	14	CH61/09	640	35	38	<i>CM584/09</i>	808	35	14	CH61/09	794
36	D-13011	1112	720	35	36	24	CH10/08	888	36	5	<i>CM877/10</i>	624	36	31	D-13036	793	36	31	D-13036	781
37	CH32/10	992	794	20	37	30	<i>NIFA-1</i>	848	37	30	<i>NIFA-1</i>	621	37	6	<i>TG12K10</i>	770	37	30	<i>NIFA-1</i>	726
38	<i>CM584/09</i>	824	792	4	38	35	BRC-457	848	38	3	<i>K-01242</i>	601	38	30	<i>NIFA-1</i>	734	38	3	<i>K-01242</i>	697
39	D-13030	992	704	29	39	38	<i>CM584/09</i>	824	39	7	<i>TG12K02</i>	501	39	7	<i>TG12K02</i>	726	39	7	<i>TG12K02</i>	690
40	BK-2011	936	747	20	40	3	<i>K-01242</i>	808	40	6	<i>TG12K10</i>	371	40	3	<i>K-01242</i>	704	40	6	<i>TG12K10</i>	658

RTOL	Code	Genotype	TOL	RSTI	Code	Genotype	STI	RSSI	Code	Genotype	SSI	RYI	Code	Genotype	YI	RYSI	Code	Genotype	YSI
1	6	<i>TG12K10</i>	797	1	20	CH39/08	1.44	1	6	<i>TG12K10</i>	2.8	1	20	CH39/08	1.52	1	35	BRC-457	0.96
2	5	<i>CM877/10</i>	592	2	19	CH40/09	1.06	2	5	<i>CM877/10</i>	2	2	12	K-01211	1.28	2	38	<i>CM584/09</i>	0.96
3	7	<i>TG12K02</i>	451	3	12	K-01211	1.01	3	7	<i>TG12K02</i>	1.9	3	17	DG-2017	1.27	3	17	DG-2017	0.94
4	27	CH15/11	422	4	17	DG-2017	0.97	4	22	Pb2008	1.5	4	33	D-13012	1.21	4	12	K-01211	0.92
5	22	Pb2008	416	5	9	K002-10	0.96	5	27	CH15/11	1.5	5	9	K002-10	1.2	5	20	CH39/08	0.92
6	4	<i>K-01248</i>	414	6	26	09AG006	0.93	6	36	D-13011	1.4	6	19	CH40/09	1.18	6	33	D-13012	0.92
7	36	D-13011	392	7	33	D-13012	0.92	7	14	CH61/09	1.4	7	1	<i>K-01241</i>	1.14	7	24	CH10/08	0.88
8	21	DCD	352	8	1	<i>K-01241</i>	0.92	8	4	<i>K-01248</i>	1.4	8	26	09AG006	1.14	8	9	K002-10	0.87
9	14	CH61/09	344	9	2	<i>K-01308</i>	0.86	9	21	DCD	1.4	9	11	<b>Noor2013</b>	1.13	9	11	<b>Noor2013</b>	0.86
10	16	TG12K-07	344	10	27	CH15/11	0.85	10	16	TG12K-07	1.2	10	15	CH74/08	1.12	10	13	CH56/09	0.85
11	32	<b>Bittel-2016</b>	330	11	15	CH74/08	0.85	11	32	<b>Bittel-2016</b>	1.2	11	2	<i>K-01308</i>	1.1	11	15	CH74/08	0.85
12	23	CH49/09	312	12	11	<b>Noor2013</b>	0.85	12	31	D-13036	1.2	12	8	K-01216	1.08	12	10	CH55/09	0.85
13	19	CH40/09	304	13	4	<i>K-01248</i>	0.85	13	39	D-13030	1.2	13	18	<i>QG-1</i>	1.04	13	8	K-01216	0.83
14	39	D-13030	288	14	16	TG12K-07	0.84	14	23	CH49/09	1.2	14	35	BRC-457	1.04	14	1	<i>K-01241</i>	0.82
15	25	CH28/07	286	15	18	<i>QG-1</i>	0.84	15	29	AZC	1.2	15	10	CH55/09	1.02	15	28	13029	0.81
16	18	<i>QG-1</i>	277	16	23	CH49/09	0.81	16	25	CH28/07	1.1	16	37	CH32/10	1.01	16	2	<i>K-01308</i>	0.81
17	29	AZC	274	17	8	K-01216	0.81	17	30	<i>NIFA-1</i>	1.1	17	16	TG12K-07	1.01	17	37	CH32/10	0.8
18	31	D-13036	270	18	32	<b>Bittel-2016</b>	0.78	18	3	<i>K-01242</i>	1.1	18	23	CH49/09	1.01	18	26	09AG006	0.8
19	30	<i>NIFA-1</i>	227	19	22	Pb2008	0.77	19	18	<i>QG-1</i>	1	19	28	13029	1.01	19	40	BK-2011	0.8
20	26	09AG006	224	20	36	D-13011	0.74	20	19	CH40/09	1	20	38	<i>CM584/09</i>	1.01	20	34	D-14005	0.79

21	2	K-01308	209	21	37	CH32/10	0.73	21	34	D-14005	0.8	21	34	D-14005	1	21	19	CH40/09	0.75
22	3	K-01242	207	22	34	D-14005	0.72	22	40	BK-2011	0.8	22	24	CH10/08	0.99	22	18	QG-1	0.75
23	34	D-14005	204	23	28	13029	0.72	23	26	09AG006	0.8	23	4	K-01248	0.98	23	3	K-01242	0.74
24	1	K-01241	198	24	25	CH28/07	0.72	24	37	CH32/10	0.8	24	27	CH15/11	0.98	24	30	NIFA-1	0.73
25	37	CH32/10	198	25	5	CM877/10	0.71	25	2	K-01308	0.8	25	32	<b>Bittel-2016</b>	0.98	25	25	CH28/07	0.72
26	40	<b>BK-2011</b>	189	26	10	CH55/09	0.7	26	28	13029	0.8	26	13	CH56/09	0.97	26	29	AZC	0.72
27	28	13029	184	27	21	DCD	0.67	27	1	K-01241	0.7	27	40	BK-2011	0.95	27	23	CH49/09	0.72
28	8	K-01216	176	28	40	<b>BK-2011</b>	0.65	28	8	K-01216	0.7	28	25	CH28/07	0.95	28	39	D-13030	0.71
29	15	CH74/08	159	29	39	D-13030	0.65	29	15	CH74/08	0.6	29	22	Pb2008	0.93	29	31	D-13036	0.71
30	9	K002-10	144	30	35	BRC-457	0.64	30	10	CH55/09	0.6	30	36	D-13011	0.92	30	32	<b>Bittel-2016</b>	0.7
31	10	CH55/09	144	31	24	CH10/08	0.64	31	13	CH56/09	0.6	31	39	D-13030	0.9	31	16	TG12K-07	0.7
32	11	<b>Noor2013</b>	143	32	29	AZC	0.64	32	11	<b>Noor2013</b>	0.6	32	29	AZC	0.89	32	21	DCD	0.66
33	13	CH56/09	136	33	13	CH56/09	0.63	33	9	K002-10	0.5	33	21	DCD	0.88	33	4	K-01248	0.65
34	24	CH10/08	108	34	38	CM584/09	0.61	34	24	CH10/08	0.5	34	31	D-13036	0.84	34	14	CH61/09	0.65
35	20	CH39/08	104	35	14	CH61/09	0.59	35	33	D-13012	0.3	35	14	CH61/09	0.82	35	36	D-13011	0.65
36	12	K-01211	86	36	31	D-13036	0.57	36	20	CH39/08	0.3	36	5	CM877/10	0.8	36	27	CH15/11	0.65
37	33	D-13012	86	37	30	NIFA-1	0.49	37	12	K-01211	0.3	37	30	NIFA-1	0.79	37	22	Pb2008	0.64
38	17	DG-2017	58	38	3	K-01242	0.45	38	17	DG-2017	0.2	38	3	K-01242	0.77	38	7	TG12K02	0.53
39	38	CM584/09	32	39	7	TG12K02	0.44	39	38	CM584/09	0.2	39	7	TG12K02	0.64	39	5	CM877/10	0.51
40	35	BRC-457	31	40	6	TG12K10	0.4	40	35	BRC-457	0.2	40	6	TG12K10	0.47	40	6	TG12K10	0.32