Supplementary Table 1. Estimated stress tolerance related indices using grain yield in 102 bread wheat genotypes

Number	Genotype	Y_P (g m^{-2})	Y_S (g m^{-2})	TOL	MP	YI	YSI	STI	GMP	HMP	PEV	SSI	MSTI
1	KC4491	693.9	386.0	298.2	535.1	1.01	0.65	0.60	513.0	492.0	0.43	0.91	1.05
2	KC4571	703.5	446.5	264.7	578.9	1.17	0.56	0.53	563.0	547.6	0.37	0.78	1.40
3	KC4499	762.1	456.5	303.4	608.2	1.20	0.54	0.60	587.6	567.9	0.39	0.83	1.46
4	KC4907	699.4	563.9	154.8	641.3	1.48	0.74	0.69	636.4	631.5	0.21	0.45	2.22
5	KC3894	598.5	322.0	271.4	457.7	0.85	0.53	0.36	436.9	417.1	0.45	0.95	0.72
6	KC4514	693.5	413.0	279.6	552.8	1.09	0.57	0.52	534.8	517.4	0.40	0.84	1.18
7	KC4602	729.5	387.9	352.5	564.1	1.02	0.56	0.57	535.7	508.8	0.47	1.00	1.05
8	KC4863	741.8	502.2	243.8	624.2	1.32	0.73	0.76	610.9	598.0	0.32	0.68	1.77
9	KC4858	703.5	408.3	296.3	556.5	1.07	0.58	0.55	536.3	516.9	0.42	0.88	1.16
10	KC3885	613.6	532.3	101.4	583.0	1.40	0.85	0.61	580.8	578.6	0.16	0.33	1.97
11	KC4803	693.6	382.9	301.8	533.8	1.01	0.52	0.48	511.8	490.7	0.44	0.92	1.02
12	KC4526	706.4	405.4	302.9	556.9	1.07	0.58	0.55	535.7	515.3	0.42	0.89	1.14
13	KC4697	658.9	330.2	359.5	509.9	0.87	0.50	0.42	477.0	446.3	0.52	1.09	0.76
14	KC4582	701.0	383.5	322.2	544.6	1.01	0.53	0.50	520.0	496.5	0.45	0.96	1.03
15	KC2173	700.0	365.4	338.3	534.6	0.96	0.49	0.46	507.0	480.9	0.48	1.01	0.93
16	KC4820	612.1	349.7	269.9	484.7	0.92	0.59	0.42	464.0	444.5	0.43	0.90	0.86
17	KC4827	618.5	304.2	311.3	459.9	0.80	0.52	0.38	432.6	407.0	0.50	1.06	0.64
18	KC3872	604.8	315.5	293.7	462.4	0.83	0.54	0.38	438.3	415.5	0.48	1.01	0.69
19	KC4576	694.4	354.5	339.0	524.0	0.93	0.49	0.45	495.1	467.9	0.48	1.02	0.88
20	KC4844	773.7	356.9	405.7	559.7	0.94	0.43	0.49	519.7	483.1	0.53	1.11	0.91
21	KC4837	699.8	339.3	417.2	547.9	0.89	0.54	0.51	505.3	466.3	0.54	1.15	0.80
22	KC4923	795.2	334.4	419.9	544.3	0.88	0.43	0.52	502.2	463.3	0.55	1.17	0.77
23	KC4523	796.1	345.8	456.2	573.9	0.91	0.42	0.52	526.3	482.8	0.56	1.19	0.83
24	KC4700	795.4	313.6	483.6	555.4	0.82	0.37	0.45	500.0	450.0	0.60	1.27	0.68
25	KC4703	800.6	366.1	440.3	586.3	0.96	0.48	0.59	543.2	503.3	0.54	1.14	0.93
26	KC4497	838.5	320.5	420.3	530.7	0.84	0.38	0.51	486.6	446.4	0.56	1.18	0.71
27	KC4528	610.5	520.9	75.90	558.8	1.37	0.86	0.62	557.5	556.3	0.12	0.26	1.89
28	KC4533	618.2	305.0	310.7	460.3	0.80	0.55	0.40	433.0	407.3	0.50	1.06	0.65
29	KC4585	735.1	296.4	385.3	489.1	0.78	0.42	0.43	449.2	412.7	0.56	1.18	0.61
30	KC1948	785.4	324.5	474.1	561.6	0.85	0.45	0.53	508.7	460.9	0.59	1.24	0.73
31	KC4144	640.8	517.0	147.6	590.8	1.36	0.83	0.65	585.8	581.0	0.22	0.46	1.86
32	KC4830	794.5	309.4	453.5	536.1	0.81	0.40	0.48	485.6	439.9	0.59	1.24	0.66
33	KC4838	722.5	345.7	366.7	529.1	0.91	0.44	0.44	495.7	464.6	0.51	1.08	0.83
34	KC4904	719.6	346.3	387.3	539.9	0.91	0.44	0.44	503.8	470.2	0.52	1.11	0.83
35	KC4530	772.1	331.9	450.2	557.0	0.87	0.41	0.47	509.4	466.0	0.57	1.21	0.76
36	KC4826	727.2	322.3	400.7	522.7	0.85	0.43	0.44	482.6	445.7	0.55	1.16	0.72
37	KC4493	686.1	385.1	296.1	533.2	1.01	0.54	0.49	512.1	492.0	0.43	0.91	1.03
38	KC4504	699.6	308.4	409.4	513.1	0.81	0.41	0.39	470.4	431.4	0.57	1.20	0.66

39	KC4517	684.9	361.4	312.6	517.7	0.95	0.47	0.43	493.0	469.5	0.46	0.96	0.91
40	KC4894	695.4	328.5	361.7	509.4	0.86	0.45	0.42	475.3	443.6	0.52	1.09	0.75
41	KC4503	772.1	406.7	380.8	597.1	1.07	0.52	0.59	565.9	536.4	0.48	1.01	1.15
42	KC2173	718.1	334.6	404.3	536.8	0.88	0.45	0.444	497.2	460.5	0.54	1.15	0.78
43	KC3107	782.1	321.6	477.6	560.4	0.84	0.39	0.46	506.9	458.5	0.59	1.25	0.72
44	KC4521	748.5	312.0	412.6	518.3	0.82	0.43	0.46	475.5	436.2	0.57	1.19	0.67
45	KC4508	791.3	364.8	410.6	570.1	0.96	0.41	0.49	531.2	495.2	0.52	1.11	0.93
46	KC4779	635.4	537.9	141.5	608.6	1.41	0.86	0.66	604.0	599.4	0.20	0.43	2.01
47	KC4783	741.1	345.3	371.5	531.1	0.91	0.44	0.46	496.9	465.0	0.51	1.08	0.83
48	KC4898	598.1	217.0	369.1	401.5	0.57	0.37	0.25	356.6	316.7	0.63	1.32	0.33
49	KC2167	793.7	316.0	477.7	554.9	0.83	0.36	0.46	500.6	451.8	0.60	1.26	0.69
50	KC4641	702.6	545.6	157.0	624.1	1.44	0.73	0.68	618.9	613.8	0.22	0.47	2.08
51	KC4507	755.9	403.8	352.0	579.8	1.06	0.49	0.57	552.3	526.1	0.46	0.97	1.13
52	KC4692	777.5	301.5	476.0	539.5	0.79	0.37	0.42	484.1	434.4	0.61	1.28	0.63
53	KC4543	764.8	370.3	394.4	567.5	0.97	0.45	0.54	532.0	498.8	0.51	1.08	0.95
54	KC3892	806.2	414.2	392.0	610.2	1.09	0.51	0.65	577.8	547.1	0.48	1.02	1.19
55	KC4637	776.0	302.2	473.8	539.1	0.79	0.37	0.49	484.2	434.9	0.61	1.28	0.63
56	KC4966	666.7	280.6	386.0	473.6	0.74	0.39	0.38	432.3	394.6	0.57	1.21	0.54
57	KC4516	727.0	313.6	413.4	520.3	0.82	0.43	0.42	477.3	437.9	0.56	1.19	0.68
58	KC4524	696.0	345.1	350.9	520.5	0.91	0.53	0.55	489.8	460.9	0.50	1.06	0.83
59	KC4880	643.7	547.7	96.00	595.7	1.44	0.81	0.69	593.7	591.7	0.14	0.31	2.08
60	KC4527	799.3	388.7	410.6	594.0	1.02	0.46	0.56	557.2	522.8	0.51	1.08	1.05
61	KC1117	720.7	338.7	381.9	529.7	0.89	0.48	0.41	492.8	458.9	0.52	1.11	0.81
62	KC4793	715.5	374.0	341.5	544.7	0.98	0.53	0.52	517.2	491.0	0.47	1.00	0.97
63	KC4494	700.7	564.3	136.4	632.5	1.48	0.85	0.85	628.6	624.8	0.19	0.41	2.22
64	KC4588	732.7	309.1	423.6	520.9	0.81	0.48	0.45	475.2	433.7	0.57	1.21	0.66
65	KC2178	803.4	295.8	507.6	549.6	0.78	0.38	0.46	487.4	432.3	0.63	1.32	0.61
66	KC4502	643.1	521.2	121.9	582.1	1.37	0.78	0.63	578.8	575.6	0.18	0.39	1.89
67	KC63	760.0	355.8	404.2	557.9	0.93	0.42	0.50	519.7	484.3	0.53	1.11	0.88
68	KC4518	801.7	403.7	398.0	602.7	1.06	0.49	0.61	568.9	537.0	0.49	1.04	1.13
69	KC4890	689.9	554.9	135.0	622.4	1.46	0.76	0.82	618.6	614.8	0.19	0.40	2.14
70	KC4529	698.0	550.9	147.1	624.4	1.45	0.85	0.76	619.8	615.2	0.21	.442	2.11
71	KC4520	731.2	381.5	349.6	556.4	1.00	0.53	0.55	528.1	501.3	0.47	1.00	1.01
72	KC3879	805.5	296.9	508.6	551.2	0.78	0.35	0.43	489.0	433.8	0.63	1.32	0.61
73	KC4870	697.1	507.7	189.4	602.4	1.34	0.69	0.74	594.7	587.1	0.26	0.56	1.79
74	KC4815	728.7	353.4	375.2	541.0	0.93	0.54	0.55	506.8	475.0	0.51	1.08	0.87
75	KC4800	732.8	339.2	393.5	536.0	0.89	0.44	0.45	498.0	462.9	0.53	1.12	0.80
76	KC4689	790.8	231.9	558.9	511.4	0.61	0.30	0.36	428.1	358.5	0.70	1.48	0.37
77	KC4510	684.1	527.0	157.0	605.5	1.39	0.72	0.66	600.2	594.9	0.22	0.48	1.93
78	KC4511	658.0	530.1	127.8	594.0	1.39	0.78	0.66	590.3	586.7	0.19	0.40	1.96
79	KC4505	768.4	347.9	420.5	558.2	0.91	0.41	0.48	515.9	477.2	0.54	1.14	0.85

80	KC4879	786.4	383.3	403.1	584.9	1.01	0.49	0.54	549.0	515.3	0.51	1.07	1.02
81	KC4522	730.9	345.4	385.5	538.1	0.91	0.42	0.44	501.5	467.6	0.52	1.10	0.84
82	KC809	790.9	308.9	482.0	549.9	0.81	0.39	0.47	494.2	444.2	0.60	1.28	0.66
83	KC4506	712.0	350.1	361.9	531.0	0.92	0.44	0.43	498.4	468.0	0.50	1.06	0.86
84	KC4703	785.3	373.2	412.1	579.3	0.98	0.42	0.54	540.8	505.1	0.52	1.10	0.97
85	KC4574	797.4	361.2	436.1	579.3	0.95	0.39	0.47	536.0	496.1	0.54	1.15	0.91
86	KC4498	671.6	560.9	110.7	616.3	1.48	0.74	0.70	613.2	610.2	0.16	0.34	2.19
87	KC4473	769.6	349.3	420.3	559.4	0.92	0.46	0.57	518.3	480.3	0.54	1.14	0.85
88	KC4513	754.2	351.0	403.2	552.6	0.92	0.50	0.58	513.5	477.5	0.53	1.12	0.86
89	KC4871	733.9	379.8	354.0	556.8	1.00	0.43	0.45	527.0	499.0	0.48	1.01	1.01
90	KC4632	798.3	304.0	494.2	551.1	0.80	0.38	0.45	492.6	440.3	0.61	1.30	0.64
91	KC4866	780.4	363.8	416.6	572.1	0.96	0.41	0.47	532.3	495.4	0.53	1.12	0.93
92	KC4791	745.1	289.6	455.5	517.3	0.76	0.38	0.40	464.5	417.0	0.61	1.28	0.58
93	KC4501	649.8	290.2	359.5	470.0	0.76	0.46	0.39	434.1	401.0	0.55	1.16	0.58
94	KC4827	682.7	293.6	389.1	488.1	0.77	0.43	0.39	447.7	410.6	0.57	1.19	0.60
95	KC4554	697.8	524.7	173.1	611.2	1.38	0.77	0.72	605.0	598.9	0.24	0.52	1.91
96	KC4780	642.2	300.0	342.2	471.1	0.79	0.45	0.37	438.8	408.7	0.53	1.12	0.62
97	KC4883	679.8	307.7	372.0	493.7	0.81	0.45	0.39	457.4	423.7	0.54	1.15	0.66
98	KC4840	658.0	544.2	113.8	601.1	1.43	0.78	0.72	598.2	595.4	0.17	0.36	2.06
99	KC4823	725.5	324.7	400.8	525.1	0.85	0.43	0.43	485.2	448.4	0.55	1.16	0.73
100	KC4785	777.9	365.0	412.9	571.4	0.96	0.47	0.54	532.6	496.5	0.53	1.11	0.92
101	Shiraz	811.1	326.5	484.5	568.8	0.86	0.39	0.47	514.6	465.5	0.59	1.25	0.74
102	Bezostaya	666.7	513.3	153.4	590.0	1.35	0.76	0.66	584.8	579.6	0.23	0.48	1.85
	LSD 0.05	92.31	51.23	372.8	144.5	0.73	0.46	0.35	175.7	149.9	0.46	0.96	1.30
	LSD 0.01	114.25	70.07	263.6	102.1	0.52	0.32	0.25	124.2	149.9	0.32	0.68	1.53