

Supplementary Table 1. Effect of salinity stress on seed germination potential of sorghum genotypes

Genotype (G)	T₀	T₁	T₂	T₃	T₄	T₅
G₁	78 ± 1.17	80 ± 0.65	75 ± 1.12	67 ± 0.11	63 ± 0.43	59 ± 0.74
G₂	75 ± 0.43	79 ± 0.11	73 ± 0.67	65 ± 1.02	62 ± 0.86	56 ± 0.57
G₃	74 ± 0.93	76 ± 0.75	69 ± 0.12	64 ± 0.65	60 ± 0.61	50 ± 0.39
G₄	70 ± 0.50	77 ± 0.26	69 ± 0.02	63 ± 0.54	60 ± 0.96	52 ± 0.53
G₅	73 ± 0.79	77 ± 0.34	70 ± 0.26	64 ± 0.28	59 ± 0.08	51 ± 0.12
G₆	72 ± 0.02	76 ± 1.18	68 ± 0.62	63 ± 0.79	58 ± 0.02	52 ± 0.74
G₇	70 ± 0.64	76 ± 0.21	69 ± 0.59	62 ± 0.72	58 ± 0.97	50 ± 0.61
G₈	72 ± 0.12	77 ± 1.28	69 ± 0.70	64 ± 0.94	58 ± 0.57	50 ± 0.49
G₉	74 ± 1.18	77 ± 1.07	68 ± 0.32	64 ± 0.89	60 ± 0.49	52 ± 0.60
G₁₀	71 ± 0.46	77 ± 0.16	68 ± 0.99	62 ± 0.27	58 ± 0.49	50 ± 0.09
G₁₁	70 ± 1.17	75 ± 0.67	70 ± 0.43	63 ± 0.39	57 ± 0.33	50 ± 0.24
G₁₂	73 ± 1.04	77 ± 0.05	69 ± 0.49	63 ± 0.58	58 ± 0.14	50 ± 0.19
G₁₃	71 ± 0.46	77 ± 0.60	69 ± 0.85	64 ± 0.22	58 ± 0.65	50 ± 0.75
G₁₄	74 ± 0.35	76 ± 0.34	69 ± 0.49	62 ± 0.42	59 ± 0.40	51 ± 0.19
G₁₅	73 ± 0.60	78 ± 1.11	70 ± 0.38	63 ± 0.77	58 ± 0.28	51 ± 0.33
G₁₆	70 ± 1.10	77 ± 0.08	69 ± 0.80	64 ± 0.26	59 ± 0.68	51 ± 0.14
G₁₇	69 ± 0.35	76 ± 0.15	69 ± 0.96	64 ± 0.17	59 ± 0.72	50 ± 0.49
G₁₈	70 ± 0.95	77 ± 0.78	69 ± 1.13	63 ± 0.60	58 ± 0.53	50 ± 0.54
G₁₉	71 ± 0.17	76 ± 0.31	68 ± 0.65	63 ± 0.79	60 ± 0.69	51 ± 0.40
G₂₀	72 ± 0.02	78 ± 0.61	68 ± 0.51	63 ± 1.03	59 ± 0.58	52 ± 0.67
G₂₁	74 ± 0.20	75 ± 0.13	68 ± 0.97	64 ± 0.61	58 ± 0.59	52 ± 0.02
G₂₂	70 ± 0.69	75 ± 0.79	68 ± 0.37	64 ± 0.44	57 ± 0.35	50 ± 0.36
G₂₃	71 ± 1.14	77 ± 0.10	70 ± 0.26	62 ± 0.91	58 ± 0.91	50 ± 0.63
G₂₄	73 ± 0.67	77 ± 1.23	69 ± 0.33	63 ± 0.43	58 ± 0.69	51 ± 0.78
G₂₅	72 ± 1.15	76 ± 0.46	69 ± 1.03	63 ± 0.39	59 ± 0.06	52 ± 0.34
G₂₆	76 ± 0.85	80 ± 0.41	72 ± 0.22	65 ± 1.04	64 ± 0.67	54 ± 0.09
G₂₇	73 ± 0.45	76 ± 0.67	69 ± 1.13	63 ± 1.05	58 ± 0.73	51 ± 0.40
G₂₈	71 ± 0.94	77 ± 0.05	70 ± 0.38	63 ± 0.36	57 ± 0.45	50 ± 0.54
G₂₉	78 ± 0.93	81 ± 0.55	72 ± 0.27	65 ± 0.35	63 ± 0.43	53 ± 0.49
G₃₀	74 ± 0.03	75 ± 0.08	70 ± 0.07	63 ± 0.73	58 ± 0.24	52 ± 0.74
G₃₁	77 ± 0.10	80 ± 0.76	71 ± 1.06	66 ± 1.06	61 ± 0.81	54 ± 0.11
G₃₂	71 ± 0.89	76 ± 1.11	69 ± 0.75	64 ± 1.02	58 ± 0.08	51 ± 0.30
G₃₃	77 ± 0.10	81 ± 1.21	72 ± 0.22	66 ± 0.02	62 ± 0.27	53 ± 0.81
G₃₄	79 ± 1.21	82 ± 1.31	77 ± 0.94	69 ± 1.01	65 ± 0.60	61 ± 0.58
G₃₅	71 ± 0.05	76 ± 0.16	69 ± 0.16	63 ± 0.73	59 ± 0.40	51 ± 0.12
G₃₆	73 ± 0.89	75 ± 0.97	70 ± 0.45	64 ± 1.05	60 ± 0.20	51 ± 0.14
G₃₇	74 ± 1.16	75 ± 0.23	68 ± 0.51	64 ± 1.02	59 ± 0.36	50 ± 0.03

G₃₈	70 ± 0.93	76 ± 0.82	69 ± 0.80	62 ± 0.04	59 ± 0.84	52 ± 0.19
G₃₉	71 ± 1.11	77 ± 0.21	69 ± 0.26	63 ± 0.41	60 ± 0.76	50 ± 0.09
G₄₀	70 ± 0.19	77 ± 0.99	68 ± 0.28	62 ± 0.93	58 ± 0.91	50 ± 0.83
G₄₁	73 ± 0.99	76 ± 0.64	68 ± 1.02	63 ± 0.79	59 ± 0.14	52 ± 0.48
G₄₂	74 ± 0.00	76 ± 0.75	70 ± 0.79	63 ± 0.69	57 ± 0.95	50 ± 0.34
G₄₃	71 ± 0.07	76 ± 0.98	69 ± 1.03	62 ± 0.78	57 ± 0.81	50 ± 0.77
G₄₄	73 ± 0.79	77 ± 0.76	69 ± 0.63	62 ± 0.11	60 ± 0.33	50 ± 0.36
G₄₅	70 ± 0.12	76 ± 0.18	69 ± 0.33	63 ± 0.71	58 ± 0.95	50 ± 0.68
G₄₆	71 ± 1.16	75 ± 0.85	69 ± 0.80	63 ± 0.75	58 ± 0.65	50 ± 0.44
G₄₇	78 ± 0.11	80 ± 0.68	71 ± 0.34	64 ± 0.65	62 ± 0.99	53 ± 0.72
G₄₈	77 ± 1.10	81 ± 0.52	75 ± 0.59	66 ± 0.72	64 ± 0.91	59 ± 0.74
G₄₉	72 ± 0.93	75 ± 0.51	68 ± 1.11	62 ± 0.86	57 ± 0.87	51 ± 0.23
G₅₀	78 ± 0.08	82 ± 0.11	74 ± 0.60	67 ± 0.75	62 ± 0.65	58 ± 0.43
G₅₁	69 ± 0.40	76 ± 0.00	68 ± 0.93	64 ± 1.00	59 ± 0.96	50 ± 0.02
G₅₂	70 ± 0.91	76 ± 1.14	70 ± 0.62	63 ± 1.03	57 ± 0.87	52 ± 0.27
G₅₃	71 ± 0.80	76 ± 1.16	69 ± 0.96	62 ± 0.02	60 ± 0.04	51 ± 0.35
G₅₄	72 ± 0.73	77 ± 0.45	69 ± 1.03	64 ± 0.70	58 ± 0.69	51 ± 0.24
G₅₅	74 ± 0.55	77 ± 0.05	69 ± 0.42	63 ± 0.49	58 ± 0.75	52 ± 0.04
G₅₆	70 ± 1.02	77 ± 0.73	69 ± 0.02	63 ± 0.24	58 ± 0.65	51 ± 0.09
G₅₇	71 ± 0.92	77 ± 0.18	69 ± 0.33	64 ± 0.96	59 ± 0.72	52 ± 0.19
G₅₈	73 ± 0.32	77 ± 0.42	68 ± 0.44	64 ± 0.09	58 ± 0.51	50 ± 0.09
G₅₉	72 ± 0.12	78 ± 0.35	68 ± 0.72	62 ± 0.86	58 ± 0.57	52 ± 0.16
G₆₀	74 ± 1.16	76 ± 0.00	70 ± 1.02	63 ± 0.58	60 ± 0.37	52 ± 0.60
G₆₁	73 ± 0.62	78 ± 0.35	69 ± 0.12	62 ± 0.13	59 ± 0.10	51 ± 0.31
G₆₂	71 ± 0.12	76 ± 0.13	69 ± 0.16	63 ± 0.86	59 ± 0.24	52 ± 0.71
G₆₃	70 ± 0.50	77 ± 0.63	70 ± 0.98	63 ± 0.60	59 ± 0.50	52 ± 0.28
G₆₄	71 ± 1.06	76 ± 0.31	69 ± 0.02	62 ± 0.97	58 ± 0.85	50 ± 0.15
G₆₅	72 ± 0.71	75 ± 0.54	70 ± 0.02	62 ± 0.13	59 ± 0.54	52 ± 0.81
G₆₆	74 ± 0.20	78 ± 0.64	68 ± 0.49	62 ± 0.76	60 ± 0.43	50 ± 0.46
G₆₇	70 ± 0.48	78 ± 0.11	70 ± 1.14	64 ± 0.28	60 ± 0.86	52 ± 0.21
G₆₈	71 ± 0.58	78 ± 1.17	69 ± 1.06	63 ± 0.51	59 ± 0.30	52 ± 0.14
G₆₉	73 ± 0.62	75 ± 0.05	69 ± 0.92	64 ± 1.05	58 ± 0.97	50 ± 0.00
G₇₀	72 ± 0.22	77 ± 0.08	69 ± 0.66	63 ± 1.01	58 ± 0.51	52 ± 0.28
G₇₁	73 ± 0.17	75 ± 0.66	70 ± 1.10	62 ± 0.17	58 ± 0.49	52 ± 0.81
G₇₂	73 ± 0.62	76 ± 0.10	68 ± 0.86	64 ± 0.04	60 ± 0.51	50 ± 0.22
G₇₃	71 ± 0.10	77 ± 0.81	70 ± 0.57	64 ± 1.02	58 ± 0.81	52 ± 0.53
G₇₄	69 ± 0.80	76 ± 0.49	69 ± 0.19	62 ± 0.78	57 ± 0.66	52 ± 0.73
G₇₅	70 ± 0.57	75 ± 0.26	68 ± 0.69	63 ± 0.69	58 ± 0.65	52 ± 0.39
G₇₆	71 ± 0.43	78 ± 0.29	68 ± 0.51	63 ± 0.24	58 ± 0.81	50 ± 0.02
G₇₇	72 ± 0.98	75 ± 1.15	68 ± 0.88	64 ± 0.85	59 ± 0.50	52 ± 0.05
G₇₈	74 ± 0.53	78 ± 0.69	70 ± 0.24	62 ± 0.61	58 ± 0.45	52 ± 0.65
G₇₉	70 ± 0.45	76 ± 0.44	70 ± 0.98	63 ± 0.45	59 ± 0.34	52 ± 0.46

G₈₀	71 ± 0.36	78 ± 0.80	68 ± 0.76	64 ± 0.44	59 ± 0.88	51 ± 0.19
G₈₁	73 ± 1.09	75 ± 0.69	70 ± 0.52	64 ± 0.09	58 ± 0.14	52 ± 0.57
G₈₂	72 ± 0.05	77 ± 0.55	68 ± 1.11	63 ± 0.79	60 ± 0.00	52 ± 0.46
G₈₃	73 ± 1.07	77 ± 0.45	69 ± 1.10	63 ± 0.77	59 ± 0.20	50 ± 0.37
G₈₄	73 ± 0.40	77 ± 0.00	69 ± 0.77	63 ± 0.51	60 ± 0.80	51 ± 0.85
G₈₅	71 ± 1.11	76 ± 1.11	69 ± 0.07	64 ± 0.91	59 ± 0.70	51 ± 0.57
G₈₆	69 ± 0.92	76 ± 0.28	69 ± 0.28	64 ± 0.61	60 ± 0.47	50 ± 0.61
G₈₇	70 ± 0.76	75 ± 0.66	70 ± 1.00	63 ± 1.03	59 ± 0.88	51 ± 0.82
G₈₈	71 ± 1.14	78 ± 0.98	69 ± 0.00	63 ± 0.94	59 ± 0.32	52 ± 0.07
G₈₉	72 ± 1.15	77 ± 1.15	69 ± 0.38	62 ± 0.42	60 ± 1.00	51 ± 0.57
G₉₀	74 ± 0.98	77 ± 0.10	69 ± 0.85	63 ± 0.54	58 ± 0.28	52 ± 0.50
G₉₁	70 ± 1.00	77 ± 0.68	69 ± 0.14	63 ± 0.21	59 ± 0.82	52 ± 0.12
G₉₂	71 ± 0.63	76 ± 0.98	69 ± 0.40	64 ± 0.46	57 ± 0.64	50 ± 0.48
G₉₃	73 ± 0.65	77 ± 0.26	69 ± 0.21	62 ± 0.46	58 ± 0.02	51 ± 0.16
G₉₄	72 ± 0.27	78 ± 0.82	69 ± 0.02	63 ± 0.28	57 ± 0.08	51 ± 0.35
G₉₅	73 ± 1.22	77 ± 0.08	69 ± 0.09	63 ± 0.58	58 ± 0.43	51 ± 0.36
G₉₆	73 ± 1.07	77 ± 1.23	69 ± 1.01	64 ± 0.37	59 ± 0.40	50 ± 0.58
G₉₇	71 ± 0.75	76 ± 0.52	70 ± 0.81	63 ± 0.28	58 ± 0.51	51 ± 0.19
G₉₈	69 ± 1.01	75 ± 0.31	69 ± 0.21	63 ± 0.56	59 ± 0.52	52 ± 0.85
G₉₉	74 ± 1.03	78 ± 0.16	69 ± 0.33	62 ± 0.84	58 ± 0.51	50 ± 0.22
G₁₀₀	71 ± 0.60	75 ± 0.71	69 ± 0.05	63 ± 0.30	58 ± 0.30	52 ± 0.18
Mean	72.26	76.84	69.41	63.36	58.97	51.52
SEd	1.07	0.93	0.95	0.95	0.85	0.66
CD (5 %)	2.12	1.84	1.87	1.88	1.68	1.31

Seed germination (Mean ± SE, n = 4) of different treatments (T): (T₀ – Control, T₁ – Hydropriming, T₂ – 50 mM of NaCl, T₃ – 100 mM of NaCl, T₄ – 150 mM of NaCl, T₅ – 200 mM of NaCl. The analysis of variance was carried out and compared by Duncan's multiple range test (DMRT) at 5 % significance level.