

Supplementary Material

Table 3.1 Pooled Analysis of Variance Table for Carotenoids in leaves

Source	DF	SS	MS	F	P
Replication	1	0.00001	6.049E-06		
Variety	5	0.33239	0.06648	36371.4	0.0000
Treatment	1	0.70688	0.70688	386741	0.0000
Variety*treatment	5	0.25757	0.05151	28183.4	0.0000
Error	35	0.00006	1.828E-06		
Total	47	1.29691			

Grand Mean 999.69 CV 0.01 Standard Error: 6.760

*= Significant at 5% probability level, ns = non-significant

Table 3.1a All-Pairwise Comparisons Test of Carotenoids for Variety

Variety	Mean	Homogeneous Groups
2	999.79	A
3	999.78	B
6	999.77	C
4	999.65	D
1	999.64	E
5	999.57	F

Table 3.1b All-Pairwise Comparisons Test of Carotenoids among salt treatments in leaves

Treatment Mean Homogeneous Groups

2	999.82	A
1	999.58	B

Table 3.2: Pooled Analysis of Variance Table for Root Length

Source	DF	SS	MS	F	P
Replication	1	0.023	0.023		
Variety	5	171.944	34.389	579.21	0.0000
Treatment	1	149.425	149.425	2516.77	0.0000
Variety*treatment	5	105.454	21.091	355.23	0.0000
Error	35	2.078	0.059		
Total	47	428.924			

Grand Mean: 8.9581 CV: 2.72 Standard Error: 0.1218

*= Significant at 5% probability level, ns = non-significant

Table 3.2a All-Pairwise Comparisons Test of Root Length for Variety

Variety Mean Homogeneous Groups

4	12.993	A
1	8.800	B
6	8.710	B
3	8.275	C
5	7.890	D
2	7.081	E

Table 3.2b All-Pairwise Comparisons Test of Root Length for treatment

Treatment Mean Homogeneous Groups

2	10.723	A
1	7.194	B

Source	DF	SS	MS	F	P
Replication	1	2.083E-04	0.0002		
Variety	5	63.2496	12.6499	1184.79	0.0000
Treatment	1	1.73280	1.7328	162.29	0.0000
Variety*treatment	5	36.0537	7.2107	675.36	0.0000
Error	35	0.37369	0.0107		
Total	47	101.410			

Grand Mean: 7.3729 CV: 1.40 Standard Error: 0.0517

*= Significant at 5% probability level, ns = non-significant

Table 3.3a All-Pairwise Comparisons Test of Plant Height for Variety

Variety	Mean	Homogeneous Groups
1	9.1875	A
3	8.4875	B
2	7.4488	C
4	6.7125	D
5	6.5013	E
6	5.9000	F

Table 3.3b All-Pairwise Comparisons Test of Plant Height for treatment

Treatment	Mean	Homogeneous Groups
1	7.5629	A
2	7.1829	B

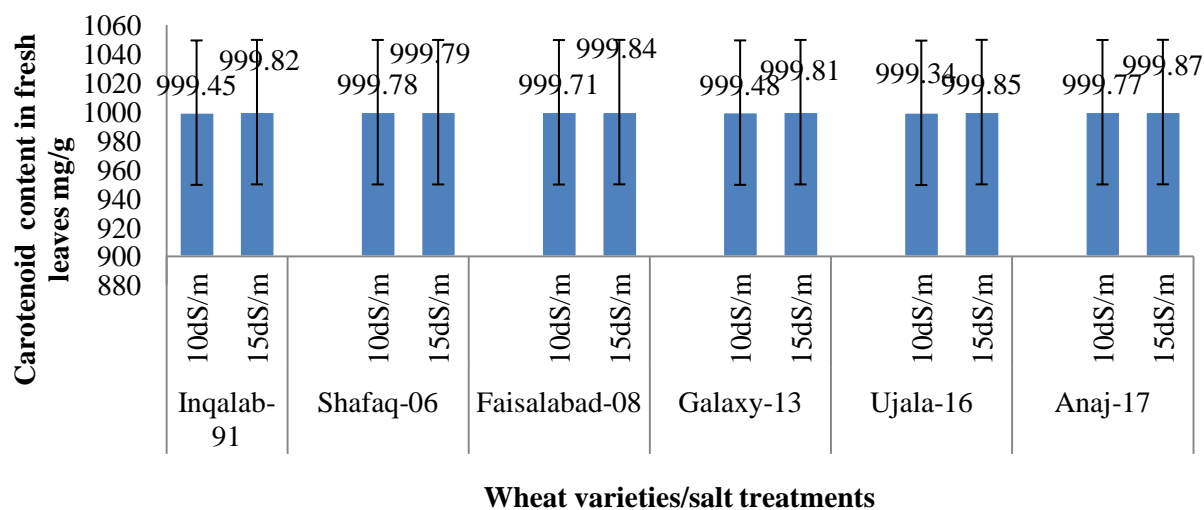


Fig 3.1: Comparison of wheat accessions for leaf carotenoids under two different treatments of salt solution

[Citation: Iqra, L., Rashid, M.S., Ali, Q., Latif, I., Malik A. (2020). Evaluation of genetic variability for salt tolerance in wheat. *Biol. Clin. Sci. Res. J. Volume, 2020: e016*]

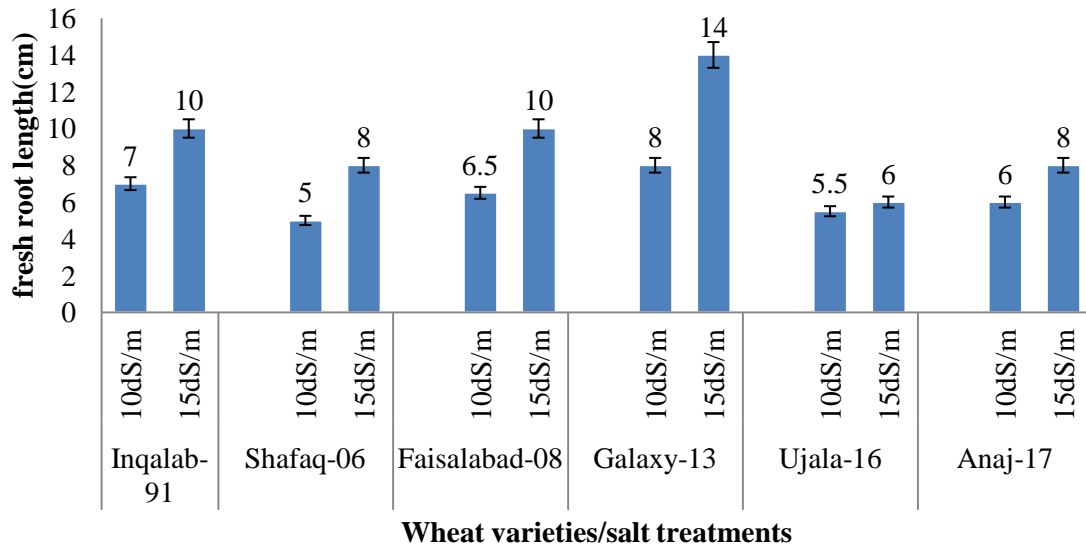


Fig3.2: Comparison of wheat accessions for fresh root length (cm) for two different treatments of salt solution

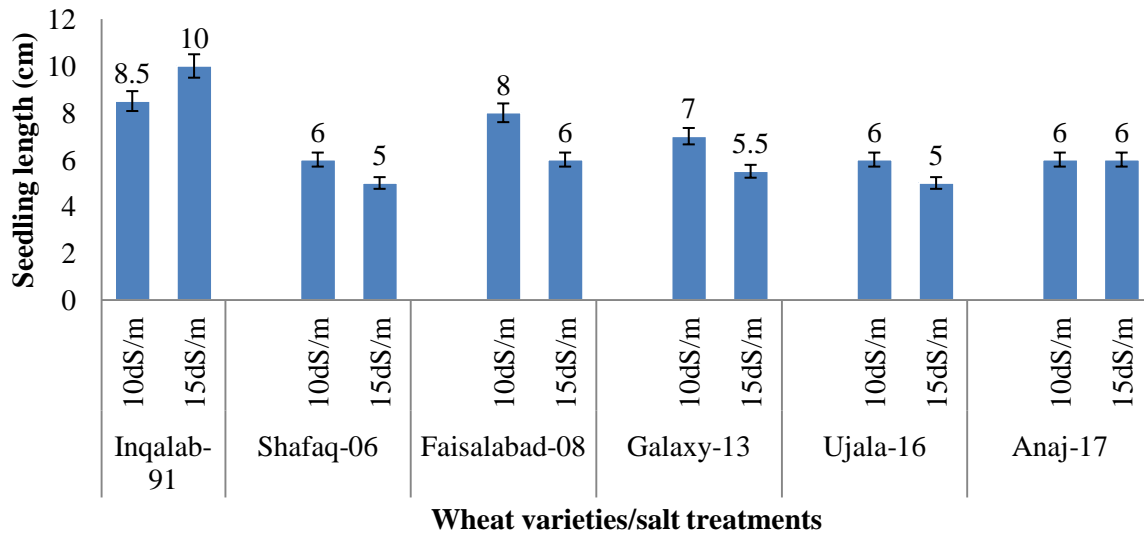


Fig3.3: Comparison of wheat accessions for Plant Height (cm) for two different treatments of salt solution



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