

Marker Assisted Selection for Relative Water Content, Excised leaf Water Loss and Cell Membrane Stability in Cotton

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Sr. No.	Genotype	RWC	ELWL	CMS	<i>qt</i> RWC-1 & <i>qt</i> ELWL1 (NAU-2954)	<i>qt</i> RWC-2 (NAU-2715)	<i>qt</i> RLWC1 (NAU-6672)	<i>qt</i> ELWL (NAU-8406)	<i>qt</i> CMS (NAU-6790)
1	NIAB-111	64.01	2.91	59.91	×	✓	×	✓	×
2	AC-134	61.08	3.31	71.21	×	✓	×	×	×
3	MNH-147	67.90	2.79	58.21	×	✓	✓	×	✓
4	S-12	56.01	3.01	59.02	×	✓	×	×	×
5	124-F	70.91	2.11	70.01	✓	×	×	×	×
6	BH-36	69.92	1.84	58.31	✓	×	×	×	×
7	CIM-448	75.81	2.01	63.21	✓	×	×	×	✓
8	NIAB-999	70.22	2.21	74.38	✓	×	×	×	×
9	CIM-707	71.91	2.87	77.21	✓	✓	×	×	✓
10	BH-160	69.06	2.96	58.92	×	✓	×	×	×
11	149-F	72.18	3.75	51.39	✓	✓	×	×	×
12	M-4	69.93	3.01	52.34	×	×	×	×	×
13	MNH-93	73.21	2.04	51.11	✓	✓	✓	×	×
14	CRIS-134	71.33	2.11	81.34	✓	✓	✓	✓	✓
15	199-F	73.11	1.96	69.02	✓	✓	×	×	×
16	S-14	63.21	2.82	61.93	×	✓	×	×	×
17	CIM-506	68.10	1.79	61.20	✓	×	×	×	×
18	MS-39	66.88	2.59	59.20	✓	✓	×	×	×
19	CRIS-9	56.99	2.41	44.51	×	✓	×	×	×
20	CIM-473	49.21	3.28	48.10	×	×	×	×	×
21	CIM-240	48.08	3.01	51.21	×	×	×	×	×
22	CIM-482	61.21	2.81	49.37	✓	×	×	×	×
23	L.S.S	61.01	2.01	49.32	✓	×	×	×	×
24	CIM-1100	44.09	3.71	68.39	×	×	×	×	×
25	NIAB-78	68.01	2.22	71.77	✓	×	×	×	×
26	FH-1000	47.21	3.09	55.63	×	×	×	×	×
27	FH-900	61.20	2.51	59.43	×	×	×	×	×
28	MNH-552	81.21	2.19	72.15	✓	×	×	✓	✓
29	K-68/9	53.91	3.10	55.69	×	✓	×	×	×
30	MNH-129	55.22	2.81	68.32	×	✓	×	×	×
31	CIM-109	64.91	3.01	48.71	✓	×	×	×	×
32	BH-118	71.01	2.41	46.78	✓	×	×	×	✓
33	B-557	72.31	3.10	64.39	✓	✓	×	×	✓
34	Gomal-93	50.10	2.51	58.31	×	×	×	×	×
35	CIM-499	58.21	2.61	50.04	×	×	×	×	×
36	MS-40	59.19	3.31	70.10	×	✓	×	×	×
37	216-F	48.22	3.91	2.51	×	✓	×	×	×
38	FH-901	53.81	2.81	41.23	×	×	×	×	×
39	268-F	48.11	2.27	49.33	×	✓	×	×	×
40	289-F	70.80	3.91	69.06	✓	×	×	×	×
41	MNH-554	73.02	3.12	68.78	✓	×	×	×	×
42	238-F	69.04	3.45	59.18	✓	×	×	×	×
43	4-F	55.09	3.21	47.69	✓	×	×	×	×
44	CIM-70	68.29	2.71	43.29	✓	×	×	×	×
Pop. Effect		**	**	**					

✓=QTL Present, ×=QTL absent

Table 2: Means for relative water contents (RWC, %), excised leaf water loss (ELWL, g/g), cell membrane stability (CMS %) and Presence of QTLs in 44 selected cotton varieties/genotypes.