Table 33. Aluminum tolerance of lines tested in the 1994 NRPN based on hematoxylin staining of seedling roots. (Data provided by B.F. Carver, Stillwater, OK)

Entry No.	Selection	Stain Intensity(a) Al Concentration (mM) 0.18	0.36	0.72	Rating(b)
1	CI1442	C	C	C	VS
2	CI17439	C	C	C	VS
3	PI511307	P	P	C	I
4	SD89119	P	C	C	MS
5	SD89333	C	C	C	VS
6	SD89153	C	C	C	VS
7	SD89180	C	C	C	VS
8	SD89186	C	C	C	VS
9	SD89205	N	P-	P	T
10	HBC197F	P-/P+	C/P+	C/P+	MS-T*
11	ND8933	N	P-	P	T
12	ND8955	P-/C	C/P-	C/P+	VS-T*
13	ND8889	P-	P-	P+	T
14	ND90109	N	C	C	MS
15	ND8974	N/C	P-/C	C/P	VS-T*
16	ND9043	C	C	C	VS
17	ND9064	C	C	C	VS
18	NE90625	C	C	C	VS
19	NE90616	P	C	C	MS
20	NE91562	P+	C	C	MS
21	NE91631	P-	C	C	MS
22	NE91648	P-	C	C	MS
23	XNH1564	N	P	C	I
24	XNH1727	P-	P+	C	I
25	XNH1772	P+	C	C	MS
26	XNH-1	P-	P-	P+	T
27	XNH-2	C	C	C	VS
28	ID0426	C	C	C	VS
29	ID0355	C/P-	C/P-	C	VS-I*

(a) C, P, and N = complete, partial, and no staining of root tips, respectively; P- and P+ indicate light and dark intensity, respectively, of partial staining.

(b) VS = very susceptible, MS = moderately susceptible, I = intermediate and T = tolerant (0.72 mM Al); * = heterogeneous response; predominant stain intensity listed first for each Al concentration.