

Appendix B Amylose content in 18 high-amylose maize hybrids and their progeny

Source	Amylose %	Source	Amylose %	Source	Amylose %
Male (bs14194)	52.00±0.45 <sup>a</sup>	Male (bs14194)	52.00±0.45 <sup>a</sup>	Male (bs14194)	52.00±0.45 <sup>bc</sup>
Female (as1462)	50.46±0.16 <sup>a</sup>	Female (as14162)	47.25±0.85 <sup>b</sup>	Female (bs14241)	53.79±1.10 <sup>b</sup>
F <sub>1</sub>	50.46±0.67 <sup>a</sup>	F <sub>1</sub>	43.68±0.17 <sup>b</sup>	F <sub>1</sub>	56.76±0.51 <sup>a</sup>
F <sub>2</sub>	52.24±1.18 <sup>a</sup>	F <sub>2</sub>	46.00±1.19 <sup>c</sup>	F <sub>2</sub>	50.82±0.84 <sup>c</sup>
Male (bs14141)	50.58±0.52 <sup>a</sup>	Male (ba14141)	50.58±0.52 <sup>a</sup>	Male (bs14141)	50.58±0.52 <sup>bc</sup>
Female (as1462)	50.46±0.16 <sup>a</sup>	Female (as14162)	47.25±0.85 <sup>b</sup>	Female (as14163)	54.15±0.69 <sup>a</sup>
F <sub>1</sub>	44.40±0.50 <sup>c</sup>	F <sub>1</sub>	48.32±0.68 <sup>b</sup>	F <sub>1</sub>	50.10±0.16 <sup>c</sup>
F <sub>2</sub>	47.61±0.84 <sup>b</sup>	F <sub>2</sub>	51.47±0.42 <sup>a</sup>	F <sub>2</sub>	52.24±0.84 <sup>b</sup>
Male (bs14191)	49.75±0.11 <sup>b</sup>	Male (bs14191)	49.75±0.11 <sup>c</sup>	Male (bs14201)	56.64±0.79 <sup>a</sup>
Female (as14163)	54.15±0.69 <sup>a</sup>	Female (as14151)	58.31±0.55 <sup>a</sup>	Female (as14163)	54.15±0.69 <sup>a</sup>
F <sub>1</sub>	36.19±0.34 <sup>d</sup>	F <sub>1</sub>	49.39±0.51 <sup>c</sup>	F <sub>1</sub>	55.45±1.01 <sup>a</sup>
F <sub>2</sub>	39.64±1.18 <sup>c</sup>	F <sub>2</sub>	53.78±0.00 <sup>b</sup>	F <sub>2</sub>	49.45±1.19 <sup>a</sup>
Male (bs14201)	56.64±0.79 <sup>a</sup>	Male (bs14211)	53.08±0.44 <sup>a</sup>	Male (bs14211)	53.08±0.44 <sup>a</sup>
Female (as14161)	40.71±0.25 <sup>c</sup>	Female (as1462)	50.46±0.16 <sup>b</sup>	Female (as14162)	47.25±0.85 <sup>c</sup>
F <sub>1</sub>	49.75±0.34 <sup>b</sup>	F <sub>1</sub>	49.75±0.67 <sup>bc</sup>	F <sub>1</sub>	50.34±0.17 <sup>b</sup>
F <sub>2</sub>	48.68±1.18 <sup>b</sup>	F <sub>2</sub>	49.21±0.25 <sup>c</sup>	F <sub>2</sub>	50.22±0.17 <sup>b</sup>
Male (bs14211)	53.08±0.44 <sup>ab</sup>	Male (bs14211)	53.08±0.44 <sup>b</sup>	Male (bs14241)	53.79±1.10 <sup>a</sup>
Female (as14163)	54.15±0.69 <sup>a</sup>	Female (as14151)	58.31±0.55 <sup>a</sup>	Female (as1462)	50.46±0.16 <sup>b</sup>
F <sub>1</sub>	51.77±0.84 <sup>b</sup>	F <sub>1</sub>	47.61±0.01 <sup>d</sup>	F <sub>1</sub>	46.89±1.01 <sup>c</sup>
F <sub>2</sub>	50.04±0.08 <sup>c</sup>	F <sub>2</sub>	51.11±0.82 <sup>c</sup>	F <sub>2</sub>	46.42±0.45 <sup>c</sup>
Male (bs14241)	53.79±1.10 <sup>a</sup>	Male (bs14241)	53.79±1.10 <sup>a</sup>	Male (bs14241)	53.79±1.10 <sup>b</sup>
Female (as14162)	47.25±0.85 <sup>c</sup>	Female (as14163)	54.15±0.69 <sup>a</sup>	Female (as14151)	58.31±0.55 <sup>a</sup>
F <sub>1</sub>	47.37±0.67 <sup>c</sup>	F <sub>1</sub>	50.94±0.33 <sup>b</sup>	F <sub>1</sub>	54.86±0.51 <sup>b</sup>
F <sub>2</sub>	50.10±0.81 <sup>b</sup>	F <sub>2</sub>	51.11±1.10 <sup>b</sup>	F <sub>2</sub>	58.78±0.79 <sup>a</sup>

The results were expressed as mean value ± standard error. Different letters in each group indicate significant differences ( $P < 0.05$ ) according to LSD Test.