

Supplementary Table 1 Evaluation of grain quality traits of selected advance backcross lines

Line Code	Background	Generation	Amylose content	Gel temperature	Gel consistency	%Protein
ABL 1	Os	BC <sub>3</sub> F <sub>5,6</sub>	13.2	L	100	10.12
ABL 2	Os	BC <sub>4</sub> F <sub>5,6</sub>	10.4	L	100	12.26
ABL 3	Os	BC <sub>4</sub> F <sub>5,6</sub>	12.8	L	100	11.42
ABL 4	Os	BC <sub>4</sub> F <sub>5,6</sub>	11.5	L	82	12.14
ABL 5	Hal	BC <sub>3</sub> F <sub>5,6</sub>	12.7	L	100	10.83
ABL 6	Hal	BC <sub>3</sub> F <sub>5,6</sub>	13.1	L	93	11.36
ABL 7	Hal	BC <sub>3</sub> F <sub>5,6</sub>	12.8	L	96	11.19
ABL 8	Hal	BC <sub>3</sub> F <sub>5,6</sub>	12.5	L	100	11.42
ABL 9	Hal	BC <sub>3</sub> F <sub>5,6</sub>	12.9	L	100	10.47
ABL 10	Hal	BC <sub>3</sub> F <sub>5,6</sub>	12.2	L	100	11.36
ABL11	Hal	BC <sub>3</sub> F <sub>5,6</sub>	11.6	L	95	11.19
Osmancik-97	RP	-	11.7	L	95	12.14
Halilbey	RP	-	14.5	L	90	11.96
IR83260-1-1-1-5-B-3-1-2	Donor	-	14.9	L	100	11.78

Note: Hal=Halilbey; Os=Osmancik-97; RP=recurrent parent; L=low spreading value