Table 4: Relative proportion of the gliadins and gluteins present in T2 seeds from the lines in class #1 intended for release. All data is expressed as a % of total seed protein content and the errors given are standard error form 3 independent determinations.

Fraction	Line								
	Controls		Transgenics						
			gamma RNAi				alpha RNAi		
Line name	b3.3	2D2 3.1 O	1C2 1.1 C	2A1 1.1 B	2D2 3.1b O	5b2 2.1 7	3c1 2.1c	4d3 1.1m	
% protein	13.8	14.6	19.5	11.3	13.5	12.7	19.5	10.9	
HMW-GS	6.8 ± 0.5	6.9 ± 1.8	11.6 ± 1.4	11.0 ± 1.0	12.8 ± 0.6	15.8 ± 0.1	10.1 ± 1.4	7.0 ± 0.8	
LMW-GS	16.3 ± 0.5	17.3 ± 1.8	20.4 ± 1.4	21.0 ± 1.0	23.2 ± 0.6	26.0 ± 0.2	21.3 ± 1.3	19.8 ± 0.8	
α/β gliadins	24.7 ± 0.8	24.1 ± 1.0	33.8 ± 0.6	34.4 ± 0.5	31.4 ± 0.7	34.2 ± 0.3	14.3 ± 2.2	22.9 ± 0.1	
γ gliadins	19.8 ± 0.8	20.5 ± 1.3	4.8 ± 0.7	3.4 ± 0.9	5.2 ± 0.9	2.7 ± 0.1	18.8 ± 1.3	20.1 ± 0.9	
ω gliadins	9.2 ± 0.3	9.1 ± 0.8	10.6± 0.1	10.8 ± 1.4	10.5 ± 0.3	10.9 ± 0.1	12.1 ± 0.9	10.1 ± 0.9	

Table 5: Relative proportion of the gliadins and gluteins present in T3 seeds from the lines in class #1 intended for release. All data is expressed as a % of total seed protein content and the errors given are standard error form 3 independent determinations. Note the T3 seeds from line 5b2 2.1 7 have note been analysed by HPLC yet, however, ACID-PAGE analysis of the gliadin composition indicates that the gamma gliadins are suppressed.

Fraction	Line								
	Con	trols	Transgenics						
				gamm	alpha RNAi				
Line name	b3.3	2D2 3.1 O	1C2 1.1 C	2A1 1.1 B	2D2 3.1b O	5b2 2.1 7	3c1 2.1c	4d3 1.1m	
% protein	13	12.9	14.4	13.3	11.9		14	12.1	
HMW-GS	7.4 ± 0.1	8.4 ± 0.2	12.8 ± 0.8	11.6 ± 0.3	11.3 ± 0.1		10.3 ± 0.1	6.9 ± 0.1	
LMW-GS	15.0 ± 0.1	16.8 ± 0.2	21.5 ± 0.5	21.5 ± 1.0	20.1 ± 0.1		19.9 ± 0.1	14.6 ± 0.1	
α/β gliadins	24.5 ± 0.1	26.2 ± 0.3	31.7 ± 0.5	31.9 ± 0.3	29.7 ± 0.1		16.3 ± 0.1	24.6 ± 0.1	
γ gliadins	18.9 ± 0.2	16.0 ± 0.2	4.6 ± 0.1	3.9 ± 0.6	6.3 ± 0.2		18.8 ± 0.1	19.0 ± 0.1	
ω gliadins	9.3 ± 0.1	9.2 ± 0.1	10.0 ± 0.2	₫ 0x1 ± 0.2	9.9 ± 0.1		9.4 ± 0.1	9.4 ± 0.1	

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Table 6: Analysis of composition of T3 seeds from the SMEA RNAi lines relative to negative segregant lines. After weighing, seeds were pooled and milled to wholemeal flour for component analyses. Data are expressed as percentage of seed weight and are the mean of three technical replicates (SD = standard deviation). hp and NS positive and negative segregants respectively.

line	100 seeds (g) (SD)	total protein (SD)	total starch (SD)	
3A-1-1 hp	5.16 (0.68)	19.31 (1.54)	56.45 (2.85)	
3A-1-1 NS 3F-1 hp 3F-1 NS	5.37 (0.67) 5.16 (0.37) 5.10 (0.48)	20.66 (1.77) 16.83 (1.48) 16.36 (1.34)	56.63 (1.45) 63.45 (0.56) 62.81 (3.87)	

,	conden profitise (barrey control)	Colden remite (Table and Inc.)	BC10 5 (Balow transports in the N	TA Willean war a Serie mile)	H7 (Mheat transgenie line)	12 (Wheat transpenic line)	85 20 Milhout transport	Line name
	6.5	0 0	n 8.	8.2	2 7	7 .5	2 3	Mo (% o
	6.1	5.5	8.5	8.2	4.	2 8.4	. R	Moisture (% of flour)
	0.9	1.6	0.7	0.8	Ξ	<u>, </u>	R	Su:
	:	1.7	0.6	0.7	1.2	1.0	R2	Sucrose (% of flour)
	0.1	0.1	0	0.1	0.2	0	R	Fru (% o
	0.1	0.1	0	0.1	0.2	0	R2	Fructose (% of flour)
	0.1	0	0	0	0	0	<i>P</i> .	Glu (%of
	0.1	0	0	0	0	0	R ₂	Glucose (%of flour)
	2.3	2.4	2.3	1.7	1.9	0 2.4 2.2	R.	(% o
	2.3	2.5	1.9	1.8	1.8	2.2	R2	sh f flour)
	9.0	12.3	12.7	12.1	11.2	15.8	R1	Pro
	9.2	12.2	13.2	12.0	11.3	15.2	R2	Protein
	3.1	4.9		3. 3			R1 (30	Tota
	<u>ω</u>	5.0	2.8	3.5	4.5	3.7	R1 R2	FAT

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