

Table S3. Percentage of glutamine, proline and essential amino acids in the γ -gliadin proteins deduced from the seven full-length genes identified in the durum wheat cv. Svevo. Percentages were calculated using Expasy ProtParam tool [21].

	Gln	Pro	His	Ile	Leu	Lys	Met	Thr	Phe	Trp	Val	Total essential amino acids
Gli-γ1a	32.7	17.1	1.2	5.9	6.9	0.9	2.2	3.7	5.6	0.3	4.4	31.1
Gli-γ3a	30.5	16.1	1.1	6.0	6.7	0.7	2.8	3.2	5.3	0.4	4.9	31.1
Gli-γ4a	30.5	16.1	1.1	6.3	6.7	0.7	2.8	2.8	5.3	0.4	4.9	31.0
Gli-γ1b	29.1	16.6	2.3	6.0	7.0	1.0	2.3	4.6	5.3	0.3	4.0	32.8
Gli-γ2b	29.4	16.2	1.4	6.1	7.8	1.0	2.4	3.4	5.1	0.7	4.4	32.3
Gli-γ3b	34.1	15.9	1.5	6.1	7.9	0.9	2.1	3.7	4.9	0.9	3.7	31.7
Gli-γ5b	30.2	15.1	1.4	6.9	8.2	1.4	2.1	3.1	4.5	0.7	5.5	33.8