

Table S2. *TaGRF3-2A* alleles and GRF3 protein isoforms in wheat accessions

Species	Accession	Allele	Protein isoform	Sequence source*
<i>T. aestivum</i>	Al-Murug	a.2	A	S
<i>T. aestivum</i>	Altigo	a.4	A	S
<i>T. aestivum</i>	ArinaLrFor	a.3	A	G
<i>T. aestivum</i>	Cadenza	a.3	A	G
<i>T. aestivum</i>	CDC Landmark	a.10	A	G
<i>T. aestivum</i>	CDC Stanley	a.14	A	G
<i>T. aestivum</i>	Chinese Spring	a.1	A	G
<i>T. aestivum</i>	Claire	a.11	A	G
<i>T. aestivum</i>	Grom	a.4	A	S
<i>T. aestivum</i>	Iraq	a.7	A	S
<i>T. aestivum</i>	Jagger	a.5	A	G
<i>T. aestivum</i>	Julius	a.3	A	G
<i>T. aestivum</i>	Lancer	a.9	A	G
<i>T. aestivum</i>	Mace	a.5	A	G
<i>T. aestivum</i>	Norin 61	a.15	A	G
<i>T. aestivum</i>	Paragon	a.13	A	G
<i>T. aestivum</i>	Robigus	a.1	A	G
<i>T. aestivum</i>	Romy	a.1	A	S
<i>T. aestivum</i>	Saratovskaya 29	a.8	A	S
<i>T. aestivum</i>	Sila	a.2	A	S
<i>T. aestivum</i>	SY Mattis	a.12	A	G
<i>T. aestivum</i>	Tamuz 3	a.2	A	S
<i>T. aestivum</i>	Velena	a.6	A	S
<i>T. aestivum</i>	Alekseich	b.1	B	S
<i>T. aestivum</i>	Doka	b.1	B	S
<i>T. aestivum</i>	Fisht	b.2	B	S
<i>T. aestivum</i>	L.2877k58	b.4	B	S
<i>T. aestivum</i>	Proton	b.1	B	S
<i>T. aestivum</i>	Stan	b.2	B	S
<i>T. aestivum</i>	Starshina	b.5/b.2	B	S
<i>T. aestivum</i>	Vassa	b.3	B	S
<i>T. aestivum</i>	Vid	b.1	B	S
<i>T. aestivum</i>	Novosibirskaya 67	d.1	D	S
<i>T. dicoccoides</i>	Zavitan (wild emmer wheat)	a.16	A	G
<i>T. durum</i>	Kronos (durum wheat)	a.1	A	G
<i>T. spelta</i>	PI190962 (spelt wheat)	a.17	A	G
<i>T. urartu</i>	PI428198 (einkorn wheat)	c.1	C	G

T. aestivum = *Triticum aestivum* L. subsp. *aestivum*; *T. sphaerococum* = *Triticum aestivum* L. subsp. *sphaerococum* (Percival) Mac Key; *T. urartu* = *Triticum urartu* Tumanian ex Gandilyan; *T. dicoccoides* = *Triticum turgidum* ssp. *dicoccoides*; *T. durum* = *Triticum turgidum* L. subsp. *durum* (Desf.) van Slageren; *T. spelta* = *Triticum aestivum* L. subsp. *spelta* (L.) Thell.

* S – the original sequences obtained by the authors (see Materials and methods); G – the sequences found by BLAST search in previously sequenced and assembled genomes.

Table S3. Frequencies of *GRF3-2A* alleles among sequenced¹ wheat accessions

Alleles of <i>GRF3-2A</i>	Allele frequencies for			
	all accessions	all bread wheat (<i>T. aestivum</i> ssp. <i>aestivum</i>)	bread wheat from Lukyanenko National Grain Center (Krasnodar)	bread wheat from other sources (not from Krasnodar)
a.1	0.11	0.09	0.00	0.14
a.2	0.08	0.09	0.09	0.10
a.3	0.08	0.09	0.00	0.14
a.4	0.05	0.06	0.09	0.05
a.5	0.05	0.06	0.00	0.10
a.6	0.03	0.03	0.09	0.00
a.7	0.03	0.03	0.00	0.05
a.8	0.03	0.03	0.00	0.05
a.9	0.03	0.03	0.00	0.05
a.10	0.03	0.03	0.00	0.05
a.11	0.03	0.03	0.00	0.05
a.12	0.03	0.03	0.00	0.05
a.13	0.03	0.03	0.00	0.05
a.14	0.03	0.03	0.00	0.05
a.15	0.03	0.03	0.00	0.05
a.16	0.03	0.00	0.00	0.00
a.17	0.03	0.00	0.00	0.00
b.1	0.11	0.12	0.36	0.00
b.2	0.07	0.08	0.18	0.00
b.3	0.03	0.03	0.09	0.00
b.4	0.03	0.03	0.09	0.00
b.5	0.01	0.02	0.00	0.00
c.1	0.03	0.00	0.00	0.00
d.1	0.03	0.03	0.00	0.05
Number of accessions	37	33	12	21

¹ – *GRF3-2A* gene was target-sequenced for these accessions or sequence of it was obtained from available genome sequence.