

Genomic constitution of conventional and ancient wheats and their relatives

Table 1. Genomic constitution of wheats and their relatives.

Species	Genome constitution	Common name
Diploid ($2n = 14$)		
<i>Triticum boeoticum</i> , Boiss. emend. Schiem.	AA	Wild einkorn
<i>T. aegilopoides</i> Link Bal.		Single grain einkorn
<i>T. thaouidar</i> Reuter		Two grain einkorn
<i>T. urartu</i> Tuman		Two grain einkorn
<i>Triticum monococcum</i> L.	AA	Einkorn (cultivated)
<i>Triticum speltoides</i> (Tausch) Gren. Ex Richter	BB	Wild grass
<i>Triticum tripsacoides</i> (Jaub. & Spach) Bowden	BB	Wild grass
<i>Triticum searsii</i> (Feldman & Kislev) Feldman, comb. nov.	BB	Wild grass
<i>Triticum tauschii</i> (Coss) Schmal. (<i>Ag. squarerosa</i>)	DD	Wild grass
<i>Secale cereale</i> L.	RR	Rye (cultivated)
Tetraploid ($2n = 28$)		
<i>Triticum turgidum</i> L. group <i>dicoccoides</i> (Korn, in litt. in Schweinf.) Bowden	AABB	Emmer (wild)
<i>Triticum turgidum</i> L. group <i>dicoccum</i> , (Schrank) Thell.	AABB	Emmer (cultivated)
<i>Triticum turgidum</i> L. group Durum Desf.	AABB	Durum
<i>Triticum turgidum</i> , ssp. <i>turanicum</i> ^z	AABB	Kamut
<i>Triticum turgidum</i> , ssp. <i>polonicum</i>	AABB	Polish wheat
Hexaploid ($2n = 42$)		
<i>Triticum spelta</i> , L.	AABBDD	Spelt (cultivated)
<i>Triticum aestivum</i> L. (em. Thell.)	AABBDD	Common wheat (cultivated)
<i>xTriticosecale</i> (Wittmack) ^y	AABBRR	Triticale

^zSuggested species, sub-species, Kamutreg. registered trademark of Kamut International.

^yMost triticale cultivars are hexaploid but can be octaploids or tetraploids.