

Table 1 Suppl. *Triticum* and other species used in this study. Asterisks indicate materials used in analysis of fluorescence *in situ* hybridization. The *GenBank* accession numbers (MH618687-MH618756) were obtained in this study whereas the other *GenBank* accessions originate from previously published sequences in *GenBank* (<http://www.ncbi.nlm.nih.gov>). Number - No. in Fig. 1 Suppl.

Taxon (abbreviation)	Accession No.	Origin	Genome	Genbank ID	Number
<i>T. turgidum</i> ssp. <i>durum</i> (TDU)	Citr14144*	India	AB	MH618750- MH618751	1-2
	Citr1515	Russian Federation		MH618754- MH618755	3-4
	Citr14433*	Ethiopia		MH618752- MH618753	5-6
	Citr 14270	Canada		MH618756	7
	AS2234	China		MH618748- MH618749	8-9
<i>T. turgidum</i> ssp. <i>dicoccon</i> (TDC)	Citr14621	Ethiopia	AB	MH618738	10
	PI427274*	India		MH618734	11
	PI470737	Turkey		MH618736- MH618737	12-13
	Citr3686*	United States		-	
	PI79899	China		MH618735	14
<i>T. turgidum</i> ssp. <i>dicoccoides</i> (TDI)	AS841*	Israel	AB	MH618716- MH618717	15-16
	AS835	Israel		MH618718- MH618719	17-18
	AS847	Israel		MH618715	19
	PI470947*	Israel		-	
<i>T. turgidum</i> ssp. <i>polonicum</i> (TPO)	AS302	China	AB	MH618692	20
	PI366117*	-		-	
	PI349052	Azerbaijan		MH618689- MH618691	21-22
	PI210845	Iran		MH618687	23
	AS304*	China		MH618693	24
	AS2232	China		MH618688	25
<i>T. turgidum</i> ssp. <i>carthlicum</i> (TCA)	PI115816*	Georgia	AB	MH618742- MH618743	26-27
	PI532494	Turkey		MH618739- MH618741	28-29
	PI387696*	Ethiopia		MH618744	30
	PI532509	Canada		MH618745	31
	PI190949	Portugal		MH618746- MH618747	32-33
<i>T. turgidum</i> ssp. <i>turgidum</i> (TTU)	PI191145*	Spain	AB	MH618709	34
	PI166484	Turkey		MH618703- MH618704	35-36
	PI94689	Armenia		MH618707- MH618708	37-38
	AS2233	China		MH618705	39
	AS2255*	China		MH618706	40
<i>T. turgidum</i> ssp. <i>turanicum</i> (TTR)	PI481582*	Iraq	AB	-	
	PI184526	Hungary		MH618732- MH618733	41-42
	PI306665	Morocco		MH618727- MH618728	43-44
	AS2229*	China		MH618729	45
	AS2279	China		MH618730- MH618731	46-47
<i>T. turgidum</i> ssp. <i>paleocolchicum</i> (TPA)	PI330553	England	AB	MH618700- MH618701	48-49
	PI349050*	Georgia		MH618702	50
<i>T. turgidum</i> ssp. <i>ispahanicum</i> (TIS)	PI352494	Iran	AB	MH618710	51
	PI330548*	England		MH618713- MH618714	52-53
	PI572904*	Iran		MH618711- MH618712	54-55
<i>T. timopheevii</i> ssp. <i>timopheevii</i> (TTI)	PI282933*	Argentina	AG	-	
	PI341804	France		MH618720- MH618721	56-57
	PI94761	Georgia		MH618725	58
	AS274	Georgia		MH618722- MH618724	59-60
	Citr15205*	Greece		MH618726	61
<i>T. timopheevii</i> ssp. <i>araraticum</i> (TAR)	PI427366*	Iran	AG	MH618697	62

Taxon (abbreviation)	Accession No.	Origin	Genome	Genbank ID	Number
	PI427302	Azerbaijan		MH618698	63
	PI503298	Iraq		MH618699	64
	PI427365	Iran		MH618694- MH618695	65-66
	AS272*	USA		MH618696	67
<i>T. aestivum</i> ssp. <i>tibeticum</i> (TTI)	AS330	unknown	ABD	KF482100.1	68
<i>T. spelta</i> (TSP)	-	unknown	ABD	KJ459901.1	69
			ABD	KY437103.1	70
<i>T. aestivum</i> (TAE)	unknown	unknown	ABD	FJ609737.1	71
<i>T. aestivum</i> ssp. <i>petropavlovskii</i> (TPE)	XJ358	Xinjiang, China	ABD	KF482094.1	72
<i>T. aestivum</i> cv. <i>Chinese Spring</i> (TCS)	-	unknown	ABD	KF482096.1-KF482097.1	73-74
<i>T. urartu</i> (TUR)	tr20	-	A	KF031131.1	75
<i>T. monococcum</i> (TMO)	TMB02	-	A	KF482079.1	76
<i>Aegilops triuncialis</i> (ATR)	-	-	UUCC	KJ459883.1	77
<i>A. juvenalis</i> (AJU)	juv15649	Iran	XDU	FR716088.1	78
<i>A. umbellulata</i> (AUM)	-	-	S ^u	KJ459886.1	79
<i>A. tauschii</i> (ATA)	TQ27	-	S	KF482085.1	80
<i>A. tauschii</i> (ATA)	Ta1	-	S	FR716109.1	81
<i>A. longissima</i> (ALO)	-	-	S	AF149196.1	82
<i>A. speltoides</i> ssp. <i>speltoides</i> (ASP)	-	The Middle East	S	AY450267.1-AY450268.1	83-84
<i>A. sharonensis</i> (ASH)	-	-	S	AF149195.1	85
<i>A. searsii</i> (ASE)	-	-	S	AF149194.1	86
<i>Australopyrum pectinatu</i> (APE)	-	-	S	L36483.1	87
<i>Pascopyrum smithii</i> (PSM)	CN42218	Walsh	StNsHXm	GU557079.1	88
<i>Campeiosstachys nutans</i> (CNU)	-	-	StYH	KJ526344.1- KJ526345.1	89-90
<i>Kengyilia stenachyra</i> (KST)	ZYH-2128		StYP	JF976749.1	91
<i>K. thoroldiana</i> (KTH)	ZYH2878		StYP	JF976752.1	92
<i>K. longiglumis</i> (KLO)			StYP	JF976736.1	93
<i>Elymus scaber</i> (ESC)	BRIAQ751227		StYW	DQ888631.1- DQ888632.1	94-95
<i>Hordeum vulgare</i> ssp. <i>vulgare</i> (HVU)	-	-	H	Q600510.1	96
<i>Pseudoroegneria. tauri</i> (PTA)	PI401319	Iran	St	EU617209.1	97
<i>Pse. strigose</i> (PST)	MO30		St	JN009832.1	98
<i>Psathyrostachys juncea</i> (PJU)	Y2054	-	Ns	KT184640.1	99
<i>P. huashanica</i> (PHU)	ZY3157	Shanxi, China	Ns	JQ360146.1	100
<i>Hystrix duthiei</i> (HDU)	-	-	NsXm	JQ360008.1-JQ360015.1	101-102
<i>Agropyron cristatum</i> (ACR)			P	JQ972932.1	103
<i>Agropyron cristatum</i> (ACR)	PI499381	Afghanistun	P	JQ360157.1- JQ360158.1	104-105
<i>Thinopyrum elongatum</i> (LEL)	PI 531719	St. Angulf, France	E ^e	JQ360140.1-JQ360141.1- JQ360142.1-JQ360143.1- JQ360144.1	106-107-108- 109-110
<i>Th. bessarabicum</i> (TBE)	PI531711	Crimea, Ukraine	E ^b	JQ360117.1 -JQ360118.1	111-112
<i>Secale cereal</i> (SCE)	KingII		R	KF482106.1	113
<i>Eremopyrum distans</i> (EDI)	TA 2229	Afghanistun	F	JQ360120.1	114
<i>E. triticeum</i> (ETR)	Y206	Xinjiang, China	F	JQ360123.1- JQ360124.1	115-116
<i>Bromus inermis</i> (BIN)	-	-	ND	L36485	117

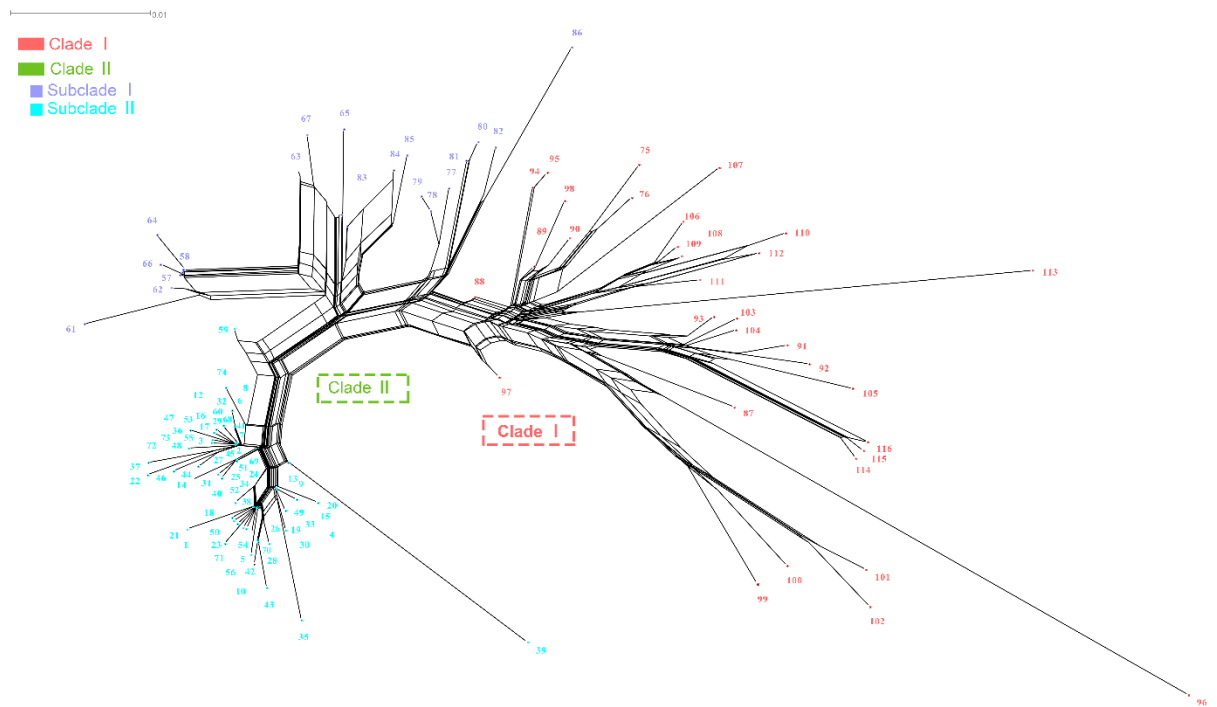


Fig. 1 Suppl. A phylogenetic network inferred from internal transcribed spacer region (ITS) sequences of tetraploid wheat and related species of *Triticeae*. Corresponding ITS sequences and a number for each accession are listed in Table 1 Suppl. Clade I contains all the non-B and non-G genome types. Clade II contains the other species, subclade I consists of *Triticum timopheevii* and *Aegilops* species, subclade II consists of *T. turgidum* species.