

()

(*Triticum aestivum* L.)
SDS-PAGE **D**

(// : // :)

D **y-type**

(ABD) **B₅**
()

F1

SDS-PAGE

(Dx2.1, Dy12.4)[†] (/ + /)

SDS-PAGE **D** *Triticum aestivum* :

(McFadden & Sears 1946; (*T. aestivum* L.)
Kihara et al. 1957; Tanaka 1959, 1961; Sharma &
Gill, 1983)

(DD) (ABD)

(AABB)

(Sharma & Gill,

.1983)

(Lagudah & Halloran, 1988)

(ABD)

(*T. tauschii*) D

D

D

(Lagudah & Halloran, 1988; Yan et al., 2003; Gianibelli et al., 2001)

(*Glu-A3, Glu-B3, Glu-D3*) *Glu-3*

(Payne et al., 1987; Shepherd, 1988)

()

()

(SS)

D

D (/ + /)

(SDS-PAGE)

(Payne et al., 1984)

(*Glu-A1, Glu-1*)

(*Glu-B1, Glu-D1*)

(L/24092)

(*Triticum turgidum*)

AUS24092 (*Triticum tauschii*)

()

(ABD¹) (

(Gamborg 1984) B₅

x-type

Glu-B1 x-type

x-type

Glu-D1

y-type

y-type

x-type

G-250

(Neuhoff et al. 1988)

(L/24092)

% /
(AABBD^tD^t)

)

(

F₁

(L/24092)

F₁

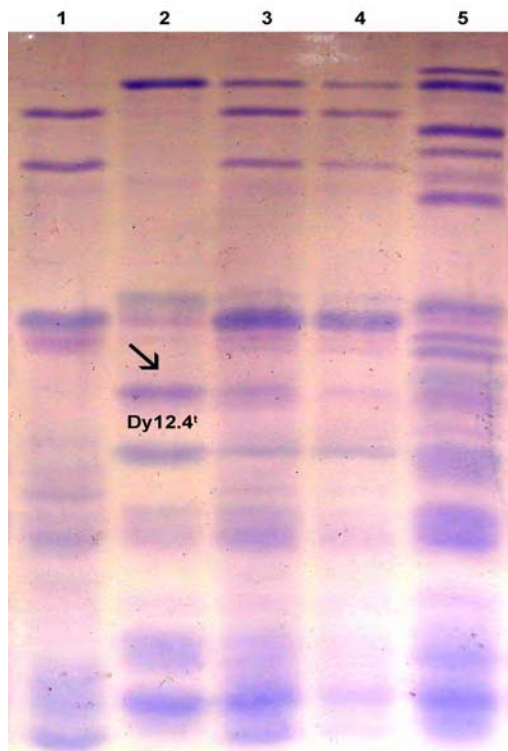
(L/24092)

AABBD^tD^t

()

D

F₁



B₅

% /
()

SDS-PAGE

" ()

()

(DMSO)

/

%

AUS24092

L/24092

%

()

y-type

-
- 4. Chinese Spring
 - 5. Gabo
 - 6. Jabiru
 - 7. Wilgoyne

-
- 1. Laurie and Bennett
 - 2. Gupta and MacRitchie
 - 3. Gianibelli et al.

F₁

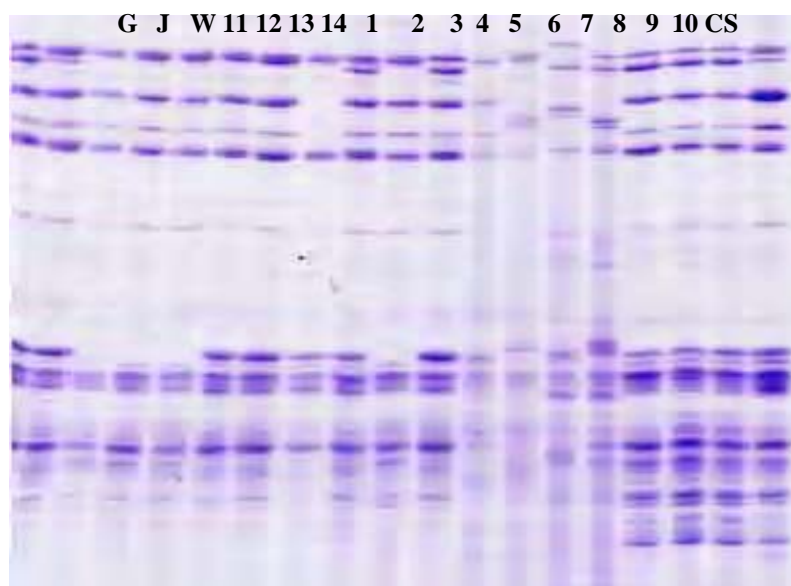
F₁

Glu-D1

(/ + /)
(+)

SDS-PAGE

Parents		<i>Glu-A1</i>	<i>Glu-B1</i>	<i>Glu-D1</i>	<i>Glu-A3</i>	<i>Glu-B3</i>	<i>Glu-D3</i>
AUS24092	D	-	-	(/ + /)			t
Langdon		Null	(+)	-	d	d	
L/24092		Null	(+)	(/ + /)	d	d	t
Baxter		()	(+)	(+)	b	b	a
Sunvale		()	(*+)	(+)	b	b	b
Chinese Spring		Null	(+)	(+)	a	a	a
Gabo		(*)	(+)	(+)	b	b	b
Jabiru		()	()	(+)	c	c	c
Wilgoyne		(*)	(+)	(+)	d	h	b



W J G CS

DH groups	No. of Lines	<i>Glu-A1</i> Subunit	<i>Glu-B1</i> Subunits	<i>Glu-D1</i> Subunits	<i>Glu-A3</i>	<i>Glu-B3</i>	<i>Glu-D3</i>
		-	(+)	(+)	d	b	b
		-	(+)	(/ + /)	d	b	t
		()	(+)	(+)	b	d	b
		()	(+)	(/ + /)	b	d	b
		-	(*+)	(+)	d	b	b
		-	(*+)	(/ + /)	d	b	b
		()	(*+)	(+)	b	b	b
		()	(*+)	(/ + /)	b	b	t
		()	(+)	(+)	d	b	a
		()	(+)	(/ + /)	d	b	t

()

D

AB

(*Glu-A1*, *Glu-1*

(*Glu-A3*, *Glu-B3*, *Glu-3* *Glu-B1*, *Glu-D1*)
D3)

(Lagudah & Halloran, 1988; Mujeeb-Kazi & Asiedu, 1995; Mackie et al., 1996; Sharma & Gill, 1983)

()

Glu-A1
(+) *Glu-B1*
Glu-D1
[(/ + /) (+)]
(/ + /)
Glu-B1 *Glu-A1*
(+) ()
Glu-D1
(/ + /)

SDS-PAGE

Glu- *Glu-B1* *Glu-A1*

1. Interspecific hybridization

Dy Dy / Dx Dx /
x /

DNA

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