

Catalogue of Stocks

Chromosome 1ad₁ an₁ bm₂ad₁ bm₂an₁ bm₂

as

br₁ Vgbr₂bz₂^m;m

Kn

Kn Ts₆lw₁p^{CR}p^{CW}p^{MO}p^{RR} ad₁ an₁p^{RR} ad₁ bm₂p^{RR} an₁ gs₁ bm₂p^{RR} br₁ f₁ an₁ gs₁ bm₂p^{VV}p^{WR} bm₂p^{WR} gs₁ bm₂p^{WW} br₁ f₁ bm₂p^{WW} br₁ f₁ an₁ gs₁ bm₂p^{WW} hm br₁ f₁rs₂sr₁Chromosome 1 (continued)sr₁ p^{WR} an₁ bm₂sr₁ p^{WR} bm₂sr₁ p^{WR} an₁ gs₁ bm₂sr₁ zb₄ p^{WW}ts₂ p^{WW} br₁ bm₂Ts₆v₁₉ bm₂

Vg

Vg an₁ bm₂vp₅vp₈zb₄ ms₁₇ p^{WW}zb₄ p^{WW} bm₂zb₄ p^{WW} br₁zb₄ ts₂ p^{WW}an₆₉₂₃-bz₂ (apparent deficiency including an₁ and bz₂)

necrotic 8147-31

Chromosome 2al lg₁ gl₂ B skal lg₁ gl₂ b skba₂fl₁gl₁₁

Ht

Chromosome 2 (continued)

$lg_1 gl_2 B$
 $lg_1 gl_2 b$
 $lg_1 gl_2 b fl_1 v_4$
 $lg_1 gl_2 b fl_1 v_4 Ch$
 $lg_1 gl_2 B gs_2$
 $lg_1 gl_2 b gs_2 sk$
 $lg_1 gl_2 b gs_2 v_4$
 $lg_1 gl_2 b gs_2 v_4 Ch$
 $lg_1 gl_2 B sk v_4$
 $lg_1 gl_2 b sk v_4$
 $lg_1 gl_2 b sk fl_1 v_4$
 $lg_1 gl_2 B v_4$
 $lg_1 gl_2 b v_4$
 $lg_1 gl_2 b v_4 Ch$
 $lg_1 gs_2 b v_4$
 w_3
 $w_3 Ch$
 $ws_3 lg_1 gl_2 B$
 $ws_3 lg_1 gl_2 b$
 $ws_3 lg_1 gl_2 b fl_1 v_4$
 $ws_3 lg_1 gl_2 B sk$
 $ws_3 lg_1 gl_2 b sk$
 wt

Chromosome 3

$A_1 ga_7; A_2 C R$
 $A_1 sh_2; A_2 C R$

Chromosome 3 (continued)

$A^d-31; A_2 C R$
 $A^d-31; A_2 C R Dt_1$
 $A^d-31 sh_2; A_2 C R$
 $a^P et; A_2 C R Dt_1$
 $a_1; A_2 C R B Pl dt_1$
 $a_1 et; A_2 C R Dt_1$
 $a_1 sh_2; A_2 C R Dt_1$
 $a_1 sh_2; A_2 C R dt_1$
 $a_1^{st} sh_2; A_2 C R Dt_1$
 $a_1^{st} et; A_2 C R Dt_1$
 ba_1
 Cg
 cl_1
 cr_1
 d_1
 $d_1 lg_3$
 $d_1 ts_4 lg_2$
 $d_1 ts_4 lg_2 a_1; A_2 C R Dt_1$
 d_2
 $gl_6 lg_2 a_1 et; A_2 C R Dt_1$
 gl_7
 $lg_2 a_1 et; A_2 C R Dt_1$
 $lg_2 a_1 et; A_2 C R dt_1$
 $lg_2 a_1 sh_2 et; A_2 C R Dt_1$
 $lg_2 a_1^{st} et; A_2 C R Dt_1$
 $lg_2 a_1^{st} sh_2; A_2 C R Dt_1$

Chromosome 3 (continued)lg₂ pmLg₃Lg₃ Rgna₁

pm

ra₂ra₂ lg₂ pmra₂ Rg

Rg

rt

ts₄ na₁ys₃vp₁

Primary trisomic 3

Chromosome 4bm₃bt₂bt₂ gl₄c₂; A₁ A₂ C₁ Rfl₂Ga₁ Su₁Ga₁^s Su₁gl₃la su₁ gl₃lw₄; lw₃o₁Chromosome 4 (continued)

st

su₁ bm₃su₁ gl₃su₁ gl₄su₁ ra₃su₁ Tusu₁ Tu gl₃su₁ zb₆su₁ zb₆ Tusu₁^{am}Ts₅Ts₅ su₁Tu gl₃v₈Chromosome 5a₂; A₁ C Ra₂ bm₁ bt₁ bv₁ pr; A₁ C Ra₂ bm₁ bt₁ pr; A₁ C Ra₂ bm₁ pr v₂; A₁ C Ra₂ bm₁ pr ys₁; A₁ C Ra₂ bt₁ pr; A₁ C Ra₂ bt₁ pr ys₁; A₁ C Ra₂ pr; A₁ C R

ae

bm₁ pr; A₁ A₂ C Rbm₁ pr v₂; A₁ A₂ C R

Chromosome 5 (continued)

bm_1 pr ys_1 ; $A_1 A_2 C R$
 bm_1 pr $ys_1 v_2$; $A_1 A_2 C R$
 bt_1 pr; $A_1 A_2 C R$
 gl_5
 gl_8
 $gl_{17} bt_1$
 $gl_{17} v_2$
 lw_2
 lw_3 ; lw_4
 na_2
 na_2 pr
pr; $A_1 A_2 C R$
pr ys_1 ; $A_1 A_2 C R$
 v_3 pr; $A_1 A_2 C R$
 v_{12}
 $vp_2 gl_8$
 vp_2 pr; $A_1 A_2 C R$
 vp_7
 vp_7 pr; $A_1 A_2 C R$
Primary trisomic 5

Chromosome 6

at = allele of si_1
Bh
po Y_1 pl
po y_1 pl
Pt

Chromosome 6 (continued)

si_1
wi
 $y_1 l_{10}$
 $Y_1 pb_4 pl$
 $Y_1 p\mathcal{E}_{11}$; wx $p\mathcal{E}_{12}$
 $y_1 p\mathcal{E}_{11}$; wx $p\mathcal{E}_{12}$
 $y_1 Pl Bh$
 $y_1 pl Bh$
 $Y_1 Pl sm Pt$
 $Y_1 Pl sm py$; $A_1 A_2 b P^{RR}$
 $Y_1 pl su_2$
 $y_1 pl su_2$
 $y_1 Pl$; seg w_1
 l_{4920}
"male sterile-silky" =
allele of si_1
"orobanche" (seedling)
"ragged" (seedling)
"white 8896" (seedling)

Chromosome 7

bd
 \mathcal{E}_2
 $gl_1 ij bd$
 $gl_1 sl$
 $gl_1 Tp_1$
Hs

Chromosome 7 (continued)

ij

in; pr A₁ A₂ C Ro₂o₂ bdo₂ gl₁ slo₂ ra₁ gl₁o₂ ra₁ gl₁ ijo₂ ra₁ gl₁ Tpo₂ v₅ gl₁; seg ra₁o₂ v₅ ra₁ gl₁o₂ v₅ ra₁ gl₁ Hso₂ v₅ ra₁ gl₁ Tp₁ra₁ gl₁ ij bdTp₁vp₉ gl₁; wxChromosome 8gl_gv₁₆ j₁v₁₆ j₁; l₁v₁₆ ms₈ j₁

"necrotic 6697" (seedling)

"sienna 7748" (seedling)

Chromosome 9Bf₁bm₄bp Wx; P^{RR}Chromosome 9 (continued)

C Ds wx

C sh₁ Wx; A₁ A₂ RC sh₁ wx; A₁ A₂ Rc sh₁ wx; A₁ A₂ RC wx; A₁ A₂ Rc Wx; A₁ A₂ Rc wx; A₁ A₂ RDt₁ (See chromosome 3 stocks)gl₁₅ Bf₁gl₁₅ bm₄

I Ds Wx

I wx; A₁ A₂ R B plK₉^L C sh₁ wx; A₁ A₂ Rl₆l₇ms₂ms₂ sh₁; A₁ A₂ C Rsh₁ wx gl₁₅sh₁ wx l₇sh₁ wx v₁wx Bf₁wx Bf₁ bm₄wx bk₂wx bk₂ bm₄wx d₃wx l₆

Chromosome 9 (continued)Wx pg₁₂; Y₁ pG₁₁wx pg₁₂; Y₁ pG₁₁ plwx pg₁₂; Y₁ pG₁₁wx^ayG₂ c sh₁ wx; A₁ A₂ RyG₂ c sh₁ bz wx; A₁ A₂ RyG₂ C sh₁ bz wx; A₁ A₂ R

Primary trisomic 9

Chromosome 10a₃bf₂du₁g₁g₁ r^G; A₁ A₂ Cg₁ r^{ch}g₁ r; A₁ A₂ C wxg₁ R sr₂g₁ r sr₂gl₉l₁l₁; seg w₁li g₁ R; A₁ A₂ Cli g₁ r; A₁ A₂ Cnl₁ g₁ R; A₁ A₂ COg R; A₁ A₂ C B Ploy "oil yellow"
(seedling and plant)Chromosome 10 (continued)r^r; A₁ A₂ Cr abnormal 10; A₁ A₂ CR^G sr₂; A₁ A₂ Cr^r sr₂; A₁ A₂ Cr^G wx; A₁ A₂ CR^r: Boone; A₁ A₂ CR^{mb}; A₁ A₂ CR^{nj}; A₁ A₂ CRst; A₁ A₂ Cv₁₈w₂w₂ l₁

zn

Primary trisomic 10

Unplaced genes

ct

el

gl₁₂gl₁₄gl₁₆

h

l₃l₄ms₆ms₉ms₁₂

Unplaced genes (continued)ms₁₃ms₁₄

rd

Rs₁v₁₃w₁₁ws₁ ws₂zb₁zb₂zb₃

"luteus 4923" (seedling)

"necrotic 8376" (seedling)

"white 8657" (seedling)

Multiple gene stocksA₁ A₂ C R^r Pr B PlA₁ A₂ C R^g Pr B PlA₁ A₂ C R PrA₁ A₂ C R Pr wxA₁ A₂ C R Pr wx gl₁A₁ A₂ C R Pr wx y₁A₁ A₂ C R prA₁ A₂ C R pr y₁ gl₁A₁ A₂ C R pr y₁ wxA₁ A₂ C R pr y₁ wx gl₁A₁ A₂ c R Pr y₁ wxA₁ A₂ C r Pr y₁ wxbm₂ lg₁ a₁ su₁ pr y₁ gl₁ j₁ wx g₁Multiple gene stocks (continued)

colored scutellum

lg₁ su₁ bm₂ y₁ gl₁ j₁su₁ y₁ wx a₁ A₂ C R^g pry₁ wx gl₁Popcorns

Amber Pearl

Argentine

Black Beauty

Hulless

Ladyfinger

Ohio Yellow

Red

South American

Strawberry

Supergold

Tom Thumb

White Rice

Exotics and VarietiesBlack Mexican Sweet Corn
(with B-chromosomes)Black Mexican Sweet Corn
(without B-chromosomes)

Gourdseed

Maiz chapolote

Papago Flour Corn

Parker's Flint

Tama Flint

Zapaluta chica

Chromosome rearrangements

The following rearrangements are being maintained primarily for use in determining the chromosome locations of new traits. All are marked with closely-linked endosperm or seedling traits.

The cytological positions of Inv 2a were determined by Dr. Morgan; those of Inv 9a were determined by Dr. Li. The indicated interchange points of the reciprocal translocations are taken from published work of Dr. Longley.

Inversions

- * gl_2 Inv 2a (also available with Ch) 2S.7; 2L.8
- * wx^2 Inv 9a 9S.7; 9L.9

Reciprocal translocations

*wx 1-9c	1S.48; 9L.22
*wx 1-9 4995	1L.19; 9S.20
*wx 1-9 8389	1L.74; 9L.13
*wx 2-9b	2S.18; 9L.22
*wx 3-9c	3L.09; 9L.12
wx 3-9 5775	3L.09; 9S.24
*wx 4-9b	4L.90; 9L.29
*wx 4-9 5657	4L.33; 9S.25
*wx 4-9g	4S.27; 9L.27
*wx 5-9a	5L.69; 9S.17
*wx 5-9c	5S.07; 9L.10
*wx 5-9d	5L.14; 9L.10
wx 5-9 4817	5L.06; 9S.07
*wx 6-9a	6S.79; 9L.40
*wx, y 6-9b	6L.10; 9S.37
wx 6-9 4505	6L.13; 9 cent
wx 6-9 4778	6S.80; 9L.30
*wx 7-9a	7L.63; 9S.07
*wx or gl_1 7-9 4363	7 cent; 9 cent
*wx 8-9d	8L.09; 9S.16
*wx 8-9 6673	8L.35; 9S.31
*wx 9-10b	9S.13; 10S.40
su_1 1-4a	1L.51; 4S.69
su_1 1-4d	1L.27; 4L.30
su_1 4-5j	4L.21; 5L.36
su_1 y 4-6a	4L.37; 6L.43
su_1 4-8a	4S.59; 8L.19
su_1 R 4-10b	4L.15; 10L.60
y $1-6c$	1S.25; 6L.27
gl_2 2-3c	2S.46; 3S.52
gl_2 2-3 5304	2S.62; 3L.29
gl_2 2-6b	2S.69; 6L.49
gl_2 , R 2-10b	2S.50; 10L.75
gl_1 6-7 4545	6L.25; 7S.73

*These constitute a basic series of twenty rearrangements for use in locating unplaced genes.

Stocks of A-B chromosome translocations

B-1a	1L.2	Proximal to <u>Hm</u>
B-1b	1S.05	
B-3a	3L.1	Proximal to <u>su</u> ₁
B-4a	4S.25	Proximal to <u>ra</u> ₁
B-7b	7L.3	Proximal to <u>Bf</u> ₁
B-9a	9L.5	Between <u>C</u> and <u>wx</u> ; close to <u>wx</u>
B-9b	9S.4	
B-10a	10L.35	Proximal to <u>g</u> ₁