DNA Markers

See 'Genetic nomenclature proposal' in Introduction for a proposal for the naming of AFLP loci.

The following list catalogues DNA-marker loci that (1) have been detected either by Southern hybridization of DNA restriction fragments or as sequence-tagged-sites by amplification of DNA fragments with primers and (2) have been localized to specific wheat chromosomes. The list does not include the 5S-RNA or the 18S-5.8S-26S rRNA (*Nor*) loci, which are included elsewhere in the catalogue. No attempt has been made to list orthologous loci in related species, although many have been identified {e.g., 1329,1330}.

The nomenclature used is that originally published in the 1994 Supplement, except for some loci detected with 'known-function' clones for which other nomenclature has been used in the publications cited. The reference(s) that follow the locus symbols designate the publication(s) in which the chromosomal locations or map positions of the loci were first reported. References that are in parentheses ( ) contain the listed locus symbol, while the symbols for loci for which the references are in brackets [ ] were assigned by the curators in accordance with the current nomenclature guidelines. Symbols previously assigned to loci appear as synonyms in brackets. Temporary symbols for a few DNA markers detected with known-function DNA probes are marked with an asterisk, *, ; these are temporary, pending assignment of the laboratory designator.

Other chromosomes bearing markers detected with the same probe or the same primers are indicated in parentheses after the probe or the primers.

Three recent revisions were made in the organization of the DNA Markers section, as follows:

1. Markers in homoeologous chromosome groups 4, 5 and 7 (with the exception of those in *T. monococcum* chromosome 4A^m; see #2 below) are listed in groups composed of loci located in homoeologous segments. The groups include the six classical homoeologous arm groups, namely, 4S (4AL:4BS:4DS), 4L (4AS:4BL:4DL), 5S (5AS:5BS:5DS), 5L (5AL:5BL:5DL), 7S (7AS:7BS:7DS) and 7L (7AL:7BL:7DL), and five new groups, 4AL:4BL:4DL, 5AL:4BL:4DL, 4AL:5BL:5DL, 7BS:5BL:7DS, and 7AS:4AL:7DS. Evidence is not available regarding the correct group location for a few of the markers listed in groups 4S, 4L, and 7S; a double asterisk (**) after the locus reference identifies these markers.

2. Markers in *T. monococcum* 4A^m are listed separately (under 4A^{m}S, 4A^{m}L, or 4A^m), due to the several rearrangements that distinguish 4A and 4A^m.

3. Superscripts appended to locus references designate the species in which loci were analyzed, as follows,

'1'   *T. aestivum,*
'2'   *T. turgidum,*
'3'   *T. monococcum,*
'4'   *T. tauschii, and*
'5'   Species hybrid,

with the exception that the superscript is omitted for markers studied only in *T. aestivum.*

'a' Designates primer pairs that identify loci that cap the genetic maps. The forward primer is a degenerate telomeric sequence and the reverse primer is a specific sequence. Each primer combination identified multiple loci; however, only telomeric *(Tel)* loci are included {888}.

'b'Designates loci detected by hybridization with DNA clones whose sequences are largely homologous with known genes in the EMBL database (1392).

STSs from RFLP clones: Certain STS markers are listed using sequences from previously listed RFLP clones. The convention adopted is to add a *'p'* to the laboratory designator. The 'References' to PCR markers refer, however, to the paper(s) which reported the first chromosomal location detected by this PCR marker.

1. Group 1S
    5S-Rrna(see Ribosomal RNA/5SRNA).
    Glu-B3-1B   1.31.   (1B).
    Glu-D3-1D   3.02.   (1D).
    Hg-1A   10.   (1A).
    M51/P65-1A.5   20.2.   (1A.5,1B.3)(2D.0)(4A.6)(5B.4)(6B.1).
    M62/P64-1A.5   9.7.   (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7B.11,7B.2,7B.9,7D.6).
    M65/P64-1B.4   13.48.   (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7B.2).
    M71/P77-1B.9   10.51.   (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).
    M77/P64-1A.2   8.5.   (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
    M77/P64-1A.13   39.6.   (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
    M85/P65-1B.5   25.38.   (1B.5)(2A.4)(5A.0,5A.2)(6A.3,6B.6).
    Nor-B1(see Nucleolus Organiser Regions).   (B1).
    Nor-B1-1B   44.   (1B).
    Ogliada-1B   3.94.   (1B).
    Ogliadc-1D   25.65.   (1D).
    P31/M52-2-1B   2.8.   (1B).
    P32/M49-1-1D   4.61.   (1D).
    P32/M54-4-1A   18.9.   (1A).
    P32/M55-3-1D   35.78.   (1D).
    P32/M59-2-1D   27.77.   (1D).
    P34/M47-3-1D   27.77.   (1D).
    P34/M50-10-1B   19.51.   (1B)(3B).

P34/M51-285-1B 13.32. (1B).
P34/M51-304-1D 5.46. (1D).
P34/M51-324-1A 46.47. (1A).
P34/M511-1D 14.07. (1D).
P38/M47-5-1A 13.46. (1A).
P39/M49-8-1D 17.34. (1D).
P39/M49-178-1D 4.61. (1D).
P39/M498-1D 17.34. (1D).
P40/M60-138-1A 29.19. (1A).
P40/M61-2-1A 29.97. (1A).
P40/M61-5-1B 41. (1B).
P41/M48-174-1B 16. (1B).
P42/M50-2-1A 29.19. (1A).
P78/M43-1B.7 40.86.
   (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
P78/M71-1A.5 30.5. (1A.5)(2A.7,2B.1)(6B.3)(7B.2).
P78/M87-1B.8 29.16. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
Pm3g-1A 13.23. (1A).
Rg1-1B 18.48. (1B).
Xpsr11{Glu-3}-1D{494}. [*XGli-1D*{961}, *XGli-1B*{961}, *XGli-1D*{961}]. pTag544{066}.
   (1D).
Xabc155c-1B 40.13. (1B).
Xabc156-1A{1529}. ABC156{664}. (1A,1B,1B.3,1D).
Xabc156-1B{1529}. ABC156{664}. (1A,1B,1B.3,1D).
Xabc156-1B.3 28.22. (1A,1B,1B.3,1D).
Xabc156-1D{1529}. ABC156{664}. (1A,1B,1B.3,1D).
Xabc156a-1D 7.18. (1D).
Xabc156b-1D 26.5. (1D).
Xabc156c-1A 27.87. (1A).
Xabc249-1A{282}[3]. ABC249{664}. (1A).
Xabg53-1A{0252}. ABG53. (1A,1B,1D).
Xabg53-1B{0252}. ABG53. (1A,1B,1D).
Xabg53-1D{0252}. ABG53. (1A,1B,1D).
Xabg59-1B{0252}. ABG59. (1B,1D).
Xabg59-1D{0252}. ABG59. (1B,1D).
Xabg74-1A{0252}. ABG74. (1A,1B,1D).
Xabg74-1B{0252}. ABG74. (1A,1B,1D).
Xabg74-1D{0252}. ABG74. (1A,1B,1D).
Xabg452-1A{1529}[1],{280}[1,3,5]. 47. ABG452{664}. (1A,1B,1D).
Xabg494-1A{0252}. ABG494. (1A,1B,1D).
Xabg494-1B{0252}. ABG494. (1A,1B,1D).
Xabg494-1D{0252}. ABG494. (1A,1B,1D).
Xabg500-1A{280}[5]. ABG500{664}. (1A,1B,1D).
Xabg500-1B{0252}[1]. ABG500{664}. (1A,1B,1D).
Xabg500-1D{0252}[1]. ABG500{664}. (1A,1B,1D).
XAWM391-1B 28.42. (1B).
Xbarc119-1A 22.3. (1A,1D).
Xbarc148-1A 43.4. (1A).
Xbarc152-1D 25.1. (1D).
Xbarc263-1A 27.3. (1A).
Xbcd2-1B 43. (1B).

Xbcd98-1A.1{1529}[1],{280}[1,5]. BCD98{545}. (1A.1,1A.2).
Xbcd98-1A.2{1529}. BCD98{545}. (1A.1,1A.2).
Xbcd98-1B{445}. BCD98. (1B,1D)(7B,7D).
Xbcd98-1D{445}. BCD98. (1B,1D)(7B,7D).
Xbcd175-1A{0242}. 43.62. BCD175. (1A)(2D).
Xbcd249-1B{860}[1]. BCD249{545}. (1A,1B,1D).
Xbcd249-1D{860}[1]. BCD249{545}. (1A,1B,1D).
Xbcd340-1B{1529}. 38.67. BCD340{545}. (1B)(6B).
Xbcd368-1A{0242}. 46.47. BCD368. (1A).
Xbcd371-1B{0275}. BCD371. (1B).
Xbcd454-1B{0354}. BCD454{545}. (1A,1B)(5A).
Xbcd762-1A.2{0252}. [*Xbcd762a-1A*{0252}]. BCD762. (1A.1,1A.2,1B,1B.1,1B.2,1D).
Xbcd762-1B.2{0252}. [*Xbcd762a-1B*{0252}]. BCD762. (1A.1,1A.2,1B,1B.1,1B.2,1D).
Xbcd762-1D{0252}. [*Xbcd762a-1D*{0252}]. BCD762. (1A.1,1A.2,1B,1B.1,1B.2,1D).
Xbcd1072-1D{1529}[4],{0252}. BCD1072{545}. (1A,1B,1D).
Xbcd1124-1A{280}[5]. BCD1124{545}. (1A,1B,1D).
Xbcd1124-1B{1529}[1]. 41. BCD1124{545}. (1A,1B,1D).
Xbcd1124-1D{0252}[1]. BCD1124{545}. (1A,1B,1D).
Xbcd1340-1A{0252}. BCD1340. (1A,1B,1D).
Xbcd1340-1B{0252}. BCD1340. (1A,1B,1D).
Xbcd1340-1D{0252}. BCD1340. (1A,1B,1D).
Xbcd1431c-1D 0. (1D).
Xbcd1434-1A{280}[3,5]. BCD1434{545}. (1A,1B,1D)(2B).
Xbcd1434-1B{445},{154}. [*bcd1434*{445}, *Xbcd1434b-1B*{154}]. 0. BCD1434{545}.
    (1A,1B,1D)(2B).
Xbcd1434-1D{864}. 8.2. BCD1434{545}. (1A,1B,1D)(2B).
Xbcd1661-1D 1.25. (1D).
Xbcd1796-1A{280}[5]. BCD1796{545}. (1A,1B).
Xbcd1796-1B{1529}[1], {0252}[1]. 43. BCD1796{545}. (1A,1B).
Xbcd2015-1A 35.48. (1A).
Xcdo99-1A{0252}[1]. CDO99{545}. (1A,1B,1D).
Xcdo99-1B{154}[1]. 17.93. CDO99{545}. (1A,1B,1D).
Xcdo99-1D{1529}[4]. CDO99{545}. (1A,1B,1D).
Xcdo127-1A{0252}. [*Xcdo127a-1A*{0252}]. CDO127. (1A,1B,1B.1,1B.2,1D)(3A.1,3A.2).
Xcdo127-1B.1{0252}. [*Xcdo127a-1B*{0252}]. CDO127. (1A,1B,1B.1,1B.2,1D)(3A.1,3A.2).
Xcdo127-1B.2{0252}. [*Xcdo127b-1B*{0252}]. CDO127. (1A,1B,1B.1,1B.2,1D)(3A.1,3A.2).
Xcdo127-1D{0252}. [*Xcdo127a-1D*{0252}]. CDO127. (1A,1B,1B.1,1B.2,1D)(3A.1,3A.2).
Xcdo388-1B{1529}[1], {0252}. [*Xcdo388.1B*{1529}, *Xcdo388a-1B*{0252}]. CDO388{545}.
    (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2).
Xcdo388-1D{1529}[4]. [*Xcdo388.1B*{1529}]. CDO388{545}.
    (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2).
Xcdo388a-1B 22.68. (1B).
Xcdo388b-1D 5.83. (1B,1D).
Xcdo426-1A{1529}. 28.8. CDO426{545}. (1A).
Xcdo431-1A 15.88. (1A).
Xcdo442-1A{860}. CDO442{545}. (1A,1B,1D).
Xcdo442-1B{860}. CDO442{545}. (1A,1B,1D).
Xcdo442-1D{860}. CDO442{545}. (1A,1B,1D).
Xcdo534-1B.1{445}. [*cdo534a*{445}]. CDO534. (1B.1,1B.2)(3A)(6A,6B,6D)(7A).
Xcdo534-1B.2{445}. [*cdo534b*{445}]. CDO534. (1B.1,1B.2)(3A)(6A,6B,6D)(7A).
Xcdo580-1A{280}[1,3,5],{1529}[1]. [*Xcdo580a-1A*{0252}]. CDO580{545}. (1A,1B.1,1B.2,1D).

Xcdo580-1B.1{0252}. [*Xcdo580a-1B*{0252}]. CDO580. (1A,1B.1,1B.2,1D).

Xcdo580-1B.2{0252}. [*Xcdo580b-1B*{0252}]. CDO580. (1A,1B.1,1B.2,1D).

Xcdo658-1A{280}[3,5], {0252}[1]. CDO658{545}. (1A,1B,1D).

Xcdo658-1B{445}[1]. CDO658{545}. (1A,1B,1D).

Xcdo658-1D{445}[1]. CDO658{545}. (1A,1B,1D).

Xcdo1173-1A{280}[3,5]. CDO1173{545}. (1A,1B,1D).

Xcdo1188-1A.1{280}[3,5],{0252}[1]. [*Xcdo1188-1A*{280}[3,5], *Xcdo1188-1A*{0252}[1]].
    CDO1188{545}. (1A.1,1A.2,1B.1,1B.2,1D.1).

Xcdo1188-1B.1{445}[1]. [*Xcdo1188-1B*{1529}[1]]. CDO1188{545}.
    (1A.1,1A.2,1B.1,1B.2,1D.1).

Xcdo1188-1D.1{445}[1]. CDO1188{545}. (1A.1,1A.2,1B.1,1B.2,1D.1).

Xcdo1188a-1B 41. (1B).

Xcdo1340-1A{0252}. CDO1340{545}. (1A,1B,1D).

Xcdo1340-1B{0269}[2],{1529}. 44. CDO1340. (1A,1B,1D).

Xcdo1340-1D{0252}. CDO1340{545}. (1A,1B,1D).

Xcdo1423-1A{0252}. CDO1423. (1A,1B,1D).

Xcdo1423-1B{0252}. CDO1423. (1A,1B,1D).

Xcdo1423-1D{0252}. CDO1423. (1A,1B,1D).

Xcfa2153-1A 15.44. (1A).

Xcfa2158a-1A 29.85. (1A).

Xcfa2158b-1B 20.79. (1B).

Xcfa2170a-1D 1.58. (1D).

Xcfa2226b-1A 30.86. (1A).

Xcfd15-1A{0349}. 22.65. (1A,1B).

Xcfd15-1B 6.74. (1A,1B).

Xcfd20-1B{0349}. 40.57. CFD 20F/CFD 20R. (1B).

Xcfd59b-1B 27.58. (1B).

Xcfd65b-1B 27. (1B).

Xcfd92-1B 23.5. (1B).

XChs3-1A{280}[1,3,5]. 30.85. CHS3{1237}. (1A).

XChs-1A{282}[3]. [*XChs3-1A*{282}]. pcCHS11{1237}. (1A)(2A.1,2A.2,2A.3,2B,2D).

Xcmwg645-1A.1{280}[3,5], {0252}[1]. [*Xmwg645-1A.1*{280}, *Xmwg645a-1A*{0252}[1]].
    cMWG645{467}. (1A.1,1A.2,1B,1B.1,1B.2,1D.1)(5A).

Xcmwg645-1B.1{0252}[1]. [*Xcmwg645-1B*{0252}[1]]. cMWG645{467}.
    (1A.1,1A.2,1B,1B.1,1B.2,1D.1)(5A).

Xcmwg645-1D.1{0252}[1]. [*Xcmwg645-1D*{0252}[1]]. cMWG645{467}.
    (1A.1,1A.2,1B,1B.1,1B.2,1D.1)(5A).

Xcmwg733a-1B 44. (1B).

Xcn17-1D.1 20.6. (1D.1)(4B.2)(7B.3).

Xcnl5-1A{0059}. AG10F/AG10R. (1A).

Xcnl7-1D.1 20.6. (1D.1)(4B.2)(7B.3).

Xcsd19(Adh)-1A{1020}[*]. [*XAdh-1A*{961}, *XAdh-A*{1020}]. p3NTR{1020}. (1A,1B,1D).

Xcsd19(Adh)-1B{1020}[*]. [*XAdh-1B*{961}, *Adh-B*{1020}]. p3NTR{1020}. (1A,1B,1D).

Xcsd19(Adh)-1D{1020}[*]. [*XAdh-1D*{961}, *Adh-D2*{1020}, *Xadh3-1D*{448}]. p3NTR{1020}.
    (1A,1B,1D).

Xcsih69-1A{1529}[5]. [*csIH69-1A*{1529}]. 38.72. csIH69{757}. (1A,1D.1,1D.2)(2D).

Xcsih69-1D.1{757}[4]. [*csIH69*{757}]. csIH69{757}. (1A,1D.1,1D.2)(2D).

Xcsl106(NBS-LRR)1-1D{0360}. [*rga5.2a*{0360}]. Rga5.2. (1D).

Xcsl106(NBS-LRR)3-1D{0360}. [*rga5.2c*{0360}]. Rga5.2. (1D).

Xcsu109-1B 42. (1B).

Xfba26-1A{154}. [*Xfba26b-1A*{154}]. FBA026. (1A).

Xfba26b-1A 44.26. (1A).
Xfba40b-1D 17.04. (1D)(4A).
Xfba165-1A 10.44. (1A).
Xfba167a-1D 2.18. (1D)(3B).
Xfba199a-1D 7.36. (1D).
Xfba254-1A 20.73. (1A).
Xfba285-1A{154}. 27.32. FBA285. (1A).
Xfba285a-1B 20.17. (1B).
Xfba286-1A 22.95. (1A).
Xfba298-1A{154}. 42.93. FBA298. (1A).
Xfba299-1A{154}. FBA299. (1A).
Xfba329a-1D 10.03. (1D).
Xfba393-1A{154}. 20.67. FBA393. (1A)(5B,5D).
Xfbb67c-1D 7.68. (1B,1D).
Xfbb160b-1A 24.72. (1A).
Xfbb160x-1B 15.15. (1B).
Xfbb196-1A{154}. [*Xfbb196b-1A*{154}]. FBB196. (1A,1D).
Xfbb196-1D{154}. [*Xfbb196a-1D*{154}]. 9.56. FBB196. (1A,1D).
Xfbb196b-1A 17.44. (1A).
Xfbb234-1B{154}. 12.66. FBB234. (1B).
Xfbb234a-1A 25.16. (1A).
Xfbb234b-1D 8.44. (1D).
Xfbb237a-1D 8.44. (1D)(3A,3D).
Xfbb237d-1B 22.21. (1B).
Xfbb250-1D{154}. [*Xfbb250a-1D*{154}]. FBB250. (1D)(3A)(6B).
Xfbb250a-1D 4.27. (1D).
Xfbb250b-1B 1.22. (1B)(6B).
Xfbb260-1B{154}. [*Xfbb260a-1B*{154}]. FBB260. (1B,1D)(3A).
Xfbb260-1D{154}. [*Xfbb260b-1D*{154}, *Xfbb260b-1D*{154}]. FBB260. (1B,1D)(3A).
Xfbb260a-1B 13.15. (1B).
Xfbb260b-1D 10.24. (1B,1D).
Xfbb293a-1D 2.45. (1D)(3A).
Xfbb319b-1D 9.58. (1D).
Xfbb319c-1A 25.75. (1A).
Xfbb322a-1D 0.1. (1D).
XgAmmA-1D 29.57. (1D).
XgbxG035d-1D 0.75. (1D).
XgbxG177-1A{0354}. gbxG177. (1A,1B,1D).
XgbxG177-1B{0354}. gbxG177. (1A,1B,1D).
XgbxG746-1D 8.35. (1B,1D).
XgbxR507-1A{9958}. 38.68. gbxR507. (1A).
XgbxR698-1A{9958}. [*XgbxR698c-1A*{9958}]. gbxR698. (1A,1B,1D).
XgbxR698-1B{9958}. [*XgbxR698b-1B*{9958}]. gbxR698. (1A,1B,1D).
XgbxR698-1D{9958}. [*XgbxR698a-1D*{9958}]. gbxR698. (1A,1B,1D).
XgbxR698a-1B 20.97. (1B).
XgbxR698b-1D 5.65. (1D).
Xgdm33-1A{0173}. DMS F33/DMS R33. (1A,1D).
Xgdm33-1D{0173}. DMS F33/DMS R33. (1A,1D).
Xgdm60-1D{0173}. DMS F60/DMS R60. (1D).
XGli1-1A 10. (1A,1B.3).
XGli1-1B.3 0. (1A,1B.3).

XGli1a-1D 6.19. (1D).
XGli3-1A 28.36. (1A,1B.2).
XGli3-1B.2 28.74. (1A,1B.2).
XGlia-B1-1B 6.79. (1B).
Xglk301-1B{0031}. [*Xglk301a-1B*{0031}]. pTag301. (1B)(2D)(3D)(5D)(7A,7B).
Xglk317-1B{0031}. [*Xglk317a-1B*{0031}]. pTag317. (1B)(3D)(4D)(5A,5A.1,5A.2)(6A).
XGlu3-1A{280}[1,3,5]. 12.07. pTdUCD1{167}. (1A).
XGluB3-1B 4.56. (1B).
Xgpw363a-1D 10.03. (1D).
Xgpw1143-1B 8.71. (1B).
Xgpw1170-1D 9.58. (1D).
Xgpw1239-1B 27. (1B).
Xgpw2005-1A 31.35. (1A).
Xgpw2032-1A 25.75. (1A).
Xgpw2067a-1D 8.35. (1D).
Xgpw2162-1B 22.21. (1B).
Xgpw2186-1A 10. (1A).
Xgpw2246-1A 13.35. (1A).
Xgpw2255-1D 2.67. (1D).
Xgpw2276-1A 13.65. (1A).
XgpwE5-1A 14.87. (1A).
XgpwE8a-1A 14.87. (1A).
XgpwE8b-1D 25.65. (1D).
XgpwE9-1A 14.87. (1A).
XgpwE12-1B 11.51. (1B).
Xgwm30-1A{1226}. WMS 30F/WMS 30R. (1A)(2D,2D.1)(3A,3A.2)(4A.2).
Xgwm33-1A{1226}[2]. WMS 33F/WMS 33R. (1A,1A.1,1B,1B.2,1D.3).
Xgwm33-1A.1 26.3. (1A,1A.1,1B,1B.2,1D.3).
Xgwm33-1B{0270}[2]. (1A,1A.1,1B,1B.2,1D.3).
Xgwm33-1B.2 18.53. (1A,1A.1,1B,1B.2,1D.3).
Xgwm33-1D.3 17.9. (1A,1A.1,1B,1B.2,1D.3).
Xgwm49-1B 20.94. (1B).
Xgwm106-1B 19.15. (1A,1B,1D).
Xgwm106-1D{724}. 27.8. WMS 106F/WMS 106R. (1A,1B,1D).
Xgwm136-1A{9929}. 13.9. WMS F136/WMS R136. (1A).
Xgwm155w-1D 0.19. (1D).
Xgwm264-1B 20.43. (1B,1B.1,1B.2)(3B).
Xgwm264-1B.1{9929}[1],{0003}[2]. [*Xgwm264-1B*{9929}, *Xgwm264c-1B*{0003}]. WMS F264/
    WMS R264. (1B,1B.1,1B.2)(3B).
Xgwm264a-1D 9.67. (1D).
Xgwm337-1B 24.3. (1B,1D).
Xgwm359-1B{0170}. [*Xgwm359b-1B*{0170}]. WMS F359/WMS R359. (1B)(2A).
Xgwm498-1A{0035}[2]. WMS F498/WMS R498. (1A,1B).
Xgwm550-1B{9929}. 12.64. WMS F550/WMS R550. (1B)(7A).
Xgwm603-1B 24.3. (1B).
Xgwm656-1A{0035}[2]. WMS F656/WMS R656. (1A).
Xgwm911-1B{0171}. WMS F911/WMS R911. (1B).
Xhhu1(Pdk1)-1A{178}. [*XPpdk-1A*{178}]. PPDK4{1572}. (1A,1B,1D).
Xhhu1(Pdk1)-1B{178}. [*XPpdk-1B*{178}]. PPDK4{1572}. (1A,1B,1D).
Xhhu1(Pdk1)-1D{178}. [*XPpdk-1D*{178}]. PPDK4{1572}. (1A,1B,1D).
Xhor12a-1A 27.27. (1A).

Xhor12b-1D 8.08. (1D).
Xhor12c-1B 8.62. (1B).
XHplc2-3-1B 8.29. (1B).
Xiag95-1D{0360}. IAG95. (1D).
Xksu136-1B 34.92. (1B).
XksuD14-1A.1{1529}[1],{280}[3]. pTtksuD14{448}.
    (1A.1,1A.2,1B,1B.1,1B.2,1B.3,1D,1D.1,1D.2).
XksuD14-1A.2{1529}[1], {280}[3]. 17.8. pTtksuD14{448}.
    (1A.1,1A.2,1B,1B.1,1B.2,1B.3,1D,1D.1,1D.2).
XksuD14-1B{728,1529}[1]. pTtksuD14{448}. (1A.1,1A.2,1B,1B.1,1B.2,1B.3,1D,1D.1,1D.2).
XksuD14-1B.1{445}. [*ksud14a*{445}]. pTtksuD14.
    (1A.1,1A.2,1B,1B.1,1B.2,1B.3,1D,1D.1,1D.2).
XksuD14-1B.2{445}. [*ksud14b*{445}]. pTtksuD14.
    (1A.1,1A.2,1B,1B.1,1B.2,1B.3,1D,1D.1,1D.2).
XksuD14-1B.3{445}. [*ksud14c*{445}]. 1.73. pTtksuD14.
    (1A.1,1A.2,1B,1B.1,1B.2,1B.3,1D,1D.1,1D.2).
XksuD14-1D{448,1529}[4]. pTtksuD14{448}. (1A.1,1A.2,1B,1B.1,1B.2,1B.3,1D,1D.1,1D.2).
XksuD14-1D.1{1529}[1]. pTtksuD14{448}. (1A.1,1A.2,1B,1B.1,1B.2,1B.3,1D,1D.1,1D.2).
XksuD14-1D.2{1529}[1]. pTtksuD14{448}. (1A.1,1A.2,1B,1B.1,1B.2,1B.3,1D,1D.1,1D.2).
XksuD14a-1D 6.8. (1D).
XksuD14b-1D 38.06. (1D).
XksuD49-1A{0242}. 25.04. pTtksuD49{448}. (1A,1B,1D).
XksuE18-1A{280}[1,5],{1529}[1]. pTtksuE18{448}.
    (1A,1B,1B.3,1D,1D.1,1D.2)(6B)(7A,7B,7B.1).
XksuE18-1B{728,1529}[1]. pTtksuE18{448}. (1A,1B,1B.3,1D,1D.1,1D.2)(6B)(7A,7B,7B.1).
XksuE18-1B.3 36.36. (1A,1B,1B.3,1D,1D.1,1D.2)(6B)(7A,7B,7B.1).
XksuE18-1D{448,1529}[4]. pTtksuE18{448}. (1A,1B,1B.3,1D,1D.1,1D.2)(6B)(7A,7B,7B.1).
XksuE18-1D.1{1529}[1]. pTtksuE18{448}. (1A,1B,1B.3,1D,1D.1,1D.2)(6B)(7A,7B,7B.1).
XksuE18-1D.2{1529}[1]. pTtksuE18{448}. (1A,1B,1B.3,1D,1D.1,1D.2)(6B)(7A,7B,7B.1).
XksuE18a-1A 33.19. (1A,1D).
XksuE18a-1D 32.24. (1A,1D).
XksuE19-1A{154},{445}. [*XksuE19b-1A*{154}]. pTtksuE19{448}. (1A,1B,1D)(6D)(7B).
XksuE19-1B{728,1529}[1]. 36.7. pTtksuE19{448}. (1A,1B,1D)(6D)(7B).
XksuE19-1D{448,1529}[4]. pTtksuE19{448}. (1A,1B,1D)(6D)(7B).
XksuE19a-1D 5.47. (1D).
XksuE19b-1A 32.26. (1A,1D).
XksuE19b-1D 29.23. (1A,1D).
XksuF43-1A{0252}. pTtksuF43{448}. (1A,1B.1,1B.2,1D)(2D)(4D.1,4D.2)(5D.1,5D.2)(6D).
XksuF43-1B.1{1529}. 29.26. pTtksuF43{448}.
    (1A,1B.1,1B.2,1D)(2D)(4D.1,4D.2)(5D.1,5D.2)(6D).
XksuF43-1D{0252}. pTtksuF43{448}. (1A,1B.1,1B.2,1D)(2D)(4D.1,4D.2)(5D.1,5D.2)(6D).
Xksuf43a-1D 8.03. (1D).
XksuG9-1B{728}[1]. pTtksuG9{448}. (1A,1B,1D).
XksuG9-1D{448,1529}[4]. pTtksuG9{448}. (1A,1B,1D).
XksuH9-1B{728}[1]. pTtksuH9. (1A,1A.2,1B,1D)(2A,2D,2D.1,2D.2,2D.3)(4A)(5A)(7A).
XksuH9-1D{448,1529}[4]. [*XksuH9(D)-1D*{448}]. pTtksuH9.
    (1A,1A.2,1B,1D)(2A,2D,2D.1,2D.2,2D.3)(4A)(5A)(7A).
XksuM148-1B{728}. pTtksuM148{448}. (1B,1D).
Xkvl901(Chs)-1B{0091}. [*Chs-1B*{0091}]. pBH72-O8{0098}. (1B,1D).
Xkvl901(Chs)-1D{0091}. [*Chs-D*{0091}]. pBH72-O8{0098}. (1B,1D).
Xkvl902(Fmt)-1B{0091}. [*Fmt-1B*{0091}]. pBH72-F1{0099}. (1B,1D).

Xkvl902(Fmt)-1D{0091}. [*Fmt-1D*{0091}]. pBH72-F1{0099}. (1B,1D).
Xlabc882(Gli-1)-1A{280}[1,3,5],{1529}[1]. [*XGli1-1A*{280,1529}]. pcP387{372}. (1A,1B,1D).
Xlabc882(Gli-1)-1B{1529}[1]. pcP387{372}. (1A,1B,1D).
Xlabc882(Gli-1)-1D{1529}[1]. pcP387{372}. (1A,1B,1D).
Xlabc882(Gli-3)-1A{280}[1,3,5],{1529}[1]. [*XGli3-1A*{280,1529}]. pcP387{372}. (1A,1B).
Xlabc882(Gli-3)-1B{1529}[1]. pcP387{372}. (1A,1B).
XLhcb1-1A{1094}. Pripers for exon of wheat gene gene *Lhcb1*1*. (1A,1B,1D).
XLhcb1-1B{1094}. Primers for exon of wheat gene *Lhcb1*1*. (1A,1B,1D).
XLhcb1-1D{1094}. Primers for exon of wheat gene *Lhcb1*1*.. (1A,1B,1D).
XM51P65-1A.5 20.2. (1A.5,1B.3)(2D.0)(4A.6)(5B.4)(6B.1)(7A.7).
XM62P64-1A.5 9.7. (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7A.8,7B.11,7B.2,7B.9,7D.6).
XM65P64-1B.4 13.48. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7A.2a,7B.2).
XM71P77-1B.9 10.51. (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).
XM77P64-1A.2 8.5. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
XM77P64-1A.13 39.6. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
XM85P65-1B.5 25.38. (1B.5)(2A.4)(5A.0,5A.2)(6A.3,6B.6)(7A.1).
Xmgb40-1A{9959}[2]. MGB40. (1A,1B).
Xmgb40-1B{9959}[2]. MGB40. (1A,1B).
XMGL077-1B 9.02. (1B).
Xmsu488(Lec)-1A{1541,1540}. [*Xlec-1A*{961}]. pNVR1{1186}. (1A,1B,1D).
Xmsu488(Lec)-1B{1541,1540}. [*Xlec-1B*{961}]. pNVR1{1186}. (1A,1B,1D).
Xmsu488(Lec)-1D{1541,1540}. [*Xlec-1D*{961}]. pNVR1{1186}. (1A,1B,1D).
Xmta14(Gli-1)-1B{154}. MTA14{429}. (1B).
Xmta14a-1D 36.29. (1D).
Xmta14b-1B 3.94. (1B).
Xmta14c-1A 15.13. (1A).
Xmta16a-1B 1.45. (1B).
Xmta16b-1D 8.29. (1D).
Xmta16d-1B 11.51. (1B).
Xmta16x-1D 24.51. (1D).
Xmta16y-1A 11.91. (1A).
Xmtd161-1B{154}. [*Xmtd161a-1B*{154}]. MTD161{429}. (1B,1D).
Xmtd161-1D{154}. [*Xmtd161b-1D*{154}]. MTD161{429}. (1B,1D).
Xmtd161a-1B 0.97. (1B).
Xmtd161b-1D 0. (1D).
Xmwg36-1A{445}. MWG36. (1A,1B,1D).
Xmwg36-1B{445}. MWG36. (1A,1B,1D).
Xmwg36-1D{445}. MWG36. (1A,1B,1D).
Xmwg60-1A{280}[1,5]. 24.77. MWG60{467}. (1A,1B). Mapping of the same 1A^m locus with MWG60 and MWG2048 was reported in {282}.
Xmwg60-1B{0250}. MWG60{467}. (1A,1B).
Xmwg60b-1D 9.14. (1D).
Xmwg60d-1B 14.27. (1B).
Xmwg67-1A{1529}. 40.08. MWG67{467}. (1A)(6A,6A.1).
Xmwg68-1A{280}[5], {0252}[1]. MWG68{467}. (1A,1B,1D).
Xmwg68-1B{1529}[1]. MWG68{467}. (1A,1B,1D).
Xmwg68-1D{0252}[1]. 7.15. MWG68{467}. (1A,1B,1D).
Xmwg68a-1B 26.66. (1B).
Xmwg69-1D{0250}. MWG60{467}. (1B,1B.1,1D).
Xmwg77-1B{1181}. 27.14. MWG77{467}. (1B)(5A).
Xmwg570x-1D 3.68. (1D).

Xmwg645-1A.2 45.62. (1A.2,1B).

Xmwg645-1B 38.27. (1A.2,1B).

Xmwg758-1A 47. (1A,1B).

Xmwg758-1B 36.95. (1A,1B).

Xmwg835-1A{0252}. [*Xmwg835a-1A*{0252}]. MWG835.
(1A,1A.1,1A.2,1B.1,1B.2,1D)(2A)(5A).

Xmwg835-1A.1{282}[3]. MWG835{467}. (1A,1A.1,1A.2,1B.1,1B.2,1D)(2A)(5A). Mapping of the same 1A^m, 2A^m, and 5A^m loci with MWG835 and MWG920 was reported in {282}.

Xmwg835-1A.2{282}[3]. MWG835{467}. (1A,1A.1,1A.2,1B.1,1B.2,1D)(2A)(5A). Mapping of the same 1A^m, 2A^m, and 5A^m loci with MWG835 and MWG920 was reported in {282}.

Xmwg835-1B.1{0252}. [*Xmwg835a-1B*{0252}]. MWG835.
(1A,1A.1,1A.2,1B.1,1B.2,1D)(2A)(5A).

Xmwg835-1D{0252}. [*Xmwg835a-1D*{0252}]. MWG835.
(1A,1A.1,1A.2,1B.1,1B.2,1D)(2A)(5A).

Xmwg837-1A{0252}. [*Xmwg837a-1A*{0252}]. MWG837{467}. (1A,1B.1,1B.2,1D).

Xmwg837-1B.1{1529}. MWG837{467}. (1A,1B.1,1B.2,1D).

Xmwg837-1D{1529}. 22.2. MWG837{467}. (1A,1B.1,1B.2,1D).

Xmwg837a-1B 16.72. (1B).

Xmwg837b-1D 6.7. (1B,1D).

Xmwg913-1B.1{0252}. [*Xmwg913a-1B*{0252}]. MWG913. (1B.1,1B.2).

Xmwg913-1B.2{0252}. [*Xmwg913b-1B*{0252}]. MWG913. (1B.1,1B.2).

Xmwg920-1A.1{282}[3]. MWG920{467}. (1A.1,1A.2)(2A)(5A). Mapping of the same 1A^m, 2A^m, and 5A^m loci with MWG920 and MWG835 was reported in {282}.

Xmwg920-1A.2{282}[3]. MWG920{467}. (1A.1,1A.2)(2A)(5A). Mapping of the same 1A^m, 2A^m, and 5A^m loci with MWG920 and MWG835 was reported in {282}.

Xmwg938-1B{1529}. [*Xmwg938a-B*{0252}]. MWG938{467}. (1B,1B.1,1B.2,1D)(7A).

Xmwg938-1B.1{1529, 0252}. [*Xmwg938a-1B*{1529}]. MWG938{467}.
(1B,1B.1,1B.2,1D)(7A).

Xmwg938-1D{1529}. MWG938{467}. (1B,1B.1,1B.2,1D)(7A).

Xmwg938a-1B 11.24. (1B).

Xmwg938b-1D 5.99. (1B,1D).

Xmwg2021-1A.1{280}[3,5]. MWG2021{467}. (1A.1,1A.2,1B.1,1B.2,1D)(2A)(3A).

Xmwg2021-1A.2{280}[1]. 40.37. MWG2021{467}. (1A.1,1A.2,1B.1,1B.2,1D)(2A)(3A).

Xmwg2021-1B.1{0252}. [*Xmwg2021a-1B*{0252}]. MWG2021{467}.
(1A.1,1A.2,1B.1,1B.2,1D)(2A)(3A).

Xmwg2021-1D{0252}. [*Xmwg2021a-1D*{0252}]. MWG2021{467}.
(1A.1,1A.2,1B.1,1B.2,1D)(2A)(3A).

Xmwg2048-1A{282}[3], {0252}[1]. MWG2048{467}. (1A,1B,1D). Mapping of the same 1A^m locus with MWG60 and MWG2048 was reported in {282}.

Xmwg2048-1B{0252}. MWG2048{467}. (1A,1B,1D).

Xmwg2048-1D{0252}. MWG2048{467}. (1A,1B,1D).

Xmwg2056-1A{0252}. [*Xmwg2056a-1A*{0252}]. MWG2056. (1A,1B,1B.2,1D).

Xmwg2056-1B{0252}. [*Xmwg2056a-1B*{0252}]. MWG2056. (1A,1B,1B.2,1D).

Xmwg2056-1D{0252}. [*Xmwg2056a-1D*{0252}]. MWG2056. (1A,1B,1B.2,1D).

Xmwg2083-1A{280}[5], {0250}[1]. MWG2083{467}. (1A,1B.1,1B.2,1D).

Xmwg2083-1B.1{0252}[1]. [*Xmwg2083a-1B*{0252}]. MWG2083{467}. (1A,1B.1,1B.2,1D).

Xmwg2083-1D{0252}[1]. [*Xmwg2083a-1D*{0252}]. MWG2083{467}. (1A,1B.1,1B.2,1D).

Xmwg2148-1A{0252}. [*Xmwg2148a-1A*{0252}]. MWG2148. (1A,1B.1,1B.2,1B.3,1D).

Xmwg2148-1B.1{0252}. [*Xmwg2148a-1B*{0252}]. MWG2148. (1A,1B.1,1B.2,1B.3,1D).

Xmwg2148-1D{0252}. [*Xmwg2148a-1D*{0252}]. MWG2148. (1A,1B.1,1B.2,1B.3,1D).

Xmwg2197-1A{0252}. MWG2197. (1A,1B).

Xmwg2197-1B{0252}. MWG2197. (1A,1B).
Xmwg2245-1A{0252}. MWG2245. (1A,1B).
Xmwg2245-1B{0252}. MWG2245. (1A,1B).
XNor9-1A{276}[3]. *Nor9*{276},pTa71. (1A).
Xopah20-1100-1B 12.48. (1B).
Xopw13-435-1B 0. (1B).
XP31M52-2-1B 2.8. (1B).
XP32M54-4-1A 18.9. (1A).
XP34M51-324-1A 46.47. (1A).
XP34M51-285-1B 13.32. (1B).
XP34M50-10-1B 19.51. (1B).
XP35M48-2-1B 44.63. (1B).
XP38M47-5-1A 13.46. (1A).
XP40M60-138-1A 29.19. (1A).
XP40M61-2-1A 29.97. (1A).
XP40M61-5-1B 41. (1B).
XP42M50-2-1A 29.19. (1A).
XP78M43-1B.7 40.86.
   (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
XP78M71-1A.5 30.5. (1A.5)(2A.7,2B.1)(6B.3)(7A.8,7B.2,7B.6).
XP78M87-1B.8 29.16. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
Xpsp2530(Tel)-1B.1{888}. T4/PSP2530R[a]. (1B.1).
Xpsp2999-1A 12.47. (1A).
Xpsp2999(Glu-3)-1A{252}. PSP2999F/PSP2999R. (1A).
Xpsp3000-1B 1.31. (1B,1D).
Xpsp3000-1D 25.65. (1B,1D).
Xpsp3000(Gli-1-1)-1B{252}. PSP3000F.1,PSP3000F.2/ PSP3000R. (1B).
Xpsp3003-1A{151,1425}. PSP3003F/PSP3003R. (1A)(5A)(7D).
Xpsp3151-1A{151,1425}. 24.6. PSP3151F/PSP3151R. (1A).
Xpsr11(Glu-3)-1A{494}. [*XGli-1A*{961}]. pTag544{066}. (1A,1B,1D).
Xpsr11(Glu-3)-1B{494}. [*XGli-1B*{961}]. pTag544{066}. (1A,1B,1D).
Xpsr11(Glu-3)-1D 6.19. (1A,1B,1D).
Xpsr13(Gli-1-1)-1A{1541,1540}. [*XGli-A*{1541,1540}]. pTag1436{066}. (1A,1B,1D).
Xpsr13(Gli-1-1)-1B{1541,1540}. [*XGli-B*{1541,1540}]. pTag1436{066}. (1A,1B,1D).
Xpsr13(Gli-1-1)-1D{1541,1540}. [*XGli-D1-1*{1541,1540}]. pTag1436{066}. (1A,1B,1D).
Xpsr82(Em)-1A{395}. [*XEm-1A*{395}]. p10-15{1584}. (1A,1B,1D[*]).
Xpsr82(Em)-1B{395}. [*XEm-1B*{395}]. p10-15{1584}. (1A,1B,1D[*]).
Xpsr82(Em)-1D[*]{395}. [*XEm-1D*{395}]. p10-15{1584}. (1A,1B,1D[*]).
Xpsr121(Glb3)-1A{180}. [*Xpsr121-1A*{180}, *XGlb3-1A*{496}]. PSR121{180}.
   (1A,1B,1D)(7A,7B,7D).   The clones PSR121 and pLW2.1 (*Xwia482(Glb3)- 7A,B,D*) detect
   the same locus {246}.
Xpsr121(Glb3)-1B{180}. [*Xpsr121-1B*{180}, *XGlb3-1B*{496}]. PSR121{180}.
   (1A,1B,1D)(7A,7B,7D).   The clones PSR121 and pLW2.1 (*Xwia482(Glb3)- 7A,B,D*) detect
   the same locus {246}.
Xpsr121(Glb3)-1D{180}. [*Xpsr121-1D*{180}, *XGlb3-1D*{496}]. PSR121{180}.
   (1A,1B,1D)(7A,7B,7D).   The clones PSR121 and pLW2.1 (*Xwia482(Glb3)- 7A,B,D*) detect
   the same locus {246}.
Xpsr149-1D{1529}[4]. PSR149{598}. (1D)(6A,6B,6D).
Xpsr161-1A 46.47. (1A).
Xpsr161(Hsp70)-1A{1329}[b]. [*Xpsr161-1A*{1329}]. PSR161. (1A,1B,1D).
Xpsr161(Hsp70)-1B{1329}[b]. [*Xpsr161-1B*{1329}]. PSR161. (1A,1B,1D).

Xpsr161(Hsp70)-1D{1329}[b]. [*Xpsr161-1D*{1329}]. PSR161. (1A,1B,1D).
Xpsr168(Hmgp)-1A{1541,1540}[b]. [*Xpsr168-1A*{1541,1540}]. PSR168. (1A,1B,1D).
Xpsr168(Hmgp)-1B{1541,1540}[b]. [*Xpsr168-1B*{1541,1540}]. PSR168. (1A,1B,1D).
Xpsr168(Hmgp)-1D{1541,1540}[b]. [*Xpsr168-1D*{1541,1540}]. PSR168. (1A,1B,1D).
Xpsr361(Pgk1)-1A{1540}. PSR361. (1A,1B,1D).
Xpsr361(Pgk1)-1B{1540}. PSR361. (1A,1B,1D).
Xpsr361(Pgk1)-1D{1540}. PSR361. (1A,1B,1D).
Xpsr381-1A{1540}. 42.86. PSR381. (1A,1B,1D).
Xpsr381-1B{1540}. PSR381. (1A,1B,1D).
Xpsr381-1D{1540}. PSR381. (1A,1B,1D).
Xpsr393-1A{1541,1540}. PSR393. (1A,1B,1D).
Xpsr393-1B{1541,1540}. PSR393. (1A,1B,1D).
Xpsr393-1D{1541,1540}. PSR393. (1A,1B,1D).
Xpsr540-1A{282}[3]. PSR540{410}. (1A)(2A,2B,2D)(7B).
Xpsr549-1A.2{410}. PSR549{250}. (1A.1,1A.2)(2B)(3A)(5A).
Xpsr593-1B{0031}. [*Xpsr593a-1B*{0031}]. PSR593. (1B)(2B)(4A.2,4B)(7B).
Xpsr596-1A{1540}. PSR596. (1A,1B,1D)(2B)(3A,3B).
Xpsr596-1B{1540}. PSR596. (1A,1B,1D)(2B)(3A,3B).
Xpsr596-1D{1540}. PSR596. (1A,1B,1D)(2B)(3A,3B).
Xpsr634-1B{370,410}. PSR634. (1A,1B,1D).
Xpsr642-1B{0031}. PSR642. (1B).
Xpsr662-1B{598}. PSR662. (1B)(6A)(7A,7B,7D).
Xpsr688-1A{1540}. PSR688. (1A,1B,1D).
Xpsr688-1B{1540}. 42. PSR688. (1A,1B,1D).
Xpsr688-1D{1540}. PSR688. (1A,1B,1D).
Xpsr908-1B{256}. PSR908. (1B)(2A,2D)(6B,6D).
Xpsr937-1A{370,410}. PSR937. (1A,1B,1D).
Xpsr937-1B{370,410}. PSR937. (1A,1B,1D).
Xpsr937-1D{370,410}. PSR937. (1A,1B,1D).
Xpsr949-1A{370,410}. PSR949. (1A,1B,1D).
Xpsr949-1D{370,410}. PSR949. (1A,1B,1D).
Xpsr960-1B{0031}. PSR960. (1B).
Xpsr963-1A{410}. PSR963. (1A,1A.1,1B,1B.2)(5A).
Xpsr963-1A.1 8.5. (1A,1A.1,1B,1B.2)(5A).
Xpsr963-1B{1181}. PSR963. (1A,1A.1,1B,1B.2)(5A).
Xpsr963-1B.2 9.76. (1A,1A.1,1B,1B.2)(5A).
Xpsr1327-1D{410}. 12.61. PSR1327. (1A,1D)(3B)(4A)(5D).
Xpsr884{Ica1}-1A{1540}. [*XIca-1A*{1540}]. pcI-1-4{1585}. (1A,1B,1D[*]).
Xpsr884{Ica1}-1B{1540}. [*XIca-1B*{1540}]. pcI-1-4{1585}. (1A,1B,1D[*]).
Xpsr884{Ica1}-1D[*]{1540}. [*XIca-1D*{1540}]. pcI-1-4{1585}. (1A,1B,1D[*]).
XpsrX-1A{905}. PSRX. (1A,1B,1D).
XpsrX-1B{905}. PSRX. (1A,1B,1D).
XpsrX-1D{905}. PSRX. (1A,1B,1D).
Xrz244-1B{0252}. RZ244{170}. (1A,1B,1D).
Xrz244-1D{0252}. RZ244{170}. (1A,1B,1D).
Xsfr2(Lrk10)-1A{356, 0252}. [*Lrk10*{356}, *XLrk10-1A*{0252}]. Lrk10. (1A,1B,1D)(3B,3D).
Xsfr2(Lrk10)-1B{0252}. [*XLrk10-1B*{0252}]. XLrk10-1B. (1A,1B,1D)(3B,3D).
Xsfr2(Lrk10)-1D{0252}. [*XLrk10-1D*{0252}]. Lrk10. (1A,1B,1D)(3B,3D).
Xsfr3(LRR)-1A{0031}. [*CD9a*{0031}, *CD9b-1A*{0031}]. CD9. (1A,1B).
Xsfr3(LRR)-1B{0031}. [*CD9b-1A*{0031}, *CD9b-1A*{0031}]. CD9. (1A,1B).
Xsfrp2(Lrk10)-1A{1270}. [*STSLrk10-6*{1270}]. Lrk10D1/Lrk10D2. (1A).

XSi2-1A 10. (1A).
XSi_2-1D 28.74. (1D).
Xsun18-1B{0256}. SUN 18F/SUN18R. (1B).
Xtam52-1A{245}. TAM52. (1A,1B,1D).
Xtam52-1B{245}. TAM52. (1A,1B,1D).
Xtam52-1D{245}. TAM52. (1A,1B,1D).
XTri-1A{280}[1,3,5]. 42.86. Tri25-11{1353}. (1A).
Xuaz299-1B{0269}[2]. UAZ299. (1B).
Xubp19-1A.1{410}. pTdubp19. (1A.1,1B.1,1D.1,1D.2).
Xubp19-1B.1{410}. pTdubp19. (1A.1,1B.1,1D.1,1D.2).
Xubp19-1D.2{410}. 3.76. pTdubp19. (1A.1,1B.1,1D.1,1D.2).
Xubp22-1B.2{410}. pTdubp22. (1B.1,1B.2)(3B).
Xunl11-1B{0373}. UNL11. (1B).
Xunl12-1B{0373}. UNL12. (1B).
Xunl13-1B{0373}. UNL13. (1B).
Xunl14-1B{0373}. UNL14. (1B).
Xunl15-1B{0373}. UNL15. (1B).
Xunl16-1B{0373}. UNL16. (1B).
Xunl17-1B{0373}. UNL17. (1B).
Xunl24-1B UNL24. (1B).
Xunl27-1B{0373}. UNL27. (1B).
Xunl31-1B{0373}. UNL31. (1B).
Xutv1(Glu-1-1)-1A{263}. UTV1F/UTV1R. (1A).
Xutv2(Glu-1-1)-1B{263}. UTV2F/UTV2R. (1B).
Xutv3(Glu-1-1)-1D{263}. UTV3F/UTV3R. (1D).
Xutv4(Glu-1-2)-1A{263}. UTV4F/UTV4R. (1A).
Xutv4(Glu-1-2)1B{263}. UTV4F/UTV4R. (1B,1D).
Xutv4(Glu-1-2)1D{263}. UTV4F/UTV4R. (1B,1D).
Xutv10 (Glu-3)-1B{262}. UTV7F/UTV10R. (1B).
Xutv17 (Glu-3)-1B{264}. UTV17F/UTV7R. (1B).
Xutv111-1B{9959}[2]. UTV111. (1B)(3B).
Xutv786-1A{9959}[2]. UTV786. (1A,1B).
Xutv786-1B{9959}[2]. UTV786. (1A,1B).
Xutv1181-1A{9959}[2]. UTV1181. (1A,1B).
Xutv1181-1B{9959}[2]. UTV1181. (1A,1B).
Xutv1334-1B{9959}[2]. UTV1334. (1B).
Xutv1366-1A.1{0269}[2]. [*Xutv1366d-1A*{0269}[2]]. UTV1366. (1A.1,1A.2).
Xutv1366-1A.2{0269}[2]. [*Xutv1366c-1A*{0269}[2]]. UTV1366. (1A.1,1A.2).
Xutv1391-1A{9959}[2]. UTV1391. (1A,1B)(6A).
Xutv1391-1B{0269}[2]. UTV1391. (1A,1B)(6A).
Xutv1518-1A{9959}[2]. UTV1518. (1A,1B,1D)(7A).
Xutv1518-1B{9959}[2]. UTV1518. (1A,1B,1D)(7A).
Xutv1518-1D{0360}[1]. UTV1518. (1A,1B,1D)(7A).
Xvsl106(NBS-LRR)2-1D{0135}. [*rga5.2b*{0135}]. Rga5.2. (1D).
XWB148a-1A 44.4. (1A).
XWB152o-1B 19.09. (1B).
XWC2153a-1A 6.4. (1A).
XWD004db-1A 0. (1A).
Xwg180-1A{280}[5]. 10.52. WG180{545}. (1A,1B)(4B)(7B.1,7B.2).
Xwg180-1B{0354}. WG180{545}. (1A,1B)(4B)(7B.1,7B.2).
Xwg184-1D 0.93. (1D)(2D)(3A)(4D)(5A).

Xwg789-1A{280}[5]. WG789{545}. (1A,1B,1D)(4D).
Xwg789-1B{445}[1]. WG789{545}. (1A,1B,1D)(4D).
Xwg789-1D{1529}[4],{9926}[4]. WG789{545}. (1A,1B,1D)(4D).
Xwg811-1A{280}[5]. WG811{545}. (1A,1B,1D). Mapping of the same 1A locus with WG789 and WG811 was reported in {280}.
Xwg811-1D{1529}[4]. WG811{545}. (1A,1B,1D). Mapping of the same 1A locus with WG789 and WG811 was reported in {280}.
Xwhs179-1B{1529}. WHS179{545}. (1B,1B.1,1B.2,1D.1,1D.2).
Xwhs179-1B.1 7.62. (1B,1B.1,1B.2,1D.1,1D.2).
Xwhs179-1D.1{1529}. 9.2. WHS179{545}. (1B,1B.1,1B.2,1D.1,1D.2).
Xwhs179-1D.2{1529}. 24.51. WHS179{545}. (1B,1B.1,1B.2,1D.1,1D.2).
Xwhs179a-1B 7.62. (1B,1D).
Xwhs179a-1D 24.51. (1B,1D).
Xwhs2001-1D{0370}. [*XaAXT/CAA-1D*{0370}]. (1D).
Xwia482(Glb3)-1A{496}. [*XGlb3-1A*{496}]. pLW2.1{833}. (1A,1B,1D)(7A,7B,7D). The clones PSR121 and pLW2.1 (*Xwia484 (Glb3) -1A,B,D; 7A,B,D*) detect the same locus {246}.
Xwia482(Glb3)-1B{496}. [*XGlb3-1B*{496}]. pLW2.1{833}. (1A,1B,1D)(7A,7B,7D). The clones PSR121 and pLW2.1 (*Xwia484 (Glb3) - 1A,B,D; 7A,B,D*) detect the same locus {246}.
Xwia482(Glb3)-1D{496}. [*XGlb3-1D*{496}]. pLW2.1{833}. (1A,1B,1D)(7A,7B,7D). The clones PSR121 and pLW2.1 (*Xwia484 (Glb3) - 1A,B,D; 7A,B,D*) detect the same locus {246}.
Xwmc24-1A{0242}. [*Xwmc024-1A*{0242}]. 37.4. WMC 24F/WMC 24R. (1A)(2A).
Xwmc49-1B{0348}. WMC 49F/WMC 49R. (1B).
Xwmc85-1D 9.49. (1D)(3B.2).
Xwmc85a-1B 22.34. (1B).
Xwmc95b-1A 34.69. (1A).
Xwmc104-1A 29.17. (1A)(6B).
Xwmc147-1D{0242}. 0. WMC 147F/WMC 147R. (1D).
Xwmc153-1D 3.14. (1D)(3A).
Xwmc173y-1D 3.18. (1D).
Xwmc222-1B 17.78. (1B,1D).
Xwmc222-1D 26.34. (1B,1D).
Xwmc278-1A 44.16. (1A).
Xwmc286-1A.5 44.98. (1A.5)(3A.2)(7A.4).
Xwmc329-1A.1 29.34. (1A.1,1B).
Xwmc329-1B{0348}. WMC 329F/WMC 329R. (1A.1,1B).
Xwmc333-1A{0165}. WMC 333F/WMC333R{0166}. (1A)(5B.2).
Xwmc336-1D{0242}. 16.82. WMC 336F/WMC 336R. (1D).
Xwmc336a-1A 21.52. (1A).
Xwmc406-1B{0242}. 27.92. WMC 406F/WMC 406R. (1B).
Xwmc432-1D{0242}. 12.73. WMC 432F/WMC 432R. (1D).
Xwmc500c-1B 27.92. (1B).
Xycu1198-1A{9935}[3]. YCU1198. (1A).

2. Group 1L

ATPase-1D{1529}. cNP5{1578}. (1D).
Glu-1A-1A 67.8. (1A).
Glu-1D-1D 80.24. (1D).
Glu-B1-1B 65.54. (1B).
M17/P65-1B.1 69.17. (1B.1)(3B.2).
M17/P77-1A.15 62.1. (1A.15)(3A.12).
M21/P76-1A.5 119.7. (1A.5)(3B.3)(4A.4)(7B.9).

M60/P64-1A.8 51. (1A.8)(2A.6)(3B.11,3B.13,3B.5a)(4A.1,4A.10)(5A.4)(6A.2).
M51/P65-1B.3 80.71. (1A.5,1B.3)(2D.0)(4A.6)(5B.4)(6B.1).
M67/P77-1B.5 79.68. (1B.5)(3B.3)(4A.6)(7B.2).
M71/P77-1A.5 121.8. (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).
M83/P65-1A.1 51. (1A.1)(2A.2)(3B.10,3D.9)(7B.7).
Nor.b1-1B 45.71. (1B).
P31/M52-3-1D 64.76. (1D).
P31/M53-3-1B 67.52. (1B).
P32/M52-120-1B 49. (1B).
P32/M52-145-1D 113.76. (1D).
P32/M53-2-1D 111.82. (1D).
P32/M54-5-1B 71.61. (1B).
P33/M49-3-1D 112.67. (1D).
P34/M50-6-1A 50. (1A).
P34/M50-8-1D 52.51. (1D).
P34/M51-8-1D 113.76. (1D).
P34/M51-205-1D 112.67. (1D).
P34/M51-341-1A 53.91. (1A).
P35/M39-5-1D 54.45. (1D).
P35/M48-2-1B 48. (1B).
P35/M49-1-1A 90.81. (1A).
P35/M51-2-1B 71.61. (1B).
P35/M76-2-1D 113.76. (1D).
P36/M47-5-1D 85.26. (1D).
P36/M49-3-1D 112.67. (1D).
P36/M50-5-1D 112.67. (1D).
P36/M54-7-1D 112.67. (1D).
P36/M54-8-1D 66.34. (1D).
P36/M67-1-1B 113.32. (1B).
P36/M68-2-1D 53.48. (1D).
P36/M353-1D 108.91. (1D).
P37/M51-6-1D 112.67. (1D).
P37/M64-249-1B 63.9. (1B).
P37/M64-288-1D 50.94. (1D).
P38/M47-9-1B 71.61. (1B).
P38/M50-2-1D 112.67. (1D).
P38/M54-6-1D 111.82. (1D).
P39/M39-5-1D 53.48. (1D).
P39/M50-10-1B 70.44. (1B).
P39/M69-239-1A 53.22. (1A).
P40/M47-3-1A 65.23. (1A).
P40/M51-8-1D 53.48. (1D).
P41/M35-1-1D 110.73. (1D).
P41/M40-4-1D 111.82. (1D).
P41/M51-182-1B 71.61. (1B).
P41/M61-7-1D 53.48. (1D).
P41/M351-1D 110.73. (1D).
P41/M404-1D 111.82. (1D).
P42/M47-2-1A 70.33. (1A).
P42/M50-6-1D 113.76. (1D).
P42/M51-295-1A 63.5. (1A).

P43/M62-3-1B 61.92. (1B).
P44/M54-1-1B 64.6. (1B).
P78/M69-1A.4 133.1. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B).
P78/M72-1B.4 73.4. (1B.4)(2B.8,2D.4a)(5B.3)(6B.7).
P78/M92-1B.2 75.56. (1B.2)(2A.10)(3B.0,3B.3,3B.5).
P78/M92-4-1A 107.6. (1A).
Xabc151-1B{0252}[1]. ABC151{664}. (1B,1D).
Xabc151-1D{1529}[4]. ABC151{664}. (1B,1D).
Xabc152-1A.1{280}[3,5]. ABC152{664}. (1A.1,1A.2)(7A).
Xabc152-1A.2{280}[3,5]. ABC152{664}. (1A.1,1A.2)(7A).
Xabc155a-1A 65.07. (1A).
Xabc160-1A{280}[5]. ABC160{664}. (1A,1B,1D).
Xabc160-1B{445}[1]. ABC160{664}. (1A,1B,1D).
Xabc160-1D{445}[1]. ABC160{664}. (1A,1B,1D).
Xabc257-1A{282}[3]. ABC257{664}. (1A).
Xabc261-1A{280}[3]. ABC261{664}. (1A).
Xabg55-1A.1{282}[3]. ABG55{664}. (1A.1,1A.2)(3A)(4A)(5A). Mapping of the same 1A^m,
    3A^m, 4A^m, and 5A^m loci with ABG55 and ABG387 was reported in {282}.
Xabg55-1A.2{282}[3]. ABG55{664}. (1A.1,1A.2)(3A)(4A)(5A). Mapping of the same 1A^m,
    3A^m, 4A^m, and 5A^m loci with ABG55 and ABG387 was reported in {282}.
Xabg373-1A{1529}[1]. ABG373{664}. (1A,1A.1,1B,1D).
Xabg373-1A.1 52. (1A,1A.1,1B,1D).
Xabg373-1B{1529}[1]. 48. ABG373{664}. (1A,1A.1,1B,1D).
Xabg373-1D{1529}[4]. ABG373{664}. (1A,1A.1,1B,1D).
Xabg387-1A.1{282}[3]. ABG387{664}. (1A.1,1A.2,1B,1D)(3A)(4A)(5A)(6A,6B). Mapping
    of the same 1A^m, 3A^m, 4A^m, and 5A^m loci with ABG387 and ABG55 was reported in {282}.
Xabg387-1A.2{282}[3]. ABG387{664}. (1A.1,1A.2,1B,1D)(3A)(4A)(5A)(6A,6B). Mapping
    of the same 1A^m, 3A^m, 4A^m, and 5A^m loci with ABG387 and ABG55 was reported in {282}.
Xabg387-1B{445}[1]. ABG387{664}. (1A.1,1A.2,1B,1D)(3A)(4A)(5A)(6A,6B). Mapping of
    the same 1A^m, 3A^m, 4A^m, and 5A^m loci with ABG387 and ABG55 was reported in {282}.
Xabg387-1D{445}[1]. ABG387{664}. (1A.1,1A.2,1B,1D)(3A)(4A)(5A)(6A,6B). Mapping of
    the same 1A^m, 3A^m, 4A^m, and 5A^m loci with ABG387 and ABG55 was reported in {282}.
Xabg452-1B{0252}[1]. ABG452{664}. (1A,1B,1D).
Xabg452-1D{0252}[1]. ABG452{664}. (1A,1B,1D).
Xabg464-1A{280}[3]. ABG464{664}. (1A)(2D).
XAdh3-1A 83.55. (1A).
XAdh-1D 90.81. (1D).
XATPase-1D 94.12. (1D)(3A,3A.2,3B.1,3B.2).
XATPasea-1D 94.12. (1D)(3B).
XAWM237-1A 115.4. (1A).
XAWM254-1A 51. (1A).
Xbarc17-1A 136.4. (1A).
Xbarc28-1A 56.6. (1A).
Xbarc61-1B 74.6. (1B).
Xbarc62-1D 122.32. (1D).
Xbarc66-1D 93.2. (1D).
Xbarc80-1B 114.44. (1B).
Xbarc81-1B 86.46. (1B).
Xbarc99-1D 53.3. (1D).
Xbarc119-1D 122.22. (1A,1D).
Xbarc120-1A 53.2. (1A).

Xbarc137-1B 58.64. (1B).
Xbarc158-1A 139.3. (1A).
Xbarc162-1A 51. (1A).
Xbarc169-1D 61.5. (1D).
Xbarc174-1B 62.65. (1B).
Xbarc181-1B 62.41. (1B).
Xbarc187-1B 58.8. (1B).
Xbarc188-1B 82.05. (1B).
Xbarc213-1A 120.5. (1A).
Xbarc229-1D.1 52.1. (1D.1,1D.2).
Xbarc229-1D.2 44.2. (1D.1,1D.2).
Xbarc240-1B 59.6. (1B).
Xbarc271-1D 98.82. (1D).
Xbarc287-1A 137.2. (1A).
Xbarc302-1B 64.49. (1B).
Xbarc346-1D 107.94. (1D).
Xbcd12-1A{280}[1,3,5]. 49. BCD12{545}. (1A,1B).
Xbcd12-1B{1529}[1]. 57.31. BCD12{545}. (1A,1B).
Xbcd21-1B 85.11. (1B)(3B)(5A,5D)(6A,6B,6D).
Xbcd22-1A{280}[5]. 60.32. BCD22{545}. (1A,1B,1D)(3A).
Xbcd22-1B{0242, 0252}[1]. BCD22{545}. (1A,1B,1D)(3A).
Xbcd22-1D{0252}[1]. 53.24. BCD22{545}. (1A,1B,1D)(3A).
Xbcd187-1A 72.06. (1A).
Xbcd200-1A{280}[5]. 49. BCD200{545}. (1A,1B,1D)(7A).
Xbcd200-1B{1529}[1]. 48. BCD200{545}. (1A,1B,1D)(7A).
Xbcd200-1D 49.81. (1A,1B,1D)(7A).
Xbcd207-1A{280}[5]. BCD207{545}. (1A,1B)(5A).
Xbcd207-1B{0274}[1]. BCD207{545}. (1A,1B)(5A).
Xbcd265-1A{1529}[1],{280}[5]. 72.06. BCD265{545}. (1A,1B,1D)(2B)(4B,4D)(5A).
Xbcd265-1B{445}[1]. BCD265{545}. (1A,1B,1D)(2B)(4B,4D)(5A).
Xbcd265-1D{445}[1]. BCD265{545}. (1A,1B,1D)(2B)(4B,4D)(5A).
Xbcd265A-1B 71.61. (1B).
Xbcd304-1A{280}[5]. BCD304{545}. (1A,1B,1D).
Xbcd304-1B{1529}[1]. 71.61. BCD304{545}. (1A,1B,1D).
Xbcd304-1D{445}[1]. BCD304{545}. (1A,1B,1D).
Xbcd304.a-1A 113.2. (1A).
Xbcd304b-1A 75.08. (1A).
Xbcd310-1A{0242}. BCD310(7B). (1A,1B)(7B).
Xbcd310-1B{445}. BCD310. (1A,1B)(7B).
Xbcd338-1B{1529}. 52.46. BCD338{545}. (1B).
Xbcd372-1B{0252}. BCD372. (1B,1D)(3A,3A.1,3D).
Xbcd372-1D{0252}. BCD372. (1B,1D)(3A,3A.1,3D).
Xbcd386-1A{280}[5]. BCD386{545}. (1A,1B,1D).
Xbcd386-1B{1529}[1]. 60.08. BCD386{545}. (1A,1B,1D).
Xbcd386-1D{445}[1]. BCD386{545}. (1A,1B,1D).
Xbcd402-1D{0242}. 63.79. BCD402. (1D)(4A,4B,4D)(5A).
Xbcd441-1B{1529}. 73.6. BCD441{545}. (1B).
Xbcd442-1A{280}[3,5]. BCD442{545}. (1A,1B).
Xbcd442-1B{1529}[1]. BCD442{545}. (1A,1B).
Xbcd442a-1B 50. (1B).
Xbcd442b-1B 80.29. (1B).

Xbcd446-1A{280}[5]. 54.51. BCD446{545}. (1A,1B).
Xbcd446-1B{0275}. BCD446. (1A,1B).
Xbcd454-1A{1529}[5]. BCD454{545}. (1A,1B)(5A).
Xbcd508-1A{282}[3]. BCD508{028,545}. (1A,1B,1B.2,1D)(5A,5B,5B.1,5D.1,5D.2).
Xbcd508-1B{1529}[1]. BCD508{028,545}. (1A,1B,1B.2,1D)(5A,5B,5B.1,5D.1,5D.2).
Xbcd508-1B.2 90.79. (1A,1B,1B.2,1D)(5A,5B,5B.1,5D.1,5D.2).
Xbcd508-1D{1529}[1]. BCD508{028,545}. (1A,1B,1B.2,1D)(5A,5B,5B.1,5D.1,5D.2).
Xbcd508c-1D 101.69. (1D).
Xbcd592-1A{280}[5]. BCD592{545}. (1A).
Xbcd738-1A{280}[5]. 69.52. BCD738{545}. (1A,1B). Mapping of the same locus with
    clones BCD738 and P7 [*Xpsr462(Pgk)1-1A*] was reported in {280}.
Xbcd738-1B{445}[1]. BCD738{545}. (1A,1B). Mapping of the same locus with clones
    BCD738 and P7 [*Xpsr462(Pgk)1-1A*] was reported in {280}.
Xbcd762-1A.1{280}[5]. [*Xbcd762-1A*{280}[5]]. BCD762{545}. (1A.1,1A.2,1B,1B.1,1B.2,1D).
Xbcd762-1B 50. (1A.1,1A.2,1B,1B.1,1B.2,1D).
Xbcd762-1B.1{1529, 0252}[1]. [*Xbcd762-1B*{1529,0252}[1]]. 49.07. BCD762{545}.
    (1A.1,1A.2,1B,1B.1,1B.2,1D).
Xbcd808-1A.1{1529}[1], {280}[1,3,5]. BCD808{545}. (1A.1,1A.2,1B)(4A).
Xbcd808-1A.2{1529}[1]. BCD808{545}. (1A.1,1A.2,1B)(4A).
Xbcd808-1B{0242}. BCD808{545}. (1A.1,1A.2,1B)(4A).
Xbcd921-1A{280}[5]. BCD921{545}. (1A,1B,1D).
Xbcd921-1B{0252}[1]. 921{545}. (1A,1B,1D).
Xbcd921-1D{445}[1]. BCD921{545}. (1A,1B,1D).
Xbcd1150-1B.1{1529}. BCD1150{545}. (1B.1,1B.2).
Xbcd1150-1B.2{1529}. BCD1150{545}. (1B.1,1B.2).
Xbcd1150a-1B 69.96. (1B).
Xbcd1150Dra-1D 70.46. (1D).
Xbcd1261-1A{282}[3]. BCD1261{028,545}. (1A,1B,1B.1,1D).
Xbcd1261-1B{1529}[1]. BCD1261{028,545}. (1A,1B,1B.1,1D).
Xbcd1261-1B.1 95.36. (1A,1B,1B.1,1D).
Xbcd1261-1D{1529}[1]. BCD1261{028,545}. (1A,1B,1B.1,1D).
Xbcd1261a-1D 97.62. (1D).
Xbcd1407-1A{1529}. BCD1407{545}. (1A,1A.1)(6B).
Xbcd1407-1A.1 60.8. (1A,1A.1)(6B).
Xbcd1434RV-1A 91.76. (1A).
Xbcd1449-1B{1529}. 50. BCD1449{545}. (1B).
Xbcd1495-1B{0269}[2]. BCD1495. (1B)(6B).
Xbcd1514-1B{1529}. 96.21. BCD1514{545}. (1B).
Xbcd1562-1B{1529}. 98.01. BCD1562{545}. (1B,1D).
Xbcd1562-1D{445}. BCD1562{545}. (1B,1D).
Xbcd1889-1A{1529}. 78.9. BCD1889{545}. (1A,1B)(4D).
Xbcd1889-1B 61.92. (1A,1B)(4D).
Xbcd1930-1A{1529}[1], {280}[5]. BCD1930{545}. (1A,1A.1,1D).
Xbcd1930-1A.1 77.3. (1A,1A.1,1D).
Xbcd1930-1D{280}[1]. BCD1930{545}. (1A,1A.1,1D).
Xbcd1930a-1D 86.08. (1D).
Xbd1150-1B.1 68.66. (1B.1,1B.2).
Xbd1150-1B.2 70.83. (1B.1,1B.2).
Xbg522-1D{1529}[4]. BG522{664}. (1D).
Xbg542-1D{1529}[4]. BG542{664}. (1D)(3D).
Xbg958-1D{1529}[4]. BG958{664}. (1D).

Xcdo57-1A{0354}. [*Xcdo57a-1A*{9354}]. (1A)(2A,2A.3)(5A,5B,5D)(7A,7B,7D).
Xcdo89-1A 90.7. (1A,1D).
Xcdo89-1D{1529}. 49.1. CDO89{545}. (1A,1D).
Xcdo92-1B{1529}. 52.63. CDO92{545}. (1B).
Xcdo92b-1A 59.28. (1A).
Xcdo98-1A{1529}. 50. CDO98{545}. (1A,1B,1B.2).
Xcdo98-1B{1529}. CDO98{545}. (1A,1B,1B.2).
Xcdo98-1B.2 53.67. (1A,1B,1B.2).
Xcdo105-1A{280}[1,5]. 49. CDO105{545}. (1A,1B,1D)(3B).
Xcdo105-1B{0275}[1]. CDO105{545}. (1A,1B,1D)(3B).
Xcdo105-1D 87.32. (1A,1B,1D)(3B).
Xcdo127-1B{1529}. 50.9. CDO127{545}. (1A,1B,1B.1,1B.2,1D)(3A.1,3A.2).
Xcdo278-1B{1529}. 56.96. CDO278{545}. (1B).
Xcdo278Dra-1A 60.73. (1A).
Xcdo312-1A{1529}[1],{280}[5]. 57.19. CDO312{545}. (1A,1D).
Xcdo312-1D{1529}[1]. CDO312{545}. (1A,1D).
Xcdo312a-1D 77.45. (1D).
Xcdo346-1B{1529}. CDO346{545}. (1B,1B.2)(2A)(5D).
Xcdo346-1B.2 102.9. (1B,1B.2)(2A)(5D).
Xcdo388-1B.2{0252}. [*Xcdo388b-1B*{0252}]. CDO388.
  (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2).
Xcdo388b-1B 66.82. (1B,1D).
Xcdo393-1A{1529}[1], {280}[3]. 131.7. CDO393{545}. (1A,1B,1D).
Xcdo393-1B {981050},{154}[1]. 72.2. CDO393{545}. (1A,1B,1D).
Xcdo393-1D{0242}[1]. CDO393{545}. (1A,1B,1D).
Xcdo393A-1D 112.67. (1D).
Xcdo473-1A{1529}. 57.5. CDO473{545}. (1A,1B).
Xcdo473-1B{0242}. CD0473{545}. (1A,1B).
Xcdo572-1A{280}[3,5]. CDO572{545}. (1A,1B,1D).
Xcdo572-1B{445}[1]. CDO572{545}. (1A,1B,1D).
Xcdo572-1D{445}[1]. CDO572{545}. (1A,1B,1D).
Xcdo580-1D{0252}. [*Xcdo580a-1D*{0252}]. 53.48. CDO580{545}. (1A,1B.1,1B.2,1D).
Xcdo583-1B{0242}. [*Xcdo583a-1B*{0242}]. CDO583. (1B)(3B).
Xcdo618-1B{0269}[2],{1529}. 52.98. CDO618. (1A,1B,1D).
Xcdo637-1B{1529}. 65.7. CDO637{545}. (1B).
Xcdo844-1A{445}. [*cdo844*{445}]. CDO844. (1A).
Xcdo1160-1A{1529}. 99.63. CDO1160{545}. (1A,1B).
Xcdo1160-1B{0275}. CDO1160{545}. (1A,1B).
Xcdo1160a-1B 71.61. (1B).
Xcdo1173-1B{1529}[1]. 53.33. CDO1173{545}. (1A,1B,1D).
Xcdo1173-1D{445}[1]. 53.48. CDO1173{545}. (1A,1B,1D).
Xcdo1188-1A.2{9957}. [*Xcdo1188-1A*{9957}]. CDO1188{545}.
  (1A.1,1A.2,1B.1,1B.2,1D.1).
Xcdo1188-1B.2{9957}. [*Xcdo1188-1B*{9957}, *Xcdo1188-1B*{9957}]. CDO1188{545}.
  (1A.1,1A.2,1B.1,1B.2,1D.1).
Xcdo1188b-1A 76.69. (1A).
Xcdo1189-1B{1529}. 95.36. CDO1189{545}. (1B)(5A,5B,5D)(7B).
Xcdo1196-1B 77.03. (1B).
Xcdo1312-1B{028}. [*XcnlCDO1312-1B*{961}]. CDO1312.
  (1B)(4B,4B.1,4D)(5A,5D.1,5D.2).
Xcdo1396-1A{280}[5]. CDO1396{545}. (1A,1B).

Xcdo1396-1B{0275}[1]. CDO1396{545}. (1A,1B).

Xcdo1420-1D{1529}. 114.52. CDO1420{545}. (1D).

Xcdo1473b-1B 49. (1B).

Xcfa2056b-1A 96.39. (1A).

Xcfa2129-1A 82.68. (1A).

Xcfa2135-1A 55.58. (1A).

Xcfa2147b-1D 108.14. (1D).

Xcfa2147c-1B 97.28. (1B).

Xcfa2187c-1D 110.1. (1D).

Xcfa2219-1A 126.31. (1A).

Xcfa2241-1B 55.92. (1B).

Xcfa2292-1B 102. (1B).

Xcfd19a-1D 73.71. (1D)(6D).

Xcfd19c-1D 111.19. (1D)(5D).

Xcfd21b-1D 47.1. (1D).

Xcfd27-1D{0349}. 164.38. CFD 27F/CFD 27R. (1D).

Xcfd28-1D{0349}. 83.54. CFD 28F/CFD 28R. (1D).

Xcfd32-1D{0349}. 129.34. CFD 32F/CFD 32R. (1D).

Xcfd58-1D{0349}. 87.3. CFD 58F/CFD 58R. (1D).

Xcfd59a-1D 83.54. (1D).

Xcfd61-1D{0349}. 47.1. CFD 61F/CFD 61R. (1D).

Xcfd63-1D{0349}. 179.61. CFD 63F/CFD 63R. (1D).

Xcfd65a-1D 87.3. (1D).

Xcfd72-1D{0349}. 83.54. CFD 72F/CFD 72R. (1D).

Xcfd83-1D{0349}. 83.54. CFD 83F/CFD 83R. (1D).

Xcfd282-1D 113.75. (1D).

Xcmwg645-1A.2{280}[5]. [*Xmwg645*{280,1529}]. cMWG645{467}. (1A.1,1A.2,1B,1B.1,1B.2,1D.1)(5A).

Xcmwg645-1B 50. (1A.1,1A.2,1B,1B.1,1B.2,1D.1)(5A).

Xcmwg645-1B.2{1529, 0250}[1]. [*Xmwg645*{280,1529}, *Xcmwg645b-1B*{0252}]. 49.34. cMWG645{467}. (1A.1,1A.2,1B,1B.1,1B.2,1D.1)(5A).

Xcmwg649-1B{277}[2]. cMWG649{467}. (1B)(2A).

Xcmwg676-1A{280}[1,3,5]. [*Xmwg676-1A*{280}]. cMWG676{467}. (1A).

Xcmwg693-1D{1529}. 109.66. cMWG693{467}. (1D).

Xcmwg695-1D 88.87. (1D).

Xcmwg701-1A{280}[5],{282}[3]. cMWG701{467}. (1A,1A.1,1A.2,1D)(5A.1,5A.2). Mapping of the same 1A and 5A loci with cMWG701 and pKG1490 [*Xpkg1490(Cab2)-1A* and *Xpkg1490(Cab2)-5A*] was reported in {280} and {282}.

Xcmwg701-1A.1{277}[2]. cMWG701{467}. (1A,1A.1,1A.2,1D)(5A.1,5A.2).

Xcmwg701-1A.2{277}[2]. cMWG701{467}. (1A,1A.1,1A.2,1D)(5A.1,5A.2).

Xcmwg701-1D{1529}[1]. 96.04. cMWG701{467}. (1A,1A.1,1A.2,1D)(5A.1,5A.2). Mapping of the same 1A and 5A loci with cMWG701 and pKG1490 [*Xpkg1490(Cab2)-1A* and *Xpkg1490(Cab2)-5A*] was reported in {280} and {282}.

Xcmwg706-1A{1529}[1],{280}[3,5]. [*Xmwg706-1A*{1529,280}]. 77.76. cMWG706{467}. (1A,1D.1,1D.2).

Xcmwg706-1D.1{9926}[4]. cMWG706{467}. (1A,1D.1,1D.2).

Xcmwg706-1D.2{9926}[4]. cMWG706{467}. (1A,1D.1,1D.2).

Xcmwg733-1A{280}[3,5],{1529}[1]. [*Xmwg733-1A*{280,282}]. 69.38. cMWG733{467}. (1A,1B,1D,1D.3).

Xcmwg733-1B{1529}[1]. cMWG733{467}. (1A,1B,1D,1D.3).

Xcmwg733-1D{1529}[1]. cMWG733{467}. (1A,1B,1D,1D.3).

Xcmwg733-1D.3 87.63. (1A,1B,1D,1D.3).
Xcmwg733b-1B 75.8. (1B).
Xcmwg758-1A{280}[1,3,5]. [*Xmwg758-1A*{280,1529}]. cMWG758{467}. (1A,1B,1D).
Xcmwg758-1B{1529}[1]. [*Xmwg758-1A*{280,1529}]. 58.08. cMWG758{467}. (1A,1B,1D).
Xcmwg758-1D{9926}[4],{0252}. [*Xmwg758-1D*{9926}]. cMWG758{467}. (1A,1B,1D).
Xcn115-1A 50.33. (1A).
Xcnl5a-1A 96.41. (1A).
Xcnl15-1A 52. (1A).
Xcsa117-1D{1529}[4]. [*XcsA117-1D*{1529}]. csA117{757}. (1D).
XcsEND2-4-1D 57. (1D).
Xcsih52-1D{1529}[4]. [*XcsIH52-1D*{1529}]. csIH52{757}. (1D).
Xcsih69-1D.2{757}[4]. [*XcsIH69*{757}]. csIH69{757}. (1A,1D.1,1D.2)(2D).
Xcsl24-1D{1529}[4]. [*XcsL24-1D*{1529}]. csL24{757}. (1D).
Xcsl26-1D{1529}[4]. [*XcsL26-1D*{1529}]. csL26{757}. (1D).
XEm-1A 49. (1A).
Xfba8-1D{154}. 67.07. FBA008. (1D)(2A)(3B)(4B)(6A)(7D).
Xfba28-1B 56.37. (1B).
Xfba34-1B.1{154}. [*Xfba34a-1B*{154}]. FBA034. (1B.1,1B.2).
Xfba34-1B.2{154}. [*Xfba34b-1B*{154}]. FBA034. (1B.1,1B.2).
Xfba34a-1B 104.64. (1B).
Xfba34b-1B 67.71. (1B).
Xfba92-1A{154}. 85.12. FBA092. (1A).
Xfba118a-1D 67.82. (1D).
Xfba118b-1A 52.55. (1A).
Xfba134b-1B 92.76. (1B).
Xfba171b-1B 57.62. (1B).
Xfba177-1B{154}. [*Xfba177a-1B*{154}]. FBA177. (1B)(4B,4D)(5A).
Xfba177a-1B 50. (1B)(4B).
Xfba178-1B{154}. [*Xfba178b-1B*{154}]. FBA178. (1B)(2A).
Xfba178b-1B 82.79. (1B).
Xfba234-1A{154}. 98.71. FBA234. (1A)(6A,6A.1)(7A).
Xfba245-1B 64.46. (1B).
Xfba250-1D{154}. 70. FBA250. (1D).
Xfba250b-1D 70. (1D).
Xfba266-1A.1{154}. [*Xfba266a-1A*{154}]. FBA266. (1A.1,1A.2).
Xfba266-1A.2{154}. [*Xfba266b-1A*{154}]. FBA266. (1A.1,1A.2).
Xfba266a-1A 113.53. (1A).
Xfba266c-1B 109.12. (1B).
Xfba268a-1D 83.73. (1D).
Xfba268b-1A 113.62. (1A).
Xfba268c-1B 105.11. (1B).
Xfba279a-1D 99.22. (1D).
Xfba279b-1A 110.78. (1A).
Xfba294-1B 91.01. (1B).
Xfba309-1B{154}. 86.81. FBA309. (1B).
Xfba311b-1A 96.41. (1A)(2D)(7B).
Xfba316-1A{154}. 81.69. FBA316. (1A).
Xfba319-1B 59.34. (1B).
Xfba383-1D{154}. [*Xfba383a-1D*{154}]. 67.07. FBA383. (1D).
Xfbb12-1D 84.21. (1D).
Xfbb35-1B{154}. FBB035. (1B).

Xfbb35a-1B 46. (1B).
Xfbb67c-1B 60.86. (1B,1D).
Xfbb90a-1B 65.44. (1B).
Xfbb90b-1D 81.61. (1D).
Xfbb121c-1B 58.32. (1B).
Xfbb142a-1A 98.12. (1A).
Xfbb171-1A 101.66. (1A)(2B).
Xfbb180-1B{154}. [*Xfbb180a-1B*{154}]. 60.96. FBB180. (1B).
Xfbb194a-1D 75.41. (1D).
Xfbb251b-1B 59.08. (1B)(2D)(4D).
Xfbb255-1A{154}. [*Xfbb255c-1A*{154}]. FBB255. (1A,1B)(4B)(5A,5A.1,5A.2,5D)(6A).
Xfbb255-1B{154}. [*Xfbb255a-1B*{154}]. FBB255. (1A,1B)(4B)(5A,5A.1,5A.2,5D)(6A).
Xfbb255a-1B 66.19. (1B)(4B).
Xfbb260b-1B 88.18. (1B,1D).
Xfbb274b-1A 52.55. (1A).
Xfbb275a-1B 85.93. (1B).
Xfbb275c-1D 92.96. (1D).
Xfbb283d-1B 53.28. (1B).
Xfbb329b-1B 64.7. (1B).
Xfbb377d-1D 60.79. (1D).
Xgbx3076-1A{9958}. 61.52. gbx3076. (1A,1B).
Xgbx3147-1B{9958}. 60.19. gbx3147. (1B).
Xgbx3581-1B{9958}. [*Xgbx3581a-1B*{9958}]. gbx3581. (1B)(2A)(4B).
XgbxG80-1B{9958}. [*XgbxG080-1B*{9958}]. 46. gbxG080. (1B).
XgbxG97-1A{9958}. [*XgbxG097a-1A*{9958}]. 114.14. gbxG097. (1A,1D).
XgbxG97-1D{9958}. [*XgbxG097b-1D*{9958}]. 121.8. gbxG097. (1A,1D).
XgbxG160-1B{9958}. gbxG160. (1B).
XgbxG160x-1B 73.89. (1B).
XgbxG177-1D{9958}. gbxG177. (1A,1B,1D).
XgbxG178-1B{9958}. [*XgbxG178a-1B*{9958}]. 54.13. gbxG178. (1B).
XgbxG259-1A{9958}. [*XgbxG259c-1A*{9958}]. gbxG259. (1A,1B.1,1B.2,1D.1,1D.2).
XgbxG259-1B.1{9958}. [*XgbxG259b*{9958}]. gbxG259. (1A,1B.1,1B.2,1D.1,1D.2).
XgbxG259-1B.2{9958}. [*XgbxG259e-1B*{9958}]. gbxG259. (1A,1B.1,1B.2,1D.1,1D.2).
XgbxG259-1D.1{9958}. [*XgbxG259a*{9958}]. gbxG259. (1A,1B.1,1B.2,1D.1,1D.2).
XgbxG259-1D.2{9958}. [*XgbxG259d-1D*{9958}]. gbxG259. (1A,1B.1,1B.2,1D.1,1D.2).
XgbxG263-1B{0354}. 56.37. gbxG263. (1B).
XgbxG542-1A{0354}. gbxG542. (1A)(2A)(3D)(4A).
XgbxG557-1A{9958}. gbXG557. (1A)(4A).
XgbxG597-1A{0354}. gbxG597. (1A)(7B).
XgbxG624-1D{9958}. gbxG624. (1D).
XgbxGx74-1A{9958}. 60.25. gbxGx74. (1A).
XgbxGx90-1B{9958}. gbxGx90. (1B).
XgbxR059-1B 54.13. (1B).
XgbxR59-1B{9958}. gbxR059. (1B).
Xgdm19-1D{0173}. DMS F19/DMS R19. (1D)(2D).
Xgdm111-1D{0173}. 136.61. DMS F111/DMS R111. (1D).
Xgdm126-1B.1 67.08. (1B.1,1D,1D.2).
Xgdm126-1D{0173}. DMS F126/DMS R126. (1B.1,1D,1D.2).
Xgdm126-1D.2 119.6. (1B.1,1D,1D.2).
Xggo1(Em)-1A{281}[3]. [*XEm-1A*{281}]. pB19.1{340}. (1A).
XGlb1-1A{280}[3]. Subclone of IHv29{803}. (1A).

Xglk136-1B{822,1529}. pTag136{822}. (1B).

Xglk136a-1B 47. (1B).

Xglk136b-1B 65.3. (1B).

Xglk163-1B{154,822,445}[1]. 48. pTag163. (1B,1D)(4D)(5A,5B). The arm location of *Xglk163-1B* was not reported in {822}.

Xglk163-1D{822}[1], {1529}[4]. pTag163. (1B,1D)(4D)(5A,5B). The arm location of *Xglk163-1B* was not reported in {822}.

Xglk259-1B 84.86. (1B,1D)(6A).

Xglk427-1B{822}. pTag427. (1B,1D)(3D).

Xglk431-1B{154}. 46. pTag431{822}. (1B)(2D)(4B).

Xglk558-1B{445}. pTag558,tag588{445}. (1B,1D)(2B,2D)(3D)(5D)(6D)(7D).

Xglk558-1D{154,822}. 68.51. pTag558,tag588{445}. (1B,1D)(2B,2D)(3D)(5D)(6D)(7D).

Xglk710-1A{822}[1], {280}[3]. pTag710. (1A).

Xgpw315-1D 81.28. (1D).

Xgpw357-1D 77.81. (1D).

Xgpw360-1D 85.27. (1D).

Xgpw1077a-1D 115.62. (1D).

Xgpw1077b-1B 108.14. (1B).

Xgpw1134-1A 54.94. (1A).

Xgpw2006-1A 68.82. (1A).

Xgpw2045-1A 60.25. (1A).

Xgpw2069-1A 66.75. (1A).

Xgpw2071-1B 79.9. (1B).

Xgpw2115-1A 55.58. (1A).

Xgpw2118a-1D 79.77. (1D).

Xgpw2142a-1A 53.73. (1A).

Xgpw2196-1D 116.22. (1D).

Xgpw2224-1D 117.56. (1D).

Xgpw2259-1A 60.25. (1A).

Xgpw2277-1A 53.73. (1A).

XgpwE7-1A 113.62. (1A).

Xgwm11-1B{1226}. 57, 58.31. WMS 11F/WMS 11R. (1B).

Xgwm15-1A{9929}. (1A).

Xgwm018-1B 48.13. (1B).

Xgwm18-1B{9929}. 49. WMS F18/WMS R18. (1B).

Xgwm24-1B{1226}. WMS 24F/WMS 24R. (1B).

Xgwm99-1A{9929}. WMS F99/WMS R99. (1A,1A.1)(5D.2).

Xgwm99-1A.1 110. (1A,1A.1)(5D.2).

Xgwm106-1A 87.78. (1A,1B,1D).

Xgwm124-1B{9929}[1], {0270}[2]. 75.24. WMS F124/WMS R124. (1B).

Xgwm131-1B.1{9929,0003}. [*Xgwm131-1B*{9929}, *Xgwm131a-B*{0003}]. 62. WMS F131/WMS R131. (1B.1,1B.2)(3B,3B.2)(7B).

Xgwm131-1B.2{0003}. [*Xgwm131b-1B*{0003}]. WMS F131/WMS R131. (1B.1,1B.2)(3B,3B.2)(7B).

Xgwm135-1A{724}. 54.44. WMS 135F/WMS 135R. (1A).

Xgwm140-1B{9929}. 113.41. WMS F140/WMS R140. (1B).

Xgwm153-1B{9929}[1], {0270}[2]. 76.52. WMS F153/WMS R153. (1B).

Xgwm164-1A{724,9929}. 57.31. WMS F164/WMS R164. (1A).

Xgwm232-1D{724}. 108.9. WMS 232F/WMS 232R. (1D).

Xgwm259-1B{9929}. 105.7. WMS F259/WMS R259. (1B).

Xgwm268-1B{9929}[1], {0270}[2]. 75.24. WMS F268/WMS R268. (1B).

Xgwm273-1B{9929}, {0270}[2]. 54.54. WMS F273/WMS R273. (1B)(3A,3B).
Xgwm274-1B{9929}. WMS F274/WMS R274. (1B,1B.1)(5B)(7B).
Xgwm274-1B.1 76.76. (1B,1B.1)(5B)(7B).
Xgwm337-1D{724,9929}. 43.17. WMS 337F/WMS 337R. (1B,1D).
Xgwm357-1A{9929}. 51.32. WMS F357/WMS R357. (1A).
Xgwm403-1B{9929}. WMS F03/WMS R403. (1B)(2B).
Xgwm403a-1B 61.44. (1B).
Xgwm403b-1B 82.77. (1B).
Xgwm413-1B{9929}, {0270}[2]. 59.55. WMS F413/WMS R413. (1B).
Xgwm458-1D{9929}. WMS F458/WMS R458. (1D).
Xgwm497-1A{9929}. WMS F97/WMS R497. (1A,1A.2)(2A)(3A,3D,3D.1)(5B)(6A.3).
Xgwm497-1A.2 91.2. (1A,1A.2)(2A)(3A,3D,3D.1)(5B)(6A.3).
Xgwm498-1B{9929}[1], {0270}[2]. 50. WMS F498/WMS R498. (1A,1B).
Xgwm582-1B{9929}. 50. WMS F582/WMS R582. (1B)(2A)(6B).
Xgwm633-1A{0171}. WMS F633/WMS R633. (1A).
Xgwm636-1B{0003}. [*Xgwm636b-1B*{0003}]. WMS F636/WMS R636. (1B)(2A).
Xgwm642-1D{9929}. 81.51. WMS F642/WMS R642. (1D).
Xgwm666-1A{9929}. 98.48. WMS F666/WMS R666. (1A)(3A.1,3A.2)(5A)(7A,7A.3).
Xgwm793-1B 108.46. (1B).
Xgwm820-1D 87.07. (1D).
Xksu127-1B 111.8. (1B).
XksuA1-1B{154}. [*XksuA1c-1B*{154}]. pTtksuA1{448}. (1B)(2D)(3B)(5B)(7D).
XksuA1c-1B 68.68. (1B).
XksuD49-1B{728}[1]. pTtksuD49{448}. (1A,1B,1D). The arm location of *XksuD49-1D* in *Ae. tauschii* was not reported in {448}.
XksuD49-1D{448}[1,4], {1529}[1]. 80.34. pTtksuD49{448}. (1A,1B,1D). The arm location of *XksuD49-1D* in *Ae. tauschii* was not reported in {448}.
XksuE3-1A{1529}. 75.08. pTtksuE3{448}.
   (1A)(2A,2B,2D)(3A,3B)(4A)(6A,6D)(7A,7D,7D.4).
XksuE8-1A{280}[1,5]. 81.69. pTtksuE8{448}. (1A,1B,1D).
XksuE8-1B{728}[1]. pTtksuE8{448}. (1A,1B,1D).
XksuE8-1D{448,1529}[4]. pTtksuE8{448}. (1A,1B,1D).
XksuE11-1A.1{1529}[1]. pTtksuE11{448}. (1A.1,1A.1a,1A.2,1B.1,1B.2,1D).
XksuE11-1A.1a 130.6. (1A.1,1A.1a,1A.2,1B.1,1B.2,1D).
XksuE11-1A.2{1529}[1]. pTtksuE11{448}. (1A.1,1A.1a,1A.2,1B.1,1B.2,1D).
XksuE11-1B.1{1529}[1]. pTtksuE11{448}. (1A.1,1A.1a,1A.2,1B.1,1B.2,1D). A *T. aestivum* 1BL *XksuE11* locus was also reported in {728}.
XksuE11-1B.2{1529}[1]. pTtksuE11{448}. (1A.1,1A.1a,1A.2,1B.1,1B.2,1D). A *T. aestivum* 1BL *XksuE11* locus was also reported in {728}.
XksuE11-1D{1529}[1,4], {445}. pTtksuE11{448}. (1A.1,1A.1a,1A.2,1B.1,1B.2,1D).
XksuE11.1D-1D 117.41. (1D).
XksuE11a-1B 68.34. (1B).
XksuE11b-1A 120.63. (1A,1B).
XksuE11b-1B 110.43. (1A,1B).
XksuF43-1B.2{1529}. 60.86. pTtksuF43{448}.
   (1A,1B.1,1B.2,1D)(2D)(4D.1,4D.2)(5D.1,5D.2)(6D).
XksuG2-1B{728}[1]. pTtksuG2{448}. (1B,1D).
XksuG2-1D{448,1529}[4], {1529}[1]. 82.43. pTtksuG2{448}. (1B,1D).
XksuG9-1A{1529}[1]. 50. pTtksuG9{448}. (1A,1B,1D).
XksuG9B-1D 47.06. (1D).
XksuG30-1A{282}[3]. pTtksuG30{448}. (1A)(2D)(3B)(4A)(5A)(6A,6B).

XksuG34-1A{280}[1,3,5]. 88.51. pTtksuG34{448}. (1A,1B,1D)(7A,7B).
XksuG34-1B{1529}[1]. 71.61. pTtksuG34{448}. (1A,1B,1D)(7A,7B).
XksuG34-1D{448,1529}[4]. pTtksuG34{448}. (1A,1B,1D)(7A,7B).
XksuG55-1D 81.1. (1D,1D.1,1D.2)(2D)(4D)(7A).
XksuG55-1D.1{448}[4], {1529}[4]. [*XksuG55(D)*{448}]. pTtksuG55{448}.
   (1D,1D.1,1D.2)(2D)(4D)(7A).
XksuG55-1D.2{448}[4], {1529}[4]. [*XksuG55(E)1D*{448}]. pTtksuG55{448}.
   (1D,1D.1,1D.2)(2D)(4D)(7A).
XksuH9-1A{1529}. pTtksuH9{448}.
   (1A,1A.2,1B,1D)(2A,2D,2D.1,2D.2,2D.3)(4A)(5A)(7A).
XksuH9-1A.2 87.1. (1A,1A.2,1B,1D)(2A,2D,2D.1,2D.2,2D.3)(4A)(5A)(7A).
XksuH14-1A{1529}. 80.35. pTtksuH14{448}. (1A,1B,1D)(6B).
XksuH14-1B{445}. pTtksuH14{448}. (1A,1B,1D)(6B).
XksuH14-1D{445}. pTtksuH14{448}. (1A,1B,1D)(6B).
XksuI27-1B{1529}[1]. pTtksuI27{448}. (1B,1D,1D.1).
XksuI27-1D{1529}[4]. pTtksuI27{448}. (1B,1D,1D.1).
XksuI27-1D.1 118.11. (1B,1D,1D.1).
XksuI27a-1B 112.38. (1B).
XksuI27-D.1{1529}[1]. pTtksuI27{448}. (D.1,D.2).
XksuI27-D.2{1529}[1]. pTtksuI27{448}. (D.1,D.2).
XksuL27-1B 111.8. (1B).
XksuM114-1B{728}[1]. pTtksuM114{448}. (1B,1D)(4D).
XksuM114-1D{1529}[4]. pTtksuM114{448}. (1B,1D)(4D).
Xkvl903(Chi2)-1B{0091}. [*Cht22-1B*{0091}]. pBH72-N12{0092}. (1B).
XLec-1A 74.24. (1A).
Xlogtp1(Pur-1)-1A{9976}. P1A5/PCO3. (1A).
Xlogtp2(Pur-1)-1B{9976}. P1B5/P1B3. (1B).
Xlogtp3(Pur-1)-1D{9976}. P1D5/PCO3. (1D).
XM17P77-1A.15 62.1. (1A.15)(3A.12).
XM17P65-1B.1 69.17. (1B.1)(3B.2).
XM21P76-1A.5 119.7. (1A.5)(3B.3)(4A.4)(7A.12,7A.13,7A.6,7B.9).
XM51P65-1B.3 80.71. (1A.5,1B.3)(2D.0)(4A.6)(5B.4)(6B.1)(7A.7).
XM60P64-1A.8 49.6. (1A.8)(2A.6)(3B.11,3B.13)(4A.1,4A.10)(5A.4)(6A.2).
XM67P77-1B.5 79.68. (1B.5)(3B.3)(4A.6)(7A.4,7B.2).
XM71P77-1A.5 121.8. (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).
XM83P65-1A.1 49.6. (1A.1)(2A.2)(3B.10,3D.9)(7A.4,7B.7).
Xmex3M8f-1B 54.63. (1B).
Xmgb2-1A{9959}[2]. MGB2. (1A,1B).
Xmgb2-1B{9959}[2]. MGB2. (1A,1B).
Xmgb44-1A{9959}[2]. MGB44. (1A).
Xmsu433(Lec) -1A{280}[1,3,5]. [*XLec-1A*{280}]. pNVR20{1207}. (1A).
Xmta17-1A 73.81. (1A).
Xmta17(Glu-1)-1A{154}. MTA17{629},WE:aga7{1099}. (1A).
Xmta17b-1B 64.46. (1B).
Xmta17c-1D 81.28. (1D).
Xmwg10-1A{282}[3]. MWG10{467}. (1A).
Xmwg68b-1B 63.9. (1B).
Xmwg69-1B{1529}. MWG69{467}. (1B,1B.1,1D).
Xmwg69-1B.1 79.33. (1B,1B.1,1D).
Xmwg504-1A{280}[3,5]. MWG504{467}. (1A).
Xmwg539-1A{0252}. MWG539. (1A,1B,1D)(7D).

Xmwg539-1B{0252}. MWG539. (1A,1B,1D)(7D).
Xmwg539-1D{0252}. MWG539. (1A,1B,1D)(7D).
Xmwg584-1A{0252}. MWG584. (1A,1B,1D,1D.1,1D.2)(3A)(4A.1,4A.2)(5D).
Xmwg584-1B{0252}. MWG584. (1A,1B,1D,1D.1,1D.2)(3A)(4A.1,4A.2)(5D).
Xmwg584-1D{0252}. MWG584. (1A,1B,1D,1D.1,1D.2)(3A)(4A.1,4A.2)(5D).
Xmwg632-1A{1529}. 118. MWG632{467}. (1A).
Xmwg676-1A 83.55. (1A).
Xmwg676c-1B 75.81. (1B).
Xmwg676d-1D 90.37. (1D).
Xmwg693-1D 98.43. (1D).
Xmwg695b-1B 50. (1B).
Xmwg701-1D 90.66. (1D).
Xmwg710-1A{280}[1,3]. 95.58. MWG710{467}. (1A,1B,1D)(4A,4A.1)(7A,7B,7D).
Xmwg710-1B{445}[1]. MWG710{467}. (1A,1B,1D)(4A,4A.1)(7A,7B,7D).
Xmwg710-1D{445}[1]. MWG710{467}. (1A,1B,1D)(4A,4A.1)(7A,7B,7D).
Xmwg733a-1B 71.77. (1B).
Xmwg733b-1A 108.15. (1A).
Xmwg733c-1D 85.94. (1D).
Xmwg835-1B.2{0252}. [*Xmwg835b-1B*{0252}]. MWG835.
    (1A,1A.1,1A.2,1B.1,1B.2,1D)(2A)(5A).
Xmwg837-1B.2{1529}. MWG837{467}. (1A,1B.1,1B.2,1D).
Xmwg837b-1B 55.75. (1B,1D).
Xmwg896-1A{0252}. MWG896. (1A,1B,1D).
Xmwg896-1B{0252}. MWG896. (1A,1B,1D).
Xmwg896-1D{0252}. MWG896. (1A,1B,1D).
Xmwg912-1A{1529, 280}. 115. MWG912{467}. (1A,1B,1B.2).
Xmwg912-1B{1529}. MWG912{467}. (1A,1B,1B.2).
Xmwg912-1B.2 110.51. (1A,1B,1B.2).
Xmwg938-1B.2{0252}. [*Xmwg938b-1B*{0252}]. MWG938. (1B,1B.1,1B.2,1D)(7A).
Xmwg938b-1B 65.54. (1B,1D).
Xmwg947-1A{282}[3]. MWG947{467}. (1A).
Xmwg967-1D 72.22. (1D).
Xmwg984-1A{280}[3,5]. MWG984{467}. (1A,1B).
Xmwg984-1B 85.11. (1A,1B).
Xmwg2021-1B.2{0252}. [*Xmwg2021b-1B*{0252}]. MWG2021.
    (1A.1,1A.2,1B.1,1B.2,1D)(2A)(3A).
Xmwg2028-1A{282}[3]. MWG2028{467}. (1A).
Xmwg2056-1B.2{0252}. [*Xmwg2056b-1B*{0252}]. MWG2056. (1A,1B,1B.2,1D).
Xmwg2083-1B.2{0252}. [*Xmwg2083b-1B*{0252}]. MWG2083. (1A,1B.1,1B.2,1D).
Xmwg2148-1B.2{0252}. [*Xmwg2148b-1B*{0252}]. MWG2148. (1A,1B.1,1B.2,1B.3,1D).
Xmwg2148-1B.3{0252}. [*Xmwg2148c-1B*{0252}]. MWG2148. (1A,1B.1,1B.2,1B.3,1D).
XNor-B1-1B 50.47. (1B).
XP31M53-3-1B 67.52. (1B).
XP32M52-120-1B 46.38. (1B).
XP32M54-5-1B 71.61. (1B).
XP34M50-6-1A 48.12. (1A).
XP34M51-341-1A 53.91. (1A).
XP35M49-1-1A 90.81. (1A).
XP35M51-2-1B 71.61. (1B).
XP36/M67-1-1B 113.32. (1B).
XP37M64-249-1B 63.9. (1B).

XP38M47-9-1B 71.61. (1B).
XP39M69-239-1A 53.22. (1A).
XP39M50-10-1B 70.44. (1B).
XP40M47-3-1A 65.23. (1A).
XP41M51-182-1B 71.61. (1B).
XP42M51-295-1A 63.5. (1A).
XP42M47-2-1A 70.33. (1A).
XP43M62-3-1B 61.92. (1B).
XP44/M541-1B 64.6. (1B).
XP78M69-1A.4 133.1. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B)(7A.1).
XP78M72-1B.4 73.4. (1B.4)(2B.8,2D.4a)(5B.3)(6B.7)(7A.2).
XP78M92-1B.2 75.56. (1B.2)(2A.10)(3B.0,3B.3,3B.5).
XP78M924-1A 107.6. (1A).
XPc-B4e-1B 63.9. (1B).
Xpkg1490(Cab2)-1A{280}[5],{282}[3]. [*Xcab2-1A*{280}]. pKG1490{063}. (1A)(5A.1,5A.2).
 Mapping of the same 1A and 5A loci with pKG1490 and cMWG701 was reported in {280} and {282}.
Xpsp3001-161-1A 50. (1A).
Xpsp3003a-1A 54.8. (1A).
Xpsp3003b-1A 83.03. (1A).
Xpsp3027-1A{151,1425}. 50. PSP3027F/PSP3027R. (1A).
Xpsp3037-1D 98.47. (1D)(5B).
Xpsp3100-1B{151,1425}. 93.29. PSP3100F/PSP3100R. (1B).
Xpsp3137-1D{151,1425}. PSP3137F/PSP3137R. (1D).
Xpsp3139-1D{1425}. PSP3139F/PSP3139R. (1D)(6B).
Xpsr12(Glu-1)-1A{1471,495}. [*XGlu-A*{961}, *XGlu-A.2*{961}]. pTag1290{1471}.
 (1A,1B,1D).
Xpsr12(Glu-1)-1B{1471,495}. [*XGlu-B.1*{961}, *XGlu-B.2*{961}]. pTag1290{1471}.
 (1A,1B,1D).
Xpsr12(Glu-1)-1D{1471,495}. [*XGlu-D1-1*{961}, *XGlu-D1-2*{961}]. pTag1290{1471}.
 (1A,1B,1D).
Xpsr59-1A{399}. PSR59. (1A,1B,1D).
Xpsr59-1B{399}. PSR59. (1A,1B,1D).
Xpsr59-1D{399}. PSR59. (1A,1B,1D).
Xpsr78-1A{370,410}. PSR78. (1A,1B,1D)(3A,3B,3D).
Xpsr78-1B{370,410}. PSR78. (1A,1B,1D)(3A,3B,3D).
Xpsr78-1D{370,410}. PSR78. (1A,1B,1D)(3A,3B,3D).
Xpsr95(Em)-1A{410}. PSR95. (1A,1B,1D).
Xpsr95(Em)-1B{410}. PSR95. (1A,1B,1D).
Xpsr95(Em)-1D{410}. PSR95. (1A,1B,1D).
Xpsr158-1A{1541,1540}. PSR158. (1A,1B,1D).
Xpsr158-1B{1541,1540}. PSR158. (1A,1B,1D).
Xpsr158-1D{1541,1540}. PSR158. (1A,1B,1D).
Xpsr159(Psah)-1A{1541,1540}[b]. [*Xpsr159-1A*{1541,1540}]. PSR159. (1A,1B,1D).
Xpsr159(Psah)-1B{1541,1540}[b]. [*Xpsr159-1B*{1541,1540}]. PSR159. (1A,1B,1D).
Xpsr159(Psah)-1D{1541,1540}[b]. [*Xpsr159-1D*{1541,1540}]. PSR159. (1A,1B,1D).
Xpsr162-1A{1329}. 76.72. PSR162. (1A,1B,1D).
Xpsr162-1B{1329}. 67.26. PSR162. (1A,1B,1D).
Xpsr162-1D{1329}. PSR162. (1A,1B,1D).
Xpsr172(Lhcb1)-1A{1392}. PSR172. (1A)(2B)(5A,5B,5D)(7A,7B,7D).
Xpsr305-1B{0242}. PSR305. (1B)(3A,3B,3D).

Xpsr313-1A{370,410}. PSR313. (1A,1B,1D).
Xpsr313-1B{370,410}. PSR313. (1A,1B,1D).
Xpsr313-1D{370,410}. PSR313. (1A,1B,1D).
Xpsr325-1A{1541}. PSR325. (1A,1A.1,1B,1B.2,1D).
Xpsr325-1A.1 70.2. (1A,1A.1,1B,1B.2,1D).
Xpsr325-1B{1541}. PSR325. (1A,1A.1,1B,1B.2,1D).
Xpsr325-1B.2 64.96. (1A,1A.1,1B,1B.2,1D).
Xpsr325-1D{1541}. PSR325. (1A,1A.1,1B,1B.2,1D).
Xpsr330-1A{1541,1540}. PSR330. (1A,1B,1D).
Xpsr330-1B{1541,1540}. PSR330. (1A,1B,1D).
Xpsr330-1D{1541,1540}. PSR330. (1A,1B,1D).
Xpsr343-1A{1540}. PSR343. (1A,1B,1D).
Xpsr343-1B{1540}. PSR343. (1A,1B,1D).
Xpsr343-1D{1540}. PSR343. (1A,1B,1D).
Xpsr375-1A{282}^{3}. PSR375{410}. (1A)(3B.5)(4A,4B,4B.4,4D,4D.1)(5B,5D,5D.3).
Xpsr385-1A{1540}. PSR385. (1A,1B,1D).
Xpsr385-1B{1540}. PSR385. (1A,1B,1D).
Xpsr385-1D{1540}. PSR385. (1A,1B,1D).
Xpsr386-1A.1 113.2. (1A,1A.1)(2A)(3B,3B.4)(5A,5A.3)(7A,7A.2).
Xpsr391-1A{1541,1540}. PSR391. (1A,1B,1D).
Xpsr391-1B{1541,1540}. PSR391. (1A,1B,1D).
Xpsr391-1D{1541,1540}. PSR391. (1A,1B,1D).
Xpsr462(Pgk1-1)-1A{178}. [*Xpsr462(Pgk1)-1A*]. P7{834}. (1A,1B,1D). Mapping of the
    same 1A^m locus with clones P7 and BCD738 was reported in {280}.
Xpsr462(Pgk1-1)-1B{178}. [*Xpsr462(Pgk1)-1B*]. P7{834}. (1A,1B,1D).
Xpsr462(Pgk1-1)-1D{178}. [*Xpsr462(Pgk1)-1D*]. P7{834}. (1A,1B,1D).
Xpsr544-1A{410}. PSR544. (1A,1B,1D).
Xpsr544-1B{410}. PSR544. (1A,1B,1D).
Xpsr544-1D{410}. 75.56. PSR544. (1A,1B,1D).
Xpsr549-1A.1{250}. PSR549. (1A.1,1A.2)(2B)(3A)(5A).
Xpsr586-1A{1540}. PSR586. (1A,1B,1D).
Xpsr586-1B{1540}. PSR586. (1A,1B,1D).
Xpsr586-1D{1540}. PSR586. (1A,1B,1D).
Xpsr601-1A{370,410}. PSR601. (1A,1B,1D).
Xpsr601-1B{370,410}. PSR601. (1A,1B,1D).
Xpsr601-1D{370,410}. PSR601. (1A,1B,1D).
Xpsr626-1A{1540}. PSR626. (1A,1B,1D).
Xpsr626-1B{1540}. PSR626. (1A,1B,1D).
Xpsr626-1D{1540}. PSR626. (1A,1B,1D).
Xpsr634-1A{370,410}. 75.08. PSR634. (1A,1B,1D).
Xpsr634-1D{370,410}. 67.43. PSR634. (1A,1B,1D).
Xpsr648-1B{410}. 66.28. PSR648. (1B)(4A)(7A,7D).
Xpsr653-1A{1540}. PSR653. (1A,1B,1D).
Xpsr653-1B{1540}. PSR653. (1A,1B,1D).
Xpsr653-1D{1540}. PSR653. (1A,1B,1D).
Xpsr924-1A{0043}. PSR924. (1A,1B,1D)(2B).
Xpsr924-1B{0043}. PSR924. (1A,1B,1D)(2B).
Xpsr924-1D{0043}. PSR924. (1A,1B,1D)(2B).
Xpsr941-1A{370,410}. PSR941. (1A,1B,1D).
Xpsr941-1B{370,410}. PSR941. (1A,1B,1D).
Xpsr941-1D{370,410}. PSR941. (1A,1B,1D).

Xpsr946-1D{256,410}. PSR946. (1D)(2D)(3A)(5D)(7A.1,7A.2,7D.1,7D.2,7D.3).
Xpsr949-1B{370,410}. 52.8. PSR949. (1A,1B,1D).
Xpsr953-1A{370,410}. PSR953. (1A,1B,1D).
Xpsr953-1B{370,410}. PSR953. (1A,1B,1D).
Xpsr953-1D{370,410}. PSR953. (1A,1B,1D).
Xpsr957-1A{370,410}. PSR957. (1A,1B,1D).
Xpsr957-1B{370,410}. PSR957. (1A,1B,1D).
Xpsr957-1D{370,410}. PSR957. (1A,1B,1D).
Xpsr967-1A.1 112.1. (1A,1A.1,1B,1B.2)(4B)(5A,5A.3)(6A,6A.4,6B).
Xpsr967-1B.2 67.26. (1A,1A.1,1B,1B.2)(4B)(5A,5A.3)(6A,6A.4,6B).
Xpsr1327-1A{410,0031}. 60. PSR1327{255}. (1A,1D)(3B)(4A)(5D).
Xpsr2019.1(ABA.1)-1A 63.1. (1A).
Xpsr2019.1(Aba8)-1A 63.1. (1A).
Xpsr2019.2 (ABA.2)-1B 63.01. (1B).
Xpsr2019.2(Aba8)-1B 63.01. (1B).
Xpsr95_Em-1D 92.78. (1D).
Xrz166-1B{1529}. 47. RZ166{170}. (1B).
Xtam2-1A{245,1529}[1]. TAM2. (1A,1B,1D).
Xtam2-1B{245,1529}[1]. TAM2. (1A,1B,1D).
Xtam2-1D{245,1529}[1]. TAM2. (1A,1B,1D).
Xtam7-1A{245,1529}[1]. TAM7. (1A,1B,1D).
Xtam7-1B{245,1529}[1]. TAM7. (1A,1B,1D).
Xtam7-1D{245,1529}[1]. TAM7. (1A,1B,1D).
Xtam14-1A{245}. TAM14. (1A,1B,1D).
Xtam14-1B{245}. TAM14. (1A,1B,1D).
Xtam14-1D{245}. TAM14. (1A,1B,1D).
Xtam22-1A{245}. TAM22. (1A,1B,1D).
Xtam22-1B{245}. TAM22. (1A,1B,1D).
Xtam22-1D{245}. TAM22. (1A,1B,1D).
Xtam35-1A{245}. TAM35. (1A,1B,1D).
Xtam35-1B{245}. TAM35. (1A,1B,1D).
Xtam35-1D{245}. TAM35. (1A,1B,1D).
Xtam65-1B{245}. TAM65. (1B)(2A)(3B)(4A)(7A,7D).
Xtav1931(b-Atp)-1A{410}. TAV1931{126}. (1A,1B,1D).
Xtav1931(b-Atp)-1B{410}. TAV1931{126}. (1A,1B,1D).
Xtav1931(b-Atp)-1D{410}. TAV1931{126}. (1A,1B,1D).
Xtav1960(Vdac2)-1A{740}. Tavdac2{332}. (1A,1B,1D).
Xtav1960(Vdac2)-1B{740}. Tavdac2{332}. (1A,1B,1D).
Xtav1960(Vdac2)-1D{740}. Tavdac2{332}. (1A,1B,1D).
Xuaz243-1B{0269}[2]. UAZ243. (1B).
Xubp19-1D.1{410}. 43.54. pTdubp19. (1A.1,1B.1,1D.1,1D.2).
Xubp22-1B.1{410}. pTdubp22. (1B.1,1B.2)(3B).
Xubp24-1A{9959}[2]. UBP24. (1A).
Xucd110(Esi47)-1A{282}[3]. [*XEsi47-1A*]. pESI47{472}. (1A,1B,1D).
Xucd110(Esi47)-1B{278}. [*XEsi47-1B*]. pESI47{472}. (1A,1B,1D).
Xucd110(Esi47)-1D{278}. [*XEsi47-1D*]. pESI47{472}. (1A,1B,1D).
Xutv135-1A {0269}[2]. UTV135. (1A)(3B)(4B).
Xutv618-1A{9959}[2]. UTV618. (1A,1B).
Xutv618-1B{9959}[2]. UTV618. (1A,1B).
Xutv704-1B{9959}[2]. UTV704. (1B).
Xutv765-1A{9959}[2]. UTV765. (1A).

Xutv780-1A{9959}[2]. UTV780. (1A,1B).
Xutv780-1B{9959}[2]. UTV780. (1A,1B).
Xutv1356-1A{9959}[2]. UTV1356. (1A,1B).
Xutv1356-1B{9959}[2]. UTV1356. (1A,1B).
Xutv1425-1B{9959}[2]. UTV1425. (1B).
Xutv1441-1A {0269}[2]. UTV1441. (1A)(2A)(3B)(4B)(5A)(6B).
Xutv1460-1A{9959}[2]. UTV1460. (1A).
XWB188h-1B 74.74. (1B).
XWC0065b-1B 58. (1B).
Xwg222-1D{1529}[4]. WG222{545}. (1D).
Xwg241-1A{280}[3],{1529}[1]. 121.93. WG241{545}. (1A,1B,1D)(6B)(7D).
Xwg241-1D{1529}[1],{1529}[4]. WG241{545}. (1A,1B,1D)(6B)(7D).
Xwg241-1B{445}. WG241{545}. (1A,1B,1D)(6B)(7D).
Xwg241b-1D 121.13. (1D).
Xwg605-1A{1529}[1],{280}[5]. 51. WG605. (1A,1A.1,1B,1B.2,1D).
Xwg605-1A.1 52. (1A,1A.1,1B,1B.2,1D).
Xwg605-1B{1529}[1]. WG605. (1A,1A.1,1B,1B.2,1D).
Xwg605-1B.2 50. (1A,1A.1,1B,1B.2,1D).
Xwg605-1D{445}[1]. WG605. (1A,1A.1,1B,1B.2,1D).
Xwg811-1B{1529}[1]. 52.98. WG811{545}. (1A,1B,1D). Mapping of the same 1A locus
    with WG789 and WG811 was reported in {280}.
Xwg822-1B 59.01. (1B).
Xwg983-1A{280}[1,5]. 56.09. WG983{545}. (1A).
Xwhe1(Glu-1)-1A{1529}[1],{280}[1,3,5]. [*XGlu1-1A*{1529}]. pwhe1{Dy10},pDY10A{030}.
    (1A).
Xwhs179-1B.2 74.53. (1B,1B.1,1B.2,1D.1,1D.2).
Xwhs179b-1B 74.53. (1B).
Xwmc36-1D 70.86. (1D).
Xwmc44-1B{0153,0348}. WMC 44F/WMC 44R. (1B).
Xwmc51-1B{0348}. 54.56. WMC 51F/WMC 51R. (1B).
Xwmc51g-1B 47. (1B).
Xwmc59-1A 112.88. (1A).
Xwmc084-1A 50. (1A).
Xwmc85b-1B 69.16. (1B).
Xwmc93-1A.1 63.5. (1A.1).
Xwmc93a-1D 75.06. (1D).
Xwmc113c-1B 113.32. (1B).
Xwmc120-1A{0153}. 52. WMC 120F/WMC 120R{0155}. (1A).
Xwmc134-1B 58.62. (1B).
Xwmc156-1B{0348}. WMC 156F/WMC 156R. (1B,1B.2).
Xwmc156-1B.2 52.04. (1B,1B.2).
Xwmc216-1B.1 53.29. (1B.1,1D).
Xwmc216-1D{0348}. 55.05. WMC 216F/WMC 216R. (1B.1,1D).
Xwmc230-1B 46. (1B).
Xwmc254-1A{0348}. WMC 254F/WMC 254R. (1A)(4B).
Xwmc277-1B.3 62.42. (1B.3).
Xwmc304-1A{0242}. 52. WMC 304F/WMC 304R. (1A).
Xwmc312-1A {0242}. 63.5. WMC 312F/WMC 312R. (1A).
Xwmc320-1B 55.49. (1B).
Xwmc373-1B{0242}. [*Xwmc373-1-1B*{0242}]. WMC 373F/WMC 373R. (1B).
Xwmc429-1D {0242}. 52.51. WMC 429F/WMC 429R. (1D).

Xwsu6(Dor2)-1A{280}[3,5]. [*XDor2-1A*{1529}, *XEm-1A*{281}]. pMA1959{1036}. (1A).
Xwye838(Adpg2)-1A{370,410}. pAGP-L101{1061},pSh2.25. (1A,1B,1D).
Xwye838(Adpg2)-1B{370,410}. pAGP-L101{1061},pSh2.25. (1A,1B,1D).
Xwye838(Adpg2)-1D{370,410}. pAGP-L101{1061},pSh2.25. (1A,1B,1D).
Xzens1(Adpg4)-1A{280}[3]. [*XAga7-1A*{1529}]. WE:aga7{774}. (1A,1D).
Xzens1(Adpg4)-1D{757}[4]. [*XAga7*{757}]. WE:aga7{774}. (1A,1D).

3. Group 1

P35/M54-7-1A 47.42. (1A).
P40/M61-10-1A 47.42. (1A).
TaMlo-A1{0336}. Mlo. (A1,B1,D1). Sequences from each of these genes were identical
    with those from *T.urartu, Ae. speltoides* and *Ae. tauschii*, respectively {0336}.
TaMlo-B1{0336}. Mlo. (A1,B1,D1). Sequences from each of these genes were identical
    with those from *T.urartu, Ae. speltoides* and *Ae. tauschii*, respectively {0336}.
TaMlo-D1{0336}. Mlo. (A1,B1,D1). Sequences from each of these genes were identical
    with those from *T.urartu, Ae. speltoides* and *Ae. tauschii*, respectively {0336}.
Xabc155-1D{9926}4. ABC155. (1D)(5A,5B,5D).
Xabcp158-1D{339}. ABC158F/ABC158R. (1D)(3D)(6D).
Xabcp253-1A{339}. ABC253F/ABC253R. (1A)(3B)(4B,4D).
Xabg458-1D{9926}[4]. ABG458. (1D)(6A,6B,6D.1,6D.2).
Xabg460-1D{9926}[4]. ABG460. (1D)(3A)(4A.1,4A.2).
Xabg702-1D{9926}[4]. ABG702. (1D).
Xabgp358-1A{339}. ABG358F/ABG358R. (1A).
Xabgp712-1A{339}. ABG712F/ABG712R. (1A)(2A,2B,2D).
Xbcd249-1A{280}[3,5]. BCD249{545}. (1A,1B,1D).
Xbcd1072-1A{1529}[1],{280}[5],{0252}. 48. BCD1072{545}. (1A,1B,1D).
Xbcd1072-1B{0252}. BCD1072. (1A,1B,1D).
Xbg175-1D{9926}[4]. BG175. (1D).
Xbg552-1D{9926}[4]. BG552. (1D).
Xcdo618-1A{445}[1]. CDO618{545}. (1A,1B,1D).
Xcdo618-1D{445}[1]. CDO618{545}. (1A,1B,1D).
Xcdo675-1D{1529}. CDO675{545}. (1D)(2D)(7D).
Xcdo1373-1B{0269}[2]. CDO1373. (1B).
Xcdop312-1A{339}. CDO213F/CDO213R. (1A).
Xcdop673-1A{339}. CDO673F/CDO673R. (1A).
Xcfd19-1D{0349}. CFD 19F/CFD 19R. (1D).
Xcfd21-1D{0349}. CFD 21F/CFD 21R. (1D).
Xcfd48-1B{0349}. CFD 48F/CFD 48R. (1B).
Xcfd59-1B{0349}. CFD 59F/CFD 59R. (1B,1D).
Xcfd59-1D{0349}. CFD 59F/CFD 59R. (1B,1D).
Xcfd65-1B{0349}. CFD 65F/CFD 65R. (1B).
Xcfd65-1D{0349}. CFD 65F/CFD 65R. (1D).
Xcsiha117-1D{757}[4]. [*XcsIHA117*{757}]. csIHA117{757}. (1D).
Xcsl140-1D{757}[4]. [*XcsL140*{757}]. csL140{757}. (1D).
XcsSR3(Gsp)-1D{9926}[4]. [*Xgsp-1D*{9926}]. pGsp. (1D)(5A,5B,5D)(7D).
XDuPw38-1A{0366}. DUPW 38F/DUPW 38R. (1A).
Xfbb107-1A 48. (1A).
Xgbx3076-1B{0354}. gbx3076. (1A,1B).
Xgbx3321-1A{0354}. [*Xgbx3321a-1A*{0354}]. gbx3321. (1A,1B)(6A,6B).
Xgbx3321-1B{0354}. [*Xgbx3321b-1B*{0354}]. GBX3321. (1A,1B)(6A,6B).
XgbxG746-1B{9958,0354}. gbxG746. (1B,1D).

Xgdm28-1B{0173}. DMS F28/DMS R28. (1B)(6A).
Xglk90-1B{822}. pTag90. (1B).
Xglk94-1D{822}. [*Xglk94d*{822}]. pTag94. (1D)(2D)(3D)(6A).
Xglk259-1D{9926}[4]. pTag259. (1B,1D)(6A).
Xglk427-1D{9926}[4]. pTag427. (1B,1D)(3D).
Xglk483-1B{822}. pTag483. (1B).
Xglk520-1B{822}. [*Xglk520a*{822}]. pTag520. (1B)(2A)(3B)(5A)(6B).
Xglk549-1A{1034}. [*Xglk549b*{822}]. pTag549. (1A,1B)(7A,7B).
Xglk549-1B{822}. [*Xglk549b*{822}]. pTag549. (1A,1B)(7A,7B).
Xglk595-1B{822}. [*Xglk595b*{822}]. pTag595. (1B)(3A).
Xglk652-1D{822}. [*Xglk652a*{822}]. pTag652. (1D)(3A,3B,3D).
Xglk732-1A{822}. pTag732. (1A)(2D).
Xglk754-1D{9926}[4]. pTag754. (1D)(5B).
Xglk764-1B{822}. pTag764. (1B)(7D).
XGluTR-1A{120}. BHA87. (1A,1B,1D).
XGluTR-1B{120}. BHA87. (1A,1B,1D).
XGluTR-1D{120}. BHA87. (1A,1B,1D).
Xgwm264-1B.2{0003}[2]. [*Xgwm264a-1B*{0003}]. WMS F264/WMS R264. (1B,1B.1,1B.2)(3B).
Xgwm325-1D{0354}. [*Xgwm325b-1D*{0354}]. WMS 325F/WMS 325R. (1D)(6D).
Xgwm376-1A{0171}. [*Xgwm376d-1Ai*{0171}]. WMS F376/WMS R376. (1A)(3B)(7A).
Xgwm408-1B{0170}. [*Xgwm408b-1B*{0170}]. WMS F408/WMS R408. (1B)(5B).
Xgwm558-1A{0171}. [*Xgwm558c*{0171}, *Xgwm558d-1A*{0171}]. WMS F558/WMS R558. (1A)(2A).
Xgwm903-1B{0171}. WMS F903/WMS R903. (1B).
Xgwm934-1B{0171}. WMS F934/WMS R934. (1B).
Xhor12d-1D 39.34. (1D).
Xipk2(Rep)-1A{723}. [*XRep*{723}]. Rep. (1A,1B,1D).
Xipk2(Rep)-1B{723}. [*XRep*{723}]. Rep. (1A,1B,1D).
Xipk2(Rep)-1D{723}. [*XRep*{723}]. Rep. (1A,1B,1D).
XksuB7-1D.1{9926}[4]. pTtksuB7. (1D.1,1D.2,1D.3,1D.4)(3D)(5D)(7B,7D).
XksuB7-1D.2{9926}[4]. pTtksuB7. (1D.1,1D.2,1D.3,1D.4)(3D)(5D)(7B,7D).
XksuB7-1D.3{9926}[4]. pTtksuB7. (1D.1,1D.2,1D.3,1D.4)(3D)(5D)(7B,7D).
XksuB7-1D.4{9926}[4]. pTtksuB7. (1D.1,1D.2,1D.3,1D.4)(3D)(5D)(7B,7D).
XksuD3-1D{448}. pTtksuD3. (1D).
XksuD16-1D{448,1529}. pTtksuD16. (1D)(5A,5B,5D).
XksuE15-1D{9926}[4]. pTtksuE15. (1D).
XksuG40-1D{448}. pTtksuG40. (1D).
XksuI23-1D{448}. pTtksuI23. (1D).
XksuM88-1D{448}. pTtksuM88. (1D).
XksuM112-1B{728}[1]. pTtksuM112{448}. (1B,1D).
XksuM112-1D{448}[4]. pTtksuM112{448}. (1B,1D).
XksuM113-1D{1529}[4]. pTtksuM113{448}. (1D).
XksuM148-1D{448}[4]. pTtksuM148{448}. (1B,1D).
XksupD15-1D{339}. KSUD15F/KSUD15R. (1D)(5B,5D)(7B,7D).
XksupM148-1B{339}. KSUM148F/KSUM148R. (1B)(2A)(4B,4D)(6B).
Xmwg584-1D.1{9926}[4]. MWG584. (1A,1B,1D,1D.1,1D.2)(3A)(4A.1,4A.2)(5D).
Xmwg584-1D.2{9926}[4]. MWG584. (1A,1B,1D,1D.1,1D.2)(3A)(4A.1,4A.2)(5D).
Xmwg660-1D{9926}[4]. MWG660. (1D).
Xnpi97-1A{253}. Npi97. (1A,1B)(4B,4D).
Xnpi97-1B{253}. Npi97. (1A,1B)(4B,4D).

Xnpi293-1A{253}. Npi293. (1A,1B,1D).
Xnpi293-1B{253}. Npi293. (1A,1B,1D).
Xnpi293-1D{253}. Npi293. (1A,1B,1D).
XP35M54-7-1A 47.42. (1A).
XP40M61-10-1A 47.42. (1A).
Xp219draI-1A 47.42. (1A).
Xpsp3004-1D{151}. PSP3004F/PSP3004R. (1D).
Xpsp3136-1A{151}. PSP3136F/PSP3136R. (1A).
Xpsr386-1A{1181}. [*Xpsr386.1*{1181}]. PSR386.
  (1A,1A.1)(2A)(3B,3B.4)(5A,5A.3)(7A,7A.2).
Xpsr547-1D{9926}[4]. PSR547. (1D)(3B)(7A,7B,7D).
Xpsr967-1A{598}. PSR967. (1A,1A.1,1B,1B.2)(4B)(5A,5A.3)(6A,6A.4,6B).
Xpsr967-1B{598}. PSR967. (1A,1A.1,1B,1B.2)(4B)(5A,5A.3)(6A,6A.4,6B).
Xpsr1101-1A{266}. PSR1101. (1A)(5A,5B,5D).
Xpsr1201-1A{410,1609}. a39{207},PSR1201. (1A)(4D)(5A,5B).
Xpsr2019(Aba8)-1A{1181}. [*XABA8*{1181}]. ABA8{473}. (1A,1B)(2A,2B,2D).
Xpsr2019(Aba8)-1B{1181}. [*XABA8*{1181}]. ABA8{473}. (1A,1B)(2A,2B,2D).
Xrgc405-1D{739}. RGC405. (1D).
Xrgc424-1A{739}. RGC424. (1A,1B,1D).
Xrgc424-1B{739}. RGC424. (1A,1B,1D).
Xrgc424-1D{739}. RGC424. (1A,1B,1D).
Xrgc470-1A{739}. RGC470. (1A,1B,1D).
Xrgc470-1B{739}. RGC470. (1A,1B,1D).
Xrgc470-1D{739}. RGC470. (1A,1B,1D).
Xrgg1084-1A{739}. RGG1084. (1A).
Xrgr662-1A{739}. RGR662. (1A,1B,1D)(7A,7B,7D).
Xrgr662-1B{739}. RGR662. (1A,1B,1D)(7A,7B,7D).
Xrgr662-1D{739}. RGR662. (1A,1B,1D)(7A,7B,7D).
Xrz244-1A{1529}. 47.3. RZ244{170}. (1A,1B,1D).
Xsch4-1B{0368}. HWM004.H07 F/R. (1B).
Xscu2-1D{0368}. SFR002.B09 F/R. (1D).
Xscu4-1A{0368}. HWM004.H07 F/R. (1A,1D)(6D).
Xscu4-1D{0368}. HWM004.H07 F/R. (1A,1D)(6D).
Xscu7-1B{0368}. SFR007.D06 F/R. (1B).
Xscu19-1A{0368}. HWM019cc.05 F/R. (1A,1B,1D).
Xscu19-1B{0368}. HWM019cc.05 F/R. (1A,1B,1D).
Xscu19-1D{0368}. HWM019cc.05 F/R. (1A,1B,1D).
XscuTAE-1D{0368}. TAE F/TAE R. (1D).
Xsun19-1B{0156}. SUN 19F/SUN 19R. (1B).
Xumc81-1B{253}. UMC81. (1B)(5A,5B,5D)(7A,7B,7D).
Xunl18-1B{0373}. UNL18. (1B).
Xunl19-1B{0373}. UNL19. (1B).
Xunl20-1B{0373}. UNL20. (1B).
Xunl26-1B{0373}. UNL26. (1B).
Xunl29-1B{0373}. UNL29. (1B).
Xunl30-1B{0373}. UNL30. (1B).
Xunl32-1B{0373}. UNL32. (1B).
Xwg232-1A{1181}. [*Xwg232.4*{1181}]. WG232{545}.
  (1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).
Xwg645-1D{9926}[4]. WG645. (1D)(2A,2B,2D).
Xwg908-1A{1181}. [*Xwg908.1*{1181}]. WG908{545}. (1A)(5A,5B,5B.1,5B.2,5D)(6B.1).

Xwmc52-1B 45. (1B).
Xwmc84-1A{0242}. [*Xwmc084-1A*{0242}]. WMC 84F/WMC 84R. (1A).
Xwmc106-1A{0366}. WMC 106F/WMC 106R. (1A).
Xwpg501(Pdi)-1B{0064,0263}. pTAPDI501. (1B)(4A,4B,4D).

4. Group 2S

M83/P65-2A.2 48.52. (1A.1)(2A.2)(3B.10,3D.9)(7B.7).
M85/P65-2A.4 58.82. (1B.5)(2A.4)(5A.0,5A.2)(6A.3,6B.6).
M86/P65-2B.1 31.31. (2B.1,2D.3)(3B.4)(6B.5)(7B.0).
P32/M37-6-2D 19.92. (2D).
P37/M39f-2D 24.55. (2D).
P39/M49-121-2D 15.92. (2D).
P78/M43-2A.9 35.3.
    (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
P78/M59-2B.1 10.64. (2B.1)(3B.2,3D.3)(4A.6)(7B.7).
P78/M68-2B.2 11.72. (2B.2,2B.3b).
P78/M68-2B.3b 11.72. (2B.2,2B.3b).
P78/M71-2B.1 43.4. (1A.5)(2A.7,2B.1)(6B.3)(7B.2).
P78/M72-2B.8 12.28. (1B.4)(2B.8,2D.4a)(5B.3)(6B.7).
P78/M72-2D.4a 45.03. (1B.4)(2B.8,2D.4a)(5B.3)(6B.7).
P78/M87-2A.3 7.68. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
P78/M87-2B.5 47.62. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
P78/M92-2A.10 24.59. (1B.2)(2A.10)(3B.0,3B.3,3B.5).
Xabc170-2A 33.06. (2A).
Xabg378-2A{282}[3]. ABG378{664}. (2A)(4A)(6A,6D)(7A).
Xabg459-2A{282}[3]. ABG459{664}. (2A).
XAWM087-2D 28.86. (2D).
XAWM420-2B 48.9. (2B).
XAWM422-2B 54.92. (2B).
XAWM431-2D 21. (2D).
Xb-Amy-2A [*PSR1-2A*{1330}]. pcBetaC51{731}. (2A,2B,2D).
Xb-Amy-2B [*PSR1-2B*{1330}]. pcBetaC51{731}. (2A,2B,2D).
Xb-Amy-2D [*PSR1-2D*{1330}]. pcBetaC51{731}. (2A,2B,2D).
Xbarc5-2A 29. (2A).
Xbarc7-2B 64.43. (2B)(3B).
Xbarc13-2B 63.89. (2B).
Xbarc18-2B 70.41. (2B).
Xbarc91-2B 70.23. (2B).
Xbarc124-2A.1 15.36. (2A.1,2D.2).
Xbarc124-2D.2 7.5. (2A.1,2D.2).
Xbarc145-2D 43.8. (2D).
Xbarc160-2B 70.46. (2B).
Xbarc168-2D 26.57. (2D).
Xbarc200-2B 39.38. (2B).
Xbarc212-2A 15.8. (2A).
Xbarc228-2D 42.13. (2D).
Xbarc231-2A 23.97. (2A).
Xbarc292-2D.1 44.44. (2D.1)(4B.2).
Xbarc297-2D 9.91. (2D).
Xbarc309-2A 60. (2A).
Xbarc318-2B 32.17. (2B).

Xbarc349-2B 54.2. (2B).

Xbarc361-2B.1 68.98. (2B.1)(5D.2).

Xbarc1138-2A.1 5.41. (2A.1,2A.2).

Xbarc1138-2A.2 15.6. (2A.1,2A.2).

Xbcd18-2B{1060}. BCD18{545}. (2B,2B.1,2B.2,2B.3,2D,2D.2).

Xbcd18-2B.1{0074}. [*Xbcd18a*{0074}, *Xbcd18b*{0074}, *Xbcd18c-2B*{0074}]. 40.94.
  BCD18. (2B,2B.1,2B.2,2B.3,2D,2D.2).

Xbcd18-2D{1060}. 38.71. BCD18{545}. (2B,2B.1,2B.2,2B.3,2D,2D.2).

Xbcd18-2D.2 12.59. (2B,2B.1,2B.2,2B.3,2D,2D.2).

Xbcd102-2D{1060}. 32.07. BCD102{545}. (2D)(5B)(6A,6B,6B.1).

Xbcd152-2A{1060}. BCD152{545}. (2A,2B,2B.2)(6B).

Xbcd152-2B{1060}. BCD152{545}. (2A,2B,2B.2)(6B).

Xbcd152-2B.2 68.69. (2A,2B,2B.2)(6B).

Xbcd152a-2A 26.89. (2A).

Xbcd152b-2A 40.54. (2A).

Xbcd161-2A{1060}. BCD161{545}. (2A).

Xbcd161a-2A 31. (2A).

Xbcd161b-2A 57.93. (2A).

Xbcd175-2D{0242}. BCD175. (1A)(2D).

Xbcd221-2B{0269}[2]. BCD221. (2B)(4B)(5B)(6B).

Xbcd260-2B{1060}. BCD260{545}. (2B,2D).

Xbcd260-2D{1060}. BCD260{545}. (2B,2D).

Xbcd260a-2D 46.79. (2D).

Xbcd262-2D{1060}. BCD262{545}. (2D).

Xbcd348-2A.1{1060}. BCD348{545}. (2A.1,2A.2,2B,2D)(4A).

Xbcd348-2A.2{1060}. BCD348{545}. (2A.1,2A.2,2B,2D)(4A).

Xbcd348-2B{232}. BCD348{545}. (2A.1,2A.2,2B,2D)(4A).

Xbcd348-2D{232}. BCD348{545}. (2A.1,2A.2,2B,2D)(4A).

Xbcd348a-2A 17.42. (2A,2B).

Xbcd348a-2B 0. (2A,2B).

Xbcd438-2D{0354}. BCD438. (2D).

Xbcd445a-2B 58. (2B).

Xbcd611-2D{1060}. 28.98. BCD611{545}. (2D).

Xbcd718-2A{1060}[1]. BCD718{545}. (2A,2B,2D).

Xbcd718-2B{0269}[2]. BCD718{545}. (2A,2B,2D).

Xbcd718-2D{1060}[1]. 35.11. BCD718{545}. (2A,2B,2D).

Xbcd718a-2A 6.76. (2A).

Xbcd855-2A{1060}. BCD855{545}. (2A,2B,2D).

Xbcd855-2B{232}. BCD855{545}. (2A,2B,2D).

Xbcd855-2D{232}. BCD855{545}. (2A,2B,2D).

Xbcd855a-2A 30.51. (2A).

Xbcd855b-2A 54.64. (2A).

Xbcd1069-2D{0354}. BCD1069. (2D).

Xbcd1086-2B{0074,0354}. [*Xbcd1086b-2B*{0074}]. BCD1086. (2B).

Xbcd1184-2A{1060}. BCD1184{545}. (2A,2A.1,2B).

Xbcd1184-2A.1 28.32. (2A,2A.1,2B).

Xbcd1184-2B{1060}. BCD1184{545}. (2A,2A.1,2B).

Xbcd1184a-2B 49.67. (2B).

Xbcd1184b-2A 35.2. (2A).

Xbcd1434-2B{154}. [*Xbcd1434a-2B*{154}]. BCD1434{545}. (1A,1B,1D)(2B).

Xbcd1434a-2B 47.74. (2B).

Xbcd1688-2A{1060}. BCD1688{545}. (2A).

Xbcd1688a-2A 31. (2A).

Xbcd1688b-2A 54.47. (2A).

Xbcd1709-2A{9959}[2]. BCD1709{545}. (2A,2B).

Xbcd1709-2B{1060}[1]. 69.7. BCD1709{545}. (2A,2B).

Xbcd1970-2A{1060}. BCD1970{545}. (2A,2A.1,2D).

Xbcd1970-2A.1 19. (2A,2A.1,2D).

Xbcd1970-2D{1060}. BCD1970{545}. (2A,2A.1,2D).

Xbcd1970a-2D 13.61. (2D).

Xbcd1970b-2D 37.27. (2A,2D).

Xbzh834(Per)-2A{256}. [*XPer-2A*]. POX375{1202}. (2A,2B,2D).

Xbzh834(Per)-2B{256}. [*XPer-2B*]. POX375{1202}. (2A,2B,2D).

Xbzh834(Per)-2D{256}. [*XPer-2D*]. POX375{1202}. (2A,2B,2D).

Xcdo57-2A{1060}. CDO57{545}. (1A)(2A,2A.3)(5A,5B,5D)(7A,7B,7D).

Xcdo57-2A.3 19.56. (1A)(2A,2A.3)(5A,5B,5D)(7A,7B,7D).

Xcdo64-2A{232}. CDO64. (2A,2B,2D)(3D)(4D).

Xcdo64-2B{232}. CDO64. (2A,2B,2D)(3D)(4D).

Xcdo64-2D{232}. CDO64. (2A,2B,2D)(3D)(4D).

Xcdo405-2A{1060}. CDO405{545}. (2A,2A.3,2B,2B.2,2D,2D.1).

Xcdo405-2A.3 54.47. (2A,2A.3,2B,2B.2,2D,2D.1).

Xcdo405-2B{1060}. CDO405{545}. (2A,2A.3,2B,2B.2,2D,2D.1).

Xcdo405-2B.2 65.49. (2A,2A.3,2B,2B.2,2D,2D.1).

Xcdo405-2D{1060}. CDO405{545}. (2A,2A.3,2B,2B.2,2D,2D.1).

Xcdo405-2D.1 38.89. (2A,2A.3,2B,2B.2,2D,2D.1).

Xcdo405a-2A 30.51. (2A).

Xcdo447-2A{1060}. CDO447{545}. (2A,2B).

Xcdo447-2B 10.79. (2A,2B).

Xcdo447a-2A 4.32. (2A).

Xcdo447b-2A 60. (2A).

Xcdo456-2A.1{1060}. CDO456{545}. (2A.1,2A.2,2B,2D). The arm location of *Xcdo456-2B* was not reported in {0074}.

Xcdo456-2A.2{1060}. CDO456{545}. (2A.1,2A.2,2B,2D). The arm location of *Xcdo456-2B* was not reported in {0269}.

Xcdo456-2B{0074)}. [*Xcdo456b-2B*{0074}]. CDO456{545}. (2A.1,2A.2,2B,2D). The arm location of *Xcdo456-2B* was not reported in {0074}.

Xcdo456-2D{1060}. CDO456{545}. (2A.1,2A.2,2B,2D). The arm location of *Xcdo456-2B* was not reported in {0074}.

Xcdo456a-2A 2.74. (2A,2B,2D).

Xcdo456a-2B 3.3. (2A,2B,2D).

Xcdo456a-2D 13. (2A,2B,2D).

Xcdo456b-2A 61. (2A,2D).

Xcdo456b-2D 42.23. (2A,2D).

Xcdo665a-2B 56.18. (2B).

Xcdo665b-2A 37.35. (2A).

Xcdo770-2A{154}. 58.79. CDO770{545}. (2A).

Xcdo783-2A{232}. CDO783. (2A,2B,2D).

Xcdo783-2B{232}. CDO783. (2A,2B,2D).

Xcdo783-2D{232}. CDO783. (2A,2B,2D).

Xcdo1090-2A{0269}[2],{1060}[1]. CDO1090{545}. (2A)(5A).

Xcdo1090b-2A 18.47. (2A).

Xcdo1281-2A{1060}. CDO1281{545}. (2A).

Xcdo1281a-2A 59.4. (2A).
Xcdo1281b-2A 29.82. (2A).
Xcdo1376-2A{1060}. CDO1376{545}. (2A).
Xcdo1376a-2A 39.38. (2A).
Xcdo1376b-2A 57.53. (2A).
Xcdo1379-2D{1060}. 28.33. CDO1379{545}. (2D).
Xcdo1479-2D{1060}. 33.47. CDO1479{545}. (2D).
Xcfa2040b-2D 12. (2D).
Xcfa2043b-2B 65.91. (2B).
Xcfa2201-2A 16.83. (2A).
Xcfa2262a-2D 38.53. (2D).
Xcfa2278-2B 64. (2B).
Xcfd2b-2A 56.58. (2A)(5D).
Xcfd2c-2D 37.32. (2D).
Xcfd11a-2D 18. (2D).
Xcfd11b-2B 42.4. (2B).
Xcfd17-2D{0349}. 0. CFD 17F/CFD 17R. (2D).
Xcfd36-2D{0349}. 31.49. CFD 36F/CFD 36R. (2D).
Xcfd36b-2A 14.7. (2A).
Xcfd43-2D{0349}. 5.34. CFD 43F/CFD 43R. (2D).
Xcfd51-2D{0349}. 35.65. CFD 51F/CFD 51R. (2D).
Xcfd53-2D{0349}. 19.33. CFD 53F/CFD 53R. (2D).
Xcfd56-2D{0349}. 41.85. CFD 56F/CFD 56R. (2D).
Xcfd73-2B{0349}. 67.14. CFD 73F/CFD 73R. (2B).
Xcfd77a-2D 5.34. (2D).
Xcfd116-2D 37.89. (2D).
Xcfd160a-2D 40.09. (2D).
Xcfd238-2B 16.93. (2B).
Xcfd255-2D 31.99. (2D).
XChs-2A.1{282}[3]. [*XChs1-2A.1*{282}]. pcCHS11{1237}. (1A)(2A.1,2A.2,2A.3,2B,2D).
Xcmwg682-2A{1060}. cMWG682{467}. (2A,2D).
Xcmwg682-2D{1060}. cMWG682{467}. (2A,2D).
Xcmwg682a-2A 2.21. (2A,2B,2D).
Xcmwg682a-2B 2.6. (2A,2B,2D).
Xcmwg682a-2D 12. (2A,2B,2D).
Xcmwg682b-2D 46.86. (2A,2D).
Xcmwg682 b-2D 46.86. (2D).
Xcn112-2B 70.75. (2B).
Xcnl6a-2B 58. (2B)(7D).
Xcnl9(Pdc)-2B{0269}[2]. [*Pdc-2B*{0269}[2]]. Pdc. (2B).
Xcnl12-2B 70.75. (2B).
Xcsih74-2D{757}[4]. [*XcsIH74*{757}]. csIH74{757}. (2D).
Xcsu182(Sod)-2B{0091}. [*Sod-2B*{0091}]. CSU182. (2B).
XE1M1g-2B 23.29. (2B).
Xfba3-2A 21.18. (2A).
Xfba4-2B{1060}. FBA004. (2B,2B.1,2D)(4A).
Xfba4-2B.1 45.62. (2B,2B.1,2D)(4A).
Xfba4-2D 25.83. (2B,2B.1,2D)(4A).
Xfba29-2B{1060}. 51.81, 54.98. FBA029. (2B).
Xfba38-2B{0242}. FBA038. (2B,2D).
Xfba38-2D{1060}. 43.7. FBA038. (2B,2D).

Xfba65-2D{1060}. 42.5. FBA065. (2D)(4A)(5B)(6A)(7A).
Xfba70-2A.1{1060}. FBA070. (2A.1,2A.2,2B).
Xfba70-2A.2{1060}. FBA070. (2A.1,2A.2,2B).
Xfba70-2B 10.19. (2A.1,2A.2,2B).
Xfba70a-2A 3.22. (2A).
Xfba70b-2A 60. (2A).
Xfba82-2A{1060}. FBA082. (2A,2B).
Xfba82-2B 3.3. (2A,2B).
Xfba82a-2A 2.9. (2A).
Xfba82b-2A 60. (2A).
Xfba83-2B{154}. 10.71. FBA083. (2B,2D).
Xfba83-2D{1060}. FBA083. (2B,2D).
Xfba83a-2D 11. (2D).
Xfba83b-2D 38.71. (2D).
Xfba88-2A{154}. 0. FBA088. (2A,2D).
Xfba88-2D{1060}. 25.11. FBA088. (2A,2D).
Xfba106-2A{1060}. FBA106. (2A,2B,2B.2).
Xfba106-2B{1060}. FBA106. (2A,2B,2B.2).
Xfba106-2B.2 65.02. (2A,2B,2B.2).
Xfba106a-2A 30.71. (2A).
Xfba106b-2A 55.49. (2A).
Xfba127-2B{0354}. [*Xfba127a-2B*{0354}]. FBA127. (2B)(3A,3A.1)(5B)(6B)(7A).
Xfba178-2A{1060}. 24.38. FBA178. (1B)(2A).
Xfba198-2A{1060}. 14.56. FBA198. (2A).
Xfba272-2A{1060}. FBA272. (2A,2A.1,2B,2B.2,2D).
Xfba272-2A.1 32.91. (2A,2A.1,2B,2B.2,2D).
Xfba272-2B{1060}. FBA272. (2A,2A.1,2B,2B.2,2D).
Xfba272-2B.2 53.23. (2A,2A.1,2B,2B.2,2D).
Xfba272-2D{1060}. 14.72. FBA272. (2A,2A.1,2B,2B.2,2D).
Xfba280-2A{1060}. FBA280. (2A,2A.2,2B,2B.1).
Xfba280-2A.2 18.07. (2A,2A.2,2B,2B.1).
Xfba280-2B{1060}. FBA280. (2A,2A.2,2B,2B.1).
Xfba280-2B.1 35.09. (2A,2A.2,2B,2B.1).
Xfba300-2A{1060}. 35.28. FBA300. (2A).
Xfba308-2B 26.43. (2B).
Xfba329c-2A 15.39. (2A).
Xfba341-2D.1{1060}. FBA341. (2D.1,2D.2).
Xfba349-2D{1060}. 12. FBA349. (2D)(7A).
Xfba374-2A{1060}. FBA374. (2A,2B).
Xfba374-2B{1060}. FBA374. (2A,2B).
Xfba374a-2A 31. (2A).
Xfba374b-2A 56. (2A,2B).
Xfba374b-2B 63. (2A,2B).
Xfba400-2D{1060}. 22.31. FBA400. (2D).
Xfbb21-2B{1060}. 70.94. FBB021. (2B).
Xfbb40-2B{1060}. FBB040. (2B,2B.2)(6A,6A.1,6D).
Xfbb40-2B.2 45.62. (2B,2B.2)(6A,6A.1,6D).
Xfbb47-2B{1060}. 68.33. FBB047. (2B).
Xfbb61-2A{1060}. 13.93. FBB061. (2A)(6B).
Xfbb62-2B{1060},{1057}. [*Xfbb62-2B.1*{1060}]. 54.98. FBB062. (2B).
Xfbb67-2A{0354}. FBB67. (2A)(4B)(7A,7B).

Xfbb72-2A{1060}. FBB072. (2A,2A.2,2D).
Xfbb72-2A.2 18.71. (2A,2A.2,2D).
Xfbb75-2B.1{1060},{154}. [*Xfbb75b-2B*{154}]. FBB075. (2B.1,2B.2). The arm location of *Xfbb75-2B* was not reported in {1060}.
Xfbb75a-2B 70.94. (2B).
Xfbb121-2B{1060}. FBB121. (2B,2B.5)(4B,4B.1)(5B.1,5B.2)(7A).
Xfbb121-2B.5 44.65. (2B,2B.5)(4B,4B.1)(5B.1,5B.2)(7A).
Xfbb171-2B{154}. 5.71. FBB171. (1A)(2B).
Xfbb185-2B{154}. 50.31. FBB185. (2B)(3B)(6B).
Xfbb189b-2D 11.6. (2D).
Xfbb212-2A{1060}. 60. FBB212. (2A).
Xfbb226a-2A 26.89. (2A,2B).
Xfbb226a-2B 70.94. (2A,2B).
Xfbb226b-2A 47.85. (2A,2B).
Xfbb274-2B{1060}. FBB274. (2B,2B.1,2D)(3B).
Xfbb274-2B.1 23. (2B,2B.1,2D)(3B).
Xfbb274-2D{1060}. 10. FBB274. (2B,2B.1,2D)(3B).
Xfbb279-2D{1060}. 33.52. FBB279. (2D).
Xfbb289-2A{1060}. 15.39. FBB289. (2A).
Xfbb329-2A{1060}. 31.38. FBB329. (2A).
Xfbb347-2B{1060}. FBB347. (2B).
Xfbb353-2A.2 61. (2A,2A.2,2B)(3A,3A.1).
Xfbb353-2B{154}. 62.11. FBB353. (2A,2A.2,2B)(3A,3A.1).
Xfbb359-2A{1060},{1057}. [*Xfba359-2A*{1060}]. FBB359. (2A)(6B).
Xfbb359a-2A 47.4. (2A).
Xfbb359b-2A 56.34. (2A)(6B).
Xfdba349-2D 24.55. (2D).
Xgbx3581-2A{0354}. GBX3581. (1B)(2A)(4B).
Xgbx3793-2B{9958}. gbx3793. (2B)(3B).
Xgbx3793x-2B 43.98. (2B).
Xgbx3818-2A{9958}. gbx3818. (2A).
Xgbx3818y-2A 16.8. (2A).
Xgbx3832-2A{9958}. [*Xgbx3832c-2A*{9958}]. gbx3832. (2A,2D)(4A)(5A).
Xgbx3832c-2A 48.45. (2A).
Xgbx4986-2A{9958}. 61. gbx4986. (2A).
XgbxG35-2B.1{9958,0354}. [*XgbxG035c-2B*{9958}, *XgbxG035a-2B*{0354}]. 47.37. gbxG035. (2B.1,2B.2)(4A)(7B).
XgbxG36-2A{9958}. [*XgbxG036a-2A*{9958}]. 28.9. gbxG036. (2A)(4A)(6A)(7b).
XgbxG142-2B{9958}. 57.42. gbxG142. (2B).
XgbxG212-2D{9958}. 42.5. gbxG212. (2D).
XgbxG218-2D{9958}. [*XgbxG218b-2D*{9958}]. gbxG218. (2D)(7A,7B,7D).
XgbxG218b-2D 11. (2D).
XgbxG281-2A{9958}. 30.76. gbxG281. (2A,2B).
XgbxG281-2B{0354}. gbxG281. (2A,2B).
XgbxG520-2B{9958}. 64. gbxG520. (2B).
XgbxG536-2D{9958}. 43.19. gbxG536. (2D).
XgbxG542-2A{9958}. [*XgbxG542a-2A*{9958}]. 50.57. gbxG542. (1A)(2A)(3D)(4A).
XgbxG747-2A{9958}. [*XgbxG747b-2A*{9958}]. gbxG747. (2A,2D).
XgbxG747-2D{9958}. [*XgbxG747a-2D*{9958}]. gbxG747. (2A,2D).
XgbxG747a-2D 12. (2D).
XgbxG747b-2A 8.35. (2A).

XgbxGx71-2B{9958}.　58.09.　gbxGx71.　(2B)(3B).

XgbxR452-2B{9958}.　58.　gbxR452.　(2B).

XgbxR618-2D{9958}.　43.68.　gbxR618.　(2D).

XgbxR739-2B{9958}.　60.4.　gbxR739.　(2B,2D).

XgbxR739-2D{0354}.　gbxR739.　(2B,2D).

Xgdm5-2A{0173}.　DMS F5/DMS R5.　(2A).

Xgdm19-2D{0173}.　DMS F19/DMS R19.　(1D)(2D).

Xgdm35-2D{0173}.　DMS F35/DMS R35.　(2D).

Xgdm93a-2B　5.6.　(2B).

Xgdm107-2D{0173}.　DMS F107/DMS R107.　(2D).

Xglk197-2A{0031}[1].　pTag197.　(2A)(7B).

Xglk222-2A{0031}.　pTag222.　(2A,2D)(5B,5D).

Xglk222-2D{822}.　pTag222.　(2A,2D)(5B,5D).　The arm location of *Xglk222-2D* was not reported in {822}.

Xglk302-2B{822,0049}.　[*Xglk302b-2B*{822,0049}].　pTag302.　(2B,2B.1)(4A,4D)(7B).　The arm location of *Xglk302-2B* was not reported in {822}.

Xglk302-2B.1　0.　(2B,2B.1)(4A,4D)(7B).

Xglk398-2B.1{822,0049}.　[*Xglk398a-2B*{822,0049}].　pTag398.　(2B.1,2B.2).　The arm location of *Xglk398-2B* was not reported in {822}.

Xglk398-2B.2{822,0049}.　[*Xglk398b-2B*{822,0049}].　pTag398.　(2B.1,2B.2).　The arm location of *Xglk398-2B* was not reported in {822}.

Xglk400-2B{822,0049}.　pTag400.　(2B).　The arm location of *Xglk400-2B* was not reported in {822}.

Xglk407-2B{822,0049}.　pTag407.　(2B)(5A).　The arm location of *Xglk407-2B* was not reported in {822}.

Xglk471-2B{822,0049}.　[*Xglk471b-2B*{822,0049}].　pTag471.　(2B).

Xglk546-2B.1{822}.　[*Xglk546f-2B*{822,0049}].　pTag546.　(2B.1,2B.2)(3B)(5A.1,5A.2)(6B)(7A,7B).　The arm location of *Xglk546-2B.2* was not reported in {822}.

Xglk546-2B.2{822,0049}.　[*Xglk546f-2B*{822,0049}].　pTag546.　(2B.1,2B.2)(3B)(5A.1,5A.2)(6B)(7A,7B).　The arm location of *Xglk546-2B.2* was not reported in {822}.

Xglk578-2B{822,232}.　[*Xglk578b*{822}].　pTag578.　(2B)(4A,4B,4D).

Xglk661-2B{822,0049}.　[*Xglk661c-2B*{822,0049}].　pTag661.　(2B)(4A(1),4A(2),4B,4D).　The arm location of *Xglk661-2B* was not reported in {822}.

Xglk687-2B{822,0049}.　[*Xglk687a-2A*{0031}].　pTag687.　(2B).　The arm location of *Xglk687-2B* was not reported in {822}.

Xglk703-2B{822,0049}.　pTag703.　(2B).　The arm location of *Xglk703-2B* was not reported in {822}.

Xglk2002(Hst2a-1)-2A{0049}.　[*Hst2a-A1*{0049}].　pwcH2A-4.　(2A,2B,2D).

Xglk2002(Hst2a-1)-2B{0049}.　[*Hst2a-B1*{0049}].　pwcH2A-4.　(2A,2B,2D).

Xglk2002(Hst2a-1)-2D{0049}.　[*Hst2a-D1*{0049}].　pwcH2A-4.　(2A,2B,2D).

Xgpw294a-2D　13.　(2D).

Xgpw320-2B　65.　(2B).

Xgpw332-2D　23.27.　(2D).

Xgpw346-2D　43.88.　(2D).

Xgpw349-2D　44.73.　(2D).

Xgpw361-2D　40.7.　(2D).

Xgpw1030-2B　55.87.　(2B).

Xgpw1073-2B　64.69.　(2B).

Xgpw1099-2B　35.89.　(2B).

Xgpw1109-2B   64.   (2B).
Xgpw1148a-2A   59.35.   (2A).
Xgpw1148b-2B   51.81.   (2B).
Xgpw1162-2A   4.6.   (2A).
Xgpw2018-2A   17.21.   (2A).
Xgpw2039-2B   12.28.   (2B).
Xgpw2088-2D   45.29.   (2D).
Xgpw2089-2A   25.25.   (2A).
Xgpw2111-2A   51.69.   (2A).
Xgpw2125-2A   5.86.   (2A).
Xgpw2127-2A   22.64.   (2A).
Xgpw2204-2A   52.81.   (2A).
Xgpw2225a-2A   53.91.   (2A).
Xgpw2225b-2B   65.   (2B).
Xgpw2253-2A   53.91.   (2A).
Xgwm10-2A{1226}.   56.34.   WMS 10F/WMS 10R.   (2A,2B)(3A).
Xgwm37w-2D   11.   (2D).
Xgwm55-2B{1225}.   56.   WMS 55F/WMS 55R.   (2B,2B.1)(3B).
Xgwm55-2B.1{1225,9929}.   [*Xgwm55-2B*{1225}].   56.   WMS 55F/WMS 55R.
    (2B,2B.1)(3B).
Xgwm55a-2B   52.43.   (2B)(6D).
Xgwm68-2A{0171}.   [*Xgwm68a-2A*{0171}].   WMS F68/WMS R68.   (2A)(5B)(7B,7B.2).
Xgwm71-2A.1{1225,9929}.   [*gwm71a*{1225}, *Xgwm71.1-2A*{9929}].   WMS 71F/WMS 71R.
    (2A.1,2A.2,2B,2B.2)(3D).
Xgwm71-2A.2{1225}.   [*gwm71b*{1225}].   WMS 71F/WMS 71R.   (2A.1,2A.2,2B,2B.2)(3D).
Xgwm71-2B{0035}[2].   [*Xgwm71a-2B*{0035}].   WMS F71/WMS R71.
    (2A.1,2A.2,2B,2B.2)(3D).
Xgwm71-2B.2   48.88.   (2A.1,2A.2,2B,2B.2)(3D).
Xgwm71a-2A   28.72.   (2A).
Xgwm71b-2A   52.43.   (2A).
Xgwm95-2A{724}.   56.12.   WMS 95F/WMS 95R.   (2A).
Xgwm102-2D{1225}.   44.   WMS 102F/WMS 102R.   (2D).
Xgwm122-2A{9929}[1],{0035}[2].   58.04.   WMS F122/WMS R122.   (2A).   The arm location of
    Xgwm122-2A was not reported in {9929}.
Xgwm148-2B{1225}.   WMS 148F/WMS 148R.   (2B).
Xgwm210-2A.1   3.55.   (2A.1,2B,2B.1,2D,2D.2).
Xgwm210-2B{9925}.   WMS 210F/WMS 210R.   (2A.1,2B,2B.1,2D,2D.2).
Xgwm210-2B.1   4.   (2A.1,2B,2B.1,2D,2D.2).
Xgwm210-2D{1225}.   WMS 210F/WMS 210R.   (2A.1,2B,2B.1,2D,2D.2).
Xgwm210-2D.2   17.31.   (2A.1,2B,2B.1,2D,2D.2).
Xgwm249-2A.1   58.72.   (2A.1,2D).
Xgwm249-2D{1225}.   WMS 249F/WMS 249R.   (2A.1,2D).
Xgwm249a-2D   48.   (2D).
Xgwm257-2B{1225}.   WMS 257F/WMS 257R.   (2B).
Xgwm257a-2B   46.99.   (2B).
Xgwm257b-2B   58.21.   (2B).
Xgwm261-2D{727}.   WMS 261F/WMS 261R.   (2D).
Xgwm275-2A{9929}[1],{0035}[2].   56.12.   WMS F275/WMS R275.   (2A).   The arm location of
    Xgwm275-2A was not reported in {9929}.
Xgwm294a-2A   52.94.   (2A).
Xgwm296-2A.1   18.63.   (2A,2A.1,2D)(7D).

Xgwm296-2A{1225}. [*gwm296a*{1225}]. WMS 296F/WMS 296R. (2A,2A.1,2D)(7D).

Xgwm296-2D{1225}. [*gwm296b*{1225}]. 16.17. WMS 296F/WMS 296R. (2A,2A.1,2D)(7D).

Xgwm297-2A{0171}. [*Xgwm297b-2A*{0171}]. WMS F297/WMS R297. (2A)(4A)(7B).

Xgwm328a-2A 42.58. (2A).

Xgwm339-2A{1225}. 56.12. WMS 339F/WMS 339R. (2A).

Xgwm358b-2D 0. (2D).

Xgwm359-2A{9929}. 23. WMS F359/WMS R359. (1B)(2A).

Xgwm372a-2A 43.62. (2A).

Xgwm388a-2B 58. (2B).

Xgwm410-2B{1225}. WMS 410F/WMS 410R. (2B,2B.2)(5A,5A.1).

Xgwm410-2B.2 59.86. (2B,2B.2)(5A,5A.1).

Xgwm425-2A{1225}. 56.17. WMS 425F/WMS 425R. (2A).

Xgwm429-2B{1225}. 59.55. WMS 429F/WMS 429R. (2B).

Xgwm448-2A{9929}[1],{0035}[2]. 56.12. WMS F448/WMS R448. (2A). The arm location of *Xgwm448-2A* was not reported in {9929}.

Xgwm455-2D{1225}. 26.29. WMS 455F/WMS 455R. (2D).

Xgwm484-2D{1225}. 31.49. WMS 484F/WMS 484R. (2D).

Xgwm496-2A 5.21. (2A).

Xgwm497-2A{9929}. WMS F497/WMS R497. (1A,1A.2)(2A)(3A,3D,3D.1)(5B)(6A.3).

Xgwm497b-2A 12.69. (2A).

Xgwm512-2A{1225}. 13.03. WMS 512F/WMS 512R. (2A).

Xgwm515-2A{9929}. 56.12. WMS F515/WMS R515. (2A,2D).

Xgwm515-2D{1225}. WMS 515F/WMS 515R. (2A,2D).

Xgwm515b-2D 41.61. (2D).

Xgwm547-2B{0035}[2]. WMS F547/WMS R547. (2B)(3B).

Xgwm614-2A{9929}. 9.95. WMS F614/WMS R614. (2A,2B).

Xgwm614-2B 2.84. (2A,2B).

Xgwm630-2A{0171}. [*Xgwm630c-2A*{0171}]. WMS F630/WMS R630. (2A,2B).

Xgwm630-2B{9929}. 69.52. WMS F630/WMS R630. (2A,2B).

Xgwm636-2A{1225}. 17.7. WMS 636F/WMS 636R. (1B)(2A).

Xksu904(Per2)-2A{0091}. [*Per2-2A*{0091}]. pox22.3{0093}. (2A,2B).

Xksu904(Per2)-2B{0091}. [*Per2-2B*{0091}]. pox22.3{0093}. (2A,2B).

XksuC2-2A{282}[3]. pTtksuC2{448}. (2A)(4B,4D)(5A).

XksuD18-2A{1060}[1]. 19.3. pTtksuD18. (2A,2B,2D.1,2D.2)(4D)(7B).

XksuD18-2B{154}[1]. pTtksuD18. (2A,2B,2D.1,2D.2)(4D)(7B).

XksuD18-2D.1{448}[1,4]. [*XksuD18(A)-2D*{448}, *XksuD18-2D(1)*{961}]. pTtksuD18. (2A,2B,2D.1,2D.2)(4D)(7B). The arm locations of the *Ae. tauschii XksuD18* loci were not reported in {448}.

XksuD18-2D.2{448}[1,4]. [*XksuD18(B)-2D*{448}, *XksuD18-2D(2)*{961}]. pTtksuD18. (2A,2B,2D.1,2D.2)(4D)(7B). The arm locations of the *Ae. tauschii XksuD18* loci were not reported in {448}.

XksuD18b-2B 0. (2B).

XksuE3b-2D 11. (2D)(3B)(4A).

XksuF11a-2B 70.05. (2A,2B).

XksuF19-2A{232}[1]. pTtksuF19. (2A,2B,2D)(6B,6D).

XksuF19-2B{232}[1]. pTtksuF19. (2A,2B,2D)(6B,6D).

XksuF19-2D{448}[4], {232}[1]. pTtksuF19. (2A,2B,2D)(6B,6D). The arm location of *XksuF19-2D* in *Ae. tauschii* was not reported in {448}.

XksuG5a-2A 45.12. (2A).

XksuH9-2A{282}[3]. pTtksuH9{448}. (1A,1A.2,1B,1D)(2A,2D,2D.1,2D.2,2D.3)(4A)(5A)(7A).

XksuH9a-2A 18.3. (2A)(4A).
XM83P65-2A.2 48.52. (1A.1)(2A.2)(3B.10,3D.9)(7A.4,7B.7).
XM85P65-2A.4 58.82. (1B.5)(2A.4)(5A.0,5A.2)(6A.3,6B.6)(7A.1).
XM86P65-2B.1 31.31. (2B.1,2D.3)(3B.4)(6B.5)(7B.0).
Xmgb225-2A{9959}[2]. MGB225. (2A).
Xmgb243-2B{9959}[2]. MGB243. (2B).
Xmwg676a-2B 7.69. (2B).
Xmwg682a-2B 2.6. (2B).
Xmwg682b-2D 13. (2D).
Xmwg858-2A{282}[3]. MWG858{467}. (2A).
Xmwg950-2B{1060}. 62.3. MWG950{467}. (2B).
Xopab2-1410-2B 20.9. (2B).
Xopag08-300-2A 45.11. (2A).
Xopal19-700-2A 52.39. (2A).
Xopx9-970-2B 10.07. (2B).
XP32/M37-6-2D 19.92. (2D).
XP37/M39f-2D 24.55. (2D).
XP39M49-121-2D 15.92. (2D).
XP78M43-2A.9 35.3.
   (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
XP78M59-2B.1 10.64. (2B.1)(3B.2,3D.3)(4A.6)(7A.5,7B.7).
XP78M68-2B.2 11.72. (2B.2,2B.3b)(7A.6).
XP78M68-2B.3b 11.72. (2B.2,2B.3b)(7A.6).
XP78M71-2B.1 43.4. (1A.5)(2A.7,2B.1)(6B.3)(7A.8,7B.2,7B.6).
XP78M72-2B.8 12.28. (1B.4)(2B.8,2D.4a)(5B.3)(6B.7)(7A.2).
XP78M72-2D.4a 45.03. (1B.4)(2B.8,2D.4a)(5B.3)(6B.7)(7A.2).
XP78M87-2A.3 7.68. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
XP78M87-2B.5 47.62. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
XP78M92-2A.10 24.59. (1B.2)(2A.10)(3B.0,3B.3,3B.5).
XPAACTelo1-2A 31. (2A).
XpBS128b-2D 35.88. (2D).
XpBS128c-2B 63. (2B).
Xpsp2152(Tel)-2B.1{888}. PSP2159F/PSP2152R[a]. (2B.1,2D.1)(3B.3)(4B.12,4B.9)(5D.2).
Xpsp2152(Tel)-2D.1{888}. T4/PSP2152R[a]. (2B.1,2D.1)(3B.3)(4B.12,4B.9)(5D.2).
Xpsp3058-2D{1425}. PSP3058F/PSP3058R. (2D)(4A)(6D).
Xpsp3142-2A{1425}. PSP3142/PSP3142R. (2A)(4A).
Xpsp3153-2A{151,1425}. 21.81. PSP3153/PSP3153R. (2A).
Xpsr100(60S)-2A{256}[b]. [*Xpsr100-2A*{256}]. PSR100. (2A,2B,2D)(5A,5B,5D).
Xpsr100(60S)-2B{256}[b]. [*Xpsr100-2B*{256}]. PSR100. (2A,2B,2D)(5A,5B,5D).
Xpsr100(60S)-2D{256}[b]. [*Xpsr100-2D*{256}]. PSR100. (2A,2B,2D)(5A,5B,5D).
Xpsr107-2A 59.16. (2A).
Xpsr107(Lhcb4)-2A{256}[b]. [*Xpsr107-2A*{256}]. PSR107. (2A,2B,2D).
Xpsr107(Lhcb4)-2B{256}[b]. [*Xpsr107-2B*{256}]. PSR107. (2A,2B,2D).
Xpsr107(Lhcb4)-2D{256}[b]. [*Xpsr107-2D*{256}]. PSR107. (2A,2B,2D).
Xpsr108(Glp3)-2A{1328,410}[b]. [*Xpsr108-2A*{1328,410}]. PSR108. (2A,2B,2D)(7A,7B,7D).
Xpsr108(Glp3)-2B{1328,410}[b]. [*Xpsr108-2B*{1328,410}]. PSR108. (2A,2B,2D)(7A,7B,7D).
Xpsr108(Glp3)-2D{1328,410}[b]. [*Xpsr108-2D*{1328,410}]. PSR108. (2A,2B,2D)(7A,7B,7D).
Xpsr109(Rbcs)-2A{1328,256}. [*Xpsr109-2A*{1328,256}]. 28.41. PSR109.
   (2A,2B,2D.1,2D.2,2D.3)(5A,5B,5D).
Xpsr109(Rbcs)-2B{1328,256}. [*Xpsr109-2B*{1328,256}]. PSR109.
   (2A,2B,2D.1,2D.2,2D.3)(5A,5B,5D).

Xpsr109(Rbcs)-2D.1{1328,256}. [*Xpsr109-2D(1)*{1328,256}]. PSR109.
  (2A,2B,2D.1,2D.2,2D.3)(5A,5B,5D).
Xpsr109(Rbcs)-2D.2{1328,256}. [*Xpsr109-2D(2)*{1328,256}]. PSR109.
  (2A,2B,2D.1,2D.2,2D.3)(5A,5B,5D).
Xpsr109(Rbcs)-2D.3{1328,256}. [*Xpsr109-2D(3)*{1328,256}]. PSR109.
  (2A,2B,2D.1,2D.2,2D.3)(5A,5B,5D).
Xpsr126-2A{1328}. PSR126. (2A,2B,2D).
Xpsr126-2B{1328}. 48.34. PSR126. (2A,2B,2D).
Xpsr126-2D{1328}. PSR126. (2A,2B,2D).
Xpsr130-2A{1328,256}. PSR130. (2A,2B,2D).
Xpsr130-2B{1328,256}. PSR130. (2A,2B,2D).
Xpsr130-2D{1328,256}. PSR130. (2A,2B,2D).
Xpsr131-2A{1328,256}. PSR131. (2A,2B,2D)(5A,5D).
Xpsr131-2B{1328,256}. PSR131. (2A,2B,2D)(5A,5D).
Xpsr131-2D{1328,256}. PSR131. (2A,2B,2D)(5A,5D).
Xpsr133-2A 28.41. (2A).
Xpsr135(17kD)-2A{1329,256}[b]. [*Xpsr135-2A*{1329,256}]. PSR135. (2A,2B,2D).
Xpsr135(17kD)-2B{1329,256}[b]. [*Xpsr135-2B*{1329,256}]. PSR135. (2A,2B,2D).
Xpsr135(17kD)-2D{1329,256}[b]. [*Xpsr135-2D*{1329,256}]. PSR135. (2A,2B,2D).
Xpsr135b-2A 58.79. (2A).
Xpsr137-2A{256,410}. PSR137. (2A,2B,2D).
Xpsr137-2B{256,410}. PSR137. (2A,2B,2D).
Xpsr137-2D{256,410}. PSR137. (2A,2B,2D).
Xpsr143(Lhcb3)-2A{256}[b]. [*Xpsr143-2A*{256}]. PSR143. (2A).
Xpsr146-2A{256}. PSR146. (2A,2B,2D).
Xpsr146-2B{256}. 49.98. PSR146. (2A,2B,2D).
Xpsr146-2D{256}. PSR146. (2A,2B,2D).
Xpsr150(Hsp82)-2A{256}[b]. [*Xpsr150-2A*{256}]. PSR150.
  (2A,2B,2D)(5A,5B,5D)(7A,7B,7D).
Xpsr150(Hsp82)-2B{256}[b]. [*Xpsr150-2B*{256}]. PSR150.
  (2A,2B,2D)(5A,5B,5D)(7A,7B,7D).
Xpsr150(Hsp82)-2D{256}[b]. [*Xpsr150-2D*{256}]. PSR150.
  (2A,2B,2D)(5A,5B,5D)(7A,7B,7D).
Xpsr172(Lhcb1)-2B{0031}. [*Xpsr172-2B*{0031}]. PSR172.
  (1A)(2B)(5A,5B,5D)(7A,7B,7D).
Xpsr332-2A{282}[3]. 28.41. PSR332{410}. (2A)(4A,4B,4D).
Xpsr335-2B{410}. PSR335. (2B)(5D).
Xpsr379-2A{256}. PSR379. (2A,2B,2D).
Xpsr379-2B{256}. PSR379. (2A,2B,2D).
Xpsr379-2D{256}. PSR379. (2A,2B,2D).
Xpsr386-2A{0031}. [*Xpsr386c-2A*{0031}]. PSR386.
  (1A,1A.1)(2A)(3B,3B.4)(5A,5A.3)(7A,7A.2).
Xpsr489(Ss2)-2A{256,161}. [*XSs2-2A*]. pST3{898}. (2A,2B,2D[*]).
Xpsr489(Ss2)-2B{256,161}. [*XSs2-2B*]. pST3{898}. (2A,2B,2D[*]).
Xpsr489(Ss2)-2D[*]{256,161}. [*XSs2-2D*]. pST3{898}. (2A,2B,2D[*]).
Xpsr549-2B{256}. PSR549. (1A.1,1A.2)(2B)(3A)(5A).
Xpsr551-2B{410}. PSR551. (2B)(6B).
Xpsr566-2A{256}. PSR566. (2A,2B,2D).
Xpsr566-2D{256}. PSR566. (2A,2B,2D).
Xpsr566-2B{0031}. [*Xpsr566b-2B*{0031}]. PSR566. (2A,2B,2D).
Xpsr593-2B{256}. 46.02. PSR593. (1B)(2B)(4A.2,4B)(7B).

Xpsr596-2B{0242}. PSR596. (1A,1B,1D)(2B)(3A,3B).
Xpsr649-2A{256}. PSR649. (2A,2D)(3D).
Xpsr649-2D{256}. PSR649. (2A,2D)(3D).
Xpsr666-2A{256}. PSR666. (2A,2B,2D).
Xpsr666-2B{256}. PSR666. (2A,2B,2D).
Xpsr666-2D{256}. PSR666. (2A,2B,2D).
Xpsr804(Sbp)-2B.1{251,250}. [*XSbp-2B(1)*]. S9.2{1188}. (2B.1,2B.2)(3A,3B,3D)(7B).
Xpsr899-2B{256}. ABA7{473}. (2B)(6A,6D).
Xpsr900-2A{256}. PSR900. (2A,2B,2D).
Xpsr900-2B{256}. PSR900. (2A,2B,2D).
Xpsr900-2D{256}. PSR900. (2A,2B,2D).
Xpsr903-2D{250,256}. PSR903. (2D)(3A,3B,3D)(5D).
Xpsr908-2A{256}. PSR908. (1B)(2A,2D)(6B,6D).
Xpsr908-2D{256}. 21.27. PSR908. (1B)(2A,2D)(6B,6D).
Xpsr912-2A{256}. PSR912. (2A,2B,2D)(5A,5D).
Xpsr912-2B{256}. PSR912. (2A,2B,2D)(5A,5D).
Xpsr912-2D{256}. PSR912. (2A,2B,2D)(5A,5D).
Xpsr920-2A{410}. PSR920{255}. (2A,2B,2D)(4A,4B,4D).
Xpsr920-2B{410}. PSR920{255}. (2A,2B,2D)(4A,4B,4D).
Xpsr920-2D{410}. PSR920{255}. (2A,2B,2D)(4A,4B,4D).
Xpsr928-2A{256}. PSR928. (2A,2D).
Xpsr928-2D{256}. PSR928. (2A,2D).
Xpsr933-2A{256}[1]. PSR933. (2A,2B,2D).
Xpsr933-2D{256}[1]. PSR933. (2A,2B,2D).
Xpsr933-2B{9959}[2]. PSR933. (2A,2B,2D).
Xpsr946-2D{256}. PSR946. (1D)(2D)(3A)(5D)(7A.1,7A.2,7D.1,7D.2,7D.3).
Xpsr2152(Tel)-2D.1{888}. PSR2152. (2D.1)(3B.2).
Xpsr801(Rbcs)-2A{178,423}. [*Rbcs-2A*{178}, *rbcs-2A*{423}].
   pW9{139},pTS512{1394},pW4.3{139}. (2A,2B,2D[*]). The development of probes
   specific to two of the three gene subfamilies on chromosome arms 2S and to the subfamily on
   chromosome arm 5L were reported in {0149}.
Xpsr801(Rbcs)-2B{178,423}. [*Rbcs-2B*{178}, *rbcs-2B*{423}].
   pW9{139},pTS512{1394},pW4.3{139}. (2A,2B,2D[*]). The development of probes
   specific to two of the three gene subfamilies on chromosome arms 2S and to the subfamily on
   chromosome arm 5L were reported in {0149}.
Xpsr801(Rbcs)-2D[*]{178,423}. [*Rbcs-2D*{178}, *rbcs-2D*{423}].
   pW9{139},pTS512{1394},pW4.3{139}. (2A,2B,2D[*]). The development of probes
   specific to two of the three gene subfamilies on chromosome arms 2S and to the subfamily on
   chromosome arm 5L were reported in {0149}.
XRbp-2A{423}[*]. pSV10{423}. (2A,2B,2D).
XRbp-2B{423}[*]. pSV10{423}. (2A,2B,2D).
XRbp-2D{423}[*]. pSV10{423}. (2A,2B,2D).
Xrsq805(Embp)-2B{9959}[2]. [*Xrsq805-2B*{9959}[2]]. pGC19{471}.
   (2B)(3B)(5A,5B,5D)(6A,6B)(7D).
Xrz69-2B{1060}. 42.32. RZ69. (2B).
Xrz395-2A{1060}. RZ395. (2A)(5A,5A.1,5B,5D,5D.2).
Xrz395a-2A 41.42. (2A).
Xrz395b-2A 60. (2A).
Xrz444-2B{1060}. RZ444. (2B,2B.1,2D).
Xrz444-2B.1 49.33. (2B,2B.1,2D).
Xsun17-2D{0256}. SUN 17F/SUN 17R. (2D).

Xtam18-2A{245,1060}. TAM18{245}. (2A,2B,2D).
Xtam18-2B{245,1060}. 70.58. TAM18{245}. (2A,2B,2D).
Xtam18-2D{245,1060}. TAM18{245}. (2A,2B,2D).
Xtam72-2B{1060}. TAM72{245}. (2B,2B.3)(3B)(4A)(5B).
Xtam72-2B.3 63.3. (2B,2B.3)(3B)(4A)(5B).
Xucg1(ACCp)-2A{459}. UCG1{459}. (2A,2B,2D).
Xucg1(ACCp)-2B{459}. UCG1{459}. (2A,2B,2D).
Xucg1(ACCp)-2D{459}. UCG1{459}. (2A,2B,2D).
Xutv1074-2B{9959}[2]. UTV1074. (2B).
Xutv1340-2B.1{9959}[2]. UTV1340. (2A,2B.1,2B.2,2B.3).
Xutv1343-2A{9959}[2]. UTV1343. (2A)(4A.1,4A.2)(5B).
Xutv1441-2A{9959}[2]. UTV1441. (1A)(2A)(3B)(4B)(5A)(6B).
XW21a-2D 0. (2D).
XWB007i-2B 45.04. (2B).
XWB124pba-2D 0. (2D).
XWB124pbb-2A 3.18. (2A).
XWB124pbc-2B 6.78. (2B).
Xwmc18-2D{0242}. [*Xwmc018-2D*{0242}]. 45.88. WMC 18F/WMC 18R. (2D).
Xwmc25-2B{0242}. [*Xwmc025.2-2B*{0242}]. WMC 25F/WMC 25R. (2B,2B.2,2D).
Xwmc25-2B.2 33.58. (2B,2B.2,2D).
Xwmc25-2D{0153,0348}. [*Xwmc025.2-2B*{0242}]. WMC 25F/WMC 25R. (2B,2B.2,2D).
Xwmc25y-2D 26.38. (2D).
Xwmc35-2B{0242}. [*Xwmc035a-2B*{0242}]. 63.28. WMC 35F/WMC 35R. (2B)(4B).
Xwmc69-2A.2 32.98. (2A.2)(3B.1).
Xwmc83y-2B 29.32. (2B).
Xwmc111-2D{0242}. 13. WMC 111F/WMC 111R. (2D).
Xwmc112-2D{0242}. WMC 112F/WMC 112R. (2D).
Xwmc112y-2D 26.59. (2D).
Xwmc154-2B{0242}. 35.07. WMC 154F/WMC 154R. (2B).
Xwmc166-2D{0348}. WMC 166F/WMC 166R. (2D)(7B).
Xwmc175b-2B 70.21. (2B).
Xwmc177-2A{0348}. 22.04. WMC 177F/WMC 177R. (2A).
Xwmc190-2D{0242}. 47.42. WMC 190F/WMC 190R. (2D).
Xwmc198-2A{0242}. 26.4. WMC 198F/WMC 198R. (2A).
Xwmc213-2B{0348}. WMC 213F/WMC 213R. (2B).
Xwmc213f-2B 51.87. (2B).
Xwmc243-2B{0348}. 28.36. WMC 243F/WMC 243R. (2B,2D).
Xwmc245a-2D 46.09. (2D).
Xwmc257-2B{0348}. 31.49. WMC 258F/WMC 258R. (2B).
Xwmc296-2A 58.78. (2A).
Xwmc314-2B{0242}. WMC 314F/WMC 314R. (2B).
Xwmc344-2B 67.31. (2B).
Xwmc382a-2A 0.53. (2A).
Xwmc407-2A 0. (2A).
Xwmc453a-2D 33.4. (2D).
Xwmc453b-2A 53.3. (2A).
Xwmc470-2D 27.55. (2D).
Xwmc503-2D 22.77. (2D).
Xwmc522-2A 54.52. (2A).
Xwsu1-2B 63. (2A,2B,2B.1,2D,2D.2).
Xwsu1-2B.1 66.44. (2A,2B,2B.1,2D,2D.2).

Xwsu1-2D 35.88. (2A,2B,2B.1,2D,2D.2).
Xwsu1-2D.2 36.02. (2A,2B,2B.1,2D,2D.2).
Xwsu1(Dor6)-2A{1060}. [*Xbs128-2A*{1060}]. pBS128{453}. (2A,2A.1,2A.2,2B,2D).
Xwsu1(Dor6)-2A.1 28.28. (2A,2A.1,2A.2,2B,2D).
Xwsu1(Dor6)-2A.2 49.04. (2A,2A.1,2A.2,2B,2D).
Xwsu1(Dor6)-2B{1060}. [*Xbs128-2B*{1060}]. pBS128{453}. (2A,2A.1,2A.2,2B,2D).
Xwsu1(Dor6)-2D{1060}. [*Xbs128-2D*{1060}]. pBS128{453}. (2A,2A.1,2A.2,2B,2D).
Xwsu1a-2A 28.28. (2A).
Xwsu1b-2A 49.04. (2A).
Xwsu1.1(Dor6)-2B 66.44. (2B).
Xwsu1.2(Dor6)-2D 36.02. (2D).
Xycu1137-2A{9935}[3]. YCU1137. (2A).

5. Group 2L

M51/P65-2D.0 92.38. (1A.5,1B.3)(2D.0)(4A.6)(5B.4)(6B.1).
M60/P64-2A.6 74.91. (1A.8)(2A.6)(3B.11,3B.13,3B.5a)(4A.1,4A.10)(5A.4)(6A.2).
M62/P64-2A.3 62.5. (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7B.11,7B.2,7B.9,7D.6).
M77/P64-2A.7 107.43. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
M86/P65-2D.3 91.35. (2B.1,2D.3)(3B.4)(6B.5)(7B.0).
P31/M54-4-2D 121.26. (2D).
P32/M48-213-2A 74.27. (2A).
P33/M76-3-2A 86.25. (2A).
P35/M48-4-2D 53.42. (2D).
P35/M53-3-2D 112.12. (2D).
P36/M412-2A 93.91. (2A).
P38/M49-7-2D 112.12. (2D).
P40/M51-1-2D 112.12. (2D).
P41/M48-61-2D 112.12. (2D).
P41/M61-3-2D 112.12. (2D).
P42/M60-6-2D 125.01. (2D).
P78/M43-2A.8 105.18.
    (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
P78/M63-2A.2 62.5. (2A.2)(6B.1,6B.3a)(7B.4,7B.7).
P78/M69-2A.9 71.64. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B).
P78/M71-2A.7 105.18. (1A.5)(2A.7,2B.1)(6B.3)(7B.2).
P78/M87-2A.6 103. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
Xabc66-2A{0242}. BCD266{545}. (2A).
Xabc153-2A{282}[3]. ABC153{664}. (2A,2B.1,2B.2).
Xabc153-2B.1{1164}. [*Xcrc153-2B.1*{1164}]. ABC153{664}. (2A,2B.1,2B.2).
Xabc153-2B.2{1164}. [*Xcrc153-2B.2*{1164}]. ABC153{664}. (2A,2B.1,2B.2).
Xabc165-2D.2{0242}. [*Xabc165b-2D*{0242}]. ABC165. (2D.1,2D.2).
Xabc451-2A{0242},{282}[3]. [*Xabc451a-2B*{0242}]. ABC451{664}. (2A,2B)(6D).
    Mapping of the same 2A^m locus with ABC451, CDO588 and PSR102 was reported in {0242}.
Xabc451-2B{0242}. [*Xabc451a-2B*{0242}]. ABC451{664}. (2A,2B)(6D).
Xabg496-2A{282}[3]. ABG496{664}. (2A)(5A).
XAWM035a-2D 82.87. (2D).
XAWM35b-2A 85.27. (2A).
XAWM149-2D 56.07. (2D).
Xbarc11-2D 56.72. (2D).
Xbarc101-2B 87.51. (2B)(6B).
Xbarc128-2B 74.13. (2B).

Xbarc159-2D 121.31. (2D).
Xbarc219-2D 104.74. (2D).
Xbarc279-2A 111.19. (2A).
Xbarc353-2A.1 94.38. (2A.1,2A.2).
Xbarc353-2A.2 74. (2A.1,2A.2).
Xbcd18c-2A 105.48. (2A).
Xbcd111-2D{1060}. 54.77. BCD111{545}. (2D).
Xbcd120-2D{1060}. 53.8. BCD120{545}. (2D).
Xbcd135-2A{0354}. BCD135. (2A,2B,2D)(4A)(5D)(7A).
Xbcd135-2B{1060}. 103.43. BCD135{545}. (2A,2B,2D)(4A)(5D)(7A).
Xbcd135-2D{864}. BCD135{545}. (2A,2B,2D)(4A)(5D)(7A).
Xbcd260c-2B 79. (2B).
Xbcd265-2B{0242}. [*Xbcd265c-2B*{0242}]. BCD265. (1A,1B,1D)(2B)(4B,4D)(5A).
Xbcd266-2B{0164}. BCD266{545}. (2B,2D).
Xbcd266-2D{864}. BCD266{545}. (2B,2D).
Xbcd292-2A{1060}. BCD292{545}. (2A,2B,2D).
Xbcd292-2D{864}. BCD292{545}. (2A,2B,2D).
Xbcd292-2B{0242}. BCD292{545}. (2A,2B,2D).
Xbcd292a-2A 88.52. (2A).
Xbcd292b-2A 108.81. (2A).
Xbcd307-2B{1060}. BCD307{545}. (2B)(5B.1,5B.2).
Xbcd307a-2B 96.92. (2B).
Xbcd348b-2A 62.56. (2A).
Xbcd377-2A{0078}. BCD377. (2A).
Xbcd410-2A{1060}. [*Xbcd410d-2B*{0242}]. BCD410{545}. (2A,2A.1,2B,2D)(7D).
Xbcd410-2A.1 112.04. (2A,2A.1,2B,2D)(7D).
Xbcd410-2B{0242}. [*Xbcd410d-2B*{0242}]. BCD410{545}. (2A,2A.1,2B,2D)(7D).
Xbcd410-2D{1060}. [*Xbcd410d-2B*{0242}]. 110.98. BCD410{545}.
   (2A,2A.1,2B,2D)(7D).
Xbcd445-2B{1060}. BCD445{545}. (2B).
Xbcd445b-2B 77.92. (2B).
Xbcd453-2A{282}[3]. BCD453{028,545}. (2A,2B).
Xbcd453-2B{1181}. BCD453{028,545}. (2A,2B).
Xbcd512-2B{0242}. BCD512. (2B).
Xbcd543-2A{1060}. 69.25. BCD543{545}. (2A).
Xbcd1086a-2A 88.2. (2A).
Xbcd1095-2A{1060}. BCD1095{545}. (2A,2A.1,2B).
Xbcd1095-2A.1 84.19. (2A,2A.1,2B).
Xbcd1095-2B{1060}. BCD1095{545}. (2A,2A.1,2B).
Xbcd1095a-2B 102.71. (2B).
Xbcd1119-2B{1060}. 74.61. BCD1119{545}. (2B).
Xbcd1231-2A.1{864}. [*Xbcd1231-2A(1)*{864}]. BCD1231{545}. (2A.1,2A.2,2B,2D).
Xbcd1231-2A.2{864}. [*Xbcd1231-2A(2)*{864}]. BCD1231{545}. (2A.1,2A.2,2B,2D).
Xbcd1231-2B{1060}. 116.04. BCD1231{545}. (2A.1,2A.2,2B,2D).
Xbcd1231-2D{864}. BCD1231{545}. (2A.1,2A.2,2B,2D).
Xbcd1307b-2A 84.44. (2A).
Xbcd1428a-2A 112.44. (2A).
Xbcd1779-2B{1060}. 87.79. BCD1779{545}. (2B).
Xbcd1970b-2A 84.44. (2A,2D).
Xbg123-2A{282}[3]. BG123{664}. (2A,2D).
Xbg123-2D{9926}[4]. BG123{664}. (2A,2D).

Xcdc2(Sod3)-2A{0054}.   SOD3.1 & SOD3.2.   (2A,2B,2D).
Xcdc2(Sod3)-2B{0054}.   SOD3.1 & SOD3.2.   (2A,2B,2D).
Xcdc2(Sod3)-2D{0054}.   SOD3.1 & SOD3.2.   (2A,2B,2D).
Xcdo18-2D   126.48.   (2D).
Xcdo36-2B{1060}.   CDO36{545}.   (2B,2D).
Xcdo36-2D{1060}.   126.48.   CDO36{545}.   (2B,2D).
Xcdo36x-2B   110.87.   (2B).
Xcdo346-2A{0269}[2].   CDO346.   (1B,1B.2)(2A)(5D).
Xcdo365-2B{0269}[2].   CDO365.   (2B)(6B).
Xcdo370-2B{1060}.   79.   CDO370{545}.   (2B).
Xcdo388-2B{1060}[1].   CDO388{545}.
   (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2).
Xcdo388-2B.1   74.9.
   (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2).
Xcdo388-2D{9926}[4].   CDO388{545}.
   (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2).
Xcdo588-2B{282}[3].   CDO588{028}.   (2B).   Mapping of the same 2A^m locus with CDO588,
   ABC451 and PSR102 was reported in {282}.
Xcdo669-2B{0242}.   [*Xcdo669a-2B*{0242}].   CDO669.   (2B)(4A,4B,4D)(7A).
Xcdo678-2A{1060}.   CDO678{545}.   (2A,2A.1,2B).
Xcdo678-2A.1   105.25.   (2A,2A.1,2B).
Xcdo678-2B{1060}.   CDO678{545}.   (2A,2A.1,2B).
Xcdo678a-2B   101.3.   (2B).
Xcdo678b-2B   121.6.   (2B).
Xcdo684-2B{1060}.   88.91.   CDO684{545}.   (2B).
Xcdo1008-2D{1060}.   90.84.   CDO1008{545}.   (2D).
Xcdo1410-2A{1060}.   93.11.   CDO1410{545}.   (2A).
Xcdo1417-2B{9959}[2].   CDO1417{545}.   (2B).
Xcfa2043a-2A   71.48.   (2A).
Xcfa2058-2A   76.04.   (2A).
Xcfa2086-2A   133.41.   (2A).
Xcfa2099a-2A   69.38.   (2A).
Xcfa2121b-2A   82.1.   (2A).
Xcfa2164a-2A   61.   (2A).
Xcfa2263-2A   61.   (2A).
Xcfd44-2D{0349}.   90.23.   CFD 44F/CFD 44R.   (2D).
Xcfd50-2D{0349}.   118.18.   CFD 50F/CFD 50R.   (2D).
Xcfd62a-2D   74.12.   (2D).
Xcfd73b-2D   73.77.   (2D).
Xcfd161-2D   100.05.   (2D).
Xcfd168b-2D   75.44.   (2D).
Xcfd233-2D   76.46.   (2D).
Xcfd239-2D   101.4.   (2D).
Xcfd267b-2B   104.57.   (2B).
Xcfd270-2D   75.16.   (2D).
XChs-2A.2{282}[3].   [*XChs1-2A.2*{282}].   pcCHS11{1237}.   (1A)(2A.1,2A.2,2A.3,2B,2D).
XChs-2A.3{282}[3].   [*XChs1-2A.3*{282}].   pcCHS11{1237}.   (1A)(2A.1,2A.2,2A.3,2B,2D).
XChs-2B{0242}.   pcCHS11{1237}.   (1A)(2A.1,2A.2,2A.3,2B,2D).
XChs-2D{0242}.   [*XChs1-2D*{282}].   pcCS11{1237}.   (1A)(2A.1,2A.2,2A.3,2B,2D).
Xcmwg649-2A{282}[3].   [*Xmwg649-2A*{282}].   cMWG649{467}.   (1B)(2A).
Xcmwg660-2B{1060}.   125.73.   cMWG660 {467}.   (2B).

Xcmwg682b-2A 71.48. (2A,2D).
Xcmwg720-2A{282}[3],{9926}[4]. [*Xmwg720-2A*{282}]. cMWG720{467}. (2A).
Xcn16b-2B 78.34. (2B)(7D).
Xcnl6-2B{0059},{0060}. AG24F/AG24R. (2B)(7D).
Xcnl6b-2B 78.34. (2B)(5A)(7D).
Xcr872{Psb0}-2A{410}. p33K-2{981}. (2A,2B,2D).
Xcr872{Psb0}-2B{410}. p33K-2{981}. (2A,2B,2D).
Xcr872{Psb0}-2D{410}. p33K-2{981}. (2A,2B,2D).
Xcrc4-2B{1164}. [*Xcrc4.2*{1164}]. CRC4F/CRC4R. (2B).
Xcsih93-2D{757}[4]. [*XcsIH93-2*{757}]. csIH93-2{757}. (2D).
Xfba8-2A{1060}. 122.06. FBA008. (1D)(2A)(3B)(4B)(6A)(7D).
Xfba61-2A{154}. [*Xfba61a-2A*{154}]. FBA061. (2A,2B,2D).
Xfba61-2B{1060}. [*Xfba61a-2A*{154}]. FBA061. (2A,2B,2D).
Xfba61-2D{1060}. [*Xfba61a-2A*{154}]. FBA061. (2A,2B,2D).
Xfba61a-2A 79.43. (2A,2D).
Xfba61a-2D 80.54. (2A,2D).
Xfba61b-2B 85.56. (2B,2D).
Xfba61b-2D 102.5. (2B,2D).
Xfba61 b-2D 102.5. (2D).
Xfba62-2A{154}. [*Xfba62a-2A*{154}]. FBA062. (2A,2B,2B.2,2D).
Xfba62-2B{1060}. [*Xfba62-2B.2*{1060}]. FBA062. (2A,2B,2B.2,2D).
Xfba62-2B.2 85.62. (2A,2B,2B.2,2D).
Xfba62-2D{1060}. FBA062. (2A,2B,2B.2,2D).
Xfba62a-2A 79.43. (2A,2D).
Xfba62a-2D 80.54. (2A,2D).
Xfba62b-2D 103.31. (2D).
Xfba64-2A{154}. [*Xfba64a-2A*{154}]. FBA064. (2A,2B,2B.1,2D).
Xfba64-2B{154}. [*Xfba209a-2B*{154}]. FBA064. (2A,2B,2B.1,2D).
Xfba64-2B.1{154}. [*Xfba209a-2B*{154}]. FBA064. (2A,2B,2B.1,2D).
Xfba64-2D{1060}. FBA064. (2A,2B,2B.1,2D).
Xfba64a-2A 79.43. (2A,2D).
Xfba64a-2D 80.61. (2A,2D).
Xfba64b-2B 74.47. (2B,2D).
Xfba64b-2D 103.31. (2B,2D).
Xfba64 b-2D 103.31. (2D).
Xfba71-2A{154}. [*Xfba71b-2A*{154}]. FBA071. (2A)(7A).
Xfba71b-2A 61. (2A).
Xfba74-2D{1060}. FBA074. (2D).
Xfba74a-2D 51.66. (2D).
Xfba74b-2D 79.19. (2D).
Xfba102-2D{1060}. FBA102. (2D).
Xfba102a-2B 104.01. (2B).
Xfba111-2D{1060}. FBA111. (2D)(6A,6B,6D).
Xfba111a-2D 80.2. (2D)(6B).
Xfba111b-2D 103.31. (2D)(6A).
Xfba111 b-2D 103.31. (2D).
Xfba116-2B{1060}. FBA116. (2B,2D).
Xfba116-2D{1060}. FBA116. (2B,2D).
Xfba116a-2B 104.01. (2B,2D).
Xfba116a-2D 90.11. (2B,2D).
Xfba116b-2D 124.03. (2D).

Xfba116 b-2D 124.03. (2D).
Xfba117-2B 101.09. (2B).
Xfba199-2B{1060}. 76.74. FBA199. (2B).
Xfba209-2A{154}. [*Xfba209b-2A*{154}]. FBA209. (2A,2B.1,2B.2,2D.1,2D.2)(5D).
Xfba209-2B.1{154}. [*Xfba209a-2B*{154}, *Xfba209a-2B*{154}, *Xfba209c-2B*{154}]. FBA209.
    (2A,2B.1,2B.2,2D.1,2D.2)(5D).
Xfba209-2B.2{154}. [*Xfba209c-2B*{154}]. FBA209. (2A,2B.1,2B.2,2D.1,2D.2)(5D).
Xfba209-2D.1{1060}. FBA209. (2A,2B.1,2B.2,2D.1,2D.2)(5D).
Xfba209-2D.2{1060}. FBA209. (2A,2B.1,2B.2,2D.1,2D.2)(5D).
Xfba209a-2B 94.42. (2B,2D).
Xfba209a-2D 87.88. (2B,2D).
Xfba209b-2A 117.77. (2A,2D).
Xfba209b-2D 143. (2A,2D).
Xfba276-2A{1060},{1057}. [*Xfbb276-2A*{1060}]. FBA276. (2A,2A.1,2B).
Xfba276-2A.1 74.34. (2A,2A.1,2B).
Xfba276-2B{1060}. [*Xfbb276-2A*{1060}]. FBA276. (2A,2A.1,2B).
Xfba276b-2B 101.09. (2B).
Xfba310-2B{1060}. FBA310. (2B,2B.1)(3B,3B.2,3D).
Xfba310-2B.1 110.6. (2B,2B.1)(3B,3B.2,3D).
Xfba311-2D{1060}. FBA311. (2D)(3B)(7B).
Xfba311a-2D 97.13. (2D)(7A,7B).
Xfba311b-2D 130.55. (1A)(2D)(7B).
Xfba314-2A{1060}. [*Xfba314a-2b*{154}]. FBA314. (2A,2A.1,2B,2D,2D.2).
Xfba314-2A.1 128. (2A,2A.1,2B,2D,2D.2).
Xfba314-2B{154}. [*Xfba314a-2b*{154}]. FBA314. (2A,2A.1,2B,2D,2D.2).
Xfba314-2D{1060}. [*Xfba314a-2b*{154}]. FBA314. (2A,2A.1,2B,2D,2D.2).
Xfba314-2D.2 118.87. (2A,2A.1,2B,2D,2D.2).
Xfba314a-2B 110.46. (2B).
Xfba314y-2A 96.06. (2A).
Xfba341-2D.2{1060}. FBA341. (2D.1,2D.2).
Xfba341a-2D 55.34. (2D).
Xfba341b-2D 80.54. (2D).
Xfba341c-2D 102.5. (2D).
Xfba345-2A{154}. [*Xfba345b-2A*{154}]. FBA345. (2A,2B,2B.2)(6B).
Xfba345-2B{1060}. [*Xfba345b-2A*{154}]. FBA345. (2A,2B,2B.2)(6B).
Xfba345-2B.2 85.86. (2A,2B,2B.2)(6B).
Xfba345b-2A 80.73. (2A)(6B).
Xfba359-2B{1060}. FBA359. (2B,2B.1)(4A)(5A)(6B).
Xfba359-2B.1 99.41. (2B,2B.1)(4A)(5A)(6B).
Xfba359b-2B 122.73. (2B).
Xfba385-2A{1060}. FBA385. (2A,2B).
Xfba385-2B{1060}. FBA385. (2A,2B).
Xfba385a-2A 98.28. (2A,2B).
Xfba385a-2B 102.61. (2A,2B).
Xfba385b-2A 117.88. (2A,2B).
Xfba385b-2B 124.39. (2A,2B).
Xfbb4-2B{1060}. 76.93. FBB004. (2B).
Xfbb9-2D{1060}. FBB009. (2D).
Xfbb9a-2D 88.41. (2D).
Xfbb9b-2D 124.03. (2D)(7A,7B).
Xfbb32-2D{1060}. FBB032. (2D).

Xfbb32a-2D 81.57. (2D).
Xfbb32b-2D 103.31. (2D).
Xfbb68-2D{1060}. FBB068. (2D).
Xfbb68a-2D 84.51. (2D).
Xfbb68b-2D 116.53. (2D).
Xfbb72-2D{1060}. FBB072. (2A,2A.2,2D).
Xfbb72a-2D 99.37. (2D).
Xfbb72b-2D 125.01. (2D).
Xfbb75-2B.2{154}. [*Xfbb75a-2B*{154}]. FBB075. (2B.1,2B.2).
Xfbb75b-2B 113.09. (2B).
Xfbb99-2D{1060}. 65.5. FBB099. (2D).
Xfbb113-2B{1060}. FBB113. (2B).
Xfbb113a-2B 92.9. (2B).
Xfbb113b-2B 128.78. (2B).
Xfbb122-2D{1060}. *FBB122*. (2D).
Xfbb122a-2D 80.88. (2D).
Xfbb122 b-2D 103.31. (2D).
Xfbb164b-2D 77.29. (2D).
Xfbb226b-2B 112.01. (2A,2B).
Xfbb251a-2D 97.18. (2D)(4D).
Xfbb251b-2D{1060}. 132.19. (1B)(2D)(4D).
Xfbb278-2B{154}. [*Xfbb278a-2B*{154}]. FBB278. (2B)(3D.1)(4A)(7A).
Xfbb278a-2B 116.2. (2B).
Xfbb278c-2A 63.68. (2A).
Xfbb284a-2A{1060}. 79.02. FBB284. (2A,2B,2D).
Xfbb284a-2B{1060}. 85.09. FBB284. (2A,2B,2D).
Xfbb284a-2D{1060}. 81.22. FBB284. (2A,2B,2D).
Xfbb284b-2B 111.49. (2B,2D).
Xfbb284b-2D 102.5. (2B,2D).
Xfbb324-2B{154}. [*Xfbb324a-2B*{154}]. FBB324. (2B)(3D)(7B).
Xfbb324a-2B 86.92. (2B).
Xfbb335-2B{1060}. 76.68. FBB335. (2B).
Xfbb353-2A{1060}. 76.49. FBB353. (2A,2A.2,2B)(3A,3A.1). The arm location of
    Xfbb353-2A was not reported in {1060}.
Xfbb353b-2A 73.57. (2A).
Xfbb377-2D{1060}. FBB377. (2D)(6B).
Xfbb377a-2D 89.08. (2D).
Xfbb377b-2D 110.98. (2D).
Xgbx3110-2A{0354}. [*Xgbx3110a-2A*{0354}, *Xgbx3110b*-2A{0354}]. gbx3110.
    (2A)(7A,7B).
Xgbx3832-2D{9958}. [*Xgbx3832a-2D*{9958}]. gbx3832. (2A,2D)(4A)(5A).
Xgbx3832a-2D 92.39. (2D).
XgbxG87-2B{9958}. [*XgbxG087-2B*{9958}]. 104.01. gbxG087. (2B).
XgbxG145-2D{9958}. 52.26. gbxG145. (2D).
XgbxG214-2A{9958}. 78.93. gbxG214. (2A).
XgbxG303-2A{9958}. 100. gbxG303. (2A).
XgbxG329-2B{9958}. 86.34. gbxG329. (2B).
XgbxG553-2B{9958}. 79. gbxG553. (2B).
XgbxG575-2D{9958}. [*XgbxG575b-2D*{9958}]. gbxG575. (2D)(7A).
XgbxG575b-2D 78.04. (2D).
Xgdm6-2D{0173}. DMS F6/DMS R6. (2D).

Xgdm87-2B{0173}. DMS F87/DMS R87. (2B,2D).

Xgdm87-2D{0173}. DMS F87/DMS R87. (2B,2D).

Xgdm93-2A{0173}. DMS F93/DMS R93. (2A,2D)(4B).

Xgdm93-2D{0173}. DMS F93/DMS R93. (2A,2D)(4B).

Xgdm93b-2B 119.4. (2B).

Xgdm114-2B{0173}. DMS F114/DMS R114. (2B).

XGer-2A{281}[3]. pWJHGermin{575}. (2A)(4A).

Xglk76-2A{822}. [*Xglk76a-2A*{822}]. pTag76. (2A,2B). The arm location of *Xglk76-2A* was not reported in {822}.

Xglk76-2B{822,0049}. [*Xglk76b-2B*{822,0049}, *Xglk76a*{822}]. pTag76. (2A,2B). The arm location of *Xglk76-2B* was not reported in {822}.

Xglk331-2B{822,0049}. pTag331. (2B)(4A). The arm location of *Xglk331-2B* was not reported in {822}.

Xglk370-2B{822,0049}. pTag370. (2B,2D)(4A). The arm location of *Xglk370-2B* was not reported in {822} and {1034}.

Xglk370-2D{1034}. pTag370. (2B,2D)(4A). The arm location of *Xglk370-2D* was not reported in {822} and {1034}.

Xglk529-2B{822,0049}. [*Xglk529a-2B*{822,0049}]. pTag529. (2B,2D). The arm location of *Xglk529-2B,D* was not reported in {822}.

Xglk529-2D{822}. [*Xglk529b-2D*{822}]. pTag529. (2B,2D). The arm location of *Xglk529-2B* was not reported in {822}.

Xglk539-2B{822,0049}. pTag539. (2B). The arm location of *Xglk539-2B* was not reported in {822}.

Xglk554-2A{822,154}[1]. [*Xglk554a-2A*{822}]. 64.54. pTag554. (2A,2B,2D)(3B)(5B). The arm location of *Xglk554-2A* was not reported in {822}.

Xglk554-2B{822}. [*Xglk554c-2B*{822,0049}]. pTag554. (2A,2B,2D)(3B)(5B). The arm location of *Xglk554-2B* was not reported in {822}.

Xglk554-2D{9926}[4]. pTag554. (2A,2B,2D)(3B)(5B).

Xglk558-2B{1060}. pTag558{822}. (1B,1D)(2B,2D)(3D)(5D)(6D)(7D).

Xglk558-2D{1060}. 114.73. pTag558{822}. (1B,1D)(2B,2D)(3D)(5D)(6D)(7D).

Xglk558b-2B 107.9. (2B).

Xglk592-2B{822,0049}. pTag592. (2B). The arm location of *Xglk592-2B* was not reported in {822}.

Xglk594-2A{154}. [*Xglk594a-2A*{154}]. pTag594. (2A,2B).

Xglk594-2B{822}{154}. [*Xglk594b-2B*{154}]. pTag594. (2A,2B). The arm location of *Xglk594-2B* was not reported in {822}.

Xglk594a-2A 93.01. (2A).

Xglk594b-2B 82.6. (2B).

Xglk600-2A{822}. [*Xglk600a-2A*{822}]. pTag600. (2A,2B)(4A). The arm location of *Xglk600-2A* was not reported in {822}.

Xglk600-2B{822,0049}. [*Xglk600b-2B*{822,0049}]. pTag600. (2A,2B)(4A). The arm location of *Xglkj600-2B* was not reported in {822}.

Xglk605-2B{822,0049}. pTag605. (2B). The arm location of *Xglk605-2B* was not reported in {822}.

Xglk609-2B{822,0049}. [*Xglk609b-2B*{822,0049}]. pTag609. (2B,2D)(3A). The arm location of *Xglk609-2B* was not reported in {822}.

Xglk609-2D{822}. [*Xglk609a-2D*{822}]. pTag609. (2B,2D)(3A). The arm location of *Xglk609-2D* was not reported in {822}.

Xglk618-2B{822,0049}. pTag618. (2B). The arm location of *Xglk618-2B* was not reported in {822}.

Xglk632-2A{822}. [*Xglk632a-2A*{822}]. pTag632. (2A,2B,2D). The arm location of *Xglk632-2A* was not reported in {822}.

Xglk632-2B{822,0049}. [*Xglk632b-2B*{822,0049}]. pTag632. (2A,2B,2D). The arm location of *Xglk632-2B* was not reported in {822}.

Xglk632-2D{0031}. pTag632. (2A,2B,2D).

Xglk653-2A{822}. [*Xglk653a-2A*{822}]. pTag653. (2A,2B,2D). The arm location of *Xglk653-2A* was not reported in {822} and {1034}.

Xglk653-2B{822,0049}. [*Xglk653b-2B*{822,0049}]. pTag653. (2A,2B,2D). The arm location of *Xglk653-2B* was not reported in {822}.

Xglk653-2D{1034}. pTag653. (2A,2B,2D). The arm location of *Xglk653-2D* was not reported in {1034}.

Xglk664-2A{822}. [*Xglk664a-2A*{822}]. pTag664. (2A,2B,2D). The arm location of *Xglk664-2A* was not reported in {822}.

Xglk664-2B{822,0049}. [*Xglk664b-2B*{822,0049}]. pTag664. (2A,2B,2D). The arm location of *Xglk664-2B* was not reported in {822}.

Xglk664-2D{0031}. pTag664. (2A,2B,2D).

Xglk699-2B{822,0049}. [*Xgk699b-2A*{0031}]. pTag699. (2B). The arm location of *Xglk699-2B* was not reported in {822}.

Xglk740-2A{822}. [*Xglk740b-2A*{822}]. pTag740. (2A,2B). The arm location of *Xglk740-2A* was not reported in {822}.

Xglk740-2B{822,0049}. [*Xglk740a-2B*{822,0049}]. pTag740. (2A,2B). The arm location of *Xglk740-2B* was not reported in {822}.

Xglkp605-2B{1580}. AWP1-U,AWP2-U,AWP3-U,AWP1-L,AWP2-L,AWP3-L. (2B).

Xgm47-2A.2{9929}. [*Xgwm47.1-2A*, *Xgwm47.2-2A*{9929}]. WMS 47F/WMS 47R. (2A.2).

Xgpw300-2D 107.39. (2D).

Xgpw308-2D 104.78. (2D).

Xgpw313a-2D 105.83. (2D).

Xgpw338-2D 106.7. (2D).

Xgpw354-2D 107.61. (2D).

Xgpw1184-2D 77.29. (2D).

Xgpw1247-2D 77.29. (2D).

Xgpw2046b-2A 95.18. (2A).

Xgpw2206-2A 76.48. (2A).

Xgpw2229-2A 87.21. (2A).

Xgpw2272-2A 62. (2A).

Xgpw2281-2A 87.47. (2A).

Xgpw2321-2D 103.09. (2D).

Xgsy333-2A 61.91. (2A).

Xgwm10-2B{1226}. WMS 10F/WMS 10R. (2A,2B)(3A).

Xgwm16-2B{1225}. 97.01. WMS 16F/WMS 16R. (2B).

Xgwm30-2D{1226}. WMS 30F/WMS 30R. (1A)(2D,2D.1)(3A,3A.2)(4A.2).

Xgwm30-2D.1 60.61. (1A)(2D,2D.1)(3A,3A.2)(4A.2).

Xgwm47-2A.1{9929}. [*Xgwm47.1-2A*, *Xgwm47.2-2A*{9929}]. 100. WMS 47F/WMS 47R. (2A.1,2A.2,2B).

Xgwm47-2A.2 78.42. (2A.1,2A.2,2B).

Xgwm47-2B 100. (2A.1,2A.2,2B).

Xgwm47b-2A 82.64. (2A).

Xgwm55b-2B 80.6. (2B)(6D).

Xgwm82-2A{0354}. WMS 82F/WMS 82R. (2A)(6A).

Xgwm88-2B{0171}. [*Xgwm88b-2B*{0171}]. WMS F88/WMS R88. (2B)(6B).

Xgwm120-2B{724}. 89.18. WMS 120F/WMS 120R. (2B).

Xgwm129-2B{1225}. 77.24. WMS 129F/WMS 129R. (2B)(4D)(5A).
Xgwm130-2B 98.4. (2B)(7A,7B,7D).
Xgwm157-2D{724}. 59.47. WMS 157F/WMS 157R. (2D).
Xgwm189-2B{724}. WMS 189F/WMS 189R. (2B).
Xgwm191-2B{1225}. 89.93. WMS 191F/WMS 191R. (2B)(5B,5B.1)(6B,6B.1).
Xgwm265-2A{1225}. 100. WMS 265F/WMS 265R. (2A)(4A).
Xgwm294-2A{724}. WMS 294F/WMS 294R. (2A).
Xgwm294b-2A 79.72. (2A).
Xgwm301-2D{1225}. WMS 301F/WMS 310R. (2D).
Xgwm301a-2D 106.81. (2D).
Xgwm301b-2D 116.68. (2D).
Xgwm304-2A.2 63.25. (2A.2)(5A).
Xgwm311-2A{9929}. WMS F311/WMS R311. (2A,2A.1,2D,2D.1).
Xgwm311-2A.1 115.77. (2A,2A.1,2D,2D.1).
Xgwm311-2D{9929}. WMS F311/WMS R311. (2A,2A.1,2D,2D.1).
Xgwm311-2D.1 109.07. (2A,2A.1,2D,2D.1).
Xgwm312-2A{1225}. 79.26. WMS 312F/WMS 312R. (2A).
Xgwm319-2B{1225}. 74.63. WMS 319F/WMS 319R. (2B).
Xgwm320-2D{9929}. 112.66. WMS F320/WMS R320. (2D).
Xgwm328-2A{1225}. WMS 328F/WMS 328R. (2A).
Xgwm328b-2A 64.1. (2A).
Xgwm349-2D{1225}. WMS 349F/WMS 349R. (2D).
Xgwm349a-2D 104.03. (2D).
Xgwm349b-2D 117.41. (2D).
Xgwm356-2A{1225}. 95.57. WMS 356F/WMS 356R. (2A)(6A).
Xgwm372b-2A 63.92. (2A).
Xgwm372c-2A 80.45. (2A).
Xgwm374-2B{1225}. 74.17. WMS 374F/WMS 374R. (2B)(3A).
Xgwm382-2A{1225}. WMS 382F/WMS 382R. (2A,2A.1,2B,2D).
Xgwm382-2A.1 117.47. (2A,2A.1,2B,2D).
Xgwm382-2B{9929}. WMS 382F/WMS 382R. (2A,2A.1,2B,2D).
Xgwm382-2D{1225}. 110. WMS 382F/WMS 382R. (2A,2A.1,2B,2D).
Xgwm382a-2B 114.31. (2B).
Xgwm388-2B{1225}. WMS 388F/WMS 388R. (2B).
Xgwm388b-2B 82.46. (2B).
Xgwm445-2A{1225}. 71.28. WMS 445F/WMS 445R. (2A).
Xgwm473-2A{9929}. 62.45. WMS F473/WMS R473. (2A).
Xgwm501-2B{1225}. 98.72. WMS 501F/WMS 501R. (2B).
Xgwm526-2A{0253}. [*Xgwm526-2A.2*{0253}]. WMS F526/WMS R526.
   (2A,2A.1,2B)(7A,7B).
Xgwm526-2A.1 100. (2A,2A.1,2B)(7A,7B).
Xgwm526-2B{1225}. 98.58. WMS 526F/WMS 526R. (2A,2A.1,2B)(7A,7B).
Xgwm539-2D{1225}. 71.23. WMS 539F/WMS 539R. (2D).
Xgwm558-2A{1225}. 62. WMS 558F/WMS 558R. (1A)(2A).
Xgwm608-2D{1225}. WMS 608F/WMS 608R. (2D,2D.3)(4D).
Xgwm608-2D.3 84.47. (2D,2D.3)(4D).
Xgwm619-2B{1225}. 117.88. WMS 619F/WMS 619R. (2B).
Xgwm790-2D.3 80.74. (2D.3)(5B.1).
Xgwm877-2B.1 92.16. (2B.1,2D.2).
Xgwm877-2D.2 97.45. (2B.1,2D.2).

XHak1-2A{9932}. [*XHvHAK1-2A*{9932}]. HvHAK1{9932}. (2A,2D)(3A,3D)(4A,4B,4D)(6A,6B,6D).

XHak1-2D{9932}. [*XHvHAK1-2D*{9932}]. HvHAK1{9932}. (2A,2D)(3A,3D)(4A,4B,4D)(6A,6B,6D).

Xisc14(Cor)-2A{0246}[3]. [*Cor14b*{0246}]. COR14b. (2A).

Xksu558-2D 98.74. (2D).

Xksu558b-2B 120.08. (2B).

Xksu905(Wip)-2A{0091}. [*Wip-2A*{0091}]. 5C05B11{0094}. (2A).

Xksu908(Cbp1)-2B{0091}. [*Cbp1-2B*{0091}]. RRI 10{0095}. (2B)(6B).

Xksu909(Chi1)-2B{0091}. [*Cht1a-2B*{0091}]. Chi-G11{0096}. (2B)(3A).

Xksu910(Tha1)-2D{0091}. [*Tha1-2D*{0091}]. CR5{0097}. (2D)(4A)(6B)(7A,7B,7D).

Xksu931(Chi4)-2D{0266}[4]. [*Xksu931(Cht4)*{0266}]. SM383. (2D).

Xksu932(Chi7)-2D{0266}[4]. [*Xksu932(Cht7)*{0266}]. SM194. (2D).

XksuA1-2D{0242}. [*XksuA1b-2D*{0242}]. pTtksuA1. (1B)(2D)(3B)(5B)(7D).

XksuA1B-2D 54.38. (2D).

XksuD8-2A{232}. pTtksuD8{448}. (2A,2B,2D).

XksuD8-2B{232}. pTtksuD8{448}. (2A,2B,2D).

XksuD22-2A{1060}[1]. 87.08. pTtksuD22{448}. (2A,2B,2D).

XksuD22-2B{154}. 73.96. pTtksuD22{448}. (2A,2B,2D).

XksuD22-2D{448}[1,4]. pTtksuD22{448}. (2A,2B,2D). The arm location of *XksuD22-2D* in *Ae. tauschii* was not reported in {448}.

XksuD23-2A.1{282}[3]. pTtksuD23{448}. (2A.1,2A.2,2B,2B.1,2D).

XksuD23-2A.2{282}[3]. pTtksuD23{448}. (2A.1,2A.2,2B,2B.1,2D).

XksuD23-2B{1060}[1]. pTtksuD23{448}. (2A.1,2A.2,2B,2B.1,2D).

XksuD23-2B.1 109. (2A.1,2A.2,2B,2B.1,2D).

XksuD23-2D{448,1060}. 116.53. pTtksuD23. (2A.1,2A.2,2B,2B.1,2D).

Xksud23a-2D 95.77. (2D).

XksuD23b-2A 98.69. (2A).

XksuE3-2A{282}[3]. [*XksuE3c-2B*{154}]. pTtksuE3{448}. (1A)(2A,2B,2D)(3A,3B)(4A)(6A,6D)(7A,7D,7D.4).

XksuE3-2B{154}[1]. [*XksuE3c-2B*{154}]. pTtksuE3{448}. (1A)(2A,2B,2D)(3A,3B)(4A)(6A,6D)(7A,7D,7D.4).

XksuE16-2A{1060}[1]. 84.44. pTtksuE16{448}. (2A,2B,2D).

XksuE16-2B{232}[1]. pTtksuE16{448}. (2A,2B,2D).

XksuE16-2D{448}[4],{232}[1]. pTtksuE16{448}. (2A,2B,2D). The arm location of *XksuE16-2D* in *Ae. tauschii* was not reported in {448}.

XksuF1-2A{282}[3]. pTtksuF1{448}. (2A,2B).

XksuF1-2B{154}. [*XksuF1b-2b*{154}]. pTtksuF1{448}. (2A,2B).

XksuF1a-2A 107.95. (2A).

XksuF1b-2B 103.69. (2B).

XksuF2-2A{232}[1]. pTtksuF2{448}. (2A,2D,2D.1,2D.2,2D.3,2D.4)(7B,7D.1,7D.2,7D.3,7D.4,7D.5).

XksuF2-2D{232}[1]. pTtksuF2{448}. (2A,2D,2D.1,2D.2,2D.3,2D.4)(7B,7D.1,7D.2,7D.3,7D.4,7D.5). The arm locations of the *XksuF2-2D* loci in *Ae. tauschii* were not reported in {448}.

XksuF2-2D.1{448}[4]. [*XksuF2(A)-2D*{448}]. pTtksuF2{448}. (2A,2D,2D.1,2D.2,2D.3,2D.4)(7B,7D.1,7D.2,7D.3,7D.4,7D.5). The arm locations of the *XksuF2-2D* loci in *Ae. tauschii* were not reported in {448}.

XksuF2-2D.2{448}[4]. [*XksuF2(B)-2D*{448}]. pTtksuF2{448}. (2A,2D,2D.1,2D.2,2D.3,2D.4)(7B,7D.1,7D.2,7D.3,7D.4,7D.5). The arm locations of the *XksuF2-2D* loci in *Ae. tauschii* were not reported in {448}.

XksuF2-2D.3{448}[4]. [*XksuF2(D)-2D*{448}]. pTtksuF2{448}.
(2A,2D,2D.1,2D.2,2D.3,2D.4)(7B,7D.1,7D.2,7D.3,7D.4,7D.5). The arm locations of the
XksuF2-2D loci in *Ae. tauschii* were not reported in {448}.

XksuF2-2D.4{448}[4]. [*XksuF2(E)-2D*{448}]. pTtksuF2{448}.
(2A,2D,2D.1,2D.2,2D.3,2D.4)(7B,7D.1,7D.2,7D.3,7D.4,7D.5). The arm locations of the
XksuF2-2D loci in *Ae. tauschii* were not reported in {448}.

XksuF11-2A{1060}. pTtksuF11{448}. (2A,2B,2D).

XksuF11a-2A 98.03. (2A,2B).

XksuF11b-2A 120.66. (2A,2B).

XksuF11b-2B 113.09. (2A,2B).

XksuF15-2A{232}[1]. pTtksuF15{448}. (2A,2B,2D).

XksuF15-2B{232}[1]. 87.69. pTtksuF15{448}. (2A,2B,2D).

XksuF15-2D{448}[4],{864}[1]. pTtksuF15{448}. (2A,2B,2D). The arm location of *XksuF15-
2D* in *Ae. tauschii* was not reported in {448}.

XksuF37-2B{0242}. 77.6. pTtksuF37. (2B)(6A,6B,6D).

XksuF41-2A{410}[1]. 102.97. pTtksuF41{448}. (2A,2A.1,2A.2,2B,2D).

XksuF41-2A.1{0078}. pTtksuF41. (2A,2A.1,2A.2,2B,2D).

XksuF41-2A.2{0078}. pTtksuF41. (2A,2A.1,2A.2,2B,2D).

XksuF41-2B{410}[1]. 104.48. pTtksuF41{448}. (2A,2A.1,2A.2,2B,2D).

XksuF41-2D{410}[1],{448}[1,4]. pTtksuF41{448}. (2A,2A.1,2A.2,2B,2D). The arm location of
XksuF41-2D in *Ae. tauschii* was not reported in {448}.

XksuF43-2D{232}. pTtksuF43{448}. (1A,1B.1,1B.2,1D)(2D)(4D.1,4D.2)(5D.1,5D.2)(6D).

XksuG5-2A{1060}[1]. pTtksuG5{448}. (2A,2B,2D).

XksuG5-2B{232}[1]. pTtksuG5{448}. (2A,2B,2D).

XksuG5-2D{448}[1,4],{232}[1]. pTtksuG5{448}. (2A,2B,2D). The arm location of *XksuG5-2D*
in *Ae. tauschii* was not reported in {448}.

XksuG5b-2A 76.89. (2A).

XksuG5c-2A 99.21. (2A).

XksuG30-2D{448}[4],{232}[1]. pTtksuG30{448}. (1A)(2D)(3B)(4A)(5A)(6A,6B). The arm
location of *XksuG30-2D* in *Ae. tauschii* was not reported in {448}.

XksuH9-2D 113.43. (1A,1A.2,1B,1D)(2A,2D,2D.1,2D.2,2D.3)(4A)(5A)(7A).

XksuH9-2D.1{448}[4], {1061}[1]. [*XksuH9(A)*{448}]. pTtksuH9{448}.
(1A,1A.2,1B,1D)(2A,2D,2D.1,2D.2,2D.3)(4A)(5A)(7A).

XksuH9-2D.2{448}[4], {1061}[1]. [*XksuH9(B)*{448}]. pTtksuH9{448}.
(1A,1A.2,1B,1D)(2A,2D,2D.1,2D.2,2D.3)(4A)(5A)(7A).

XksuH9-2D.3{448}[4], {1061}[1]. [*XksuH9(C)-2D*{448}]. pTtksuH9{448}.
(1A,1A.2,1B,1D)(2A,2D,2D.1,2D.2,2D.3)(4A)(5A)(7A). The arm location of *XksuH9-2D* in
Ae. tauschii was not reported in {448}.

XksuH16-2A{410}[1]. 111.75. pTtksuH16{448}. (2A,2D).

XksuH16-2D{448}[4], {232}[1]. 121.26. pTtksuH16{448}. (2A,2D). The arm location of
XksuH16-2D in *Ae. tauschii* was not reported in {448}.

XksuI24-2A{232}[1]. pTtksuI24{448}. (2A,2B,2D,2D.1,2D.2).

XksuI24-2B{232}[1]. pTtksuI24{448}. (2A,2B,2D,2D.1,2D.2).

XksuI24-2D{232}[1]. pTtksuI24{448}. (2A,2B,2D,2D.1,2D.2). The arm location of *XksuI24-
2D* in *Ae. tauschii* was not reported in {448}.

XksuI24-2D.1{448}[4]. [*XksuI24(A)-2D*{448}]. pTtksuI24{448}. (2A,2B,2D,2D.1,2D.2).
The arm location of *XksuI24-2D* in *T. tauschii* was not reported in {448}.

XksuI24-2D.2{448}[4]. [*XksuI24(B)-2D*{448}]. pTtksuI24{448}. (2A,2B,2D,2D.1,2D.2).
The arm location of *XksuI24-2D* in *T. tauschii* was not reported in {448}.

Xku558a-2D 98.74. (2D).

Xkvl906(Cbp2)-2A{0091}. [*Cbp2-2A*{0091}]. pBH72-B8{0092}. (2A)(7B).

XM51P65-2D.0 92.38. (1A.5,1B.3)(2D.0)(4A.6)(5B.4)(6B.1)(7A.7).
XM60P64-2A.6 74.91. (1A.8)(2A.6)(3B.11,3B.13)(4A.1,4A.10)(5A.4)(6A.2).
XM62P64-2A.3 62.5. (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7A.8,7B.11,7B.2,7B.9,7D.6).
XM77P64-2A.7 107.43. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
XM86P65-2D.3 91.35. (2B.1,2D.3)(3B.4)(6B.5)(7B.0).
Xmgb5-2A{9959}[2]. MGB5. (2A).
Xmgb57-2A{9959}[2]. MGB57. (2A,2B).
Xmgb57-2B{9959}[2]. MGB57. (2A,2B).
Xmgb236-2A{9959}[2]. MGB236. (2A,2B).
Xmgb236-2B{9959}[2]. MGB236. (2A,2B).
Xmgb342-2B{9959}[2]. MGB342. (2B).
Xmwg41-2A{282}[3]. MWG41{467}. (2A)(3A).
Xmwg503-2A{282}[3]. MWG503{467}. (2A).
Xmwg526-2A.1{0078}. MWG526. (2A.1,2A.2)(3D).
Xmwg526-2A.2{0078}. MWG526. (2A.1,2A.2)(3D).
Xmwg526a-2D 85.44. (2D).
Xmwg526b-2D 108.69. (2D).
Xmwg546-1D{9926}[4]. MWG546{467}. (1D)(2B).
Xmwg546-2B{1060}[1]. MWG546{467}. (1D)(2B).
Xmwg546a-2B 104.23. (2B).
Xmwg660a-2B 102.25. (2B).
Xmwg660b-2B 125.73. (2B).
Xmwg835-2A{282}[3]. MWG835{467}. (1A,1A.1,1A.2,1B.1,1B.2,1D)(2A)(5A).
Xmwg920-2A{282}[3]. MWG920{467}. (1A.1,1A.2)(2A)(5A). Mapping of the same 1A[m],
    2A[m] and 5A[m] loci with MWG920 and MWG835 was reported in {282}.
Xmwg949-2A{282}[3]. MWG949{467}. (2A).
Xmwg2021-2A{282}[3]. MWG2021{467}. (1A.1,1A.2,1B.1,1B.2,1D)(2A)(3A).
Xmwg2025-2B{1060}. MWG2025. (2B)(4B).
Xmwg2025b-2B 95.82. (2B)(4B).
Xmxe3M2b-2B 91.32. (2B).
Xopp2-510-2B 83.58. (2B).
XP31M54-4-2D 121.26. (2D).
XP33/M76-3-2A 86.25. (2A).
XP35M48-4-2D 53.42. (2D).
XP35M53-3-2D 112.12. (2D).
XP38M49-7-2D 112.12. (2D).
XP40M51-1-2D 112.12. (2D).
XP41M61-3-2D 112.12. (2D).
XP41M48-61-2D 112.12. (2D).
XP42M60-6-2D 125.01. (2D).
XP78M43-2A.8 105.18.
    (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
XP78M63-2A.2 62.5. (2A.2)(6B.1,6B.3a)(7A.6,7B.4,7B.7).
XP78M69-2A.9 71.64. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B)(7A.1).
XP78M71-2A.7 105.18. (1A.5)(2A.7,2B.1)(6B.3)(7A.8,7B.2,7B.6).
XP78M87-2A.6 103. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
XpBS128a-2A 70.75. (2A).
XpKabaG-2B 102.17. (2B).
Xpsp3-2B{410}. PSP3F/PSP3R. (2B).
Xpsp2151(Tel)-2A.3{888}. PSP2159F/PSP2151R[a]. (2A.3).
Xpsp3029-2A{1425}. PSP3029F/PSP3029R. (2A)(6A.1,6A.2).

Xpsp3034-2B{1425}. PSP3034F/PSP3034R. (2B)(7B).
Xpsp3039-2A{1425}. PSP3039F/PSP3039R. (2A).
Xpsp3045-2A{0253}. PSP3045F/PSP3045R. (2A)(5B)(7D).
Xpsp3088-2A{151,1425}. 62. PSP3088F/PSP3088R. (2A).
Xpsr101(Psk-1)-2A{1329}[b]. [*Xpsr101-2A*{1329,1392}]. PSR101. (2A,2B,2D).
Xpsr101(Psk-1)-2B{1329}[b]. [*Xpsr101-2B*{1329,1392}]. PSR101. (2A,2B,2D).
Xpsr101(Psk-1)-2D{1329}[b]. [*Xpsr101-2D*{1329,1392}]. PSR101. (2A,2B,2D).
Xpsr102(Sam)-2A{1328,256}[b]. [*Xpsr102-2A*{1328,256}]. PSR102. (2A,2B,2D). Mapping
   of the same $2A^m$ locus with PSR102, ABC451 and CDO588 was reported in {282}.
Xpsr102(Sam)-2B{1328,256}[b]. [*Xpsr102-2B*{1328,256}]. PSR102. (2A,2B,2D).
Xpsr102(Sam)-2D{1328,256}[b]. [*Xpsr102-2D*{1328,256}]. PSR102. (2A,2B,2D).
Xpsr112-2A{1328,256}. PSR112. (2A,2B,2D).
Xpsr112-2B{1328,256}. PSR112. (2A,2B,2D).
Xpsr112-2D{1328,256}. PSR112. (2A,2B,2D).
Xpsr151(GapA)-2A{256}[b]. [*Xpsr151-2A*{256}]. PSR151. (2A,2B,2D).
Xpsr151(GapA)-2B{256}[b]. [*Xpsr151-2B*{256}]. PSR151. (2A,2B,2D).
Xpsr151(GapA)-2D{256}[b]. [*Xpsr151-2D*{256}]. PSR151. (2A,2B,2D).
Xpsr304-2A{256}. PSR304. (2A,2B,2D)(5B).
Xpsr304-2B{256}. PSR304. (2A,2B,2D)(5B).
Xpsr304-2D{256}. PSR304. (2A,2B,2D)(5B).
Xpsr331-2A{256}. PSR331. (2A,2B,2D,2D.1).
Xpsr331-2B{256}. PSR331. (2A,2B,2D,2D.1).
Xpsr331-2D{256}. PSR331. (2A,2B,2D,2D.1).
Xpsr331-2D.1 83.81. (2A,2B,2D,2D.1).
Xpsr370-2B{0242}. [*Xpsr370b-2B*{0242}]. PSR370. (2B,2D)(5A,5B,5D).
Xpsr370-2D{0242}. [*Xpsr370a-2D*{0242}]. PSR370. (2B,2D)(5A,5B,5D).
Xpsr380-2A{256}. PSR380. (2A,2B,2D).
Xpsr380-2B{256}. PSR380. (2A,2B,2D).
Xpsr380-2D{256}. PSR380. (2A,2B,2D).
Xpsr388-2A{256}. 62.75. PSR388. (2A,2B,2D)(3D).
Xpsr388-2B{256}. PSR388. (2A,2B,2D)(3D).
Xpsr388-2D{256}. PSR388. (2A,2B,2D)(3D).
Xpsr390-2A{256}. PSR390. (2A,2B,2D).
Xpsr390-2B{256}. PSR390. (2A,2B,2D).
Xpsr390-2D{256}. PSR390. (2A,2B,2D).
Xpsr471(Gapd1)-2A{178}. [*XGapd1-2A*]. pZm57{138}. (2A,2B,2D[*]).
Xpsr471(Gapd1)-2B{178}. [*XGapd1-2B*]. pZm57{138}. (2A,2B,2D[*]).
Xpsr471(Gapd1)-2D[*]{178}. [*XGapd1-2D*]. pZm57{138}. (2A,2B,2D[*]).
Xpsr540-2A{256}. PSR540. (1A)(2A,2B,2D)(7B).
Xpsr540-2B{256}. PSR540. (1A)(2A,2B,2D)(7B).
Xpsr540-2D{256}. PSR540. (1A)(2A,2B,2D)(7B).
Xpsr571-2A{256}. PSR571. (2A,2B,2D).
Xpsr571-2B{256}. PSR571. (2A,2B,2D).
Xpsr571-2D{256}. PSR571. (2A,2B,2D).
Xpsr575-2A.1 63.25. (2A,2A.1)(5A,5A.2,5D).
Xpsr609-2A{256}. PSR609. (2A,2B,2D).
Xpsr609-2B{256}. PSR609. (2A,2B,2D).
Xpsr609-2D{256}. PSR609. (2A,2B,2D).
Xpsr630-2A{256}. PSR630. (2A,2B,2D).
Xpsr630-2B{256}. PSR630. (2A,2B,2D).
Xpsr630-2D{256}. PSR630. (2A,2B,2D).

Xpsr641-2A{256}. PSR641. (2A,2B,2D).
Xpsr641-2B{256}. PSR641. (2A,2B,2D).
Xpsr641-2D{256}. PSR641. (2A,2B,2D).
Xpsr644-2B{0031}. [*Xpsr644b-2B*{0031}]. PSR644. (2B)(5A).
Xpsr681-2A{256}. PSR681. (2A,2B,2D)(6D)(7B).
Xpsr681-2B{256}. PSR681. (2A,2B,2D)(6D)(7B).
Xpsr681-2D{256}. PSR681. (2A,2B,2D)(6D)(7B).
Xpsr687-2A{256}. PSR687. (2A,2B,2D)(7A,7B,7D).
Xpsr687-2B{256}. PSR687. (2A,2B,2D)(7A,7B,7D).
Xpsr687-2D{256}. PSR687. (2A,2B,2D)(7A,7B,7D).
Xpsr692-2A{256}. PSR692. (2A,2B,2D).
Xpsr692-2B{256}. PSR692. (2A,2B,2D).
Xpsr692-2D{256}. PSR692. (2A,2B,2D).
Xpsr804(Sbp)-2B.2{251,256}. [*XSbp-2B(2)*]. S9.2{1188}. (2B.1,2B.2)(3A,3B,3D)(7B).
Xpsr901-2A{256}. PSR901. (2A,2B,2D).
Xpsr901-2B{256}. PSR901. (2A,2B,2D).
Xpsr901-2D{256}. PSR901. (2A,2B,2D).
Xpsr919-2A{256}. PSR919. (2A,2B,2D)(3B).
Xpsr919-2B{256}. PSR919. (2A,2B,2D)(3B).
Xpsr919-2D{256}. PSR919. (2A,2B,2D)(3B).
Xpsr924-2B{0031}. PSR924. (1A,1B,1D)(2B).
Xpsr932-2A{256}. PSR932. (2A,2B,2D).
Xpsr932-2B{256}. PSR932. (2A,2B,2D).
Xpsr932-2D{256}. PSR932. (2A,2B,2D).
Xpsr934-2A{256}. 85.5. PSR934. (2A,2B,2D)(4A).
Xpsr934-2B{256}. PSR934. (2A,2B,2D)(4A).
Xpsr934-2D{256}. PSR934. (2A,2B,2D)(4A).
Xpsr1200-2A{0043}. PSR1200. (2A,2B,2D)(3A).
Xpsr1200-2B{0043}. PSR1200. (2A,2B,2D)(3A).
Xpsr1200-2D{0043}. PSR1200. (2A,2B,2D)(3A).
Xpsr1923-2B{410}. PSR1923. (2B)(3B)(7B).
Xrz444-2D{1060}. RZ444. (2B,2B.1,2D).
Xrz444a-2D 87.33. (2D).
Xrz444b-2D 106.93. (2D).
Xsun11-2B{0256},{0242}. [*Xsunm11-2B*{0242}]. SUN 11F/SUN 11R. (2B).
Xsun21-2B{0256}. SUN 21F/SUN 21R. (2B).
Xsun22-2B{0256}. SUN 22F/SUN 22R. (2B).
Xtam8-2A{245,1060}. TAM8{245}. (2A,2B,2D).
Xtam8-2B{245,1060}. TAM8{245}. (2A,2B,2D).
Xtam8-2D{245,1060}. TAM8{245}. (2A,2B,2D).
Xtam8a-2D 52. (2D).
Xtam8b-2D 82.67. (2D).
XteL_2AL-2A 119.23. (2A).
Xutv861-2A{0269}[2]. UTV861. (2A,2B).
Xutv861-2B{9959}[2]. UTV861. (2A,2B).
Xutv1340-2A{9959}[2]. UTV1340. (2A,2B.1,2B.2,2B.3).
Xutv1340-2B.2{9959}[2]. UTV1340. (2A,2B.1,2B.2,2B.3).
Xutv1340-2B.3{9959}[2]. UTV1340. (2A,2B.1,2B.2,2B.3).
Xutv1427-2A{9959}[2]. UTV1427. (2A,2B).
Xutv1427-2B{9959}[2]. UTV1427. (2A,2B).
XWC0050pa-2D 109.07. (2D).

XWC0050pb-2A 105.18. (2A).
XWC2263b-2A 62.5. (2A).
Xwg184-2D{864},{9926}[4]. WG184{545}. (1D)(2D)(3A)(4D)(5A).
Xwg645-2A{154}. [*Xwg645a-2B*{154}]. WG645. (1D)(2A,2B,2D).
Xwg645-2B{154}. [*Xwg645a-2B*{154}]. WG645. (1D)(2A,2B,2D).
Xwg645-2D{232}. [*Xwg645a-2B*{154}]. WG645. (1D)(2A,2B,2D).
Xwg645a-2B 113.39. (2B).
Xwg645b-2A 102.66. (2A).
Xwg996-2B{1060}. 82. WG996{545}. (2B).
Xwmc41-2D{0015}. 97.45. WMC 41F/WMC 41R{0080}. (2D).
Xwmc51h-2B 91.04. (2B).
Xwmc63a-2A 62.5. (2A).
Xwmc109d-2A 77.66. (2A).
Xwmc149-2B{0153}. 123.51. WMC 149F/WMC 149R{0156}. (2B)(5B).
Xwmc167-2D{0153,0348}. WMC 167FWMC 167R. (2D).
Xwmc170-2A{0153}. 79.22. WMC 170F/WMC 170R{0157}. (2A).
Xwmc175-2B{0348}. WMC 175F/WMC 175R. (2B,2D).
Xwmc175-2D{0348}. WMC 175F/WMC 175R. (2B,2D).
Xwmc175a-2B 95.52. (2B).
Xwmc175c-2D 77.23. (2D).
Xwmc179-2A.2 63.25. (2A.2)(4A.3).
Xwmc181-2A{0348}. WMC 181F/WMC 181R. (2A,2D).
Xwmc181-2D{0348}. WMC 181F/WMC 181R. (2A,2D).
Xwmc181a-2A 86.7. (2A).
Xwmc181b-2A 113.56. (2A,2D).
Xwmc181b-2D 88.19. (2A,2D).
Xwmc243-2D 65.85. (2B,2D).
Xwmc245b-2B 80. (2B).
Xwmc246-2A 62. (2A).
Xwmc261-2A{0348}. 74.58. WMC 261F/WMC 261R. (2A).
Xwmc265-2B 79. (2B).
Xwmc272-2B{0348}. 81. WMC 272F/WMC 272R. (2B).
Xwmc317-2B 124.63. (2B).
Xwmc332-2B 101.87. (2B).
Xwmc339-2B{0242}. WMC 339F/WMC 339R. (2B).
Xwmc360-2B{0242}. 94.03. WMC 360F/WMC 360R. (2B).
Xwmc361-2B 108.21. (2B).
Xwmc434a-2B 105.07. (2B)(5D).
Xwmc435-2B.1 98.51. (2B.1).
Xwmc441-2B 86.94. (2B).
Xwmc445-2B.1 128.51. (2B,2B.1,2D).
Xwmc445-2D 100.43. (2B,2B.1,2D).
Xwmc474b-2A 62. (2A).
Xwsu1-2A 70.75. (2A,2B,2B.1,2D,2D.2).
Xwsu2-2B 87.93. (2B).
Xwsu2(Pk)-2B{1060}. [*XKABA*{005}, *G-2B*{1060}]. pKABAg1{1536},TaPk3{1536}. (2B).
Xwye1922(Sbe)-2A{410}. pWBE6. (2A,2B,2D).
Xwye1922(Sbe)-2B{410}. pWBE6. (2A,2B,2D).
Xwye1922(Sbe)-2D{410}. pWBE6. (2A,2B,2D).

6. Group 2

Xab356-2D{9926}[4]. ABG356. (2D).
Xabc162-2A{0242}. ABC162. (2A).
Xabc165-2D.1{0242}. [*Xabc165a-2D*{0242}]. ABC165. (2D.1,2D.2).
Xabg356-2B{0242}[1]. ABG356. (2B).
Xabg464-2D{9926}[4]. ABG464. (1A)(2D).
Xabgp58-2B{339}. BG058F/ABG058R. (2B)(5B)(7B).
Xabgp317-2D{339}. ABG317F/ABG317R. (2D).
Xabgp602-2B{339}. ABG602F/ABG602R. (2B,2D).
Xabgp602-2D{339}. ABG602F/ABG602R. (2B,2D).
Xabgp712-2A{339}. BG712F/ABG712R. (1A)(2A,2B,2D).
Xabgp712-2B{339}. BG712F/ABG712R. (1A)(2A,2B,2D).
Xabgp712-2D{339}. BG712F/ABG712R. (1A)(2A,2B,2D).
Xbarc167-2B 72.24. (2B).
Xbcd18-2B.2{0074}. [*Xbcd18b*{0074}, *Xbcd18b*{0074}, *Xbcd18c-2B*{0074}]. BCD18.
    (2B,2B.1,2B.2,2B.3,2D,2D.2).
Xbcd18-2B.3{0074}. [*Xbcd18c-2B*{0074}, *Xbcd18b*{0074}, *Xbcd18c-2B*{0074}]. BCD18.
    (2B,2B.1,2B.2,2B.3,2D,2D.2).
Xbcd828-2D{9926}[4]. BCD828. (2D)(3A).
Xbcd907-2B{0074}. [*Xbcd907b-2B*{0074}]. BCD907. (2B)(3B,3B.1,3B.2,3D)(7A).
Xbcdp129-2B{339}. BCD129F/BCD129R. (2B).
Xbcdp175-2B{339}. BCD175F/BCD175R. (2B,2D).
Xbcdp175-2D{339}. BCD175F/BCD175R. (2B,2D).
Xbg508-2D{9926}[4]. BG508. (2D).
Xbgl1485(Ger)-2A{282}[3]. BG1485{664}. (2A).
Xcdo366-2B{0242}. CDO366. (2B,2D).
Xcdo366-2D{0242}. CDO366. (2B,2D).
Xcdo665-2A {0242}. CDO665. (2A)(4A).
Xcdo675-2D{9926}[4]. CDO275. (1D)(2D)(7D).
Xcfd2-2A{0349}. CFD 2F/CFD 2R. (2A).
Xcfd11-2B{0349}. CFD 11F/CFD 11R. (2B,2D).
Xcfd11-2D{0349}. CFD 11F/CFD 11R. (2B,2D).
Xcfd25-2B{0349}. CFD 25F/CFD 25R. (2B).
Xcfd62-2D{0349}. CFD 62F/CFD 62R. (2D)(7A).
Xcfd77-2D{0349}. CFD 77F/CFD 77R. (2D).
Xcsih69-2D{757}[4]. [*XcsIH69*{757}]. csIH69{757}. (1A,1D.1,1D.2)(2D).
Xcsih89-2D{757}[4]. [*XcsIH89*{757}]. csIH89{757}. (2D).
Xcsih97-2D{757}[4]. [*XcsIH97e*{757}]. csIH97{757}. (2D)(3D)(5D.1,5D.2).
Xcsiha114-2D{757}[4]. [*XcsIHA114-2*{757}]. csIHA114-2{757}. (2D)(4D.1,4D.2).
XDuPw207-2B{0366}. DUPW 207F/DUPW 207R. (2B).
XDuPw210-2A{0366}. DUPW 210F/DUPW 210R. (2A).
Xfbb226-2A{1060}, {1057}. [*Xfba226-2A*{1060}]. FBA226. (2A,2B)(4D)(7B,7B.1).
Xfbb226-2B{1060}. [*Xfba226-2A*{1060}]. FBA226. (2A,2B)(4D)(7B,7B.1).
XgbxG35-2B.2{0354}. [*XgbxG035b-2B*{0354}]. gbxG035. (2B.1,2B.2)(4A)(7B).
XgbxR635-2A{0354}. gbxR635. (2A,2D).
XgbxR635-2D{9958}. 49.63. gbxR635. (2A,2D).
Xgdm29-2D{0173}. DMS F29/DMS R29. (2D).
Xgdm77-2D{0173}. DMS F77/DMS R77. (2D).
Xgdm86-2B{0173}. DMS F86/DMS R86. (2B)(7D).
Xgdm124-2B{0173}. DMS F124/DMS R124. (2B).
Xgdm148-2D{0173}. DMS F148/DMS R148. (2D).
Xgk163-2D{9926}[4]. pTag163. (2D).

Xgk293-2A{0031}. [*Xglk293b-2A*{0031}]. pTag293. (2A).
Xgk610-2B.1{0031}. pTag610. (2B.1,2D).
Xgk610-2D{0031}. [*Xglk610c-2D*{0031}]. pTag610. (2B.1,2D).
Xgk687-2A{0031}. [*Xglk687a-2A*{0031}]. pTag687. (2A).
Xgk699-2A{0031}. [*Xglk699b-2A*{0031}]. pTag699. (2A).
Xglk94-2D{822}. [*Xglk94c*{822}]. pTag94. (1D)(2D)(3D)(6A).
Xglk175-2D{822}. pTag175. (2D).
Xglk278-2A.1{0031}[1]. [*Xglk278a-2A*{0031}]. pTag278. (2A.1,2A.2,2B,2D)(4D)(5A,5B).
Xglk278-2A.2{0031}[1]. [*Xglk278b-2A*{0031}]. pTag278. (2A.1,2A.2,2B,2D)(4D)(5A,5B).
Xglk278-2B{0031}[1]. [*Xglk278c-2B*{0031}]. pTag278. (2A.1,2A.2,2B,2D)(4D)(5A,5B).
Xglk278-2D{9926}[4]. pTag278. (2A.1,2A.2,2B,2D)(4D)(5A,5B).
Xglk293-2D{822}. [*Xglk293b-2A*{0031}]. pTag293. (2D).
Xglk301-2D{9926}[4]. pTag701. (1B)(2D)(3D)(5D)(7A,7B).
Xglk431-2D{822}. [*Xglk431a*{822}]. pTag431. (1B)(2D)(4B).
Xglk452-2A{822}. [*Xglk452b*{822}]. pTag452. (2A)(4A).
Xglk460-2A{822}. pTag460. (2A).
Xglk520-2A{822}. [*Xglk520c*{822}]. pTag520. (1B)(2A)(3B)(5A)(6B).
Xglk610-2A{822}. [*Xglk610a-2A*{822}]. pTag610. (2A,2B.1,2B.2,2D).
Xglk610-2B.2{0031}. [*Xglk610b-2B*{0031}]. pTag610. (2A,2B.1,2B.2,2D).
Xglk610-2B.1{822}. [*Xglk610b-2B*{0031}]. pTag610. (2A,2B.1,2B.2,2D).
Xglk610-2D{822}. [*Xglk610c-2D*{0031}]. pTag610. (2A,2B.1,2B.2,2D).
Xglk613-2D{822}. pTag613. (2D).
Xglk684-2A{822}. [*Xglk684b-2B*{0031}]. pTag684. (2A,2B).
Xglk684-2B{0031}. [*Xglk684b-2B*{0031}]. pTag684. (2A,2B).
Xglk732-2D{9926}[4]. pTag732. (1A)(2D).
Xglk734-2D{822}. pTag734. (2D).
Xglk738-2A{822}. pTag738. (2A).
Xglk744-2A{1034}. pTag744{1499}. (2A,2B,2D)(6B).
Xglk744-2B{1034}. pTag744{1499}. (2A,2B,2D)(6B).
Xglk744-2D{1034}. pTag744{1499}. (2A,2B,2D)(6B).
Xglk757-2D{9926}[4]. pTag757. (2D).
Xgwm271-2B{0242}. [*Xgwm271a-2B*{0242}]. WMS F271/WMS R271. (2B)(5B,5D).
Xgwm372-2A{0035}[2]. WMS 372F/WMS 372R. (2A).
Xgwm403-2B{0171}. [*Xgwm403b-2B*{0171}]. WMS F403/WMS R403. (1B)(2B).
Xgwm582-2A{0171}. [*Xgwm582-2A*{0171}]. WMS F582/WMS R582. (1B)(2A)(6B).
XksuA2-2D{448}. pTtksuA2. (2D).
XksuB3-2D{448}. pTtksuB3. (2D).
XksuC3-2D{448}. pTtksuC3. (2D).
XksuD8-2D{448}[1,3]. pTtksuD8. (2A,2B,2D).
XksuD38-2D{9926}[4]. pTtksuD38. (2D).
XksuE3-2D{282}[3]. pTtksuE3{448}. (1A)(2A,2B,2D)(3A,3B)(4A)(6A,6D)(7A,7D,7D.4).
XksuE7-2B{0242}. pTtksuE7. (2B)(7D).
XksuF11-2B{232,1060}. pTtksuF11{448}. (2A,2B,2D).
XksuF11-2D{9926}[4]. pTtksuF11. (2A,2B,2D).
XksuF36-2D{448}[4]. [*XksuF36(A)-2D*{448}]. pTtksuF36{448}. (2D)(4A)(6D)(7D).
XksuG49-2D.1{448}[4]. [*XksuG49(A)-2D*{448}]. pTtksuG49{448}.
   (2D.1,2D.2,2D.3,2D.4)(4A)(6A)(7D.1,7D.2,7D.3).
XksuG49-2D.2{448}[4]. [*XksuG49(B)-2D*{448}]. pTtksuG49{448}.
   (2D.1,2D.2,2D.3,2D.4)(4A)(6A)(7D.1,7D.2,7D.3).
XksuG49-2D.3{448}[4]. [*XksuG49(C)-2D*{448}]. pTtksuG49{448}.
   (2D.1,2D.2,2D.3,2D.4)(4A)(6A)(7D.1,7D.2,7D.3).

XksuG49-2D.4{448}[4]. [*XksuG49(D)-2D*{448}]. pTtksuG49{448}.
  (2D.1,2D.2,2D.3,2D.4)(4A)(6A)(7D.1,7D.2,7D.3).
XksuG55-2D{9926}[4]. pTtksuG55. (1D,1D.1,1D.2)(2D)(4D)(7A).
XksuG57-2D{448}[4]. [*XksuG57(C)-2D*{448}]. pTtksuG57{448}. (2D)(5D,5D.1,5D.2,5D.3).
XksuH8-2D.1{9926}[4]. pTtksuH8. (2D.1,2D.2)(3D)(4A)(5A,5B)(7A,7B,7D).
XksuH8-2D.2{9926}[4]. pTtksuH8. (2D.1,2D.2)(3D)(4A)(5A,5B)(7A,7B,7D).
XksuM1-2D{448}[4]. [*XksuM1(A)-2D*{448}]. pTtksuM1{448}. (2D).
XksuM149-2D{448}[4]. [*XksuM149(A)-2D*{448}]. pTtksuM149{448}. (2D)(4D).
XksupE8-2B{339}. KSUE8F/KSUE8R. (2B)(4D)(6B)(7D).
XksupF15-2A{339}. KSUF15F/KSUF15R. (2A,2B)(3A)(6A,6B,6D).
XksupF15-2B{339}. KSUF15F/KSUF15R. (2A,2B)(3A)(6A,6B,6D).
XksupG12-2B{339}. KSUG12F/KSUG12R. (2B,2D).
XksupG12-2D{339}. KSUG12F/KSUG12R. (2B,2D).
XksupM148-2A{339}. SUM148F/KSUM148R. (1B)(2A)(4B,4D)(6B).
Xkuj64-2A{1034}. pTac64{627}. (2A,2B,2D).
Xkuj64-2B{1034}. pTac64{627}. (2A,2B,2D).
Xkuj64-2D{1034}. pTac64{627}. (2A,2B,2D).
Xmwg520-2D{9926}[4]. MWG520. (2D).
Xmwg557-2D{9926}[4]. MWG557. (2D).
Xmwg820-2D{9926}[4]. MWG820. (2D)(5A)(6A,6B).
Xmwg844-2A{282}[3]. MWG844{467}. (2A)(4A).
Xmwg2033-2A{282}[3]. MWG2033{467}. (2A)(4A).
Xphp10005-2A{253}. Php10005. (2A,2B,2D)(7A,7B,7D).
Xphp10005-2B{253}. Php10005. (2A,2B,2D)(7A,7B,7D).
Xphp10005-2D{253}. Php10005. (2A,2B,2D)(7A,7B,7D).
Xpsp3023-2A{151}. PSP3023F/PSP3023R. (2A).
Xpsp3030-2B{151,1425}. PSP3030F/PSP3030R. (2B)(3B,3B.1)(4B,4B.2).
Xpsr129-2A{0031}. [*Xpsr129a-2A*{0031}]. PSR129. (2A)(7A,7B,7D).
Xpsr148(Cat0)-2A{399}b. [*Xpsr148-2A*{399}]. PSR148. (2A,2B,2D)(7A,7B,7D).
Xpsr148(Cat0)-2B{399}b. [*Xpsr148-2B*{399}]. PSR148. (2A,2B,2D)(7A,7B,7D).
Xpsr148(Cat0)-2D{399}b. [*Xpsr148-2D*{399}]. PSR148. (2A,2B,2D)(7A,7B,7D).
Xpsr575-2A{1181}. [*Xpsr575.1*{1181}]. PSR575. (2A,2A.1)(5A,5A.2,5D).
Xpsr680-2D{9926}[4]. PSR680. (2D)(7A,7B,7D).
Xpsr961-2B{0031}. PSR961. (2B).
Xpsr1870(Aba12)-2B{1181}. [*XABA12*{1181}]. ABA12{473}. (2B).
Xpsr2019(Aba8)-2A{473}. ABA8. (1A,1B)(2A,2B,2D).
Xpsr2019(Aba8)-2B{473}. ABA8. (1A,1B)(2A,2B,2D).
Xpsr2019(Aba8)-2D{473}. ABA8. (1A,1B)(2A,2B,2D).
Xrgc12-2A{739}. [*XEif-2A*]. RGC12. (2A,2B,2D)(5B).
Xrgc12-2B{739}. [*XEif-2B*]. RGC12. (2A,2B,2D)(5B).
Xrgc12-2D{739}. [*XEif-2D*]. RGC12. (2A,2B,2D)(5B).
Xrgc854-2B{739}. RGC854. (2B,2D).
Xrgc854-2D{739}. RGC854. (2B,2D).
Xscu6-2A{0368}. CSB006.H05 F/R. (2A,2B,2D).
Xscu6-2B{0368}. CSB006.H05 F/R. (2A,2B,2D).
Xscu6-2D{0368}. CSB006.H05 F/R. (2A,2B,2D).
Xsfr4(NBS)-2A{0031}. [*PL_AP-2A*{0031}]. PL_AP. (2A).
Xstm773-2B{0242}. STM 773F/STM 773R. (2B).
Xtam15-2A{245}. TAM15. (2A,2B,2D).
Xtam15-2B{245}. TAM15. (2A,2B,2D).
Xtam15-2D{245}. TAM15. (2A,2B,2D).

Xtam23-2A{245}. TAM23. (2A,2B,2D).
Xtam23-2B{245}. TAM23. (2A,2B,2D).
Xtam23-2D{245}. TAM23. (2A,2B,2D).
Xtam34-2A{245}. TAM34. (2A,2B,2D).
Xtam34-2B{245}. TAM34. (2A,2B,2D).
Xtam34-2D{245}. TAM34. (2A,2B,2D).
Xtam39-2A{245}. TAM39. (2A,2B,2D).
Xtam39-2B{245}. TAM39. (2A,2B,2D).
Xtam39-2D{245}. TAM39. (2A,2B,2D).
Xtam46-2A{245}. TAM46. (2A)(7B).
Xtam49-2A{245}. TAM49. (2A,2D).
Xtam49-2D{245}. TAM49. (2A,2D).
Xtam50-2A{245}. TAM50. (2A,2B,2D)(7B).
Xtam50-2B{245}. TAM50. (2A,2B,2D)(7B).
Xtam50-2D{245}. TAM50. (2A,2B,2D)(7B).
Xtam58-2D{245}. TAM58. (2D)(7B).
Xtam65-2A{245}. TAM65. (1B)(2A)(3B)(4A)(7A,7D).
Xtam67-2B{245}. TAM67. (2B).
Xtam71-2A{245}. TAM71. (2A,2B).
Xtam71-2B{245}. TAM71. (2A,2B).
Xucg1(ACCp}-2A{459}. UCG1{459}. (2A,2B,2D).
Xucg1(ACCp}-2B{459}. UCG1{459}. (2A,2B,2D).
Xucg1(ACCp}-2D{459}. UCG1{459}. (2A,2B,2D).
Xumc190(Sus1)-2B{253}. UMC190. (2B,2D)(7A,7D).
Xumc190(Sus1)-2D{253}. UMC190. (2B,2D)(7A,7D).
Xutv109-2B{9959}[2]. UTV109. (2B).
Xw2I b-2D 48.7. (2D).
Xwg405-2D{9926}[4]. WG405. (2D)(6D).
Xwmc24-2A{0153}. WMC 24F/WMC 24R{0162}. (1A)(2A).
Xwmc179c-2B 71.27. (2B).
Xwmc245-2D{0153}. WMC 245F/ WMC 245R{0159}. (2D).
Xwmc445-2B{0242}. WMC 445F/WMC 445R. (2B,2B.1,2D).

7. Group 3S

M21/P76-3B.3 5.34. (1A.5)(3B.3)(4A.4)(7B.9).
M60/P64-3B.11 32.04. (1A.8)(2A.6)(3B.11,3B.13,3B.5a)(4A.1,4A.10)(5A.4)(6A.2).
M60/P64-3B.5a 39.75. (1A.8)(2A.6)(3B.11,3B.13,3B.5a)(4A.1,4A.10)(5A.4)(6A.2).
M62/P64-3B.7 20.16. (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7B.11,7B.2,7B.9,7D.6).
M65/P64-3D.6 3.17. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7B.2).
M71/P77-3D.4 3.17. (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).
M83/P65-3B.10 33.83. (1A.1)(2A.2)(3B.10,3D.9)(7B.7).
P31/M57-2-3A 18.2. (3A).
P32/M59-7-3A 60.58. (3A).
P34/M51-67-3B 47. (3B).
P35/M50-1-3A 53.15. (3A).
P35/M55-6-3A 52.18. (3A).
P36/M53-134-3A 54.8. (3A).
P36/M54-6-3A 19.02. (3A).
P37/M53-3-3A 63.34. (3A).
P37/M58-165-3A 33.55. (3A).
P37/M58-3-3A 43.82. (3A).

P38/M61-4-3B 25.78. (3B).
P39/M49-377-3A 19.02. (3A).
P39/M50-152-3A 71. (3A).
P40/M54-3-3B 44.82. (3B).
P40/M61-3-3A 70. (3A).
P41/M39-1-3B 48. (3B).
P41/M40-1-3A 67.19. (3A).
P41/M41-4-3A 39.4. (3A).
P41/M51-322-3A 18.2. (3A).
P41/M61-1-3A 17.38. (3A).
P42/M49-2-3A 65.26. (3A).
P42/M50-1-3A 59.07. (3A).
P44/M61-4-3A 74. (3A).
P78/M43-3B.11 6.49.
  (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
P78/M59-3B.2 7.94. (2B.1)(3B.2,3D.3)(4A.6)(7B.7).
P78/M69-3B.2 45.03. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B).
P78/M69-3B.5 17.43. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B).
P78/M87-3B.2 32.04. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
P78/M92-3B.3 2.15. (1B.2)(2A.10)(3B.0,3B.3,3B.5).
Xabc171-3A{282}[3]. ABC171{664}. (3A).
Xabc171x-3D 22.88. (3D).
Xabc172a-3A 25.99. (3A,3D).
Xabc172b-3A 51. (3A).
Xabg390-3A{282}[3]. ABG390{664}. (3A)(4A).
Xabg460-3A{1061}. 69. ABG460{664}. (1D)(3A)(4A.1,4A.2). Mapping of the same 3A[m]
  and 4A[m] loci with ABG460 and MWG584 was reported in {282}.
Xabg471-3A{1061}. ABG471{664}. (3A,3A.1,3B)(6B).
Xabg471-3A.1 65.05. (3A,3A.1,3B)(6B).
Xabg471-3B{1061}. 47. ABG471{664}. (3A,3A.1,3B)(6B).
XATPase-3B.1{1061}. Clone 'cNP5' was obtained from Nam Chua{1057},cNP5.
  (1D)(3A,3A.2,3B.1,3B.2).
XATPasea-3B 23.58. (1D)(3B).
XATPaseb-3B 47.47. (3B).
XAWM007-3B 30.64. (3B).
XAWM155b-3D 2.41. (3D).
XAWM395-3B 46.48. (3B).
Xaww1(Msh7)-3A{0345}. [*TaMSH7-3A*{0345}]. TaMSH7. (3A,3B,3D).
Xaww1(Msh7)-3B{0345}. [*TaMSH7-3A*{0345}]. TaMSH7. (3A,3B,3D).
Xaww1(Msh7)-3D{0345}. [*TaMSH7-3D*{0345}]. TaMSH7. (3A,3B,3D).
Xbarc8-3D 38.45. (3D).
Xbarc12-3A 25.32. (3A).
Xbarc19-3A 73. (3A).
Xbarc57-3A 0. (3A).
Xbarc67-3A 72. (3A).
Xbarc75-3B 12.33. (3B).
Xbarc102-3B 29.55. (3B).
Xbarc133-3B 16.19. (3B).
Xbarc147-3B 16.48. (3B).
Xbarc179-3A 54.14. (3A).
Xbarc218-3B 35.62. (3B).

Xbarc284-3A 41.4. (3A).
Xbarc294-3A 21.96. (3A).
Xbarc310-3A 23.4. (3A).
Xbarc321-3A.1 22.32. (3A.1,3D.2).
Xbarc321-3D.2 16.05. (3A.1,3D.2).
Xbarc324-3A 73. (3A).
Xbarc356-3A 70. (3A).
Xbcd15-3A{1061}. BCD15{545}. (3A,3A.1,3B)(4A,4B,4D,4D.1).
Xbcd15-3A.1 26.09. (3A,3A.1,3B)(4A,4B,4D,4D.1).
Xbcd706-3A{1061}. 66.68. BCD706{545}. (3A).
Xbcd809a-3B 22.68. (3B).
Xbcd907-3B{1061}. BCD907{545}. (2B)(3B,3B.1,3B.2,3D)(7A).
Xbcd907-3B.1{0078}. BCD907. (2B)(3B,3B.1,3B.2,3D)(7A).
Xbcd907-3B.2{0078}. BCD907. (2B)(3B,3B.1,3B.2,3D)(7A).
Xbcd907-3D{1061}. BCD907{545}. (2B)(3B,3B.1,3B.2,3D)(7A).
Xbcd907a-3D 21.63. (3D).
Xbcd1278-3A.1 43.22. (3A.1,3B.2).
Xbcd1278-3B.2 26.14. (3A.1,3B.2).
Xbcd1380a-3B 24.53. (3B).
Xbcd1418a-3B 22.15. (3B).
Xbcd1428-3A{1061}. 36.93. BCD1428{545}. (3A).
Xbcd1532-3A{1061}. BCD1532{545}. (3A,3A.1,3D,3D.2).
Xbcd1532-3A.1 67.61. (3A,3A.1,3D,3D.2).
Xbcd1532-3D{1061}. BCD1532{545}. (3A,3A.1,3D,3D.2).
Xbcd1532-3D.2 49.5. (3A,3A.1,3D,3D.2).
Xbcd1773a-3A 32.51. (3A).
Xbcd1802-3D{1061}. 26.89. BCD1802{545}. (3D).
Xbcd1823-3A{1061}. 64.94. BCD1823{545}. (3A).
Xblt4-3B.1 20.63. (3B.1).
Xcdo395-3A{1061},{0242}[1]. 36.4. CDO395{545}. (3A,3D).
Xcdo395-3D{9926}[4]. CDO395{545}. (3A,3D).
Xcdo407-3D{1061}. 52.28. CDO407{545}. (3D).
Xcdo460-3A{1061}. CDO460{545}. (3A,3A.1,3B,3B.2).
Xcdo460-3A.1 38.76. (3A,3A.1,3B,3B.2).
Xcdo460-3B{1061}. CDO460{545}. (3A,3A.1,3B,3B.2).
Xcdo460-3B.2 21.38. (3A,3A.1,3B,3B.2).
Xcdo482-3A{1061}. [*XcnlCDO482-3D*{862}]. 38.04. CDO482{545}. (3A,3B,3D).
Xcdo549-3D{1061}. CDO549{545}. (3D).
Xcdo549a-3D 0. (3D).
Xcdo549b-3D 38.55. (3D).
Xcdo583a-3B 21.23. (3B).
Xcdo638-3A{1061}. 60.87. CDO638{545}. (3A).
Xcdo718a-3A 43.37. (3A).
Xcdo1164-3A{1061}. CDO1164{545}. (3A,3A.1,3B).
Xcdo1164-3A.1 65.75. (3A,3A.1,3B).
Xcdo1164-3B{1061}. 48. CDO1164{545}. (3A,3A.1,3B).
Xcdo1345-3A{1061}. 64.35. CDO1345{545}. (3A).
Xcdo1435-3A{1061}. CDO1435{545}. (3A,3A.1,3D,3D.2).
Xcdo1435-3A.1 67.84. (3A,3A.1,3D,3D.2).
Xcdo1435-3D{1061}. CDO1435{545}. (3A,3A.1,3D,3D.2).
Xcdo1435-3D.2 51.46. (3A,3A.1,3D,3D.2).

Xcfd2a-3A 40.37. (3A)(5B).
Xcfd4-3B{0349}. 25.45. CFD 4F/CFD 4R. (3B).
Xcfd34-3D{0349}. 43.47. CFD 34F/CFD 34R. (3D).
Xcfd35-3D{0349}. 0. CFD 35F/CFD 35R. (3D).
Xcfd55-3D{0349}. 18.81. CFD 55F/CFD 55R. (3D).
Xcfd64-3D{0349}. 39.34. CFD 64F/CFD 64R. (3D).
Xcfd70-3D{0349}. 51.69. CFD 70F/CFD 70R. (3D).
Xcfd79a-3D 23.23. (3D).
Xcfd79b-3B 17.42. (3B).
Xcfd141-3D 13.37. (3D).
Xcmwg691-3A{282}[3]. [*Xmwg691-3A*{282}]. cMWG691{467}. (3A).
Xcnl2a-3D 3.87. (3D).
Xcnl8-3B 46.51. (3B)(7B.1).
Xcsu358(Pal)-3B{0091}. [*Pal-3B*{0091}]. CSU358. (3B).
XE3M3-3B 7.7. (3B).
Xfba091-3A.1 56.57. (3A.1,3B.2,3D).
Xfba091-3B.2 33.4. (3A.1,3B.2,3D).
Xfba091-3D 54.26. (3A.1,3B.2,3D).
Xfba91-3A{1061}. 39.4. FBA091. (3A,3B,3B.2,3D).
Xfba91-3B{1061}. 34.11. FBA091. (3A,3B,3B.2,3D).
Xfba91-3B.2 33.4. (3A,3B,3B.2,3D).
Xfba91-3D{1061}. FBA091. (3A,3B,3B.2,3D).
Xfba91c-3D 51.58. (3D).
Xfba127-3A{1061}. FBA127. (2B)(3A,3A.1)(5B)(6B)(7A).
Xfba127-3A.1 74. (2B)(3A,3A.1)(5B)(6B)(7A).
Xfba189a-3B 4.34. (3B).
Xfba190-3B{1061}. FBA190. (3B,3B.2,3D,3D.3)(5A,5A.1).
Xfba190-3B.2 14.14. (3B,3B.2,3D,3D.3)(5A,5A.1).
Xfba190-3D{1061}. FBA190. (3B,3B.2,3D,3D.3)(5A,5A.1).
Xfba190-3D.3 24.72. (3B,3B.2,3D,3D.3)(5A,5A.1).
Xfba241-3D{1061}. 45.06. FBA241. (3D).
Xfba311-3B{1061}. . 15.91. FBA311. (2D)(3B)(7B).
Xfba366-3A{1061}. 41.16. FBA366. (3A).
Xfbb024-3B 37.02. (3B).
Xfbb24-3B{1061}. 37.02. FBB024. (3B)(4B).
Xfbb142-3B{1061}. 38.63. FBB142. (3B).
Xfbb147a-3B 10.88. (3B).
Xfbb156a-3B 14.27. (3B)(5D).
Xfbb166-3B.1 17.82. (3B,3B.1)(5B)(6A,6A.2).
Xfbb166-3B{1061}. FBB166. (3B,3B.1)(5B)(6A,6A.2).
Xfbb185-3B{1061}. 23.89. FBB185. (2B)(3B)(6B).
Xfbb237a-3A{1061}. 30.78. (1D)(3A,3D).
Xfbb237b-3A 54.37. (3A,3D).
Xfbb278-3D.1 23.38. (2B)(3D.1)(4A)(7A).
Xfbb293a-3A 28.84. (1D)(3A).
Xfbb293b-3A 64.47. (3A).
Xfbb315-3B{1061}. 46.09. FBB315. (3B).
Xfbb370-3A{1061}. 21.42. FBB370. (3A,3D,3D.2).
Xfbb370-3D{1061}. FBB370. (3A,3D,3D.2).
Xfbb370-3D.2 24.72. (3A,3D,3D.2).
XgbxG265-3D{9958}. 22.97. gbxG265. (3D).

XgbxG392-3B{9958}. 43.97. gbxG392. (3B).
XgbxG406-3A{9958}. 60.52. gbxG406. (3A).
XgbxGx71-3B{0354}. [*XgbxG71d-3B*{0354}]. gbxGx71. (2B)(3B).
XgbxR080-3B 46.09. (3B).
XgbxR80-3B{9958}. [*XgbxR080-3B*{9958}]. gbxR080. (3B).
Xgdm72-3D{0030,0173}. ASMS F72/ASMS R72,DMS F72/DMS R72. (3D).
Xglk538-3B{154,822}. [*Xglk538a, b*{822}, *Xglk538b-3D*{154}, *Xglk538b-3D*{154}].
   pTag538{822}. (3B,3D,3D.1,3D.2).
Xglk538-3D.1{154}. [*Xglk538a-3B*{154}, *Xglk538b-3D*{154}]. pTag538{822}.
   (3B,3D,3D.1,3D.2).
Xglk538-3D.2{154}. [*Xglk538c-3D*{154}]. pTag538{822}. (3B,3D,3D.1,3D.2).
Xglk538a-3B 30.09. (3B).
Xglk538c-3D 41.64. (3D).
Xglk683-3A{1061}. 20.64. pTag683{822}. (3A,3B).
Xglk683-3B{822,233}. pTag683{822}. (3A,3B).
Xglk683/Sun2-3B 26.92. (3B).
Xglk724-3A{233}. [*Xglk724d*{822}]. pTag724{822}. (3A,3B,3D)(5A)(6A,6B,6D).
Xglk724-3B{822,233}. [*Xglk724d*{822}]. pTag724{822}. (3A,3B,3D)(5A)(6A,6B,6D).
Xglk724-3D{233}. [*Xglk724d*{822}]. pTag724{822}. (3A,3B,3D)(5A)(6A,6B,6D).
Xglk2007(Bzb2-1)-3A{0049}. [*Bzb2-A1*{0049}, *Bzb2-B1*{0049}, *Bzb2-D1*{0049}]. IHBP-
   1b(c38). (3A,3B,3D).
Xglk2007(Bzb2-1)-3B{0049}. [*Bzb2-B1*{0049}, *Bzb2-B1*{0049}, *Bzb2-D1*{0049}]. IHBP-
   1b(c38). (3A,3B,3D).
Xglk2007(Bzb2-1)-3D{0049}. [*Bzb2-D1*{0049}, *Bzb2-B1*{0049}, *Bzb2-D1*{0049}]. IHBP-
   1b(c38). (3A,3B,3D).
Xgpw297a-3A 68.72. (3A).
Xgpw322-3D 29.27. (3D).
Xgpw1007-3D 37.07. (3D).
Xgpw1106a-3D 15.97. (3D).
Xgpw1106b-3A 17.92. (3A).
Xgpw1107-3B 28.97. (3B).
Xgpw1108a-3B 30.98. (3B).
Xgpw1120-3B 36.85. (3B).
Xgpw1145-3B 31.97. (3B).
Xgpw1146a-3B 31.97. (3B).
Xgpw1201b-3B 33.26. (3B).
Xgpw2016-3A 61.8. (3A).
Xgpw2118b-3A 60.29. (3A).
Xgpw2132-3A 42.94. (3A).
Xgpw2142b-3A 40.61. (3A).
Xgpw2169-3A 72. (3A).
Xgpw2266-3A 73. (3A).
XgpwE11a-3B 7.04. (3B).
XgpwE11b-3D 15.97. (3D).
XgpwE11c-3A 18.69. (3A).
Xgwm2-3A{1226}. 72. WMS 2F/WMS 2R. (3A,3D).
Xgwm2-3D{9929}. WMS 2F/WMS 2R. (3A,3D).
Xgwm2a-3D 28.97. (3D).
Xgwm2b-3D 55.16. (3D).
Xgwm5-3A{1226}. 72. WMS 5F/WMS 5R. (3A).
Xgwm10-3A{1226}. WMS 10F/WMS 10R. (2A,2B)(3A).

Xgwm30-3A.2 73. (1A)(2D,2D.1)(3A,3A.2)(4A.2).
Xgwm30rb-3A 73. (3A).
Xgwm32-3A{9929}. 71. WMS F32/WMS R32. (3A).
Xgwm71-3D{9929}. 24. WMS F71/WMS R71. (2A.1,2A.2,2B,2B.2)(3D).
Xgwm72-3B{9929}. 43.27. WMS F72/WMS R72. (3B).
Xgwm77-3B{9929}. 46.36. WMS F77/WMS R77. (3B).
Xgwm107-3B{0171}. [*Xgwm107a-3B*{0171}]. WMS F107/WMS R107. (3A.3,3B)(4B)(6B).
Xgwm114a-3D 0. (3D).
Xgwm144-3B{724}. 35.8. WMS 144F/WMS 144R. (3B).
Xgwm156-3B 40.05. (3B)(5A).
Xgwm161-3D{724}. WMS 161F/WMS 161R. (3D).
Xgwm161a-3D 4. (3D).
Xgwm161b-3D 25.5. (3D).
Xgwm183-3D{9929}. WMS F183/WMS R183. (3D).
Xgwm183a-3D 7.53. (3D).
Xgwm183b-3D 31.92. (3D).
Xgwm218-3A{724}. 40.22. WMS 218F/WMS 218R. (3A).
Xgwm264-3B{9929}. 29.26. WMS F264/WMS R264. (1B,1B.1,1B.2)(3B).
Xgwm285-3B{9929}. WMS F285/WMS R285. (3B).
Xgwm369-3A{9929}[1], {0269}[2]. 35.88. WMS F369/WMS R369. (3A).
Xgwm374-3A{0171}. [*Xgwm374b-3A*{0171}]. WMS F374/WMS R374. (2B)(3A).
Xgwm376-3B{9929}. 45.31. WMS F376/WMS R376. (1A)(3B)(7A).
Xgwm389-3B{9929}[1], {0269}[2]. 9.88. WMS F389/WMS R389. (3B).
Xgwm493-3B{9929}. 19.69. WMS F493/WMS R493. (3B).
Xgwm533-3B.1{9929}. [*Xgwm533.1-3B*{9929}]. WMS F533/WMS R533. (3B.1,3B.2).
Xgwm533-3B.2{9929}. [*Xgwm533.2-3B*{9929}]. WMS F533/WMS R533. (3B.1,3B.2).
Xgwm533a-3B 13.56. (3B).
Xgwm533b-3B 30.14. (3B).
Xgwm685-3B{0030}. WMS F685/WMS R685. (3B).
Xksu22-3A{633}. pHv22. (3A,3B,3D).
Xksu22-3B{633}. pHv22. (3A,3B,3D).
Xksu22-3D{633}. pHv22. (3A,3B,3D).
Xksu683-3A 18.47. (3A).
XksuA1-3B{0078}. pTtksuA1. (1B)(2D)(3B)(5B)(7D).
Xksua6-3A.1 62.5. (3A.1).
Xksua6-3D.2 46.4. (3D.2).
XksuA6-3A{1061}[1]. 59.07. pTtksuA6{448}. (3A).
XksuA6-3D{448}[4], {1061}[1]. 57.28. pTtksuA6{448}. (3D). The arm location of *XksuA6-3D* in *T. tauschii* was not reported in {448}.
XksuB8-3A{0242}. 71. pTtksuB8. (3A,3B,3D).
XksuB8-3B{448}. pTtksu. (3A,3B,3D).
XksuB8-3D{448}. pTtksuB8. (3A,3B,3D).
XksuD19-3A{233}[1]. pTtksuD19. (3A,3B,3D).
XksuD30-3B{0152}. pTtksuD30. (3B)(5A,5B,5D).
XksuE2-3A{233}. pTtksuE2. (3A,3B,3D)(4B,4D)(5A).
XksuE2-3D{448}[4],{233}. pTtksuE2{448}. (3A,3B,3D)(4B,4D)(5A).
XksuE3-3B{154}. [*XksuE3b-3B*{154}]. pTtksuE3{448}.
   (1A)(2A,2B,2D)(3A,3B)(4A)(6A,6D)(7A,7D,7D.4).
XksuE3b-3B 27.08. (2D)(3B)(4A).
XksuF34-3D{448}][4], {233}[1]. [*XksuF34(A)3D*{448}]. pTtksuF34{448}. (3B,3D). The arm location of *XksuF34-3D* in *Ae. tauschii* was not reported in {448}.

XksuG13-3A{233}. pTtksuG13. (3A,3B,3D).
XksuG13-3B{233}. pTtksuG13. (3A,3B,3D).
XksuG13-3D{233}. pTtksuG13. (3A,3B,3D).
XksuG30-3B{154}. [*XksuG30a-3B*{154}]. pTtksuG30{448}.
    (1A)(2D)(3B)(4A)(5A)(6A,6B).
XksuG30a-3B 10.98. (3B).
XksuG53-3A{233}. pTtksuG53{448}. (3A,3B,3D).
XksuG53-3B{1061}. 15.14. pTtksuG53{448}. (3A,3B,3D).
XksuG53-3D{410},{9926}[4]. pTtksuG53{448}. (3A,3B,3D).
XksuI32-3A{233}[1]. pTtksuI32{448}. (3A,3D.1,3D.2).
XksuI32-3D.1{448}[4],{233}[1]. [*XksuI32(A)-3D*{448}]. pTtksuI32{448}. (3A,3D.1,3D.2).
    The arm location of *XksuI32-3D* in *Ae. tauschii* was not reported in {448}.
XksuI32-3D.2{448}[4],{233}[1]. [*XksuI32(B)-3D*{448}]. pTtksuI32{448}. (3A,3D.1,3D.2).
    The arm location of *XksuI32-3D* in *Ae. tauschii* was not reported in {448}.
Xku683-3A 18.47. (3A).
XM21P76-3B.3 5.34. (1A.5)(3B.3)(4A.4)(7A.12,7A.13,7A.6,7B.9).
XM60P64-3B.11 32.04. (1A.8)(2A.6)(3B.11,3B.13)(4A.1,4A.10)(5A.4)(6A.2).
XM62P64-3B.7 20.16. (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7A.8,7B.11,7B.2,7B.9,7D.6).
XM65P64-3D.6 3.17. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7A.2a,7B.2).
XM71P77-3D.4 3.17. (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).
XM83P65-3B.10 33.83. (1A.1)(2A.2)(3B.10,3D.9)(7A.4,7B.7).
XM60964-3B.5a 39.75. (3B.5a).
Xmgb77-3A{9959}[2]. MGB77. (3A).
Xmgb228-3A{9959}[2]. MGB228. (3A).
Xmsu1-3B{0076}. XJ5U/XJ5R. (3B).
Xmsu2-3B{0076}. XJ26U/XJ26R. (3B).
Xmsu3-3B{0076}. XJ28U/XJ28R. (3B).
Xmtd120-3D{154}. MTD120{629}. (3D).
Xmwg11a-3A 30.78. (3A,3B).
Xmwg11b-3A{1061}. 53.9. MWG11{467}. (3A,3B,3D).
Xmwg12a-3A 33.11. (3A).
Xmwg12b-3A 55.06. (3A).
Xmwg14-3A{1061}. 55.9. MWG14{467}. (3A).
Xmwg22-3A{1061}. MWG22{467}. (3A,3A.1,3D,3D.2).
Xmwg22-3A.1 67.37. (3A,3A.1,3D,3D.2).
Xmwg22-3D{1061}. MWG22{467}. (3A,3A.1,3D,3D.2).
Xmwg22-3D.2 54.45. (3A,3A.1,3D,3D.2).
Xmwg584-3A{282}[3]. MWG584{467}. (1A,1B,1D,1D.1,1D.2)(3A)(4A.1,4A.2)(5D).
    Mapping of the same 3A^m and 4A^m loci with ABG460 and MWG584 was reported in {282}.
Xmwg813-3A{282}[3]. MWG813{467}. (3A)(4A)(6A).
Xmwg2021-3A{282}[3]. MWG2021{467}. (1A.1,1A.2,1B.1,1B.2,1D)(2A)(3A).
XMXE8M3m-3B 8.8. (3B).
Xopa10-500-3B 45.45. (3B).
XP31M57-2-3A 18.2. (3A).
XP32M59-7-3A 60.58. (3A).
XP34M51-67-3B 40.85. (3B).
XP35M55-6-3A 52.18. (3A).
XP35M50-1-3A 53.15. (3A).
XP35M61-8-3B 46.51. (3B).
XP36M53-134-3A 54.8. (3A).
XP36M54-6-3A 19.02. (3A).

XP37/M53-3-3A 63.34. (3A).
XP37/M39-4-3A 71.87. (3A).
XP37/M58-165-3A 33.55. (3A).
XP37M58-3-3A 43.82. (3A).
XP38M61-4-3B 25.78. (3B).
XP39M49-377-3A 19.02. (3A).
XP40M54-3-3B 44.82. (3B).
XP41/M41-4-3A 39.4. (3A).
XP41/M40-1-3A 67.19. (3A).
XP41/M391-3B 40.85. (3B).
XP41M61-1-3A 17.38. (3A).
XP42M50-1-3A 59.07. (3A).
XP42M49-2-3A 65.26. (3A).
XP78M43-3B.11 6.49.
   (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
XP78M59-3B.2 7.94. (2B.1)(3B.2,3D.3)(4A.6)(7A.5,7B.7).
XP78M69-3B.2 45.03. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B)(7A.1).
XP78M69-3B.5 17.43. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B)(7A.1).
XP78M87-3B.2 32.04. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
XP78M92-3B.3 2.15. (1B.2)(2A.10)(3B.0,3B.3,3B.5).
XPc-A12a-3B 45.51. (3B).
Xppc-3A{1094}. pM52/SE3. (3A,3B,3D*).
Xppc-3B{1094}. pM52/SE3. (3A,3B,3D*).
Xppc-3D*{1094}. pM52/SE3. (3A,3B,3D*).
Xpsp2152(Tel)-3B.3{888}. PSP2153F.1/PSP2152Ra. (2B.1,2D.1)(3B.3)(4B.12,4B.9)(5D.2).
Xpsp3030-3B{151,1425}. PSP3030F/PSP3030R. (2B)(3B,3B.1)(4B,4B.2).
Xpsp3030-3B.1 38.64. (2B)(3B,3B.1)(4B,4B.2).
Xpsp3144-3B{151,1425}. 43.75. PSP3144F/PSP3144R. (3B).
Xpsr123-3A{1329}. PSR123. (3A,3B,3D).
Xpsr123-3B{1329}. PSR123. (3A,3B,3D).
Xpsr123-3D{1329}. PSR123. (3A,3B,3D).
Xpsr305-3A{250}. PSR305. (1B)(3A,3B,3D).
Xpsr305-3B{250}. PSR305. (1B)(3A,3B,3D).
Xpsr305-3D{250}. PSR305. (1B)(3A,3B,3D).
Xpsr311-3A {0242}. PSR311. (3A)(7A,7B,7D).
Xpsr311B-3A 20.07. (3A).
Xpsr345-3B.1 7. (3B.1).
Xpsr375-3B.5 18.37. (1A)(3B.5)(4A,4B,4B.4,4D,4D.1)(5B,5D,5D.3).
Xpsr383-3A{250}. PSR383. (3A,3B,3D).
Xpsr383-3B{250}. PSR383. (3A,3B,3D).
Xpsr383-3D{250}. PSR383. (3A,3B,3D).
Xpsr547-3B{1234,410}. PSR547. (1D)(3B)(7A,7B,7D).
Xpsr567-3B.2 18.37. (3B.2)(4A,4B,4D)(5A,5B,5D,5D.1)(7B).
Xpsr598-3A{250}. 63.34. PSR598. (3A,3B,3D).
Xpsr598-3B{250}. PSR598. (3A,3B,3D).
Xpsr598-3D{250}. PSR598. (3A,3B,3D).
Xpsr689-3A{247}. PSR689. (3A,3B,3D).
Xpsr689-3B{247}. 43.21. PSR689. (3A,3B,3D).
Xpsr689-3D{247}. PSR689. (3A,3B,3D).
Xpsr902-3A{250}. PSR902. (3A,3B,3D).
Xpsr902-3B{250}. PSR902. (3A,3B,3D).

Xpsr902-3D{250}. PSR902. (3A,3B,3D).
Xpsr903-3A{250}. PSR903. (2D)(3A,3B,3D)(5D).
Xpsr903-3B{250}. 45.51. PSR903. (2D)(3A,3B,3D)(5D).
Xpsr903-3D{250}. PSR903. (2D)(3A,3B,3D)(5D).
Xpsr903a-3A 65.54. (3A).
Xpsr903b-3A 70. (3A).
Xpsr907-3B{250}. PSR907. (3B).
Xpsr909-3A{247}. PSR909. (3A,3B,3D).
Xpsr909-3B{247}. PSR909. (3A,3B,3D).
Xpsr909-3D{247}. PSR909. (3A,3B,3D).
Xpsr910-3A{247}. PSR910. (3A,3B,3D).
Xpsr910-3B{247}. PSR910. (3A,3B,3D).
Xpsr910-3D{247}. PSR910. (3A,3B,3D).
Xpsr913-3B 7.47. (3B)(7A,7B,7D).
Xpsr926-3A{233}. PSR926. (3A,3B,3D).
Xpsr926-3B{233}. PSR926. (3A,3B,3D).
Xpsr926-3D{233}. PSR926. (3A,3B,3D).
Xpsr930-3A{247}. 63. PSR930. (3A,3B).
Xpsr930-3B{247}. PSR930. (3A,3B).
Xpsr946-3A{282}[3]. PSR946{410}. (1D)(2D)(3A)(5D)(7A.1,7A.2,7D.1,7D.2,7D.3).
Xpsr1060-3A{247,190}. PSR1060. (3A,3B,3D).
Xpsr1060-3B{247,190}. PSR1060. (3A,3B,3D).
Xpsr1060-3D{247,190}. PSR1060. (3A,3B,3D).
Xpsr1196-3A{190,247}. PSR1196. (3A,3B,3D).
Xpsr1196-3B{190,247}. PSR1196. (3A,3B,3D).
Xpsr1196-3D{190,247}. PSR1196. (3A,3B,3D).
Xpsr1200-3A{0031}. PSR1200. (2A,2B,2D)(3A).
Xpsr1327-3B{0031}. [*Xpsr1327a-3B*{0031}]. PSR1327. (1A,1D)(3B)(4A)(5D).
Xpsr2152(Tel)-3B.2{888}. PSR2152. (2D.1)(3B.2).
Xrgc30-3A{739}. RGC30. (3A,3B,3D).
Xrgc30-3B{739}. RGC30. (3A,3B,3D).
Xrgc30-3D{739}. RGC30. (3A,3B,3D).
Xrgc146-3A{739}. RGC146. (3A,3B,3D).
Xrgc146-3B{739}. RGC146. (3A,3B,3D).
Xrgc146-3D{739}. RGC146. (3A,3B,3D).
Xrgc970-3A{0031}. [*Xrgc970b-3A*{0031}]. RGC970. (3A,3B).
Xrgc970-3B{0031}. [*Xrgc970a-3B*{0031}]. RGC970. (3A,3B).
Xscu3H03-3B 35.19. (3B).
Xsfr2(Lrk10)-3B{0031}. [*Lrk10-3B*{0031}]. Lrk10. (1A,1B,1D)(3B,3D).
Xsfr2(Lrk10)-3D{0031}. [*Lrk10-3D*{0031}]. Lrk10. (1A,1B,1D)(3B,3D).
Xsun2-3A.2 17.38. (3A.2).
Xtam5-3A{245}. TAM5. (3A,3B,3D).
Xtam5-3B{245}. TAM5. (3A,3B,3D).
Xtam5-3D{245}. TAM5. (3A,3B,3D).
Xtam12-3A{245}. [*Xth12-3D*{9929}]. TAM12. (3A,3B,3D).
Xtam12-3B{245}. [*Xth12-3D*{9929}]. TAM12. (3A,3B,3D).
Xtam12-3D{245}. [*Xth12-3D*{9929}]. TAM12. (3A,3B,3D).
Xtam19-3A{245}. TAM19. (3A,3B,3D).
Xtam19-3B{245}. TAM19. (3A,3B,3D).
Xtam19-3D{245}. TAM19. (3A,3B,3D).
Xtam47-3A.1 31.2. (3A,3A.1,3B,3B.2,3D).

Xtam47-3B{1061}. TAM47{245}. (3A,3A.1,3B,3B.2,3D).
Xtam47-3B.2 23.25. (3A,3A.1,3B,3B.2,3D).
Xtam55-3A{245}. [*Xth55-3D*{9929}]. TAM55. (3A,3D).
Xtam55-3D{245}. [*Xth55-3D*{9929}]. TAM55. (3A,3D).
Xtam56-3A{245}. TAM56. (3A,3B,3D).
Xtam56-3B{245}. TAM56. (3A,3B,3D).
Xtam56-3D{245}. TAM56. (3A,3B,3D).
Xtam61-3A{245}. TAM61. (3A,3A.2,3B,3B.1,3D).
Xtam61-3A.2 33.6. (3A,3A.2,3B,3B.1,3D).
Xtam61-3B{245}. TAM61. (3A,3A.2,3B,3B.1,3D).
Xtam61-3B.1 27.86. (3A,3A.2,3B,3B.1,3D).
Xtam61-3D{245}. TAM61. (3A,3A.2,3B,3B.1,3D).
Xtam63a-3A 38.12. (3A).
Xtam65-3B{245,1061}. TAM65. (1B)(2A)(3B)(4A)(7A,7D).
Xtam73-3A{245}. TAM73. (3A,3B,3D).
Xtam73-3B{245}. TAM73. (3A,3B,3D).
Xtam73-3D{245}. TAM73. (3A,3B,3D).
Xttu1934(Hsp16.9b)-3A{281}[3]. pTaHSP16.9b{1569}. (3A)(5A).
Xttu1935(Hsp17.3)-3A{410}. pTaHSP17.3{1568}. (3A,3B,3D).
Xttu1935(Hsp17.3)-3B{410}. pTaHSP17.3{1568}. (3A,3B,3D).
Xttu1935(Hsp17.3)-3D{410}. pTaHSP17.3{1568}. (3A,3B,3D).
Xutv103-3A{9959}[2]. UTV3. (3A,3B).
Xutv103-3B{9959}[2]. UTV3. (3A,3B).
Xutv135-3B {0269}[2]. UTV135. (1A)(3B)(4B).
XWB068j-3B 31.1. (3B).
XWB075j-3B 7. (3B).
XWB133j-3B 7. (3B).
XWB147j-3B 7. (3B).
XWC0035q-3D 1.61. (3D).
XWC2163ea-3A 63. (3A).
XWD173q-3D 18. (3D).
Xwmc11-3A{0242}. [*Xwmc011-3A*{0242}]. 22.79. WMC 11F/WMC 11R. (3A).
Xwmc11a-3D 23.55. (3D).
Xwmc43-3B{0242,0348}. [*Xwmc043-3B*{0242}]. WMC 43F/WMC 43R. (3B,3D).
Xwmc43-3D{0348}. WMC 43F/WMC 43R. (3B,3D).
Xwmc43a-3D 42.82. (3D).
Xwmc43b-3B 23.01. (3B).
Xwmc050-3A 52.73. (3A).
Xwmc54-3B 23.01. (3B).
Xwmc69-3B.1 39.66. (2A.2)(3B.1).
Xwmc78-3B 29.55. (3B).
Xwmc85-3B.2 34.77. (1D)(3B.2).
Xwmc169-3A{153,0238}. 67.19. WMC 169F/WMC 169R. (3A).
Xwmc231-3B 43.18. (3B).
Xwmc334-3B{0242}. 44.82. WMC 334F/WMC 334R. (3B).
Xwmc366-3B 38.64. (3B).
Xwmc418-3B 45.34. (3B,3D).
Xwmc471-3B 44.77. (3B).
Xwmc500b-3B 20.17. (3B).
Xwmc505d-3D 55.67. (3D).
Xwmc529-3D 52.55. (3D).

Xwmc533a-3D 54.7. (3D).
Xwmc540a-3B 48. (3B).

8. Group 3L

M17/P65-3B.2 89.06. (1B.1)(3B.2).
M17/P77-3A.12 94.15. (1A.15)(3A.12).
M60/P64-3B.13 58.15. (1A.8)(2A.6)(3B.11,3B.13,3B.5a)(4A.1,4A.10)(5A.4)(6A.2).
M67/P77-3B.3 53.85. (1B.5)(3B.3)(4A.6)(7B.2).
M71/P77-3A.1 104.72. (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).
M77/P64-3B.1 59.55. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
M77/P64-3B.5 52.91. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
M83/P65-3D.9 80.49. (1A.1)(2A.2)(3B.10,3D.9)(7B.7).
M86/P65-3B.4 59.55. (2B.1,2D.3)(3B.4)(6B.5)(7B.0).
P31/M50-3-3B 68.46. (3B).
P32/M36-1-3B 66.16. (3B).
P32/M37-2-3B 80.01. (3B).
P32/M37-4-3B 80.01. (3B).
P32/M37-5-3B 80.01. (3B).
P32/M59-11-3B 66.16. (3B).
P34/M48-5-3B 52. (3B).
P34/M50-10-3B 52. (1B)(3B).
P34/M50-5-3B 65.32. (3B)(4A).
P35/M37-7-3B 65.32. (3B).
P35/M37-9-3B 65.32. (3B).
P35/M50-3-3D 89.97. (3D).
P35/M54-5-3A 83.34. (3A).
P35/M61-8-3B 49. (3B).
P36/M35-1-3B 63.95. (3B).
P36/M48-6-3B 52. (3B).
P37/M39-4-3A 75. (3A).
P37/M53-4-3B 64.4. (3B).
P38/M42-4-3B 67.39. (3B).
P39/M50-3-3B 68.99. (3B).
P39/M50-4-3B 64.4. (3B).
P40/M60-3-3B 73.74. (3B).
P41/M48-4-3B 63.49. (3B).
P42/M49-3-3A 83.34. (3A).
P78/M9-3B.6 60.49. (3B.6).
P78/M43-3D.13 86.88.
   (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
P78/M49-3D.5 75.66. (3D.5)(4A.6)(5B.3)(7B.2).
P78/M59-3D.3 90.57. (2B.1)(3B.2,3D.3)(4A.6)(7B.7).
P78/M69-3A.3 104.35. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B).
P78/M69-3A.8 104.72. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B).
P78/M69-3B.7 78.72. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B).
P78/M92-3B.0 60.49. (1B.2)(2A.10)(3B.0,3B.3,3B.5).
P78/M92-3B.5 60.96. (1B.2)(2A.10)(3B.0,3B.3,3B.5).
Xabc166-3A{282}[3]. ABC166{664}. (3A).
Xabc172-3A.1{1061}. ABC172{664}. (3A.1,3A.2,3D).
Xabc172-3A.2{1061}. ABC172{664}. (3A.1,3A.2,3D).
Xabc172-3D{0173}. ABC172{664}. (3A.1,3A.2,3D).

Xabc172a-3D 115.15. (3A,3D).

Xabc172c-3A 100.08. (3A).

Xabc174-3A{9961}. ABC174{664}. (3A,3B,3D).

Xabc174-3B{1061}. ABC174{664}. (3A,3B,3D).

Xabc174-3D{1061}. ABC174{664}. (3A,3B,3D).

Xabc174a-3B 71.74. (3B).

Xabc174b-3D 107.94. (3D).

Xabc176-3D{1061}. 71.95. ABC176{664}. (3D).

Xabcp174-3B{0087}. ABC174 3f/ABC174 1r. (3B).

Xabg4-3A{282}[3]. ABG4{664}. (3A).

Xabg55-3A{282}[3]. ABG55{664}. (1A.1,1A.2)(3A)(4A)(5A). Mapping of the same 1A[m], 3A[m], 4A[m], and 5A[m] loci with ABG55 and ABG387 was reported in {282}.

Xabg75-3B{0242}. ABG75. (3B)(7A,7D).

Xabg377-3A{282}[3]. ABG377{664}. (3A)(6D).

Xabg387-3A{282}[3]. ABG387{664}. (1A.1,1A.2,1B,1D)(3A)(4A)(5A)(6A,6B). Mapping of the same 1A[m], 3A[m], 4A[m], and 5A[m] loci with ABG387 and ABG55 was reported in {282}.

Xabg389-3A{9961}. ABG389{664}. (3A).

Xabg396-3A 79.92. (3A).

XATPase-3A{1061}. cNP5,Clone 'cNP5' was obtained from Nam Chua{1057}. (1D)(3A,3A.2,3B.1,3B.2).

XATPase-3A.2 82.47. (1D)(3A,3A.2,3B.1,3B.2).

XATPase-3B.2{1061}. Clone 'cNP5' was obtained from Nam Chua{1057},cNP5. (1D)(3A,3A.2,3B.1,3B.2).

Xbarc6-3D 67.46. (3D).

Xbarc7-3B 70.58. (2B)(3B).

Xbarc25-3A 84.21. (3A).

Xbarc42-3D 75.41. (3D).

Xbarc45-3A 73. (3A).

Xbarc84-3B 64.98. (3B).

Xbarc164-3B 54.65. (3B).

Xbarc197-3A.1 113.13. (3A.1)(5A.2).

Xbarc270-3D 109.68. (3D).

Xbarc314-3A 110.11. (3A).

Xbarc323-3D 114.12. (3D).

Xbarc344-3B 56.87. (3B).

Xbc1380-3B.2 49.51. (3B.2).

Xbcd15-3B{0078}[2]. BCD195. (3A,3A.1,3B)(4A,4B,4D,4D.1).

Xbcd21-3B 65.06. (1B)(3B)(5A,5D)(6A,6B,6D).

Xbcd22-3A{0242}. 90.04. BCD22{545}. (1A,1B,1D)(3A).

Xbcd22a-3D{1061}. 92.11. (3D).

Xbcd115-3A{1061}. [*XcnlBCD452-3D*{862}]. 89.67. BCD115{545}. (3A,3B,3D).

Xbcd115-3D{862}. [*XcnlBCD452-3D*{862}]. BCD115{545}. (3A,3B,3D).

Xbcd115-3B{0269}[2]. [*XcnIBCD452-3D*{862}]. BCD115{545}. (3A,3B,3D).

Xbcd131-3A{410}. BCD131{545}. (3A,3B,3D).

Xbcd131-3B{410}. 80.01. BCD131{545}. (3A,3B,3D).

Xbcd131-3D{410}. BCD131{545}. (3A,3B,3D).

Xbcd134-3D{1061}. 69.44. BCD134{545}. (3D).

Xbcd141-3B{1061}. 63.49. BCD141{545}. (3B).

Xbcd147-3B{1061}. 62.65. BCD147{545}. (3B).

Xbcd187-3B{0078}. BCD187. (3B).

Xbcd195-3A{0269}[2]. BCD195. (3A,3B).

Xbcd195-3B{0078}[1]. BCD195. (3A,3B).
Xbcd288-3D{1061}. 79.85. BCD288{545}. (3D).
Xbcd358-3A{154}. 155.07. BCD358{545}. (3A).
Xbcd361-3D{1061}. 106.92. BCD361{545}. (3D).
Xbcd366-3A{1061}. 80.26. BCD366{545}. (3A).
Xbcd372-3A{1061}. BCD372{545}. (1B,1D)(3A,3A.1,3D).
Xbcd372-3A.1 107.55. (1B,1D)(3A,3A.1,3D).
Xbcd372-3D{1061}. BCD372{545}. (1B,1D)(3A,3A.1,3D).
Xbcd372b-3D 93.08. (3D).
Xbcd451-3A{1061}. BCD451{545}. (3A,3B,3D).
Xbcd451-3D{862}. [*XcnlBCD451-3D*{862}]. 121.28. BCD451{545}. (3A,3B,3D).
Xbcd451-3B{0242}. BCD451{545}. (3A,3B,3D).
Xbcd452-3A 88.51. (3A).
Xbcd515-3D{1061}. 93.9. BCD515{545}. (3D).
Xbcd809-3B{1061}. BCD809{545}. (3B).
Xbcd809b-3B 52.78. (3B).
Xbcd828-3A{1061}. 80.5. BCD828{545}. (2D)(3A).
Xbcd907b-3D 90.12. (3D)(7A,7B).
Xbcd941-3A{0175}. BCD941. (3A).
Xbcd1127-3A 76.32. (3A).
Xbcd1145a-3A 75. (3A).
Xbcd1145b-3A 97.22. (3A).
Xbcd1283-3B.1 52. (3B.1).
Xbcd1380-3B.1{1061}. BCD1380{545}. (3B.1,3B.2).
Xbcd1380-3B.2{1061}. BCD1380{545}. (3B.1,3B.2).
Xbcd1380b-3B 52. (3B).
Xbcd1418-3B{1061}. BCD1418{545}. (3B).
Xbcd1418b-3B 55.76. (3B).
Xbcd1431-3A.1 115.57. (3A.1)(4D.1,4D.2).
Xbcd1555-3B{1061}. 62.76. BCD1555{545}. (3B,3D).
Xbcd1555-3D{1061}. BCD1555{545}. (3B,3D).
Xbcd1555a-3D 93.27. (3D).
Xbcd1773-3A{1061}. BCD1773{545}. (3A).
Xbcd1773b-3A 109.41. (3A).
Xbcd2044-3A{1061}. 90.02. BCD2044{545}. (3A).
Xbcdp131-3D{0087}. BCD131 1f[*]/BCD 1r. (3D). Note : In order to get a 3D-specific amplicon, the BCD131 1f primer was modified by removing the 5' T and adding a C at the 3' end {0087}.
Xbg131-3B{1061}[1]. 81.32. BG131. (3B,3D).
Xbg131-3D{9926}[4]. BG131. (3B,3D).
XbgxG305-3D 67.56. (3D).
Xcd1283-3B.1 50.1. (3B.1).
Xcdo54-3A{1061}. 74. CDO54{545}. (3A).
Xcdo105-3B{1061}. 83.37. CDO105{545}. (1A,1B,1D)(3B).
Xcdo113-3A{154}. 137.46. CDO113{545}. (3A).
Xcdo118-3A{1061}. 81.89. CDO118{545}. (3A).
Xcdo127-3A.1{282}[3]. CDO127{028}. (1A,1B,1B.1,1B.2,1D)(3A.1,3A.2).
Xcdo127-3A.2{282}[3]. CDO127{028}. (1A,1B,1B.1,1B.2,1D)(3A.1,3A.2).
Xcdo189-3A{282}[3]. CDO189{028}. (3A)(4A,4B,4D).
Xcdo251-3B{0078}. CDO251. (3B).
Xcdo281-3A{1061}. 86.42. CDO281{545}. (3A).

Xcdo328-3B{1061}. 50. CDO328{545}. (3B).
Xcdo394-3D{862}. [*XcnlBCD394*{862}]. BCD394{028,862}. (3D).
Xcdo482-3B{0242}. [*XcnICDO482-3D*{862}]. CDO482{545}. (3A,3B,3D).
Xcdo482-3D{862}. [*XcnlCDO482-3D*{862}]. 119.44. CDO482{545}. (3A,3B,3D).
Xcdo534-3A{0269}[2]. CDO534. (1B.1,1B.2)(3A)(6A,6B,6D)(7A).
Xcdo549c-3D 100.8. (3D).
Xcdo583-3B{1061}. CDO583{545}. (1B)(3B).
Xcdo583b-3B 57.98. (3B).
Xcdo718-3A{0242}. CDO718{545}. (3A,3B).
Xcdo718-3B{1061}. 58.01. CDO718{545}. (3A,3B).
Xcdo718b-3A 76.58. (3A).
Xcdo1174-3A{1061}. 80.96. CDO1174{545}. (3A).
Xcdo1406-3D{1061}. 76.65. CDO1406{545}. (3D).
Xcfa2134-3A 101.01. (3A).
Xcfa2164b-3A 107.38. (3A).
Xcfa2193-3A 170.67. (3A).
Xcfa2234-3A 107.38. (3A).
Xcfa2262b-3A 83.1. (3A).
Xcfd2d-3D 59.64. (3D).
Xcfd4a-3D 64.18. (3D).
Xcfd9-3D{0349}. 103.29. CFD 9F/CFD 9R. (3D).
Xcfd127-3D 94.67. (3D).
Xcfd152-3D 101.18. (3D).
Xcfd201-3D 95.49. (3D).
Xcfd211-3D 99.86. (3D).
Xcfd213a-3D 96.92. (3D)(6D).
Xcfd219b-3D 102.13. (3D).
Xcfd223-3D 99.37. (3D).
Xcn114-3D 89.54. (3D).
Xcnl2-3D{0059},{0060}. AC14F/AC14R. (3D)(7B,7B.1).
Xcnl2b-3D 109.9. (3D).
Xcnl3d-3B 54. (3B).
Xcnl4-3D{0031}. [*AC29*{0031}]. 114.7. AC29F/AC29R{0059}. (3D).
Xcnl5b-3D 85.31. (3D).
Xcnl14-3D 89.54. (3D).
Xcsc475(Tlp)-3A{247}. [*XTlp-3A*]. pHv14{176}. (3A,3B,3D).
Xcsc475(Tlp)-3B{247}. [*XTlp-3B*]. pHv14{176}. (3A,3B,3D).
Xcsc475(Tlp)-3D{247}. [*XTlp-3D*]. pHv14{176}. (3A,3B,3D).
Xcsiha258-3D{757}[1,4]. [*XcsIHA258-1*{758}]. csIHA258-1{757}. (3D).
XE5M5h-3A 159.18. (3A).
Xfba8-3B{1061}. 95.15. FBA00. (1D)(2A)(3B)(4B)(6A)(7D).
Xfba8Hb-3B 75.54. (3B).
Xfba027-3D 95.33. (3D).
Xfba27-3D{1061}. 110.66. FBA027. (3D).
Xfba133-3B{1061}. FBA133. (3B).
Xfba133a-3B 67.55. (3B).
Xfba133b-3B 100.63. (3B).
Xfba159-3D 81.09. (3D).
Xfba167-3A.1 98.61. (3A.1,3B).
Xfba167-3B{1061}. FBA167. (3A.1,3B).
Xfba167a-3B 75.84. (1D)(3B).

Xfba167b-3B 96.15. (3B).
Xfba171-3B{1061}. 75.88. FBA171. (3B).
Xfba175-3A{1061}. 75. FBA175. (3A)(6B.1,6B.2).
Xfba189b-3B 49. (3B).
Xfba213-3B{1061}. 51.51. FBA213. (3B,3D).
Xfba213-3D{154}. 64.17. FBA213. (3B,3D).
Xfba214-3B{1061}. 53. FBA214. (3B,3D).
Xfba214-3D{154}. 63.69. FBA214. (3B,3D).
Xfba217-3B{1061}. 92.41. FBA217. (3B).
Xfba220-3B{1061}. 53. FBA220. (3B).
Xfba235-3B{1061}. 94.04. FBA235. (3B).
Xfba242-3A{154}. 118.48. FBA242. (3A,3B).
Xfba242-3B{1061}. 58.01. FBA242. (3A,3B).
Xfba310-3B{1061}. FBA310. (2B,2B.1)(3B,3B.2,3D).
Xfba310-3B.2 84.53. (2B,2B.1)(3B,3B.2,3D).
Xfba310-3D{1061}. FBA310. (2B,2B.1)(3B,3B.2,3D).
Xfba310c-3D 106.41. (3D).
Xfba330-3D{1061}. 91.38. FBA330. (3D).
Xfba347-3A 112.43. (3A).
Xfba360-3B{1061}. 77.55. FBA360. (3B).
Xfba389-3D{1061}. 110.66. FBA389. (3D).
Xfbb023-3D 73.65. (3D).
Xfbb23-3D{1061}. 73.65. FBB023. (3D).
Xfbb110-3B 51. (3B).
Xfbb117-3B{1061}. FBB117. (3B,3B.1,3D.1,3D.2).
Xfbb117-3B.1 48. (3B,3B.1,3D.1,3D.2).
Xfbb117-3D.1{1061}. FBB117. (3B,3B.1,3D.1,3D.2).
Xfbb117-3D.2{1061}. FBB117. (3B,3B.1,3D.1,3D.2).
Xfbb117a-3D 104.16. (3D).
Xfbb147-3D{1061}. [*Xfbb147-3B*{1061}]. FBB147. (3B.1,3B.1,3D)(6A,6A.4).
Xfbb147b-3B 61.94. (3B).
Xfbb147e-3D 110.9. (3D).
Xfbb156b-3B 52. (3B)(6B).
Xfbb168-3B{1061}. 63.41. FBB168. (3B).
Xfbb177-3B{1061}. 54.08. FBB177. (3B).
Xfbb235-3B 51. (3B).
Xfbb237a-3D{1061}. 86.55. (1D)(3A,3D).
Xfbb237b-3D 116.57. (3A,3D).
Xfbb250-3A 116.85. (1D)(3A)(6B).
Xfbb260-3A 114.17. (1B,1D)(3A).
Xfbb269-3D{1061}. 111.03. FBB269. (3D).
Xfbb271-3A{1061}. 87.58. FBB271. (3A).
Xfbb274-3B{1061}. 67.39. FBB274. (2B,2B.1,2D)(3B).
Xfbb277-3A{1061}. FBB277. (3A,3A.2)(5B,5B.1).
Xfbb277-3A.2 84.91. (3A,3A.2)(5B,5B.1).
Xfbb283-3B{1061}. FBB283. (3B)(6A,6D).
Xfbb283c-3B 51.73. (3B).
Xfbb293-3A.1{1061}. 106.39. FBB293. (3A.1,3A.2,3B,3D).
Xfbb293-3A.2{1061}. FBB293. (3A.1,3A.2,3B,3D).
Xfbb293-3B{1061}. 85. FBB293. (3A.1,3A.2,3B,3D).
Xfbb293-3D 114.57. (3A.1,3A.2,3B,3D).

Xfbb293c-3A 109.18. (3A).
Xfbb316-3B{1061}. 92.48. FBB316. (3B,3D).
Xfbb316-3D{1061}. FBB316. (3B,3D).
Xfbb316a-3D 111.26. (3D).
Xfbb322b-3A 119.28. (3A)(4D).
Xfbb324-3D{1061}. 64.18. FBB324. (2B)(3D)(7B).
Xfbb332-3A{1061}. FBB332. (3A)(4A).
Xfbb332a-3A 76.78. (3A)(4A).
Xfbb348-3B{1061}. 53. FBB348. (3B).
Xfbb353-3A{1061}. FBB353. (2A,2A.2,2B)(3A,3A.1).
Xfbb353-3A.1 94.08. (2A,2A.2,2B)(3A,3A.1).
Xfbb378-3B{1061}. 66.29. FBB378. (3B).
Xgbx3864-3B{0354}. [*Xgbx3864a-3B*{0354}]. gbx3864. (3B,3D)(6A).
Xgbx3864-3D{9958}. [*Xgbx3864a-3D*{9958}]. 92.02. gbx3864. (3B,3D)(6A).
XgbxG34-3A{9958}. [*XgbxG034-3A*{9958}]. 83.75. gbxG034. (3A).
XgbxG37-3B{9958}. [*XgbxG037b-3B*{9958}]. 63.74. gbxG037. (3B)(5D)(7B).
XgbxG65-3B{9958}. [*XgbxG065-3B*{9958}]. 65.12. gbxG065. (3B,3D).
XgbxG65-3D{0354}. [*XgbxG065-3D*{0354}]. gbxG065. (3B,3D).
XgbxG111-3B{9958}. [*XgbxG111a-3B*{9958}]. gbxG111. (3B).
XgbxG147-3D{0354}. gbxG147. (3D)(4B).
XgbxG199-3B{9958}. 64.5. gbxG199. (3B).
XgbxG242-3A{9958}. 123.35. gbxG242. (3A).
XgbxG305-3A{0354}. gbxG305. (3A,3D).
XgbxG305-3D{9958}. 67.56, 73.91. gbxG305. (3A,3D).
XgbxG469-3B{9958}. 52. gbxG469. (3B).
XgbxG499-3A{9958}. 95.13. gbxG499. (3A).
XgbxG541-3D{0354}. gbxG541. (3B,3D)(5B).
XgbxG542-3D{9958}. [*XgbxG542b-3D*{9958}]. gbxG542. (1A)(2A)(3D)(4A).
XgbxG773-3A{0354}. gbxG773. (3A,3B).
XgbxG773-3B{9958}. 55.47. gbxG773. (3A,3B).
XgbxR187-3D{9958}. 86.55. gbxR187. (3D).
Xgdm8-3D{0173}. DMS F8/DMS R8. (3D).
Xgdm38-3D{0173}. DMS F38/DMS R38. (3D).
Xgdm128-3D{0173}. DMS F128/DMS R128. (3D).
Xgdm134-3A{0173}. DMS F134/DMS R134. (3A).
Xglk118-3A{822,0031}. pTag118. (3A). The arm location of *Xglk118-3A* was not reported
   in {822}.
Xglk577-3A{822,0031}. pTag577. (3A,3B,3D). The arm location of *Xglk577-3A* was not
   reported in {822}.
Xglk577-3B{1034}. pTag577. (3A,3B,3D). The arm location of *Xglk577-3B* was not
   reported in {1034}.
Xglk577-3D{1034}. pTag577. (3A,3B,3D). The arm location of *Xglk577-3D* was not
   reported in {1034}.
Xglk609-3A{233}. pTag609. (2B,2D)(3A).
Xglk645-3A{822,0031}. pTag645. (3A). The arm location of *Xglk645-3A* was not reported
   in {822}.
Xglk652-3A{0031}. [*Xglk652a-3A*{0031}]. pTag652. (1D)(3A,3B,3D).
Xglk652-3B{822}[1],{0031}. [*Xglk652b-3B*{822}]. pTag652. (1D)(3A,3B,3D). The arm
   location of *Xglk652-3B* was not reported in {822}.
Xglk652-3D{9926}[4]. pTag652. (1D)(3A,3B,3D).
Xglk718-3A{233,822}. [*Xglk718a*{822}]. pTag718. (3A,3B,3D).

Xglk718-3B{233,822}. [*Xglk718b*{822}]. pTag718. (3A,3B,3D).
Xglk718-3D{233}. pTag718. (3A,3B,3D).
Xglk2003(Bza1-1)-3B{0216}. [*Bza1-B1*{0216}]. IHBP-1a(1). (3B).
Xglk2006(Bzb-1)-3A{0216}. [*Bzb1-A1*{0216}]. IHBP-1b(c1). (3A,3B,3D).
Xglk2006(Bzb-1)-3B{0216}. [*Bzb1-B1*{0216}]. IHBP-1b(c1). (3A,3B,3D).
Xglk2006(Bzb-1)-3D{0216}. [*Bzb1-D1*{0216}]. IHBP-1b(c1). (3A,3B,3D).
Xgmw155-3A{9929}[1], {0269}[2]. WM F155/WMS R155. (3A).
Xgpw297b-3D 60.12. (3D).
Xgpw307-3D 114.7. (3D).
Xgpw333-3D 65.69. (3D).
Xgpw1062-3D 102.44. (3D).
Xgpw1146b-3D 64.18. (3D).
Xgpw1149-3D 103.37. (3D).
Xgpw1168-3D 64.7. (3D).
Xgpw1251a-3D 65.2. (3D).
Xgpw1251b-3D 92.7. (3D).
Xgpw2109-3A 89.29. (3A).
Xgpw2270-3A 113.11. (3A).
Xgwm3-3D{1226}. 97.39. WMS 3F/WMS 3R. (3D).
Xgwm3b-3D 100. (3D).
Xgwm4a-3B 73.54. (3B)(4A).
Xgwm4b-3D 108.28. (3D)(4A).
Xgwm52-3D{724}. 64.26. WMS 52F/WMS 52R. (3D).
Xgwm55-3B{0171}. [*Xgwm55c-3B*{0171}]. WMS F55/WMS R55. (2B,2B.1)(3B).
Xgwm107-3A.3 127.48. (3A.3,3B)(4B)(6B).
Xgwm108-3B{724}. 63.17. WMS 108F/WMS 108R. (3B).
Xgwm112-3B{9929}. 52. WMS F112/WMS R112. (3B)(7B).
Xgwm113-3B{0171}. [*Xgwm113b-3B*{0171}]. WMS F113/WMS R113. (3B)(4B).
Xgwm114-3B{9929}. 89.49. WMS F114/WMS R114. (3B,3D).
Xgwm114-3D{9929,0039}. WMS F114/WMS R114. (3B,3D). The arm location of
   Xgwm114-3D was reported incorrectly in {9929}.
Xgwm114b-3D 116.57. (3D).
Xgwm131-3B{9929}. WMS F131/WMS R131. (1B.1,1B.2)(3B,3B.2)(7B).
Xgwm131-3B.2 53.89. (1B.1,1B.2)(3B,3B.2)(7B).
Xgwm155-3A 118.43. (3A).
Xgwm162-3A{9929}. WMS F162/WMS R162. (3A)(4B.2).
Xgwm181-3B{9929}. 98.86. WMS F181/WMS R181. (3B).
Xgwm247-3A{0171}. [*Xgwm247b-3A*{0171}]. 116.85. WMS F247/WMS R247. (3A,3B).
Xgwm247-3B{9929}[1], {0269}[2]. 101.14. WMS F247/WMS R247. (3A,3B).
Xgwm273-3B{0171}. [*Xgwm273c-3B*{0171}]. WMS F273/WMS R273. (1B)(3A,3B).
Xgwm284-3B{9929}. 49. WMS F284/WMS R284. (3B).
Xgwm285b-3B 52.78. (3B).
Xgwm299-3B{9929}. 87.78. WMS F299/WMS R299. (3B).
Xgwm314-3D{9929}. 93.19. WMS F314/WMS R314. (3D).
Xgwm340-3A{0171}. [*Xgwm340b-3A*{0171}]. WMS F340/WMS R340. (3A,3B).
Xgwm340-3B{724}. 98.2. WMS 340F/WMS 340R. (3A,3B).
Xgwm341-3D{9929}. 64.88. WMS F341/WMS R341. (3D).
Xgwm383-3D{9929}. WMS F383/WMS R383. (3D).
Xgwm383a-3D 81.95. (3D).
Xgwm383b-3D 98.9. (3D).
Xgwm391-3A{9929}. 113.48. WMS F391/WMS R391. (3A).

Xgwm456-3D{9929}.   64.05.   WMS F456/WMS R456.   (3D).

Xgwm480-3A{9929}.   104.72.   WMS F480/WMS R480.   (3A).

Xgwm497-3A{0171}.   [*Xgwm497c-3A*{0171}].   WMS F497/WMS R497.
    (1A,1A.2)(2A)(3A,3D,3D.1)(5B)(6A.3).

Xgwm497-3D.1   63.74.   (1A,1A.2)(2A)(3A,3D,3D.1)(5B)(6A.3).

Xgwm533c-3B   51.94.   (3B).

Xgwm547-3B{9929}.   100.   WMS F547/WMS R547.   (2B)(3B).

Xgwm566-3B{9929}.   49.   WMS F566/WMS R566.   (3B).

Xgwm638-3A{0035}[2].   WMS F638/WMS R638.   (3A).

Xgwm645-3D{9929}.   81.09.   WMS F645/WMS R645.   (3D).

Xgwm664-3D{9929}.   79.85.   WMS F664/WMS R664.   (3D).

Xgwm666-3A.2{9929}.   [*Xgwm666.2-3A*{9929}].   WMS F666/WMS R666.
    (1A)(3A.1,3A.2)(5A)(7A,7A.3).

Xgwm666a-3A   79.67.   (3A).

Xgwm666b-3A   103.44.   (3A).

Xgwm705-3B{0030}.   WMS F705/WMS R705.   (3B).

Xgwm707-3D{0030}.   WMS F707/WMS R707.   (3D).

Xgwm720-3A{0030}.   WMS F720/WMS R720.   (3A).

Xgwm751-3A{0030}.   WMS F751/WMS R751.   (3A).

Xgwm802-3B{0030}.   WMS F802/WMS R802.   (3B).

Xgwm853-3B{0030}.   WMS F853/WMS R853.   (3B).

Xgwm888-3B.3   50.   (3B.3)(4B,4D.2).

XHak1-3A{9932}.   [*XHvHAK1-3A*{9932}].   HvHAK2{9932}.
    (2A,2D)(3A,3D)(4A,4B,4D)(6A,6B,6D).

XHak1-3D{9932}.   [*XHvHAK1-3D*{9932}].   HvHAK2{9932}.
    (2A,2D)(3A,3D)(4A,4B,4D)(6A,6B,6D).

Xksu909(Chi1)-3A{0091}.   [*Cht1a-3A*{0091}].   Chi-G11{0096}.   (2B)(3A).

Xksu933(Glb3)-3B{0266}.   SM289.   (3B,3D).

Xksu933(Glb3)-3D{0266}.   SM289.   (3B,3D).

Xksu934(Glb3)-3D{0266}.   SM638.   (3D).

XksuD19-3B{0078}.   pTtksuD19{448}.   (3A,3B,3D).

XksuD19-3D{1061}.   94.61.   pTtksuD19{448}.   (3A,3B,3D).

XksuE3-3A{282}[3].   pTtksuE3{448}.   (1A)(2A,2B,2D)(3A,3B)(4A)(6A,6D)(7A,7D,7D.4).

XksuE14-3D{1061}.   pTtksuE14{448}.   (3D)(6A,6B,6D).

XksuE14a-3D   108.84.   (3D).

XksuF34-3B{0152}[2].   [*XksuF34(A)3D*{448}].   60.66.   pTtksuF34{448}.   (3B,3D).   The arm
    location of *XksuF34-3D* in *Ae. tauschii* was not reported in {448}.

XksuG48-3B{233}[1].   [*XksuG48(B)-3D*{448}].   pTtksuG48{448}.   (3B,3D)(6A,6B,6D).

XksuG48-3D{448}[4],{410}[1].   [*XksuG48(B)-3D*{448}].   pTtksuG48{448}.
    (3B,3D)(6A,6B,6D).   The arm location of *XksuG48-3D* in *Ae. tauschii* was not reported in
    {448}.

XksuG59-3A{282}[3].   pTtksuG59{448}.   (3A).

XksuG59-3D{448}[4], {1061}[1].   103.18.   pTtksuG59{448}.   (3D).   The arm location of
    XksuG59-3D in *Ae. tauschii* was not reported in {448}.

XKSUG59-3B{0242}[1].   49.   pTtksuG59{448}.   (3B).

XksuG62-3A{233}[1].   pTtksuG62{448}.   (3A,3B,3D).

XksuG62-3B{233}[1].   60.29.   pTtksuG62{448}.   (3A,3B,3D).

XksuG62-3D{448}[4], {233}[1].   pTtksuG62{448}.   (3A,3B,3D).   Eight *XksuG62-3D* loci were
    reported in {9926}.

XksuH2-3A{1061}[1].   86.07.   pTtksuH2{448}.   (3A,3B,3D).

XksuH2-3B{233}[1].   pTtksuH2{448}.   (3A,3B,3D).

XksuH2-3D{448}[1,4], {233}[1]. pTtksuH2{448}. (3A,3B,3D). The arm location of *XksuH2-3D* in *Ae. tauschii* was not reported in {448}.
XksuH7-3A{233}. pTtksuH7{448}. (3A,3B,3D).
XksuH7-3B{1061}. 51. pTtksuH7{448}. (3A,3B,3D).
XksuH15-3A{233}[1]. pTtksuH15{448}. (3A,3B,3D).
XksuH15-3B{233}[1]. pTtksuH15{448}. (3A,3B,3D).
XksuH15-3D{448}[4], {1061}[1]. 98.42. pTtksuH15{448}. (3A,3B,3D). The arm location of *XksuH15-3D* in *Ae. tauschii* was not reported in {448}.
Xkvl912(Prp)-3A{0091}. [*Prp-3A*{0091}]. HvPRPb{00100}. (3A).
Xkvl914(Glb3)-3B.1{0091}. [*Glb3-3B.1*{0091}]. pBH72-I1{0092}. (3B.1,3B.2,3B.3,3B.4,3D).
Xkvl914(Glb3)-3B.2{0091}. [*Glb3-3B.2*{0091}]. pBH72-I1{0092}. (3B.1,3B.2,3B.3,3B.4,3D).
Xkvl914(Glb3)-3B.3{0091}. [*Glb3-3B.3*{0091}]. pBH72-I1{0092}. (3B.1,3B.2,3B.3,3B.4,3D).
Xkvl914(Glb3)-3B.4{0091}. [*Glb3-3B.4*{0091}]. pBH72-I1{0092}. (3B.1,3B.2,3B.3,3B.4,3D).
Xkvl914(Glb3)-3D{0091}. [*Glb3-3D*{0091}, *Glb3-3D*{0091}]. pBH72-I1{0092}. (3B.1,3B.2,3B.3,3B.4,3D).
Xlars10(taVp1)-3A{9961}. taVP1. (3A,3B,3D).
Xlars10(taVp1)-3B{9961}. taVP1. (3A,3B,3D).
Xlars10(taVp1)-3D{9961}. taVP1. (3A,3B,3D).
XM17P77-3A.12 94.15. (1A.15)(3A.12).
XM17P65-3B.2 89.06. (1B.1)(3B.2).
XM60P64-3B.13 58.15. (1A.8)(2A.6)(3B.11,3B.13)(4A.1,4A.10)(5A.4)(6A.2).
XM67P77-3B.3 53.85. (1B.5)(3B.3)(4A.6)(7A.4,7B.2).
XM71P77-3A.1 104.72. (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).
XM77P64-3B.5 52.91. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
XM77P64-3B.1 59.55. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
XM83P65-3D.9 80.49. (1A.1)(2A.2)(3B.10,3D.9)(7A.4,7B.7).
XM86P65-3B.4 59.55. (2B.1,2D.3)(3B.4)(6B.5)(7B.0).
Xmwg11a-3B 67. (3A,3B).
Xmwg11b-3B{1061}. 103.7. MWG11{467}. (3A,3B,3D).
Xmwg11b-3D 118.75. (3A,3B,3D).
Xmwg12-3A{1061}. MWG12{467}. (3A,3D).
Xmwg12-3D 116.01. (3A,3D).
Xmwg30-3A{1061}. MWG30{467}. (3A).
Xmwg30a-3A 87.08. (3A).
Xmwg30b-3A 109.88. (3A).
Xmwg41-3A{282}[3]. MWG41{467}. (2A)(3A).
Xmwg69-3B{1061}. 61.5. MWG69{467}. (3B).
Xmwg570-3A 127.06. (3A).
Xmwg571-3A{282}[3]. MWG571{467}. (3A).
Xmwg688-3D{1061}. 67.37. MWG688{467}. (3D).
Xmwg802-3A{1061}[1]. 81.31. MWG802{467}. (3A,3D).
Xmwg802-3D{9926}[4]. MWG802{467}. (3A,3D).
Xmwg818-3B{1061}. 55.84. MWG818{467}. (3B).
Xmwg961-3A{1061}. 91.18. MWG961{467}. (3A).
Xmwg2153-3A{0269}[2]. MWG2153. (3A).
Xopab9-300-3D 79.37. (3D).
Xopb8-550-3D 66.47. (3D).

Xopf3-960-3B 53. (3B).
Xopx-09-3A.2 91.84. (3A.2).
XP31M50-3-3B 68.46. (3B).
XP32/M36-1-3B 66.16. (3B).
XP32/M37-5-3B 80.01. (3B).
XP32/M37-2-3B 80.01. (3B).
XP32/M37-4-3B 80.01. (3B).
XP32M59-11-3B 66.16. (3B).
XP34/M50-10-3B 49.34. (3B).
XP34/M50-5-3B 65.32. (3B).
XP34M48-5-3B 49.34. (3B).
XP35/M37-7-3B 65.32. (3B).
XP35/M37-9-3B 65.32. (3B).
XP35M54-5-3A 83.34. (3A).
XP35M50-3-3D 89.97. (3D).
XP36/M35-1-3B 63.95. (3B).
XP36M48-6-3B 48.88. (3B).
XP37/M53-4-3B 64.4. (3B).
XP38/M42-4-3B 67.39. (3B).
XP39/M50-152-3A 75.24. (3A).
XP39/M50-4-3B 64.4. (3B).
XP39M50-3-3B 68.99. (3B).
XP40/M61-3-3A 74.53. (3A).
XP40/M60-3-3B 73.74. (3B).
XP41/M48-4-3B 63.49. (3B).
XP42M49-3-3A 83.34. (3A).
XP44/M61-4-3A 78.69. (3A).
XP78M9-3B.6 60.49. (3B.6).
XP78M43-3D.13 86.88.
  (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
XP78M49-3D.5 75.66. (3D.5)(4A.6)(5B.3)(7A.2a,7A.4,7A.7,7B.2).
XP78M59-3D.3 90.57. (2B.1)(3B.2,3D.3)(4A.6)(7A.5,7B.7).
XP78M69-3A.3 104.35. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B)(7A.1).
XP78M69-3A.8 104.72. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B)(7A.1).
XP78M69-3B.7 78.72. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B)(7A.1).
XP78M92-3B.0 60.49. (1B.2)(2A.10)(3B.0,3B.3,3B.5).
XP78M92-3B.5 60.96. (1B.2)(2A.10)(3B.0,3B.3,3B.5).
Xpsp2151-3B 93.63. (3B).
Xpsp3001-3B{1425}. PSP3001F/PSP3001R. (3B,3B.2)(7A.1,7A.2).
Xpsp3001-3B.2 97.16. (3B,3B.2)(7A.1,7A.2).
Xpsp3035-3B{151,1425}. PSP3035F/PSP3035R. (3B)(7D).
Xpsp3047-3A{151,1425}. 94.01. PSP3047F/PSP3047R. (3A).
Xpsp3078-3B{151,1425}. PSP3078F/PSP3078R. (3B)(4B)(7D).
Xpsp3081b-3B 54. (3B).
Xpsp3112-3B.1 52. (3B.1)(4D)(6B.2).
Xpsr56(Caa)-3A{250}[b]. [*Xpsr56-3A*{250}]. PSR56. (3A,3B,3D)(7A,7B,7D).
Xpsr56(Caa)-3B{250}[b]. [*Xpsr56-3B*{250}]. PSR56. (3A,3B,3D)(7A,7B,7D).
Xpsr56(Caa)-3D{250}[b]. [*Xpsr56-3D*{250}]. PSR56. (3A,3B,3D)(7A,7B,7D).
Xpsr74-3A{250}. PSR74. (3A,3B,3D).
Xpsr74-3B{250}. PSR74. (3A,3B,3D).
Xpsr74-3D{250}. PSR74. (3A,3B,3D).

Xpsr78-3A{250}. 131.14. PSR78. (1A,1B,1D)(3A,3B,3D).
Xpsr78-3B{250}. PSR78. (1A,1B,1D)(3A,3B,3D).
Xpsr78-3D{250}. PSR78. (1A,1B,1D)(3A,3B,3D).
Xpsr116(Pp)-3A{250}[b] . [*Xpsr116-3A*{250}]. PSR116. (3A,3B,3D).
Xpsr116(Pp)-3B{250}[b]. [*Xpsr116-3B*{250}]. PSR116. (3A,3B,3D).
Xpsr116(Pp)-3D{250}[b]. [*Xpsr116-3D*{250}]. PSR116. (3A,3B,3D).
Xpsr125-3A{250}. PSR125. (3A,3B,3D).
Xpsr125-3B{250}. PSR125. (3A,3B,3D).
Xpsr125-3D{250}. PSR125. (3A,3B,3D).
Xpsr138(Sbp)-3A{1392}. PSR138. (3A,3B,3D).
Xpsr138(Sbp)-3B{1392}. PSR138. (3A,3B,3D).
Xpsr138(Sbp)-3D{1392}. PSR138. (3A,3B,3D).
Xpsr156-3A 86.89. (3A,3B).
Xpsr156-3B 48. (3A,3B).
Xpsr156(L13)-3A{1329,1392}[b]. [*Xpsr156-3A*{1329,1392}]. PSR156. (3A,3B,3D).
Xpsr156(L13)-3B{1329,1392}[b]. [*Xpsr156-3B*{1329,1392}]. PSR156. (3A,3B,3D).
Xpsr156(L13)-3D{1329,1392}[b]. [*Xpsr156-3D*{1329,1392}]. PSR156. (3A,3B,3D).
Xpsr170(Fbpa)-3A{250}[b]. [*Xpsr170-3A*{250}]. PSR170. (3A,3B,3D)(5A,5B,5D).
Xpsr170(Fbpa)-3B{250}[b]. [*Xpsr170-3B*{250}]. PSR170. (3A,3B,3D)(5A,5B,5D).
Xpsr170(Fbpa)-3D{250}[b]. [*Xpsr170-3D*{250}]. PSR170. (3A,3B,3D)(5A,5B,5D).
Xpsr170a-3B 51. (3B,3D)(5B).
Xpsr170a-3D 89.62. (3B,3D)(5B).
Xpsr171(Gdd)-3A{1392}. PSR171. (3A,3B,3D).
Xpsr171(Gdd)-3B{1392}. PSR171. (3A,3B,3D).
Xpsr171(Gdd)-3D{1392}. PSR171. (3A,3B,3D).
Xpsr347-3A{250}. PSR347. (3A,3B,3D).
Xpsr347-3B{250}. PSR347. (3A,3B,3D).
Xpsr347-3D{250}. PSR347. (3A,3B,3D).
Xpsr354-3A{250}. PSR354. (3A,3B,3D).
Xpsr354-3B{250}. PSR354. (3A,3B,3D).
Xpsr354-3D{250}. PSR354. (3A,3B,3D).
Xpsr386-3B.4 79.18. (1A,1A.1)(2A)(3B,3B.4)(5A,5A.3)(7A,7A.2).
Xpsr388-3D{1271}. PSR388{256}. (2A,2B,2D)(3D).
Xpsr394-3A{250}. PSR394. (3A,3B,3D).
Xpsr394-3B{250}. PSR394. (3A,3B,3D).
Xpsr394-3D{250}. 58.02. PSR394. (3A,3B,3D).
Xpsr454-3B{250,497}. PSR454. (3B).
Xpsr543-3A{250}. PSR543. (3A,3B,3D).
Xpsr543-3B{250}. PSR543. (3A,3B,3D).
Xpsr543-3D{250}. PSR543. (3A,3B,3D).
Xpsr549-3A{250}. PSR549. (1A.1,1A.2)(2B)(3A)(5A).
Xpsr570-3A{250}. PSR570. (3A,3B,3D).
Xpsr570-3B{250}. PSR570. (3A,3B,3D).
Xpsr570-3D{250}. PSR570. (3A,3B,3D).
Xpsr578-3A{250}. PSR578. (3A,3B,3D).
Xpsr578-3B{250}. PSR578. (3A,3B,3D).
Xpsr578-3D{250}. PSR578. (3A,3B,3D).
Xpsr596-3A{0242}. [*Xpsr596b-3A*{0242}]. PSR596. (1A,1B,1D)(2B)(3A,3B).
Xpsr596-3B{0242}. [*Xpsr596a-3B*{0242}]. PSR596. (1A,1B,1D)(2B)(3A,3B).
Xpsr604-3B{0242}. [*Xpsr604-3B*{0242}]. PSR604. (3B)(4A)(7A,7D).
Xpsr649-3D{410}. PSR649{256}. (2A,2D)(3D).

Xpsr754-3A{247}. PSR754. (3A,3B,3D).
Xpsr754-3B{247}. PSR754. (3A,3B,3D).
Xpsr754-3D{247}. PSR754. (3A,3B,3D).
Xpsr804(Sbp)-3A{251,250}. [*XSbp-3A*]. S9.2{1188}. (2B.1,2B.2)(3A,3B,3D)(7B).
Xpsr804(Sbp)-3B{251,250}. [*XSbp-3B*]. S9.2{1188}. (2B.1,2B.2)(3A,3B,3D)(7B).
Xpsr804(Sbp)-3D{251,250}. [*XSbp-3D*]. S9.2{1188}. (2B.1,2B.2)(3A,3B,3D)(7B).
Xpsr833(Per)-3A{399}. [*XPer-3A*]. BP1{1198}. (3A,3B,3D*)(4A)(7A,7D*).
Xpsr833(Per)-3B{399}. [*XPer-3B*]. BP1{1198}. (3A,3B,3D*)(4A)(7A,7D*).
Xpsr833(Per)-3D*{399}. [*XPer-3D*]. BP1{1198}. (3A,3B,3D*)(4A)(7A,7D*).
Xpsr904-3A{250}. PSR904. (3A,3D)(6A,6D).
Xpsr904-3D{250}. 108.38. PSR904. (3A,3D)(6A,6D).
Xpsr916-3A{247}. PSR916. (3A,3B,3D).
Xpsr916-3B{247}. PSR916. (3A,3B,3D).
Xpsr916-3D{247}. PSR916. (3A,3B,3D).
Xpsr923-3A{247}. PSR923. (3A,3B,3D).
Xpsr923-3B{247}. PSR923. (3A,3B,3D).
Xpsr923-3D{247}. PSR923. (3A,3B,3D).
Xpsr931-3A{247}. PSR931. (3A,3B,3D).
Xpsr931-3B{247}. PSR931. (3A,3B,3D).
Xpsr931-3D{247}. PSR931. (3A,3B,3D).
Xpsr936-3A{0031}. PSR936. (3A).
Xpsr1067-3D{247,190}. PSR1067. (3D).
Xpsr1077-3A{247,190}. PSR1077. (3A,3B,3D).
Xpsr1077-3B{247,190}. PSR1077. (3A,3B,3D).
Xpsr1077-3D{247,190}. PSR1077. (3A,3B,3D).
Xpsr1149-3A{190}. PSR1149. (3A,3B,3D).
Xpsr1149-3B{190}. PSR1149. (3A,3B,3D).
Xpsr1149-3D{190}. PSR1149. (3A,3B,3D).
Xpsr1203-3A{247}[1]. PSR1203. (3A,3A.1,3D,3D.2).
Xpsr1203-3A.1 107.87. (3A,3A.1,3D,3D.2).
Xpsr1203-3D{9926}[4]. PSR1203. (3A,3A.1,3D,3D.2).
Xpsr1203-3D.2 90.01. (3A,3A.1,3D,3D.2).
Xpsr1205-3A{247}. PSR1205. (3A,3B,3D).
Xpsr1205-3B{247}. 69.69. PSR1205. (3A,3B,3D).
Xpsr1205-3D{247}. PSR1205. (3A,3B,3D).
Xpsr1923-3B{410}. PSR1923. (2B)(3B)(7B).
Xrgc112-3A{739}. RGC112. (3A,3B,3D).
Xrgc112-3B{739}. RGC112. (3A,3B,3D).
Xrgc112-3D{739}. RGC112. (3A,3B,3D).
Xrgc250-3A{410}. RGC250. (3A,3B,3D).
Xrgc250-3B{410}. RGC250. (3A,3B,3D).
Xrgc250-3D{410}. RGC250. (3A,3B,3D).
Xrsq805(Embp)-3B{248}. [*XEmbp-3B*]. pGC19{471}. (2B)(3B)(5A,5B,5D)(6A,6B)(7D).
XSsia-3B 79.51. (3B).
Xsun23-3A{0256}. SUN 23F/SUN 23R. (3A).
Xtam11-3A{245}. TAM11. (3A,3B,3D).
Xtam11-3B{245}. TAM11. (3A,3B,3D).
Xtam11-3D{245}. TAM11. (3A,3B,3D).
Xtam32-3A{245}. [*Xth32-3D*{9929}]. TAM32. (3A,3B,3D).
Xtam32-3B{245}. [*Xth32-3D*{9929}]. TAM32. (3A,3B,3D).
Xtam32-3D{245}. [*Xth32-3D*{9929}]. TAM32. (3A,3B,3D).

Xtam33-3A{245}. [*Xth33-3D*{9929}]. 91.3. TAM33. (3A,3B,3D). The arm location of *Xtam33-3A* was not determined in {245}.

Xtam33-3B{245}. [*Xth33-3D*{9929}]. TAM33. (3A,3B,3D). The arm location of *Xtam33-3B* was not determined in {245}.

Xtam33-3D{{245,9929}. [*Xth33-3D*{9929}]. TAM33. (3A,3B,3D). The arm location of *Xtam33-3D* was not determined in {245}.

Xtam47-3A{245}. TAM47. (3A,3A.1,3B,3B.2,3D).

Xtam47-3D{245}. TAM47. (3A,3A.1,3B,3B.2,3D).

Xtam48-3A{245}. TAM48. (3A,3B,3D).

Xtam48-3B{245}. TAM48. (3A,3B,3D).

Xtam48-3D{245}. TAM48. (3A,3B,3D).

Xtam63-3A{245}. TAM63. (3A,3B,3D).

Xtam63-3B{245}. TAM63. (3A,3B,3D).

Xtam63-3D{245}. TAM63. (3A,3B,3D).

Xtam63b-3A 96.64. (3A,3B).

Xtam63b-3B 85.82. (3A,3B).

Xtam72-3B{245}. TAM72. (2B,2B.3)(3B)(4A)(5B).

Xtav1933(Vdac3)-3A{410}. Tavdac3{332}. (3A,3B,3D).

Xtav1933(Vdac3)-3B{410}. Tavdac3{332}. (3A,3B,3D).

Xtav1933(Vdac3)-3D{410}. Tavdac3{332}. (3A,3B,3D).

Xubp20-3A{410}. pTdubp20. (3A,3B,3D).

Xubp20-3B{410}. pTdubp20. (3A,3B,3D).

Xubp20-3D{410}. pTdubp20. (3A,3B,3D).

Xubp22-3B{410}. pTdubp22. (1B.1,1B.2)(3B).

Xucd111(Esi48)-3A{282}[3]. [*XEsi48-3A*]. pESI48{472}. (3A,3B,3D).

Xucd111(Esi48)-3B{278}[1]. [*XEsi48-3A*]. pESI48{472}. (3A,3B,3D).

Xucd111(Esi48)-3D{278}[1]. [*XEsi48-3A*]. pESI48{472}. (3A,3B,3D).

Xucg2(Acc-2)-3A{0265}. [*Xucg2-3A*{0265}]. UCG2. (3A,3B,3D)(5D).

Xucg2(Acc-2)-3B{0265}. [*Xucg2-3B*{0265}]. UCG2. (3A,3B,3D)(5D).

Xucg2(Acc-2)-3D {0265}. [*Xucg2-3D*{0265}]. UCG2. (3A,3B,3D)(5D).

Xutv111-3B{9959}[2]. UTV111. (1B)(3B).

Xutv416-3A{9959}[2]. UTV416. (3A,3B).

Xutv416-3B{0269}[2]. UTV416. (3A,3B).

Xutv560-3A{9959}[2]. UTV560. (3A,3B.1,3B.2).

Xutv560-3B.1{0269}[2]. [*Xutv560a-3B*{0269}]. UTV560. (3A,3B.1,3B.2).

Xutv560-3B.2{0269}[2]. [*Xutv560b-3B*{0269}]. UTV560. (3A,3B.1,3B.2).

Xutv601-3A{0269}[2]. UTV601. (3A).

Xutv920-3A{0269}[2]. UTV920. (3A).

Xutv1055-3A{9959}[2]. UTV1055. (3A).

Xutv1151-3A{0269}[2]. UTV1151. (3A)(6A.1,6A.2).

Xutv1302-3A{9959}[2]. UTV1302. (3A).

Xutv1371-3B{0269}[2]. UTV1371. (3B)(4A)(7A).

Xutv1441-3B{0269}[2]. UTV1441. (1A)(2A)(3B)(4B)(5A)(6B).

Xutv1474-3A{0269}[2]. UTV1474. (3A).

Xutv1532-3A{9959}[2]. UTV1532. (3A).

XWB042q-3D 69.01. (3D).

XWB077j-3B 73.26. (3B).

XWB084j-3B 67.9. (3B).

XWC2234c-3A 94.15. (3A).

Xwg110-3A{410}. WG110{545}. (3A,3B,3D)(4B,4B.2).

Xwg110-3B{410}. WG110{545}. (3A,3B,3D)(4B,4B.2).

Xwg110-3D{410}. 97.94. WG110{545}. (3A,3B,3D)(4B,4B.2).
Xwg177-3A{1061}[1]. 86.42. WG177{545}. (3A,3D).
Xwg177-3D{9926}[4]. WG177{545}. (3A,3D).
Xwg184-3A 117.54. (1D)(2D)(3A)(4D)(5A).
Xwia483(Cxp1)-3A{250}. [*XCxp1-3A*]. pc.3{258}. (3A,3B,3D)(7D).
Xwia483(Cxp1)-3B{250}. [*XCxp1-3B*]. pc.3{258}. (3A,3B,3D)(7D).
Xwia483(Cxp1)-3D {250}. [*XCxp1-3D*]. pc.3{258}. (3A,3B,3D)(7D).
Xwia807(Glb33)-3A {247}. [*XGlb33-3A*]. p7E{1539}. (3A,3B,3D).
Xwia807(Glb33)-3B{247}. [*XGlb33-3B*]. p7E{1539}. (3A,3B,3D).
Xwia807(Glb33)-3D{247}. [*XGlb33-3D*]. p7E{1539}. (3A,3B,3D).
Xwia858(Glb35)-3B{247}. [*XGlb35-3B*]. G5{363}. (3B,3D).
Xwia858(Glb35)-3D{247}. [*XGlb35-3D*]. G5{363}. (3B,3D).
Xwia858.1 (Glb35)-3B 78.25. (3B).
Xwia858.1(Glb35)-3B 78.25. (3B).
Xwia858.2 (Glb35)-3D 87.57. (3D).
Xwia858.2(Glb35)-3D 87.57. (3D).
Xwmc43c-3B 50. (3B).
Xwmc153-3A{0348}. 97.78. WMC 153F/WMC 153R. (1D)(3A).
Xwmc236-3B{0242}. 90.23. WMC 236F/WMC 236R. (3B).
Xwmc264-3A{0348}. 83.34. WMC 264F/WMC 264R. (3A).
Xwmc269f-3A 82.5. (3A).
Xwmc286-3A.2 84.77. (1A.5)(3A.2)(7A.4).
Xwmc291-3B 55.4. (3B).
Xwmc322-3B{0348}. WMC 322F/WMC 322R. (3B)(7B).
Xwmc326-3B{0348}. 73.86. WMC 326F/WMC 326R. (3B).
Xwmc375-3D.1 59. (3D,3D.1).
Xwmc379-1-3A 76.58. (3A).
Xwmc388c-3A 80.52. (3A).
Xwmc418-3D 70.61. (3B,3D).
Xwmc428-3A{0242}. 84.77. WMC 428F/WMC 428R. (3A).
Xwmc435g-3D 59.56. (3D).
Xwmc489d-3A 80.81. (3A).
Xwmc505a-3B 49. (3B).
Xwmc527a-3B 50. (3B).
Xwmc527b-3A 83.07. (3A).
Xwsu4(Dor4)-3A{281}[3]. [*XDor4-3A*{281}]. pMA1949{1036}. (3A).

9. Group 3

Xabc158-3D{0354}. ABC158. (3D)(7A,7B).
Xabc310-3B{0354}. (3B)(4A)(5B,5B.1)(7A,7B).
Xabcp158-3D{339}. ABC158F/ABC158R. (1D)(3D)(6D).
Xabcp253-3B{339}. ABC253F/ABC253R. (1A)(3B)(4B,4D).
Xabcp309-3D{339}. ABC309F/ABC309R. (3D)(6A).
Xabcp602-3B{339}. ABC602F/ABC602R. (3B,3D).
Xabcp602-3D{339}. ABC602F/ABC602R. (3B,3D).
Xabg380-3D{9926}[4]. ABG380. (3D).
Xabgp378-3B{339}. ABG378F/ABG378R. (3B,3D).
Xabgp378-3D{339}. ABG378F/ABG378R. (3B,3D).
XAWM443-3D 57.92. (3D).
XbarpG10-3B{339}. BarG10F/BarG10R. (3B)(4B).
Xbcd1145-3A{1061}. BCD1145{545}. (3A).

Xbg542-3D{9926}[4]. BG542. (1D)(3D).
Xbg933-3D.1{9926}[4]. BG933. (3D.1,3D.2).
Xbg933-3D.2{9926}[4]. BG933. (3D.1,3D.2).
Xcdo64-3D{9926}[4]. CDO64. (2A,2B,2D)(3D)(4D).
Xcdo388-3D.1{9926}[4]. CDO388.
  (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2).
Xcdo388-3D.2{9926}[4]. CDO388.
  (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2).
Xcfd79-3B{0349}. CFD 79F/CFD 79R. (3B,3D).
Xcfd79-3D{0349}. CFD 79F/CFD 79R. (3B,3D).
Xcsih72-3D{757}[4]. [*XcsIH72*{757}]. csIHA72{757}. (3D).
Xcsih97-3D{757}[4]. [*XcsIH97d*{757}]. csIH97{757}. (2D)(3D)(5D.1,5D.2).
Xcsiha159-3D.1{757}[4]. [*XcsIHA159a*{757}]. csIHA159{757}. (3D.1,3D.2,3D.3)(5D).
Xcsiha159-3D.2{757}[4]. [*XcsIHA159b*{757}]. csIHA159{757}. (3D.1,3D.2,3D.3)(5D).
Xcsiha159-3D.3{757}[4]. [*XcsIHA159c*{757}]. csIHA159{757}. (3D.1,3D.2,3D.3)(5D).
XDuPw173-3D{0366}. DUPW 173F/DUPW 173R. (3D).
XDuPw227-3A{0366}. DUPW 227F/DUPW 227R. (3A).
Xfba189-3B{154}. [*Xfba189a-3B*{154}, *Xfba189b-3B*{154}]. FBA189. (3B).
Xfbb147-3B.1{1061}. [*Xfbb147-3B*{1061}]. FBB147. (3B.1,3D)(6A,6A.4).
Xfbb156-3B{154,1061}. [*Xfbb156a-3B*{154}]. FBB156. (3B)(5D)(6B)(7A).
Xgbx3793-3B{0354}. gbx3793. (2B)(3B).
XgbxG83-3D{0354}. [*XgbxG083b-3D*{0354}]. gbxG083. (3D)(4D)(5D)(6B).
XgbxG276-3B{0354}. [*XgbxG276a-3B*{0354}]. gbxG276. (3B)(4B,4D)(5A).
XgbxG541-3B{0354}. [*XgbxG541a-3B*{0354}]. gbxG541. (3B,3D)(5B).
Xgdm62-3D{0173}. DMS F62/DMS R62. (3D).
Xgdm64-3B{0173}. DMS F64/DMS R64. (3B).
Xgdm120-3B{0173}. DMS F120/DMS R120. (3B).
Xglk80-3B{822}. pTag80. (3B).
Xglk94-3D{822}. [*Xglk94a*{822}]. pTag94. (1D)(2D)(3D)(6A).
Xglk221-3A{822}. pTag221. (3A,3D).
Xglk221-3D{1034}. pTag221. (3A,3D).
Xglk223-3B{822}. pTag223. (3B).
Xglk301-3D{9926}[4]. pTag301. (1B)(2D)(3D)(5D)(7A,7B).
Xglk317-3D{9926}[4]. pTag317. (1B)(3D)(4D)(5A,5A.1,5A.2)(6A).
Xglk334-3D{9926}[4]. pTag334. (3D)(6A,6B,6D).
Xglk427-3D{9926}[4]. pTag427. (1B,1D)(3D).
Xglk485-3A{822}. pTag485. (3A).
Xglk520-3B{822}. [*Xglk520b*{822}]. pTag520. (1B)(2A)(3B)(5A)(6B).
Xglk538-3D{822}. [*Xglk538a, b*{822}]. pTag538. (3B,3D,3D.1,3D.2).
Xglk546-3B{822}. [*Xglk546c*{822}]. pTag546. (2B.1,2B.2)(3B)(5A.1,5A.2)(6B)(7A,7B).
Xglk554-3B{0031}. [*Xglk554b-3B*{0031}]. pTag554. (2A,2B,2D)(3B)(5B).
*Xglk558-3D*9926[4]. pTag558. (1B,1D)(2B,2D)(3D)(5D)(6D)(7D).
Xglk595-3A{822}. [*Xglk595a*{822}]. pTag595. (1B)(3A).
Xglk637-3B{822}. pTag637. (3B).
Xglk747-3A{822}. pTag747. (3A).
Xglk756-3B{822}. [*Xglk756a*{822}]. pTag756. (3B)(5A,5D)(6A).
Xgwm30-3A{9929}. WMS F30/WMS R30. (1A)(2D,2D.1)(3A,3A.2)(4A.2).
Xgwm273-3A{0171}. [*Xgwm273b-3A*{0171}]. WMS F273/WMS R273. (1B)(3A,3B).
Xgwm497-3D{9929}. WMS F497/WMS R497. (1A,1A.2)(2A)(3A,3D,3D.1)(5B)(6A.3).
Xgwm666-3A.1{9929}. [*Xgwm666.1-3A*{9929}]. WMS F666/WMS R666.
  (1A)(3A.1,3A.2)(5A)(7A,7A.3).

Xgwm845-3B{0030}. WMS F845/WMS R845. (3B).
Xksu1-32-4-3D{9926}[4]. [*Xksu32-4-3D*{9926}]. pTtksu1-32-4. (3D)(6D)(7D).
XksuB7-3D{9926}[4]. pTtksuB7. (1D.1,1D.2,1D.3,1D.4)(3D)(5D)(7B,7D).
XksuD4-3D{448}. pTtksuD4. (3D).
XksuD7-3D pTtksuD7. (3D)(7A,7D).
XksuD24-3D{448}. pTtksuD24. (3D).
XksuD45-3D{448}. pTtksuD45. (3D).
XksuE2-3B{233,282}. pTtksuE2. (3A,3B,3D)(4B,4D)(5A).
XksuF28-3D{448}. pTtksuF28. (3D).
XksuG36-3B{233}[1]. pTtksuG36{448}. (3B,3D).
XksuG36-3D{448}[4], {862, 233}[1]. pTtksuG36{448}. (3B,3D). The arm location of
   XksuG36-3D in *Ae. tauschii* was not reported in {448}.
XksuG45-3D{448}. pTtksuG45. (3D).
XksuG419-3D{9926}[4]. pTtksuG419. (3D)(4D)(5D.1,5D.2).
XksuH7-3D{448}[4]. pTtksuH7{448}. (3A,3B,3D).
XksuH8-3D{9926}[4]. [*XksuH8-3D.3*{9926}]. pTtksuH8.
   (2D.1,2D.2)(3D)(4A)(5A,5B)(7A,7B,7D).
XksuI19-3D.1{9926}[4]. pTtksuI19. (3D.1,3D.2).
XksuI19-3D.2{9926}[4]. pTtksuI19. (3D.1,3D.2).
XksuM9L-3D{448}. pTtksu/M9L. (3D).
XksuM117-3D{9926}[4]. pTtksuM117. (3D).
XksupF15-3A{339}. KSUF15F/KSUF15R. (2A,2B)(3A)(6A,6B,6D).
Xkuj72-3B{1034}. pTac72{1033}. (3B,3D).
Xkuj72-3D{1034}. pTac72{1033}. (3B,3D).
Xmgb58-3A{9959}[2]. MGB58. (3A).
Xmwg526-3D{9926}[4]. MWG526. (2A.1,2A.2)(3D).
Xpsp3012-3B{151}. PSP3012F/PSP3012R. (3B).
Xpsp3019-3D{151,1425}. PSP3019F/PSP3019R. (3D).
Xpsp3059-3B{151}. PSP3059F/PSP3059R. (3B).
Xpsp3080-3A{151}. PSP3080F/PSP3080R. (3A).
Xpsp3107-3A{151}. PSP3107F/PSP3107R. (3A).
Xpsr386-3B{1181}. [*Xpsr386.3*{1181}]. PSR386.
   (1A,1A.1)(2A)(3B,3B.4)(5A,5A.3)(7A,7A.2).
Xpsr919-3B{0031}. [*Xpsr919a-3B*{0031}]. PSR919. (2A,2B,2D)(3B).
Xpsr1054-3B{0031}. PSR1054. (3B).
Xtam44-3A{245}. TAM44. (3A,3B).
Xtam44-3B{245}. TAM44. (3A,3B).
Xucg(ACCc)-3A{345}. Clone name not stated in{345}. (3A,3B,3D.1,3D.2,3D.3).
Xucg(ACCc)-3B{345}. Clone name not stated in{345}. (3A,3B,3D.1,3D.2,3D.3).
Xucg(ACCc)-3D.1{345}. Clone name not stated in{345}. (3A,3B,3D.1,3D.2,3D.3).
Xucg(ACCc)-3D.2{345}. Clone name not stated in{345}. (3A,3B,3D.1,3D.2,3D.3).
Xucg(ACCc)-3D.3{345}. Clone name not stated in{345}. (3A,3B,3D.1,3D.2,3D.3).
Xwg178-3B{0354}. WG178. (3B,3D).
Xwg178-3D{9926}[4]. WG178. (3B,3D).
Xwmc50-3A{0242}. [*Xwmc050-3A*{0242}]. WMC 50F/WMC 50R. (3A).
Xwmc375-3D{0242}. WMC 375F/WMC 375R. (3D,3D.1).
Xwmc379-3A{0238}. WMC 379F/WMC 379R. (3A).

10. Group 4S
M21/P76-4A.4 32.39. (1A.5)(3B.3)(4A.4)(7B.9).
M77/P64-4A.6a 33.21. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).

P34/M47-5-4B 2.59. (4B).
P34/M50-5-4A 19. (3B)(4A).
P35/M57-2-4A 30.99. (4A).
P40/M49-3-4A 25.04. (4A).
XAWM419-4D 41.79. (4D).
Xbarc106-4A 37.69. (4A).
Xbarc138-4A 39.2. (4A).
Xbarc193-4B 2.59. (4B).
Xbarc206-4A 0. (4A).
Xbarc217-4D 61.22. (4D).
Xbarc225-4D 55.9. (4D).
Xbarc292-4B.2 19.51. (2D.1)(4B.2).
Xbarc308-4D.2 59.05. (4D.2)(5B.1).
Xbcd8a-4A 49.55. (4A).
Xbcd265a-4D 0. (4D).
Xbcd265b-4D 57.7. (4D).
Xbcd402a-4B 1.48. (4B).
Xbcd446a-4B 7.72. (4B).
Xbcd749-4B{1059}. 22.99. BCD749{545}. (4B).
Xbcd808b-4D 11.75. (4D).
Xbcd1250x-4B 19.09. (4B).
Xbcd1262-4B{1059,1008}. 22.15. BCD1262{545}. (4A,4B,4D).
Xbcd1652-4A{1059,1008},{282}[3]. 32.85. BCD1652{545,028}. (4A,4B).
Xbcd1738a-4A 30.52. (4A).
Xbcd1889-4D 1.39. (1A,1B)(4D).
Xbcd1930b-4D 10.4. (4D).
Xbcd2026-4B{1059}. 23. BCD2026{545}. (4B).
Xblt101.t7-4D 41.79. (4D).
XBlt801-4B 1.12. (4B).
Xcdo669-4D{1059}[1]. 48.99. CDO669{545}. (2B)(4A,4B,4D)(7A).
Xcdo669b-4B 29.53. (4B).
Xcdo795-4B{1059}. 16.1. CDO795{545}. (4A,4B).
Xcdo959-4A.1 33.35. (4A,4A.1)(5B,5B.2).
Xcdo1128-4B{1059}. 20.71. CDO1128{545}. (4B)(6B).
Xcdo1387-4A{282}[3],{1059}[1]. 34.02. CDO1387{028}. (4A,4B,4D).
Xcfd23-4D{0349}. 44.93. CFD 23F/CFD 23R. (4D).
Xcfd71a-4D 43.33. (4D).
Xcfd81b-4D 41.48. (4D).
Xcfd106-4D 43.9. (4D).
Xcfd193-4D 39.37. (4D).
Xcfd283a-4B 27.03. (4B).
Xfba8-4B{1059}. 23.11. FBA008. (1D)(2A)(3B)(4B)(6A)(7D).
Xfba40a-4A 22.34. (4A).
Xfba43-4A{1059}. 44.68. FBA043. (4A)(5A).
Xfba78a-4A 24.01. (4A,4B).
Xfba78a-4B 12.06. (4A,4B).
Xfba147-4B.2 26.95. (4A,4B,4B.2).
Xfba147a-4A 40.36. (4A).
Xfba177a-4B 0. (1B)(4B).
Xfba211-4D{9957}. 56.17. FBA211. (4A,4D).
Xfba211a-4A 42.53. (4A).

Xfba320-4A{1059}. 42.29. FBA320. (4A).
Xfba359a-4A 42.7. (4A).
Xfbb1-4A{1059}. 19. FBB001. (4A).
Xfbb3-4D 2.6. (4D).
Xfbb13-4D{1059}. 61.49. FBB013. (4D).
Xfbb22a-4B 8.93. (4B).
Xfbb24a-4B 11.84. (4B).
Xfbb67a-4B 3.86. (4B)(7A,7B).
Xfbb121-4B.1 23.11. (2B,2B.5)(4B,4B.1)(5B.1,5B.2)(7A).
Xfbb176-4A {1059}. 53.09. FBB176. (4A).
Xfbb227-4A{1059}. 53.49. FBB227. (4A).
Xfbb251a-4D 44.71. (2D)(4D).
Xfbb255a-4B 3.21. (1B)(4B).
Xfbb332a-4A 37.55. (3A)(4A).
XgbxG57-4B {9958}. [*XgbxG057-4B*{9958}]. 20.37. gbxG057. (4B).
XgbxG102-4D{0354}. 37.92. gbxG102. (4D).
XgbxG129-4D{9958}. 41.48. gbxG129. (4D).
XgbxG152-4D{9958}. 41.48. gbxG152. (4D).
XgbxG192b-4D 41.48. (4D).
XgbxG192c-4B 15.42. (4B).
XgbxG260-4B{9958}. 11.48. gbxG260. (4B).
XgbxG328-4D{0354}. 41.48. gbxG328. (4D).
XgbxR247-4A{9958}. 48.64. gbxR247. (4A).
Xgpw336-4D 41.48. (4D).
Xgpw1209a-4D 37.92. (4D).
Xgpw2046a-4D 3.44. (4D).
Xgpw2066-4D 4.42. (4D).
Xgpw2180-4D 7.63. (4D).
Xgpw2271a-4D 41.48. (4D).
Xgpw2283-4A 45.53. (4A).
Xgpw2302-4A 52.13. (4A).
Xgwm4a-4A 26.68. (3B)(4A).
Xgwm30-4A.2 42.23. (1A)(2D,2D.1)(3A,3A.2)(4A.2).
Xgwm165a-4B 11.84. (4B,4D).
Xgwm165a-4D 47.12. (4B,4D).
Xgwm165c-4A 35.42. (4A).
Xgwm192-4A.1 29.01. (4A,4A.1,4B,4B.2,4D,4D.3)(5D).
Xgwm264b-4D 32.73. (4D).
Xgwm495a-4B 13.32. (4B).
Xgwm497a-4D 24.4. (4D).
Xgwm513a-4B 13.89. (4B).
Xgwm601-4A{0035}[2]. 47.06. WMS F601/WMS R601. (4A)(7A).
Xgwm608a-4D 41.48. (4D)(6B).
Xgwm610a-4A 50.55. (4A).
Xgwm888-4B 29.55. (3B.3)(4B,4D.2).
Xgwm888-4D.2 12.75. (3B.3)(4B,4D.2).
Xgwm1007-4B 29.55. (4B).
XksuE3c-4D 14.09. (4D).
XksuF8a-4A 33.41. (4A).
XksuH9d-4D 18.43. (4D).
XksuH14a-4D 27.28. (4D)(6B).

XM21P76-4A.4 32.39. (1A.5)(3B.3)(4A.4)(7A.12,7A.13,7A.6,7B.9).
XM77P64-4A.6a 33.21. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
Xmwg58-4A{1181}. 32.39. MWG58. (4A).
Xmwg634-4B{117,1181}. [*Xmwg634.2*{1181}]. MWG634. (4A,4A.2,4B,4D)(7D).
Xmwg634-4D{1059}. 37.68. MWG634. (4A,4A.2,4B,4D)(7D).
Xmwg676b-4D 21.45. (4D).
Xmwg706-4D 19.68. (4D).
Xmwg2025a-4B 9.92. (4B).
Xpsp3028-4A{1425}. 17.77. PSP3028F/PSP3028R. (4A).
Xpsp3103-4D{151,1425}. 47.4. PSP3103F/PSP3103R. (4D).
Xpsp3163-4B{151}. 16.39. PSP3163F/PSP3163R. (4B).
Xpsr927-4A.2 34.77. (4A,4A.2,4D)(7B).
XRht-B1-4B 29.69. (4B).
Xrz574-4A{1059}. 35.52. RZ574. (4A).
Xrz672-4B{1059}. 25.63. RZ672. (4B).
Xwg464-4A{255,282}[3]. 42.54. WG464{028}.. (4A).
Xwmc48a-4D 23.09. (4B,4D).
Xwmc48b-4D 59.4. (4D).
Xwmc52a-4D 27.52. (4D).
Xwmc89b-4D 26.58. (4D).
Xwmc96x-4A 23.43. (4A).
Xwmc173d-4A 29.84. (4A).
Xwmc179-4A.3 11.66. (2A.2)(4A.3).
Xwmc206-4B.3 29.55. (4B.3)(5D.1).
Xwmc285-4D 0. (4D).
Xwmc331-4D{0348}. 60.4. WMC 331F/WMC 331R. (4D).
Xwmc457-4D 46.71. (4D).
Xwmc473a-4D 29.53. (4D).

11. Group 4S {4AL:4BS:4DS}

Xbcd265-4B{0047}. BCD265{545}. (1A,1B,1D)(2B)(4B,4D)(5A).
Xbcd265-4D{1059}. BCD265{545}. (1A,1B,1D)(2B)(4B,4D)(5A).
Xbcd402-4A{1059}. BCD402{545}. (1D)(4A,4B,4D)(5A).
Xbcd808-4A{1008}. BCD808. (1A.1,1A.2,1B)(4A).
Xbcd1250-4B{1059}. BCD1250{545}. (4B).
Xbgl485(Ger)-4A{255},{282}[3]. BG1485{028},Germin{265}. (4A,4B,4D).
Xbgl485(Ger)-4B{255}. Germin{265}. (4A,4B,4D).
Xbgl485(Ger)-4D{255}. Germin{265}. (4A,4B,4D).
Xcdo669-4A{255}[1],{255,282}[3]. CDO669{545}. (2B)(4A,4B,4D)(7A).
Xcdo669-4B{293,283}[5]. CDO669{545}. (2B)(4A,4B,4D)(7A).
Xcdo795-4A{0242}. CDO795{545}. (4A,4B).
Xcdo949-4B{0269}[2]. CDO949. (4A,4B,4D)(7B).
Xcdo1338-4A{1008}. CDO1338. (4A,4B)(5A,5B,5D).
Xcdo1338-4B{0354}. CDO1338. (4A,4B)(5A,5B,5D).
Xcn110(Lpx-B1)-4B{0269}[2]. [*Loxmjt*]. LOXMJT. (4B).
Xcsc6(Dhn6)-4B{293,283}[5]. [*XDhn6-4B*{293,283}]. pTZ19R-dhn6{281}. (4A,4B,4D).
Xcsc6(Dhn6)-4D{293,283}[5]. [*XDhn6-4D*{293,283}]. pTZ19R-dhn6{281}. (4A,4B,4D).
XcsME1-4B{0379}. csME1. (4B).
Xfba4-4A{1059}[**]. FBA004. (2B,2B.1,2D)(4A).
Xfba65-4A{1059}[**]. FBA065. (2D)(4A)(5B)(6A)(7A).
Xfba78-4B{1059}. FBA078. (4A,4B).

Xfba147-4A{1059}. FBA147. (4A,4B,4B.2).
Xfba147-4B{1059}. FBA147. (4A,4B,4B.2).
Xfba363-4B{0242}. FBA363. (4B)(7A).
Xfbb22-4B{1059}. FBB022. (4B).
Xfbb121-4B{1059}. FBB121. (2B,2B.5)(4B,4B.1)(5B.1,5B.2)(7A).
Xgdm129-4D{0173}. DMS F129/DMS R129. (4D).
XGer-4A{281}[3]. pWJHGermin{575}. (2A)(4A).
Xglk348-4B{0031}. [*Xglk348a-4B*{0031}]. pTag348. (4B,4D).
Xglk348-4D{822},{0031}. [*Xglk348b-4D*{0031}, *Xglk348a-4D*{822}]. pTag348. (4B,4D).
  The arm location of *Xglk348-4D* was not reported in {822}.
Xglk556-4B{822,154}. pTag556. (4B). Note: The arm location of *Xglk556-4B* was not
  reported in {822}.
Xgwm18-4B{1226}. WMS 18F/WMS 18R. (4B).
Xksu919(Lpx-1)-4A{0091}. [*Lpx-4A*{0091}]. 6C02E12{0094}. (4A). KSU919 cross-
  hybridizes to the *Xksu919(Lpx-2)-5A,B* loci.
XksuE3-4A{1059}[**]. pTtksuE3. (1A)(2A,2B,2D)(3A,3B)(4A)(6A,6D)(7A,7D,7D.4).
XksuG12-4A{1059}. pTtksuG12. (4A)(5D)(6B)(7A,7B,7D).
Xkvl916(Oxo)-4A{0091}. [*Oxo2-4A*{0091}]. pOXOXa{00102}. (4A,4B).
Xkvl916(Oxo)-4B{0091}. [*Oxo2-4B*{0091}]. pOXOXa{00102}. (4A,4B).
Xkvl917(Tha2)-4A{0091}. [*Tha2-4A*{0091}]. pBH72-C6{0092}. (4A)(7A,7B).
Xkvl918(Chi2)-4A{0091}. [*Cht21-4A*{0091}]. pBH72-C4{0092}. (4A,4B).
Xkvl918(Chi2)-4B{0091}. [*Cht21-4B*{0091}]. pBH72-C4{0092}. (4A,4B).
Xkvl1871(14-3-3a)-4A{255,0091}. [*Xpsr1871(Pki)-4A*{255}, *1433a-4A*{0091}]. pBT6-
  5tot(pHv14-3-3a). (4A,4B,4D).
Xkvl1871(14-3-3a)-4B{255,0091}. [*1433a-4B*{0091}]. pBT6-5tot(pHv14-3-3a).
  (4A,4B,4D).
Xkvl1871(14-3-3a)-4D{255}. pBT6-5tot(pHv14-3-3a). (4A,4B,4D).
Xmgb7-4A{9959}[2]. MGB7. (4A).
Xmgb343-4B{110}[2]. MGB343. (4B).
Xpsp3079-4D{1425}. PSP3079F/PSP3079R. (4D)(6B).
Xpsp3142-4A{1425}. PSP3142F/PSP3142R. (2A)(4A).
Xpsr110-4A{592}. PSR110. (4A,4B,4D).
Xpsr110-4B{400}. PSR110. (4A,4B,4D).
Xpsr110-4D{400}. PSR110. (4A,4B,4D).
Xpsr139-4A{815}. PSR139. (4A,4B,4D).
Xpsr139-4B{815}. PSR139. (4A,4B,4D).
Xpsr139-4D{815}. PSR139. (4A,4B,4D).
Xpsr144(Lhcb5)-4A{1329}[b]. [*Xpsr144-4A*{1329}]. PSR144. (4A,4B,4D).
Xpsr144(Lhcb5)-4B{1329}[b]. [*Xpsr144-4B*{1329}]. PSR144. (4A,4B,4D).
Xpsr144(Lhcb5)-4D{1329}[b]. [*Xpsr144-4D*{1329}]. PSR144. (4A,4B,4D).
Xpsr147(Ald)-4A{815}[b]. [*Xpsr147-4A*{815}]. PSR147. (4A,4B,4D)(5A,5B,5D).
Xpsr147(Ald)-4B{815}[b]. [*Xpsr147-4B*{815}]. PSR147. (4A,4B,4D)(5A,5B,5D).
Xpsr147(Ald)-4D{815}[b]. [*Xpsr147-4D*{815}]. PSR147. (4A,4B,4D)(5A,5B,5D).
Xpsr153-4B{815,255}. PSR153. (4A,4B,4D).
Xpsr153-4D{815,255}. PSR153. (4A,4B,4D).
Xpsr155(Rbca)-4A{255}[b]. [*Xpsr155-4A*{255}]. PSR155. (4A,4B,4D).
Xpsr155(Rbca)-4B{255}[b]. [*Xpsr155-4B*{255}]. PSR155. (4A,4B,4D).
Xpsr155(Rbca)-4D{255}[b]. [*Xpsr155-4D*{255}]. PSR155. (4A,4B,4D).
Xpsr166-4A{815}. PSR166. (4A,4B,4D).
Xpsr166-4B{815}. PSR166. (4A,4B,4D).
Xpsr166-4D{815}. PSR166. (4A,4B,4D).

Xpsr332-4A{255}. PSR332. (2A)(4A,4B,4D).
Xpsr332-4B{255}. PSR332. (2A)(4A,4B,4D).
Xpsr332-4D{255}. PSR332. (2A)(4A,4B,4D).
Xpsr541-4D{1008}. PSR541. (4D).
Xpsr584-4A{255}. PSR584. (4A,4B,4D).
Xpsr584-4B{255}. PSR584. (4A,4B,4D).
Xpsr584-4D{255}. PSR584. (4A,4B,4D).
Xpsr593-4B{256}. PSR593. (1B)(2B)(4A.2,4B)(7B).
Xpsr622-4A{246}[1]. PSR622. (4A,4B).
Xpsr622-4B{110}[2]. PSR622. (4A,4B).
Xpsr921-4B{255}. PSR921. (4A,4B,4D).
Xpsr921-4D{255}. PSR921. (4A,4B,4D).
Xpsr922-4B{255}. PSR922. (4A,4B,4D).
Xpsr922-4D{255}. PSR922. (4A,4B,4D).
Xpsr927-4A{255}. PSR927,L3-17{1542}. (4A,4A.2,4D)(7B).
Xpsr927-4D{255}. PSR927,L3-17{1542}. (4A,4A.2,4D)(7B).
Xpsr1327-4A{255}. PSR1327. (1A,1D)(3B)(4A)(5D).
Xrsq808(Glob)-4A{1010}. [*XGlo-4A*{961}]. PSP511{1182}. (4A,4B,4D).
Xrsq808(Glob)-4B{1010}. [*XGlo-4B*{961}]. PSP511{1182}. (4A,4B,4D).
Xrsq808(Glob)-4D{1010}. [*XGlo-4D*{961}]. PSP511{1182}. (4A,4B,4D).
Xucb821(PhyA)-4A{255}. pZmP173.H3{1178}. (4A,4B,4D).
Xucb821(PhyA)-4B{255}. pZmP173.H3{1178}. (4A,4B,4D).
Xucb821(PhyA)-4D{255}. pZmP173.H3{1178}. (4A,4B,4D).
Xutv1386-4B{9959}[2]. UTV1386. (4B).
Xwg184-4D{1008}. WG184. (1D)(2D)(3A)(4D)(5A).
Xwg212-4B{1008}. WG212. (4B,4D).
Xwg232-4B{0269}[2]. WG232.
   (1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).
Xwg622-4B{293,283}[5]. WG622{028}. (4A,4B,4D)(6A).
Xwg622-4D{293,283}[5]. WG622{028}. (4A,4B,4D)(6A).
Xwg875-4A{1008}. WG875. (4A,4B,4D).
Xwg875-4B{1008}. WG875. (4A,4B,4D).
Xwg875-4D{1008}. WG875. (4A,4B,4D).
Xwg909-4B{154}. WG909{545}. (4B)(5A,5B,5D)(7B).
Xwmc52-4D{0348}. WMC 52F/WMC 52R. (4D).
Xwmc141-4B{0242}. WMC 141F/WMC 141R. (4B).
Xwmc238-4B{0348}. WMC 238F/WMC 238R. (4B).

12. Group 4S {4A^{m}S}
Xabg55-4A{282}[3]. ABG55{664}. (1A.1,1A.2)(3A)(4A)(5A). Mapping of the same 1A^m,
   3A^m, 4A^m, and 5A^m loci with ABG55 and ABG387 was reported in {282}.
Xabg387-4A{282}[3]. ABG387{664}. (1A.1,1A.2,1B,1D)(3A)(4A)(5A)(6A,6B). Mapping of
   the same 1A^m, 3A^m, 4A^m, and 5A^m loci with ABG55 and ABG387 was reported in {282}.
Xabg460-4A.1{282}[3]. ABG460{664}. (1D)(3A)(4A.1,4A.2). Mapping of the same 3A^m and
   4A^m loci with ABG460 and MWG584 was reported in {282}.
Xbcd327-4A{255,282}[3]. BCD327{028}. (4A,4D).
Xcsc6(Dhn6)-4A{281}[3]. [*XDhn6-4A*{281}]. pTZ19R-dhn6{281}. (4A,4B,4D).
Xmwg584-4A.1{282}[3]. MWG584{467}. (1A,1B,1D,1D.1,1D.2)(3A)(4A.1,4A.2)(5D).
   Mapping of the same 3A^m and 4A^m loci with MWG584 and ABG460 was reported in {282}.
Xmwg635-4A{255,282}[3]. MWG635{467}. (4A).
Xmwg844-4A{282}[3]. MWG844{467}. (2A)(4A).

Xmwg2033-4A{255,282}[3]. MWG2033{467}. (2A)(4A).
Xpsr153-4A{255,282}[3],{815}. PSR153. (4A,4B,4D).
Xpsr921-4A{255,282}[3]. PSR921. (4A,4B,4D).
Xpsr922-4A{255,282}[3]. PSR922. (4A,4B,4D).
Xwg876-4A{282}[3],{9959}[2]. WG876{028}. (4A).

13. Group 4L

M51/P65-4A.6 123.94. (1A.5,1B.3)(2D.0)(4A.6)(5B.4)(6B.1).
M60/P64-4A.1 123.94. (1A.8)(2A.6)(3B.11,3B.13,3B.5a)(4A.1,4A.10)(5A.4)(6A.2).
M60/P64-4A.10 118.57. (1A.8)(2A.6)(3B.11,3B.13,3B.5a)(4A.1,4A.10)(5A.4)(6A.2).
M62/P64-4B.4 37.17. (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7B.11,7B.2,7B.9,7D.6).
M65/P64-4A.7 142.43. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7B.2).
M65/P64-4B.8 85.21. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7B.2).
M67/P77-4A.6 118.57. (1B.5)(3B.3)(4A.6)(7B.2).
P31/M49-2-4A 122.81. (4A).
P31/M52-4-4A 121.54. (4A).
P31/M53-4-4A 131.05. (4A).
P31/M57-1-4A 124.76. (4A).
P31/M58-1-4A 129.39. (4A).
P31/M60-3-4A 130.64. (4A).
P32/M48-228-4A 129.6. (4A).
P32/M48-2-4A 128.91. (4A).
P32/M48-4-4A 130.07. (4A).
P32/M59-9-4A 74.46. (4A).
P32/M62-2-4A 129.79. (4A).
P33/M49-6-4A 127.15. (4A).
P33/M49-8-4A 123.49. (4A).
P33/M54-1-4A 131.17. (4A).
P33/M55-1-4A 130.41. (4A).
P33/M60-3-4A 132.01. (4A).
P34/M48-2-4A 115.53. (4A).
P34/M50-12-4A 117.21. (4A).
P34/M51-90-4A 121.05. (4A).
P34/M58-2-4A 79. (4A).
P35/M47-2-4A 127.36. (4A).
P35/M47-15-4A 75.28. (4A).
P35/M54-3-4A 129.7. (4A).
P35/M54-9-4A 111.47. (4A).
P35/M61-5-4A 123.6. (4A).
P36/M47-1-4A 127.57. (4A).
P36/M47-3-4A 76.08. (4A).
P36/M48-3-4A 120.86. (4A).
P36/M49-9-4A 75.28. (4A).
P36/M53-338-4A 110.89. (4A).
P36/M54-1-4A 106.93. (4A).
P38/M47-7-4A 120.14. (4A).
P39/M49-189-4A 125.07. (4A).
P40/M47-1-4A 116.09. (4A).
P40/M54-2-4B 49.03. (4B).
P40/M55-6-4A 126.66. (4A).
P40/M60-221-4A 115.04. (4A).

P40/M60-307-4A 127.05. (4A).
P40/M61-7-4A 129.01. (4A).
P41/M47-8-4A 130.95. (4A).
P41/M47-11-4A 120.45. (4A).
P41/M47-12-4A 122.03. (4A).
P41/M51-157-4A 125.07. (4A).
P41/M51-299-4B 50.33. (4B).
P41/M60-1-4A 128.34. (4A).
P41/M60-3-4A 70.78. (4A).
P41/M61-4-4A 116.09. (4A).
P42/M47-1-4A 125.8. (4A).
P42/M51-76-4A 111.18. (4A).
P78/M49-4A.6 123.2. (3D.5)(4A.6)(5B.3)(7B.2).
P78/M59-4A.6 105.68. (2B.1)(3B.2,3D.3)(4A.6)(7B.7).
P78/M68.x-4A 139.08. (4A).
P78/M68.y-4A 135.65. (4A).
P78/M92-4A.8 129.31. (4A.8)(5A.1,5A.7,5D.9).
Xabc465b-4A 120.76. (4A).
Xabg378b-4A 129.6. (4A).
Xabg390-4A{255,282}[3]. 93.28. ABG390{664}. (3A)(4A).
Xabg484-4A{255,282}[3],{410}. 57.05. ABG484{664}. (4A,4B)(6D).
Xabg484-4B{1059}. 23.95. ABG484. (4A,4B)(6D).
Xabg704b-4A 129.6. (4A).
Xag12b-4A 79.03. (4A).
Xak466.2(Nra)-4A 103.37. (4A).
Xbarc48-4D.4 93.91. (4D.4)(6B.2).
Xbarc52-4A 161.54. (4A).
Xbarc60-4B 48.31. (4B).
Xbarc70-4A 186.58. (4A).
Xbarc78-4A 138.68. (4A).
Xbarc98-4D 64.77. (4D).
Xbarc153-4A 194.76. (4A).
Xbarc163-4B 43.39. (4B).
Xbarc170-4A 79.26. (4A).
Xbarc184-4A 175.56. (4A).
Xbarc315-4A.1 169.72. (4A.1)(7B.2).
Xbarc327-4A 152.03. (4A).
Xbarc334-4D 65.17. (4D).
Xbarc343-4A 87.94. (4A).
Xbcd8b-4A 71.16. (4A).
Xbcd15-4D.1 74.11. (3A,3A.1,3B)(4A,4B,4D,4D.1).
Xbcd129-4A 180.91. (4A)(7A,7D).
Xbcd130a-4A 89.66. (4A).
Xbcd130b-4A 128.72. (4A).
Xbcd135b-4A 115.85. (4A).
Xbcd327-4D{1059}. 63.92. BCD327{545}. (4A,4D).
Xbcd402b-4A 68.98. (4A,4B).
Xbcd402b-4B 32.13. (4A,4B).
Xbcd402c-4B 72.67. (4B).
Xbcd588-4A 201.27. (4A)(7D).
Xbcd808a-4A 55.52. (4A).

Xbcd873c-4A 72.63. (4A).
Xbcd1051-4B{1059}. 28.76. BCD1051{545}. (4B).
Xbcd1117-4D{1059}. 70.69. BCDl117{545}. (4D).
Xbcd1265-4B{1059}. 31.51. BCD1265{545}. (4B).
Xbcd1285-4A 134. (4A).
Xbcd1431d-4D 107.05. (4D).
Xbcd1670a-4A 98. (4A).
Xbcd1738b-4A 57.05. (4A).
Xbcd1975-4A{0269}[2]. 151.53. BCD1975. (4A)(7D).
Xbd1431-4D.1 86.22. (4D.1).
Xbd1431a-4D 86.22. (4D).
Xbd1431b-4D 106.47. (4D).
Xb-Amy-1-D1-4D 108.36. (4D).
XbAmy-4D 108.36. (4D).
Xcd16-4A.2 84.1. (4A.2).
Xcdo20-4B.1 45.19. (4B,4B.1)(5A).
Xcdo20b-4D 139.95. (4D).
Xcdo394b-4D 121.69. (4D).
Xcdo475-4A.1 104.46. (4A,4A.1)(5B)(7A,7D).
Xcdo506-4A{0242}. 92.67. CDO506. (4A)(5D). A *Xcdo506-5D* locus was reported in
   {1059} in the 7BS:5BL:5DL group. It is possible that this is a misclassification and that
   Xcdo506-4A and *Xcdo506-5D* are homoeologous.
Xcdo545-4A.2 126.16. (4A,4A.2)(7A).
Xcdo665c-4A 121. (4A).
Xcdo780a-4A 103.12. (4A).
Xcdo780b-4A 165.79. (4A).
Xcdo938-4B{1059}. 23.11. CDO938{545}. (4B).
Xcdo948-4A 74.69. (4A).
Xcdo949-4D{1059}. 107. CDO949{545}. (4A,4B,4D)(7B).
Xcdo1081-4D{1059}. 86.52. CDO1081{545}. (4D).
Xcdo1312-4B.1 42.55. (1B)(4B,4B.1,4D)(5A,5D.1,5D.2).
Xcdo1312a-4D 81.97. (4D).
Xcdo1312b-4D 149.3. (4D).
Xcdo1401-4B{1059}. 38.11. CDO1401{545}. (4B,4D).
Xcdo1401-4D 151.31. (4B,4D).
Xcdo1528b-4D 121.69. (4D).
Xcfa2173b-4D 66.66. (4D).
Xcfd22-4B{0349}. 43.77. CFD 22F/CFD 22R. (4B).
Xcfd39a-4D 76.85. (4D).
Xcfd39b-4D 129.21. (4D)(5A).
Xcfd54a-4D 92.84. (4D).
Xcfd84-4D{0349}. 85.94. CFD 84F/CFD 84R. (4D).
Xcfd88-4A 108. (4A).
Xcfd89-4D 69.17. (4D).
Xcfd257-4A 92. (4A).
Xcn17-4B.2 39.67. (1D.1)(4B.2)(7B.3).
Xcnl7-4B.2 39.67. (1D.1)(4B.2)(7B.3).
Xcsu25-4B{1059}. 24.91. UMC317. (4B).
XE5M5m-4B 33.32. (4B).
Xfba1-4B {154}. 32.25. FBA001. (4B).
Xfba4a-4A 98. (4A).

Xfba40b-4A   57.59.   (1D)(4A).
Xfba41-4B{1059,154}.   40.39.   FBA041.   (4B,4D).
Xfba41-4D   150.92.   (4B,4D).
Xfba65y-4A   73.42.   (4A).
Xfba78b-4A   59.32.   (4A,4B).
Xfba78b-4B   34.63.   (4A,4B).
Xfba147b-4A   65.45.   (4A).
Xfba177b-4B   67.63.   (4B,4D).
Xfba177b-4D   103.24.   (4B,4D).
Xfba211b-4A   66.33.   (4A).
Xfba231-4A   110.8.   (4A)(7A,7D).
Xfba243-4A{154}.   [*Xfba243b-4A*{154}, *Xfba243-4A*{1059}].   158.87.   FBA243.
    (4A)(7A,7D).
Xfba253-4A   204.27.   (4A)(7D).
Xfba282-4A{1059}.   132.   FBA282.   (4A).
Xfbb22b-4B   36.19.   (4B).
Xfbb24b-4B   32.25.   (4B).
Xfbb58-4B{1059,9966}.   41.83.   FBB058.   (4B).
Xfbb58a-4D   144.02.   (4D).
Xfbb67b-4B   57.43.   (4B)(7B).
Xfbb114a-4A   116.14.   (4A).
Xfbb114b-4A   138.   (4A).
Xfbb154-4A{1059}.   115.31.   FBB154.   (4A).
Xfbb178-4B{1059}.   40.64.   FBB178.   (4B,4D).
Xfbb178a-4D   76.42.   (4D).
Xfbb178b-4D   150.92.   (4D).
Xfbb182-4B{1059}.   45.79.   FBB182.   (4B,4D).
Xfbb182-4D   130.05.   (4B,4D).
Xfbb194-4A{0242}.   129.6.   FBB194.   (4A)(6A,6D).
Xfbb226e-4D   99.6.   (4D).
Xfbb251b-4D{1059}.   67.27.   (1B)(2D)(4D).
Xfbb255b-4B   59.95.   (4B)(6A).
Xfbb278-4A   79.15.   (2B)(3D.1)(4A)(7A).
Xfbb322b-4D   95.71.   (3A)(4D).
Xfbb336-4D{1059}.   67.67.   FBB336.   (4D).
Xgbx3480a-4A   118.   (4A)(7A).
Xgbx3581b-4D   145.87.   (4D).
Xgbx3832b-4A   137.   (4A).
XgbxG141-4A{9958}.   121.   gbxG141.   (4A)(7B).
XgbxG276-4D   137.85.   (3B)(4B,4D)(5A).
XgbxG623-4D   118.88.   (4B,4D).
XgbxR221-4A{9958}.   117.   gbxR221.   (4A).
Xglk128-4A{822}.   94.33.   pTag128.   (4A).
Xglk315-4A{822},{0031}.   81.24.   pTag315.   (4A).   The arm location of *Xglk315-4A* was not
    reported in {822}.
Xglk331-4A{0031}.   84.73.   pTag331.   (2B)(4A).
Xglk354-4A{822}.   [*Xglk354a*{822}].   89.65.   pTag354.   (4A)(5B,5D).
Xglk370-4A{822}.   86.71.   pTag370.   (2B,2D)(4A).
Xglk600b-4A   86.48.   (4A).
Xglk752-4A {822}.   [*Xglk752a*{822}].   80.44.   pTag752.   (4A)(6B).
Xgpw311a-4D   78.72.   (4D).

Xgpw311b-4D 131.35. (4D).
Xgpw342-4D 70.13. (4D).
Xgpw345-4D 103.24. (4D).
Xgpw356-4A 121. (4A).
Xgpw1108b-4B 25.21. (4B).
Xgpw1201a-4B 25.21. (4B).
Xgpw2122-4A 65.45. (4A).
Xgpw2138-4A 70.82. (4A).
Xgpw2140-4A 55.89. (4A).
Xgpw2166-4A 55.89. (4A).
Xgpw2228-4A 97. (4A).
Xgpw2244-4A 91. (4A).
Xgpw2271b-4B 25.21. (4B).
Xgpw2279-4A 74.27. (4A).
Xgpw2328b-4D 130.89. (4D).
Xgpw2331-4A 97. (4A).
XgpwE2-4D 79.63. (4D).
XgpwE4-4A 127. (4A).
Xgwm4b-4A 62.56. (3D)(4A).
Xgwm6-4D{1226}. 141.63. WMS 6F/WMS 6R. (4B,4D)(5A,5A.2). It is possible that
    Xgwm6-5A,4B,D form a homoeologous series.
Xgwm6a-4B 45.77. (4B).
Xgwm6b-4B 64.83. (4B)(5A).
Xgwm66-4B{9929}. 31.07. WMS F66/WMS R66. (4B)(5B).
Xgwm107-4B 30.93. (3A.3,3B)(4B)(6B).
Xgwm111c-4A 85.37. (4A).
Xgwm113-4B{9929}. 30.93. WMS F113/WMS R113. (3B)(4B).
Xgwm149-4B{117,726}. 39.22. WMS 149F/WMS 149R. (4B,4D).
Xgwm149-4D 133.45. (4B,4D).
Xgwm160-4A{724,9929}. 128.49. WMS 160F/WMS 160R. (4A).
Xgwm162-4B.2 34.39. (3A)(4B.2).
Xgwm165b-4B 47.71. (4B,4D).
Xgwm165b-4D 69.71. (4B,4D).
Xgwm192-4B.2 35.59. (4A,4A.1,4B,4B.2,4D,4D.3)(5D).
Xgwm192-4D.3 68.79. (4A,4A.1,4B,4B.2,4D,4D.3)(5D).
Xgwm194-4D{9929}. 100.42. WMS F194/WMS R194. (4D).
Xgwm251-4B{9929}. 44.59. WMS F251/WMS R251. (4B,4D)(7A).
Xgwm251-4D 135.59. (4B,4D)(7A).
Xgwm269-4A.2 75.7. (4A.2)(5D).
Xgwm350-4A.2 107.8. (4A.2)(7A,7D).
Xgwm368-4B{9929}. 35.57. WMS F368/WMS R368. (4B).
Xgwm375-4B{724}. 41.38. WMS 375F/WMS 375R. (4B).
Xgwm397a-4A 68.74. (4A).
Xgwm397b-4A 81. (4A).
Xgwm495-4B{9929}. 32.71. WMS F495/WMS R495. (4B).
Xgwm513b-4B 42.82. (4B).
Xgwm538-4B{9929}. 56.47. WMS F538/WMS R538. (4B,4D).
Xgwm538-4D 124.77. (4B,4D).
Xgwm608b-4D 66.09. (4D)(6B).
Xgwm609-4D{9929}. 115.7. WMS F609/WMS R609. (4D).
Xgwm610b-4A 70.82. (4A).

Xgwm624-4D{9929}. 112.75. WMS F624/WMS R624. (4D).
Xgwm637-4A{9929,0035}. 93.86. WMS F637/WMS R637. (4A).
XksuC2b-4B 36.88. (4B).
XksuD9a-4A 107.8. (4A).
XksuD9b-4A 142.87. (4A).
XksuE2-4B{1059}. 42.79. pTtksuE2. (3A,3B,3D)(4B,4D)(5A).
XksuE2-4D 149.3. (3A,3B,3D)(4B,4D)(5A).
XksuE3a-4A 86. (4A)(6D).
XksuE3b-4A 119.48. (2D)(3B)(4A).
XksuF8-4D.2 66.48. (4A,4B,4D,4D.2).
XksuG10-4B{1059,1008}[1]. 39.91. pTtksuG10{448}. (4A,4B,4D).
XksuG10-4D{448}[4],{1008}[1]. 150.5. pTtksuG10{448}. (4A,4B,4D). The arm location of
    XksuG10-4D in *Ae. tauschii* was not reported in {448}.
XksuG12b-4A 78.5. (4A)(7A).
XksuH9a-4A 57.05. (2A)(4A).
Xksus11-4D 105.68. (4D).
XM51P65-4A.6 123.94. (1A.5,1B.3)(2D.0)(4A.6)(5B.4)(6B.1)(7A.7).
XM60P64-4A.1 123.94. (1A.8)(2A.6)(3B.11,3B.13)(4A.1,4A.10)(5A.4)(6A.2).
XM60P64-4A.10 118.57. (1A.8)(2A.6)(3B.11,3B.13)(4A.1,4A.10)(5A.4)(6A.2).
XM62P64-4B.4 37.17. (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7A.8,7B.11,7B.2,7B.9,7D.6).
XM65P64-4A.7 142.43. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7A.2a,7B.2).
XM65P64-4B.8 85.21. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7A.2a,7B.2).
XM67P77-4A.6 118.57. (1B.5)(3B.3)(4A.6)(7A.4,7B.2).
Xmtd13-4B 23.83. (4B).
Xmwg549-4A.1 97.28. (4A,4A.1)(5A,5D)(6D,6D.2).
Xmwg634-4A.2 66.01. (4A,4A.2,4B,4D)(7D).
Xmwg710-4A.1 101.62. (1A,1B,1D)(4A,4A.1)(7A,7B,7D).
Xmwg710a-4D 91.2. (4D)(7B).
Xmwg2025b-4B 40.87. (2B)(4B).
XP78M49-4A.6 123.2. (3D.5)(4A.6)(5B.3)(7A.2a,7A.4,7A.7,7B.2).
XP78M59-4A.6 105.68. (2B.1)(3B.2,3D.3)(4A.6)(7A.5,7B.7).
XP78M68.x-4A 139.08. (4A).
XP78M68.y-4A 135.65. (4A).
XP78M92-4A.8 129.31. (4A.8)(5A.1,5A.7,5D.9).
Xpsp115-4A 107.33. (4A).
Xpsp119b-4A 126.76. (4A).
Xpsp160a-4A 129.6. (4A).
Xpsp392-4A 129.1. (4A).
Xpsp1316-4A 88.65. (4A).
Xpsp3030-4B.2 39.61. (2B)(3B,3B.1)(4B,4B.2).
Xpsp3078-4B{151,1425}. 35.57. PSP3078F/PSP3078R. (3B)(4B)(7D).
Xpsp3119-4A{151,1425}. 124.25. PSP3119F/PSP3119R. (4A)(7B).
Xpsr59a-4A 82.11. (4A).
Xpsr115-4A{255,282}[3]. 104.86. PSR115. (4A).
Xpsr160-4A.1 142.43. (4A.1)(7D.2).
Xpsr375-4B.4 78.72. (1A)(3B.5)(4A,4B,4B.4,4D,4D.1)(5B,5D,5D.3).
Xpsr375-4D.1 110.58. (1A)(3B.5)(4A,4B,4B.4,4D,4D.1)(5B,5D,5D.3).
Xpsr392-4A.1 158.24. (4A,4A.1)(7A,7D,7D.2).
Xpsr490.2(Ss1)-4A 122.45. (4A).
Xpsr573-4A{255}. 133.93. PSR573. (4A)(7D).
Xpsr593-4A.2 61.31. (1B)(2B)(4A.2,4B)(7B).

Xpsr914-4A{255,282}[3],1234}. 82.83. PSR914. (4A,4B,4D).
Xpsr934a-4A 86.48. (4A).
Xrz251-4B{1059}. 24.67. RZ251. (4B).
Xtam72d-4A 128. (4A).
XWB060k-4B 54.97. (4B).
XWB078d-4A 124.69. (4A).
Xwb163k-4B 53.36. (4B).
XWD004da-4A 70.71. (4A).
XWD043k-4B 89.34. (4B).
Xwg110-4B.2 24.31. (3A,3B,3D)(4B,4B.2).
Xwg114-4B.1 46.51. (4B,4B.1,4D)(5A).
Xwg114b-4D 127.77. (4D).
Xwg232-4A.7 104.11.
     (1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).
Xwg282-4B 37.08. (4B).
Xwg622-4A{255,282}[3],{255}[1]. 67.51. WG622{028}. (4A,4B,4D)(6A).
Xwmc2-4A 112.99. (4A).
Xwmc47-4B{0242}. [*Xwmc047-4B*{0242}]. 47.83. WMC 47F/WMC 47R. (4B).
Xwmc74b-4D 107.38. (4D).
Xwmc125-4B 52.1. (4B).
Xwmc161a-4A 104.79. (4A).
Xwmc206d-4D 72.21. (4D).
Xwmc219-4A 139.54. (4A).
Xwmc232-4A{0348}. 118.57. WMC 232F/WMC 232R. (4A)(7B.2).
Xwmc254-4B{0153}. 30.65. WMC 254F/WMC 254R. (1A)(4B).
Xwmc258-4A{0242}. 105.59. WMC 258F/WMC 258R. (4A).
Xwmc262-4A{0242}. 114. WMC 262F/WMC 262R. (4A).
Xwmc283b-4A 112.99. (4A).
Xwmc310-4B 43.98. (4B).
Xwmc313-4A{0242}. 139.9. WMC 313F/WMC 313R. (4A).
Xwmc349-4B 62.39. (4B).
Xwmc399-4D 72.21. (4D).
Xwmc420-4A 56.96. (4A).
Xwmc468-4A 87.63. (4A).
Xwmc497b-4A 141.1. (4A).
Xwmc500a-4A 124.7. (4A).
Xwmc513-4A 83.16. (4A).
XWxB1a-4A 113.13. (4A).
XGERMIN, XvutPDI-4A 54.75. (4A).

14. Group 4L {4AS:4BL:4DL}

Xbcd15-4A{0354}. [*Xbcd015c-3A*{0354}, *Xbcd015a-3D*{0354}]. BCD15.
     (3A,3A.1,3B)(4A,4B,4D,4D.1).
Xbcd110-4A{1008}. BCD110. (4A,4B,4D).
Xbcd110-4B{1008}. BCD110. (4A,4B,4D).
Xbcd110-4D{1008}. BCD110. (4A,4B,4D).
Xbcd734-4B{1008}. BCD734. (4A,4B).
Xbcd1006-4B{293}[5],{1008}[1]. BCD1006. (4A,4B,4D).
Xbcd1006-4D{293}[5],{1008}[1]. BCD1006. (4A,4B,4D).
Xbcd1092-4B{1008}. BCD1092. (4A,4B,4D).
Xbcd1092-4D{1008}. BCD1092. (4A,4B,4D).

Xbcd1230-4D{0248}. BCD1230. (4D).
Xbcd1652-4B{1008}. BCD1652{545}. (4A,4B).
Xbcd1738-4A{1059}. BCD1738{545}. (4A).
Xbnl5.09-4A{253}. Bnl5.09. (4A,4B,4D).
Xbnl5.09-4B{253}. BNL5.09. (4A,4B,4D).
Xbnl5.09-4D{253}. BNL5.09. (4A,4B,4D).
Xcdo38-4A{1008}. CDO38. (4A,4B,4D).
Xcdo38-4B{1008}. CDO38. (4A,4B,4D).
Xcdo38-4D{1008}. CDO38. (4A,4B,4D).
Xcdo189-4A{1008}. CDO189. (3A)(4A,4B,4D).
Xcdo189-4B{1008}. CDO189. (3A)(4A,4B,4D).
Xcdo189-4D{1008}. CDO189. (3A)(4A,4B,4D).
Xcdo488-4A{1008}. CDO488. (4A).
Xcdo541-4B{1008}. CDO541. (4A,4B,4D).
Xcdo541-4D{1008}. CDO541. (4A,4B,4D).
Xcdo959-4A{1059}. CDO959{545}. (4A,4A.1)(5B,5B.2).
Xcdo1337-4A{1008}[1]. CDO1337. (4A,4B,4D).
Xcdo1337-4B{1008}[1]. CDO1337. (4A,4B,4D).
Xcdo1337-4D{9926}[4]. CDO1337. (4A,4B,4D).
Xcdo1387-4B{293,283}[5]. CDO1387. (4A,4B,4D).
Xcdo1387-4D{293}[5],{1008}[1]. CDO1387. (4A,4B,4D).
Xcdo1395-4B{1008}. CDO1395. (4B,4D)(7A,7B).
Xcdo1395-4D{0248}. CDO1395. (4B,4D)(7A,7B).
Xfba40-4A{1059}. FBA040. (4A).
Xfba78-4A{1059}. FBA078. (4A,4B).
Xfba137-4A{154}. FBA137. (4A).
Xfbb120-4A{154}. FBB120. (4A).
Xfbb248-4A{154}. FBB248. (4A).
Xfbb332-4A{1059}. FBB332. (3A)(4A).
XgbxG81-4D{9958}. [*XgbxG081-4D*{9958}]. 41.48. gbxG081. (4D).
XgbxG83-4D{0354}. [*XgbxG083a-4D*{0354}]. gbxG083. (3D)(4D)(5D)(6B). It is not
    known whether *XgbxG83-4D* belongs to Group 4AS:4BL:4DL or 5AL:4BL:4DL.
XgbxG147-4B{9958}. gbxG147. (3D)(4B).
XgbxG192-4A{9958}. [*XgbxG192a-4A*{9958}]. gbxG192. (4A,4B,4D).
XgbxG192-4B{9958}. [*XgbxG192c-4B*{9958}]. gbxG192. (4A,4B,4D).
XgbxG192-4D{9958}. [*XgbxG192b-4D*{9958}]. gbxG192. (4A,4B,4D).
XgbxR866-4A{9958}. [*XgbxR866c-4B*]. gbxR866. (4A,4B)(5A).
XgbxR866-4B{0354}. [*XgbxR866c-4B*{0354}]. gbxR866. (4A,4B)(5A).
Xgdm93-4B{0173}. DMS F93/DMS R93. (2A,2D)(4B).
Xgdm125-4D{0173}. DMS F125/DMS R125. (4D). It is not clear whether *Xgdm125-4D*
    belongs to the group 4L or to the group 5AL:5BL:4DL.
Xglk2004(Bza2-1)-4A{0049}. [*Bza2-A1*{0049}, *Bza2-B1*{0049}, *Bza2-D1*{0049}]. IHBP-
    1a(c14). (4A,4B,4D).
Xglk2004(Bza2-1)-4B{0049}. [*Bza2-B1*{0049}, *Bza2-B1*{0049}, *Bza2-D1*{0049}]. IHBP-
    1a(c14). (4A,4B,4D).
Xglk2004(Bza2-1)-4D{0049}. [*Bza2-D1*{0049}, *Bza2-B1*{0049}, *Bza2-D1*{0049}]. IHBP-
    1a(c14). (4A,4B,4D).
Xgwm4-4A{9929}. WMS F4/WMS R4. (4A).
Xgwm6-4B{1226}. WMS 6F/WMS 6R. (4B,4D)(5A,5A.2). It is possible that *Xgwm6-
    5A,4B,D* form a homoeologous series.
Xgwm16-4A{9929}. WMS F/WMS 165R. (4A).

Xgwm165-4B{9929}. WMS 165F/WMS 165R. (4B,4D). A 4BS *Xgwm165-4B* was reported in {724}.

Xgwm165-4D{117}. WMS 165F/WMS 165R. (4B,4D). A 4BS *Xgwm165-4B* was reported in {724}.

Xgwm192-4A{0039}. [*Xgwm192c-4A*{0039}, *Xgwm192a*{0039}, *Xgwm192b-4A*{0039}]. WMS F192/ WMS R192. (4A,4A.1,4B,4B.2,4D,4D.3)(5D).

Xgwm192-4B{0039}. [*Xgwm192b-4B*{0039}]. WMS F192/ WMS R192. (4A,4A.1,4B,4B.2,4D,4D.3)(5D).

Xgwm192-4D{0039}. [*Xgwm192b-4D*{0039}]. WMS F192/ WMS R192. (4A,4A.1,4B,4B.2,4D,4D.3)(5D).

Xgwm297-4A{0171}. [*Xgwm297c-4A*{0171}]. WMS F297/WMS R297. (2A)(4A)(7B).

Xgwm397-4A{9929}[**],{0031}. WMS F397/WMS R397. (4A). Whether Xgwm397-4A belongs to the 4AL:5BL:5DL arm group or the 4AL:4BL:4DL arm group is uncertain.

Xgwm663-4A{0171}. WMS F663/WMS R663. (4A).

XHak1-4B{9932}. [*XHvHAK1-4B*{9932}]. HvHAK1{9932}. (2A,2D)(3A,3D)(4A,4B,4D)(6A,6B,6D).

XHak1-4D{9932}. [*XHvHAK1-4D*{9932}]. HvHAK1{9932}. (2A,2D)(3A,3D)(4A,4B,4D)(6A,6B,6D).

XksuF8-4A{255}. pTtksuF8. (4A,4B,4D,4D.2).

XksuF8-4B{255}. pTtksuF8. (4A,4B,4D,4D.2).

XksuF8-4D{255}. pTtksuF8. (4A,4B,4D,4D.2).

Xmgb299-4A{9959}[2]. MGB299. (4A).

Xmwg2180-4B{293,283}. MWG2180. (4A,4B,4D).

Xmwg2180-4D{293,283}. MWG2180. (4A,4B,4D).

Xnpi209-4A{253}. Npi209. (4A,4B,4D).

Xnpi209-4B{253}. Npi209. (4A,4B,4D).

Xnpi209-4D{253}. Npi209. (4A,4B,4D).

Xnpi403-4A{253}. Npi403. (4A,4B,4D).

Xnpi403-4B{253}. Npi403. (4A,4B,4D).

Xnpi403-4D{253}. Npi403. (4A,4B,4D).

Xnpi427-4A{253}. Npi427. (4A,4B,4D).

Xnpi427-4B{253}. Npi427. (4A,4B,4D).

Xnpi427-4D{253}. Npi427. (4A,4B,4D).

XPhy-4A{1094}. Primers for 3rd exon of oat *PhyA*. (4A,4B,4D[*]).

XPhy-4B{1094}. Primers for 3rd exon of oat *PhyA*. (4A,4B,4D[*]).

XPhy-4D[*]{1094}. Primers for 3rd exon of oat *PhyA*. (4A,4B,4D[*]).

Xpsb37-4A{255}. PSB37. (4A,4B,4D).

Xpsb37-4B{255}. PSB37. (4A,4B,4D).

Xpsb37-4D{255}. PSB37. (4A,4B,4D).

Xpsp2152(Tel)-4B.12{888}. PSP2156F/PSP2152Ra. (2B.1,2D.1)(3B.3)(4B.12,4B.9)(5D.2).

Xpsp2152(Tel)-4B.9{888}. PSP2159F/PSP2152Ra. (2B.1,2D.1)(3B.3)(4B.12,4B.9)(5D.2).

Xpsp3007-4D{1425}. PSP3007F/PSP3007R. (4D).

Xpsp3030-4B{151,1425}. PSP3030F/PSP3030R. (2B)(3B,3B.1)(4B,4B.2).

Xpsp3058-4A{1425}. PSP3058F/PSP3058R. (2D)(4A)(6D).

Xpsp3112-4D{151,1425}. PSP3112F/PSP3112R. (3B.1)(4D)(6B.2).

Xpsr39(Fbp)-4A{178}{255}. [*XFbp-4A*]. F16.1{1187}. (4A,4B,4D).

Xpsr39(Fbp)-4B{178}{255}. [*XFbp-4B*]. F16.1{1187}. (4A,4B,4D).

Xpsr39(Fbp)-4D{178}{255}. [*XFbp-4D*]. F16.1{1187}. (4A,4B,4D).

Xpsr59-4A{1234,255}. PSR59. (4A,4B,4D).

Xpsr59-4B{1234,255}. PSR59. (4A,4B,4D).

Xpsr59-4D{1234,255}. PSR59. (4A,4B,4D).

Xpsr104(Fbp)-4A{1328}[b]. [*Xpsr104-4A*{1328}]. PSR104. (4A,4B,4D).
Xpsr104(Fbp)-4B{1328}[b]. [*Xpsr104-4B*{1328}]. PSR104. (4A,4B,4D).
Xpsr104(Fbp)-4D{1328}[b]. [*Xpsr104-4D*{1328}]. PSR104. (4A,4B,4D).
Xpsr163-4A{1329}. [*Xpsr163-4A*{1329}]. PSR163. (4A,4B,4D).
Xpsr163-4B{1329}. [*Xpsr163-4B*{1329}]. PSR163. (4A,4B,4D).
Xpsr163-4D{1329}. PSR163. (4A,4B,4D).
Xpsr563-4D{496}. PSR563. (4D)(6A)(7A,7A.2,7D,7D.1).
Xpsr648-4A{255}[**]. PSR648. (1B)(4A)(7A,7D).
Xpsr860(Uba)-4A{255}. pUBA1{526}. (4A,4B,4D)(5A,5B,5D[*]).
Xpsr860(Uba)-4B{255}. pUBA1{526}. (4A,4B,4D)(5A,5B,5D[*]).
Xpsr860(Uba)-4D{255}. pUBA1{526}. (4A,4B,4D)(5A,5B,5D[*]).
Xpsr914-4B{1234,255}. PSR914. (4A,4B,4D).
Xpsr914-4D{1234,255}. PSR914. (4A,4B,4D).
Xpsr920-4B{255}. PSR920. (2A,2B,2D)(4A,4B,4D).
Xpsr920-4D{255}. PSR920. (2A,2B,2D)(4A,4B,4D).
Xpsr1318-4A{249}. PSR1318,L3-19{1542}. (4A,4B,4D).
Xpsr1318-4B{249}. PSR1318,L3-19{1542}. (4A,4B,4D).
Xpsr1318-4D{249}. PSR1318,L3-19{1542}. (4A,4B,4D).
Xucd102(Esi3)-4B{278}. [*XEsi3-4B*{278}]. pESI3{472}. (4A,4B,4D).
Xucd102(Esi3)-4D{278}. [*XEsi3-4D*{278}]. pESI3{472}. (4A,4B,4D).
Xutv434-4A.3{0269}[2]. [*Xutv434d-4A*{0269}[2]]. UTV434. (4A.1,4A.2,4A.3).
Xwg110-4B{255}. WG110. (3A,3B,3D)(4B,4B.2).
Xwg181-4A{1008}. WG181. (4A,4B,4D).
Xwg181-4B{1008}. WG181. (4A,4B,4D).
Xwg181-4D{1008}. WG181. (4A,4B,4D).
Xwg212-4D{1008}. WG212. (4B,4D).
Xwmc96-4A{0348}. WMC 96F/WMC 96R. (4A)(5A).
Xwmc173-4A{0348}. WMC 173F/WMC 173R. (4A).

15. Group 4L {4A[m]L}

Xabc310-4A{255,282}[3]. ABC310{664}. (3B)(4A)(5B,5B.1)(7A,7B).
Xabg460-4A.2{282}[3]. ABG460{664}. (1D)(3A)(4A.1,4A.2). Mapping of the same 3A[m] and 4A[m] loci with ABG460 and MWG584 was reported in {282}.
Xabg463-4A{255,282}[3]. ABG463{664}. (4A,4D)(5B,5D.1,5D.2).
Xbcd734-4A{282}[3],{1008}. BCD734{028}. (4A,4B). Mapping of the same 4A[m] locus with BCD734 and BCD1092 was reported in {282}.
Xbcd1006-4A{282}[3],{1008}[1]. BCD1006{028}. (4A,4B,4D).
Xbcd1092-4A{282}[3],{1008}. BCD1092{028}. (4A,4B,4D). Mapping of the same 4A[m] locus with BCD1092 and BCD734 was reported in {282}.
Xbcd1262-4A{282}[3]. BCD1262{028}. (4A,4B,4D).
Xcdo484-4A{282}[3]. CDO484{028}. (4A)(5B,5D).
Xcdo541-4A{282}[3],{1008}. CDO541{028}. (4A,4B,4D).
Xcmwg677-4A{282}[3]. [*Xmwg677-3A*{282}]. cMWG677{028}. (4A).
XksuG10-4A{255,282}[3],{1008}[1]. pTtksuG10{448}. (4A,4B,4D).
XksuG30-4A{282}[3]. pTtksuG30{448}. (1A)(2D)(3B)(4A)(5A)(6A,6B).
XksuH9-4A{282}[3]. pTtksuH9{448}. (1A,1A.2,1B,1D)(2A,2D,2D.1,2D.2,2D.3)(4A)(5A)(7A).
Xmwg584-4A.2{282}[3]. MWG584{467}. (1A,1B,1D,1D.1,1D.2)(3A)(4A.1,4A.2)(5D).
    Mapping of the same 3A[m] and 4A[m] loci with MWG584 and ABG460 was reported in {282}.
Xmwg813-4A{282}[3]. MWG813{467}. (3A)(4A)(6A).
Xmwg851-4A{255,282}[3]. MWG851{467}. (4A).
Xmwg948-4A{255,282}[3]. MWG948{467}. (4A).

Xmwg2180-4A{255,282}[3]. MWG2180{467}. (4A,4B,4D).
Xpsr375-4A{255,282}[3]. PSR375. (1A)(3B.5)(4A,4B,4B.4,4D,4D.1)(5B,5D,5D.3).
Xpsr567-4A{255,282}[3]. PSR567. (3B.2)(4A,4B,4D)(5A,5B,5D,5D.1)(7B).
Xpsr920-4A{255,282}[3]. PSR920. (2A,2B,2D)(4A,4B,4D).
Xpsr1051-4A{255,282}[3]. PSR1051. (4A,4B,4D).
Xttu1936(Hsp26.6a)-4A{281}[3]. pTaHSP26.6a{1567}. (4A).
Xucd102(Esi3)-4A{281}[3]. pESI3{472}. (4A,4B,4D).

16. Group 4L {4AL:4BL:4DL}

Xbcd1262-4D{1008}. BCD1262{545}. (4A,4B,4D).
Xgwm610-4A{9929}[**]. WMS F610/WMS R610. (4A). It is uncertain if *Xgwm610-4A*
  belongs to the 4AL:4BL:4DL group or the 4AL:5BL:5DL group.
Xmwg2025-4B{1059}. MWG2025. (2B)(4B).
Xpsr1051-4B{190}. PSR1051. (4A,4B,4D).
Xpsr1051-4D{190}. PSR1051. (4A,4B,4D).

17. Group 4L {5AL:4BL:4DL}

b-Amy-A1{1330}. [*A1:PSR1-5A*{1330}, *B1:PSR1-4A*{1330}, *Xb-Amy-A1*{959}].
  pcBetaC51{731}. (5A).
b-Amy-B1{1330}. [*Xb-Amy-B1*{959}]. pcBetaC51{731}. (4B).
b-Amy-D1{1330}. [*D1:PSR1-4D*{1330}]. pcBetaC51{731}. (4D).
Xabc305-4B{293,283}[5]. ABC305{664}. (4B,4D)(5A)(7A).
Xabc305-4D{293,283}[5]. ABC305{664}. (4B,4D)(5A)(7A).
Xabc305-5A{282}[3]. ABC305{664}. (4B,4D)(5A)(7A).
Xabc397-5A{282}[3]. ABC397{664}. (5A).
Xabg394-5A{282}[3]. ABG394{664}. (5A).
Xabg498-5A{282}[3]. ABG498{664}. (5A).
Xabg601-4B.1{293,283}[5]. ABG601. (4B.1,4B.2,4D.1,4D.2).
Xabg601-4B.2{293,283}[5]. ABG601. (4B.1,4B.2,4D.1,4D.2).
Xabg601-4D.1{293,283}[5]. ABG601. (4B.1,4B.2,4D.1,4D.2).
Xabg601-4D.2{293,283}[5]. ABG601. (4B.1,4B.2,4D.1,4D.2).
Xbcd15-4B{154}. [*Xbcd15a-4B*{154}]. BCD15{545}. (3A,3A.1,3B)(4A,4B,4D,4D.1).
Xbcd15-4D{1059,0354}. [*Xbcd15a-4B*{154}, *Xbcd015a-3D*{0354}, *Xbcd015c-3A*{0354},
  Xbcd015c-3D{0354}]. BCD15{545}. (3A,3A.1,3B)(4A,4B,4D,4D.1).
Xbcd402-4B{1059}[1],{293,283}[5]. BCD402{545}. (1D)(4A,4B,4D)(5A).
Xbcd402-4D{293,283}[5]. BCD402{545}. (1D)(4A,4B,4D)(5A). A 4AL *Xbcd402* locus was
  reported in {1059}.
Xbcd402-5A{255}[3]. BCD402{545}. (1D)(4A,4B,4D)(5A). A 4AL *Xbcd402* locus was
  reported in {1059}.
Xbcd1302-4B{028}[1],{293,283}[5]. [*XcnlBCD1302-4B*{961}]. BCD1302{028}. (4B,4D)(5A).
Xbcd1302-4D{028}[1]. [*XcnlBCD1302-4D*{961}]. BCD1302{028}. (4B,4D)(5A).
Xbcd1302-5A{255}[3]. [*XcnlBCD1302-5A*{961}]. BCD1302{028}. (4B,4D)(5A).
Xbcd1312-5A{9933}[1,3]. BCD1312. (5A).
Xbcd1431-4D.1{1059}. BCD1431{545}. (3A.1)(4D.1,4D.2).
Xbcd1431-4D.2{1059}. BCD1431{545}. (3A.1)(4D.1,4D.2).
Xcdo20-4B{1059}. CDO20{545}. (4B,4B.1)(5A).
Xcdo20-5A{1059}. CDO20{545}. (4B,4B.1)(5A).
Xcdo1312-4B{1059},{028}. [*XcnlCDO1312-4B*{961}]. CDO1312{545}.
  (1B)(4B,4B.1,4D)(5A,5D.1,5D.2).
Xcdo1312-4D{1059},{028}[1]. [*XcnlCDO1312-4D*{961}]. CDO1312{545}.
  (1B)(4B,4B.1,4D)(5A,5D.1,5D.2).

Xcdo1312-5A{255}[3], {0148}[1]. [*XcnlCDO1312-5A*{961}]. CDO1312{545}. (1B)(4B,4B.1,4D)(5A,5D.1,5D.2).

Xcdo1333-4B{1008}. CDO1333. (4B,4D)(5A).

Xcdo1333-4D{1008}. CDO1333. (4B,4D)(5A).

Xcdo1333-5A{252,282}[3], {0148}. CDO1333. (4B,4D)(5A).

Xcdo1528-4B{1059}. CDO1528{545}. (4B)(5A).

Xcdo1528-5A{1059}. CDO1528{545}. (4B)(5A).

Xcmwg708-5A{282}[3]. [*Xmwg708-5A*{282}]. cMWG708{467}. (5A).

Xfba177-4B{1059}. FBA177. (1B)(4B,4D)(5A).

Xfba177-4D{1059}. FBA177. (1B)(4B,4D)(5A).

Xfba177-5A{154}. [*Xfba177b*{154}]. FBA177. (1B)(4B,4D)(5A).

Xfbb24-4B{154}. [*Xfbb24b-4B*{154}]. FBB024. (3B)(4B).

Xfbb67-4B{1059}. FBB067. (2A)(4B)(7A,7B).

Xfbb178-4D{1059}. FBB178. (4B,4D).

Xfbb226-4D{1059}. FBB226. (2A,2B)(4D)(7B,7B.1).

Xfbb255-4B{1059}. FBB255. (1A,1B)(4B)(5A,5A.1,5A.2,5D)(6A).

Xgbx3581-4B{9958}. [*Xgbx3581b-4B*{9958}]. gbx3581. (1B)(2A)(4B).

XgbxG276-4B{9958}. gbxG276. (3B)(4B,4D)(5A).

XgbxG276-5A{0354}. [*XgbxG276a-5A*{0354}]. gbxG276. (3B)(4B,4D)(5A).

XgbxG367-4D{9958}. [*XgbxG367a-4D*{9958}]. gbxG367. (4B,4D)(6A,6B)(7A).

XgbxG623-4B{9958}. gbxG623. (4B,4D).

Xglk335-4B{822,9966}. pTag335. (4B). The arm location of *Xglk335-4B* was not reported in {822}.

Xgwm6-5A{0031}. [*Xgwm6b-5A*{0031}]. WMS F6/ WMS R6. (4B,4D)(5A,5A.2). It is possible that *Xgwm6-5A,4B,D* form a homoeologous series.

Xgwm179-4D{726}. WMS 179F/WMS 179R. (4D)(5A).

Xgwm410-5A{726}. WMS 410F/WMS 410R. (2B,2B.2)(5A,5A.1).

Xipk1(Tria)-4B{723}. [*Xtria*{723}]. Tri a III{057}. (4B,4D)(5A).

Xipk1(Tria)-4D{723}. [*Xtria*{723}]. Tri a III{057}. (4B,4D)(5A).

Xipk1(Tria)-5A{723}. [*Xtria*{723}]. Tri a III{057}. (4B,4D)(5A).

XksuC2-4B{1008}[1]. pTtksuC2. (2A)(4B,4D)(5A).

XksuC2-4D{448}[1,4], {1008}[1]. pTtksuC2. (2A)(4B,4D)(5A). The arm location of *XksuC2-4D* in *Ae. tauschii* was not reported in {448}.

XksuC2-5A{255}[3]. pTtksuC2. (2A)(4B,4D)(5A).

XksuE2-5A{154}. pTtksuE2. (3A,3B,3D)(4B,4D)(5A).

XksuG30-5A{154}. [*XksuG30b-5A*{154}]. pTtksuG30{448}. (1A)(2D)(3B)(4A)(5A)(6A,6B).

XksuH11-4B{293,283}[5]. pTtksuH11{448}. (4B,4D)(5A)(6A,6D).

XksuH11-4D{293,283}[5]. pTtksuH11{448}. (4B,4D)(5A)(6A,6D).

XksuH11-5A{282}[3]. pTtksuH11{448}. (4B,4D)(5A)(6A,6D).

Xkvl920(OxoLP)-4D{0091}. [*Oxo1-4D*{0091}]. pBH6-903{00103}. (4D)(5A).

Xkvl920(OxoLP)-5A{0148}. [*Oxo1-5A*{0148}]. pBH6-903{00103}. (4D)(5A).

Xmtd862(CM16)-4B{255}. pTd78{430}. (4B,4D).

Xmtd862(CM16)-4D{255}. pTd78{430}. (4B,4D).

Xmwg616-5A{726}. MWG616{467}. (5A).

Xmwg2112-4B{293,283}[5]. MWG2112. (4B,4D)(5A).

Xmwg2112-4D{293,283}[5]. MWG2112. (4B,4D)(5A).

Xpsb43-4B{255}. PSB43. (4B,4D).

Xpsb43-4D{255}. PSB43. (4B,4D).

Xpsr164(Gadp3)-4B{815,1609}[b]. [*Xpsr164-4B*{815,1609}]. PSR164. (4B,4D)(5A).

Xpsr164(Gadp3)-4D{815,1609}[b]. [*Xpsr164-4D*{815,1609}]. PSR164. (4B,4D)(5A).

Xpsr164(Gadp3)-5A{815,1609}[b]. [*Xpsr164-5A*{815,1609}]. PSR164. (4B,4D)(5A).
Xpsr375-4B{255,293,283}. PSR375{410}. (1A)(3B.5)(4A,4B,4B.4,4D,4D.1)(5B,5D,5D.3).
Xpsr375-4D{255,293,283}. PSR375{410}. (1A)(3B.5)(4A,4B,4B.4,4D,4D.1)(5B,5D,5D.3).
Xpsr484(Cat)-4B{1609}. [*Xcat-4B*{1609}]. PCat2.1c{104}. (4B,4D)(5A)(6A,6B,6D).
Xpsr484(Cat)-4D{1609}. [*Xcat-4D*{1609}]. PCat2.1c{104}. (4B,4D)(5A)(6A,6B,6D).
Xpsr484(Cat)-5A{1609}. [*Xcat-5A*{1609}]. PCat2.1c{104}. (4B,4D)(5A)(6A,6B,6D).
Xpsr567-4B{1609}. PSR567. (3B.2)(4A,4B,4D)(5A,5B,5D,5D.1)(7B).
Xpsr567-4D{1609}. PSR567. (3B.2)(4A,4B,4D)(5A,5B,5D,5D.1)(7B).
Xpsr567-5A{1609}. PSR567. (3B.2)(4A,4B,4D)(5A,5B,5D,5D.1)(7B).
Xpsr1201-4D{1609}. PSR1201,a39{207}. (1A)(4D)(5A,5B).
Xpsr1201-5A{1609}. PSR1201,a39{207}. (1A)(4D)(5A,5B).
Xwg114-4B{255}{1008}[1]. [*XcnlWG114-4B*{961}]. WG114{028}. (4B,4B.1,4D)(5A).
Xwg114-4D{255}{1008}[1]. [*XcnlWG114-4D*{961}]. WG114{028}. (4B,4B.1,4D)(5A).
Xwg114-5A{028}[1],{255}[3]. [*XcnlWG114-5A*{961}]. WG114{028}. (4B,4B.1,4D)(5A).
Xwg199-4B{293,283}[5]. WG199. (4B,4D)(5A).
Xwg199-4D{293,283}[5]. WG199. (4B,4D)(5A).
Xwg199-5A{255}[3]. WG199. (4B,4D)(5A).
Xycu518-4B{0186}. pTaQ18. (4B,4D)(5A).
Xycu518-4D{0186}. pTaQ18. (4B,4D)(5A).
Xycu518-5A{0186}. pTaQ18. (4B,4D)(5A).
Xycu524-4B{0186}. pTaQ24. (4B,4D)(5A).
Xycu524-4D{0186}. pTaQ24. (4B,4D)(5A).
Xycu524-5A{0186}. pTaQ24. (4B,4D)(5A).

18. Group 4

P31/M57-6-4B 29.22. (4B).
P32/M53-3-4B 29.03. (4B).
P32/M59-10-4B 29.02. (4B).
P33/M54-4-4B 29.5. (4B).
P38/M54-4-4B 29.52. (4B).
P40/M55-9-4B 29.4. (4B).
P40/M60-126-4B 29.03. (4B).
P44/M68-160-4B 29.35. (4B).
Xabcp253-4B{339}. ABC253F/ABC253R. (1A)(3B)(4B,4D).
Xabcp253-4D{339}. ABC253F/ABC253R. (1A)(3B)(4B,4D).
Xabg383-4D{9926}[4]. ABG383. (4D).
Xabg397-4D{9926}[4]. ABG397. (4D)(5A).
Xabg463-4D{9926}[4]. [*Xabg43-4D.2*{9926}]. ABG463. (4A,4D)(5B,5D.1,5D.2).
Xabgp391-4A{339}. ABG391F/ABG391R. (4A)(5A,5B,5D).
Xabgp618-4A{339}. ABG618F/ABG618R. (4A)(7D).
Xabgp704-4A{339}. ABG704F/ABG704R. (4A).
Xabgp715-4A{339}. ABG715F/ABG715R. (4A,4B).
Xabgp715-4B{339}. ABG715F/ABG715R. (4A,4B).
Xbarc288-4D 63.26. (4D).
XbarpG10-4B{339}. BarG10F/BarG10R. (3B)(4B).
Xbcd221-4B{0269}[2]. BCD221. (2B)(4B)(5B)(6B).
Xbcd348-4A {0269}[2]. BCD348. (2A.1,2A.2,2B,2D)(4A).
Xbfc9v(cyp71C)-4A{0371}. [*Cyp71C9v-4A*{0371}]. CYP71C9v{0371}. (4A,4B,4D).
Xbfc9v(cyp71C)-4B{0371}. [*Cyp71C9v-4B*{0371}]. CYP71C9v{0371}. (4A,4B,4D).
Xbfc9v(cyp71C)-4D{0371}. [*Cyp71C9v-4D*{0371}]. CYP71C9v{0371}. (4A,4B,4D).
Xbg930-4D{9926}[4]. BG969. (4D).

Xbg969-4D{9926}[4]. BG930. (4D).

Xbg1021-4D {9926}[4]. BG1021. (4D).

Xcdo64-4D{9926}[4]. CDO64. (2A,2B,2D)(3D)(4D).

Xcdo388-4D.1{9926}[4]. CDO388.
  (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2).

Xcdo388-4D.2 {9926}[4]. CDO388.
  (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2).

Xcdo414-4A{0269}[2]. CDO414. (4A)(7B).

Xcdo949-4A {0242}. [*Xcdo949b-4A*{0242}]. CDO949. (4A,4B,4D)(7B).

Xcdop213-4B{339}. CDO213F/CDO213R. (4B)(7D).

Xcfa2091-4B 27.89. (4B).

Xcfd2-4A{0349}. CFD 2F/CFD 2R. (4A).

Xcfd16-4{0349}. CFD 16F/CFD 16R. (4).

Xcfd24-4A{0349}. CFD 24F/CFD 24R. (4A).

Xcfd39-4B{0349}. CFD 39F/CFD39R. (4B).

Xcfd54-4B{0349}. CFD 54F/CFD 54R. (4B).

Xcfd71-4A{0349}. CFD 71F/CFD 71R. (4A,4D).

Xcfd71-4D{0349}. CFD 71F/CFD 71R. (4A,4D).

Xcmwg652-4D{9926}[4]. cMWG652. (4D)(6A,6B,6D).

Xcsiha114-4D.1{757}[4]. [*XcsIHA114-1a*{757}]. csIHA114-1{757}. (2D)(4D.1,4D.2).

Xcsiha114-4D.2{757}[4]. [*XcsIHA114-1b*{757}]. csIHA114-1{757}. (2D)(4D.1,4D.2).

Xcsl102(NBS-LRR)-4A{0031}. [*CD16.2-4A*{0031}]. Cd16.2{0048}. (4A).

XDuPW4-4A{0366}. DUPW 4F/DUPW 4R. (4A).

XDuPw23-4B{0366}. DUPW 23F/DUPW 23R. (4B).

XDuPw43-4B{0366}. DUPW 43F/DUPW 43R. (4B).

XDuPw108-4A{0366}. DUPW 108F/DUPW 108R. (4A).

XDuPw238-4D{0366}. DUPW 238F/DUPW 238R. (4D).

Xfba211-4A{1059}. FBA211. (4A,4D).

Xfba248-4B{0354}. [*Xfba248b-4B*{0354}]. FBA248. (4B)(7A,7B).

Xfba359-4A{1059}. FBA359. (2B,2B.1)(4A)(5A)(6B).

XgbxG36-4A{0354}. [*XgbxG036-4A*{0354}]. gbxG036. (2A)(4A)(6A)(7b).

XgbxG367-4B{0354}. [*XgbxG367a-4B*{0354}]. gbxG367. (4B,4D)(6A,6B)(7A).

XgbxG542-4A{0354}. gbxG542. (1A)(2A)(3D)(4A).

XgbxG557-4A{0354}. gbxG557. (1A)(4A).

XgbxR657-4B{9958}. gbxR657. (4B).

Xgdm34-4D{0173}. DMS F34/DMS R34. (4D).

Xgdm40-4D{0173}. DMS F40/DMS R40. (4D).

Xgdm61-4D{0173}. DMS F61/DMS R61. (4D).

Xgdm88-4A{0173}. DMS F88/DMS R88. (4A).

Xgdm133-4D{0173}. DMS F133/DMS R133. (4D)(5B).

Xgdm145-4A {0173}. DMS F145/DMS R145. (4A).

Xglk163-4D{9926}[4]. pTag163. (1B,1D)(4D)(5A,5B).

Xglk167-4A{822}. pTag167. (4A).

Xglk210-4A{822}. pTag210. (4A).

Xglk278-4D{9926}[4]. pTag278. (2A.1,2A.2,2B,2D)(4D)(5A,5B).

Xglk300-4B{822}. pTag300. (4B).

Xglk302-4A{822}. [*Xglk302a*{822}]. pTag302. (2B,2B.1)(4A,4D)(7B).

Xglk302-4D{0031}. [*Xglk302b*{0031}]. pTag302. (2B,2B.1)(4A,4D)(7B).

Xglk317-4D{9926}[4]. pTag317. (1B)(3D)(4D)(5A,5A.1,5A.2)(6A).

Xglk431-4B{822}. [*Xglk431b*{822}]. pTag431. (1B)(2D)(4B).

Xglk450-4A{822}. pTag450. (4A).

Xglk452-4A{822}. [*Xglk452a*{822}]. pTag452. (2A)(4A).

Xglk512-4A{822}. pTag512. (4A)(6A).

Xglk575-4B{1034}. pTag575{1499}. (4B,4D).

Xglk575-4D{1034}. pTag575{1499}. (4B,4D).

Xglk578-4A{822}. [*Xglk578a*{822}]. pTag578. (2B)(4A,4B,4D).

Xglk578-4B{822}. [*Xglk578c*{822}]. pTag578. (2B)(4A,4B,4D).

Xglk578-4D{9966}. pTag578. (2B)(4A,4B,4D).

Xglk600-4A{0031}. [*Xglk600b-4A*{0031}]. pTag600. (2A,2B)(4A).

Xglk619-4A{822}. pTag619. (4A).

Xglk650-4A{822}. pTag650. (4A).

Xglk661-4A(1){822}. [*Xglk661a*{822}]. pTag661. (2B)(4A(1),4A(2),4B,4D).

Xglk661-4A(2){822}. [*Xglk661e*{822}]. pTag661. (2B)(4A(1),4A(2),4B,4D).

Xglk661-4B{822}. [*Xglk661d*{822}]. pTag661. (2B)(4A(1),4A(2),4B,4D).

Xglk661-4D{822}. [*Xglk661b*{822}]. pTag661. (2B)(4A(1),4A(2),4B,4D).

Xglk694-4A{822}. [*Xglk694a*{822}]. pTag694. (4A,4B,4D).

Xglk694-4B{822}. [*Xglk694b*{822}]. pTag694. (4A,4B,4D).

Xglk694-4D{1034}. pTag694. (4A,4B,4D).

Xglk708-4A{822}. pTag708. (4A).

Xgpw1010-4A 54.34. (4A).

Xgwm111-4A{0031}. [*Xgwm111c-4A*{0031}]. WMS F111/WMS R111. (4A)(7B,7D).

Xgwm129-4D{0242}. WMS F129/WMS R129. (2B)(4D)(5A).

Xgwm198-4A{724}. WMS 198F/WMS 198R. (4A).

Xgwm608-4D {9929}. WMS F608/WMS R608. (2D,2D.3)(4D).

Xgwm613-4A {0269}^{2}. WMS F613/WMS R613. (4A)(6B).

XHak1-4A{9932}. [*XhvHAK1-4A*{9932}]. HvHAK1{9932}.
    (2A,2D)(3A,3D)(4A,4B,4D)(6A,6B,6D).

Xksu3-4D{9926}^{4}. pZmksu3{9928}. (4D).

XksuB5-4D{448}. pTtksuB5. (4D)(5D).

XksuD18-4D {448}^{4}. [*XksuD18(A)-4D*{448}]. pTtksuD18. (2A,2B,2D.1,2D.2)(4D)(7B).

XksuD21-4D{448}. pTtksuD21. (4D).

XksuE6-4D{448}^{4}. pTtksuE6. (4D).

XksuE9-4D{448}^{4}. pTtksuE9. (4D)(7D).

XksuF43-4D.1{448}. [*XksuF43(A)-4D*{448}]. pTtksuF43.
    (1A,1B.1,1B.2,1D)(2D)(4D.1,4D.2)(5D.1,5D.2)(6D).

XksuF43-4D.2{448}. [*XksuF43(B)-4D*{448}].
    (1A,1B.1,1B.2,1D)(2D)(4D.1,4D.2)(5D.1,5D.2)(6D).

XksuG55-4D{448}^{4}. [*XksuG55(A)-4D*{448}]. pTtksuG55. (1D,1D.1,1D.2)(2D)(4D)(7A).

XksuG419-4D{9926}^{4}. pTtksuG419. (3D)(4D)(5D.1,5D.2).

XksuH5-4D {448}^{4}. pTtksuH5. (4D).

XksuM1-4D{448}^{4}. [*XksuM1(A)-4D*{448}]. pTtksuM1. (4D).

XksuM74-4D{448}^{4}. pTtksuM74. (4D).

XksuM83-4D{448}^{4}. pTtksuM83. (4D).

XksuM91-4D{9926}^{4}. pTtksuM91. (4D).

XksuM92-4D{9926}^{4}. pTtksuM92. (4D).

XksuM114-4D{9926}^{4}. pTtksuM114. (1B,1D)(4D).

XksuM147-4D{9926}^{4}. pTtksuM147. (4D).

XksuM149-4D {448}^{4}. [*XksuM149-4D*{448}]. pTtksuM149. (2D)(4D).

XksupD16-4A{339}. KSUD16F/KSUD16R. (4A)(5B).

XksupE8-4D{339}. KSUE8F/KSUE8R. (2B)(4D)(6B)(7D).

XksupG49-4A{339}. KSUG49F/KSUG49R. (4A)(7D).

XksupM148-4B{339}. KSUM148F/KSUM148R. (1B)(2A)(4B,4D)(6B).

XksupM148-4D{339}. KSUM148F/KSUM148R. (1B)(2A)(4B,4D)(6B).

Xmwg542-4D{9926}[4]. MWG542. (4D).

Xmwg634-4A{1181}. [*Xmwg634.2*{1181}]. MWG634. (4A,4A.2,4B,4D)(7D).

Xnpi97-4B{253}. Npi97. (1A,1B)(4B,4D).

Xnpi97-4D{253}. Npi97. (1A,1B)(4B,4D).

Xpsp3061-4A{151}. PSP3061F/PSP3061R. (4A).

Xpsp3124-4D{151}. PSP3124F/PSP3124R. (4D).

Xpsp3159-4A{151}. PSP3159F/PSP3159R. (4A).

Xpsr157-4D {9926}[4]. PSR157. (4D)(5B).

Xpsr934-4A{0031}. [*Xpsr934a-4A*{0031}]. PSR934. (2A,2B,2D)(4A).

Xpsr967-4B{598}. PSR967. (1A,1A.1,1B,1B.2)(4B)(5A,5A.3)(6A,6A.4,6B).

Xrgc225-4A{739}. RGC225. (4A,4B,4D).

Xrgc225-4B{739}. RGC225. (4A,4B,4D).

Xrgc225-4D{739}. RGC225. (4A,4B,4D).

Xrgc454-4A{739}. RGC454. (4A,4D)(5A,5B).

Xrgc454-4D{739}. RGC454. (4A,4D)(5A,5B).

Xscu6467-4A{0368}. PSR6465 F/PSR6465 R. (4A).

Xstm91-4D{0242}. STM 91F/STM 91R. (4D).

XSut1-4A{0361}. TaSUT1D. (4A,4B,4D).

XSut1-4B{0361}. TaSUT1D. (4A,4B,4D).

XSut1-4D{0361}. TaSUT1D. (4A,4B,4D).

Xtam51-4A{245}. TAM51. (4A,4B)(7A).

Xtam51-4B{245}. TAM51. (4A,4B)(7A).

Xtam59-4B{245}. TAM59. (4B).

Xtam65-4A{245}. TAM65. (1B)(2A)(3B)(4A)(7A,7D).

Xtam66-4D{245}. TAM66. (4D).

Xtam72-4A{245}. TAM72. (2B,2B.3)(3B)(4A)(5B).

Xutv135-4B {0269}[2]. UTV135. (1A)(3B)(4B).

Xutv1136-4A.1{0269}[2]. [*Xutv1136a-4A*{0269}[2]]. UTV1136. (4A.1,4A.2)(6A).

Xutv1136-4A.2{0269}[2]. [*Xutv1136c-4A*{0269}[2]]. UTV1136. (4A.1,4A.2)(6A).

Xutv1441-4B{0269}[2]. UTV1441. (1A)(2A)(3B)(4B)(5A)(6B).

Xwg180-4B{0242}. [*Xwg180a-4B*{0242}]. WG180. (1A,1B)(4B)(7B.1,7B.2).

Xwg232-4A{1181}. [*Xwg232.7*{1181}]. WG232.
　(1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).

Xwg516-4D.1{9926}[4]. WG516. (4D.1,4D.2)(5D).

Xwg516-4D.2 {9926}[4]. WG516. (4D.1,4D.2)(5D).

Xwg789-4D{9926}[4]. WG789. (1A,1B,1D)(4D).

Xwgp181-4B{339}. WG181F/WG181R. (4B).

Xwgp232-4A{339}. WG232F/WG232R. (4A,4D)(6B)(7A).

Xwgp232-4D{339}. WG232F/WG232R. (4A,4D)(6B)(7A).

Xwgp530-4A{339}. WG530F/WG530R. (4A).

Xwgp564-4B{339}. WG564F.2/WG564R.2. (4B,4D).

Xwgp564-4D{339}. WG564F.2/WG564R.2. (4B,4D).

Xwmc35-4B{0153}. WMC 35F/WMC 35R{0162}. (2B)(4B).

Xwmc48-4A{0242}. [*Xwmc048a-4A*{0242}]. WMC 48F/WMC 48R. (4A,4B,4D).

Xwmc48-4B{0242}. [*Xwmc048c-4B*{0242}]. WMC 48F/WMC 48R. (4A,4B,4D).

Xwmc48-4D{0242}. [*Xwmc048b-4D*{0242}]. WMC 48F/WMC 48R. (4A,4B,4D).

Xwmc48a-4B 29.82. (4B,4D).

Xwmc48c-4A 54.25. (4A).

Xwmc89a-4B 29.82. (4B).

Xwmc89c-4A 54.25. (4A).

Xwmc491a-4B 30.38. (4B).
Xwmc491b-4A 54.25. (4A).
Xwmc511a-4B 29.96. (4B).
Xwpg501(Pdi)-4A{0064,0263}. pTAPDI501. (1B)(4A,4B,4D).
Xwpg501(Pdi)-4B{0064,0263}. pTAPDI501. (1B)(4A,4B,4D).
Xwpg501(Pdi)-4D{0064,0263}. pTAPDI501. (1B)(4A,4B,4D).

19. Group 4 {4A$^{\mathrm{m}}$}

Xcdo388-4A {282}[3]. CDO388{028}.
    (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2).
XksuH8-4A {282}[3]. pTtksuH18{448}. (2D.1,2D.2)(3D)(4A)(5A,5B)(7A,7B,7D).

20. Group 5S

Ha-5D 0. (5D).
M51/P65-5B.4 47.62. (1A.5,1B.3)(2D.0)(4A.6)(5B.4)(6B.1).
M71/P77-5B.13 40.06. (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).
Nor-D3(*See Nucleolus Organiser Regions*). [*XNor-D3*]. pTA71{433}. (D3).
P31/M49-3-5B 7.55. (5B).
P31/M57-3-5B 9.71. (5B).
P32/M47-1-5B 5.89. (5B).
P32/M48-234-5B 10.42. (5B).
P32/M62-7-5A 0.38. (5A).
P33/M52-9-5B 22.02. (5B).
P34/M47-2-5A 20.62. (5A).
P35/M52-3-5B 9.33. (5B).
P36/M48-2-5B 27.07. (5B).
P38/M59-114-5B 12.02. (5B).
P38/M61-3-5B 40.41. (5B).
P39/M49-82-5B 35.27. (5B).
P39/M53-2-5B 28.52. (5B).
P39/M504-5B 0. (5B).
P41/M51-309-5D 23.93. (5D).
P41/M61-2-5A 9.59. (5A).
P42/M51-116-5B 35.27. (5B).
P42/M60-4-5B 10.06. (5B).
P78/M43-5A.10 21.06.
    (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
P78/M72-5B.3 16.83. (1B.4)(2B.8,2D.4a)(5B.3)(6B.7).
P78/M92-5A.1 14.24. (4A.8)(5A.1,5A.7,5D.9).
PinA-5D 0. (5D).
Pina-D1a-5D 0. (5D).
Xabg395-5A{282}[3]. ABG395. (5A).
Xabg397-5A{0242}. 15.98. ABG397. (4D)(5A).
Xabg497-5A{282}[3]. ABG497{664}. (5A).
Xabg705-5A{282,446}[3]. ABG705{664},*pHvabg705*{446}. (5A,5B,5D).
Xabg705-5B{1059}[1]. 40.95. ABG705{664},*pHvabg705*{446}. (5A,5B,5D).
Xabg705-5D{446}[1]. ABG705{664},*pHvabg705*{446}. (5A,5B,5D).
Xbarc4-5B 44.99. (5B).
Xbarc32-5B 32.58. (5B).
Xbarc44-5D 20.24. (5D).
Xbarc109-5B 46.65. (5B).

Xbarc117-5A 17.74. (5A).
Xbarc122-5A 2.72. (5A).
Xbarc130-5D -0.08. (5D).
Xbarc135-5A 2.72. (5A).
Xbarc143-5D 16.4. (5D).
Xbarc180-5A 11.59. (5A).
Xbarc186-5A 15.91. (5A).
Xbarc205-5D 10.79. (5D).
Xbarc216-5B 36.81. (5B).
Xbarc303-5A 16.39. (5A).
Xbarc316-5A 6.64. (5A).
Xbarc340-5B.1 38.84. (5B.1)(7B.2).
Xbcd21-5A{9933,0148}. 20.93. (1B)(3B)(5A,5D)(6A,6B,6D).
Xbcd207-5A{154}. BCD207{545}. (1A,1B)(5A).
Xbcd873-5B{1059}. BCD873{545}. (5B,5D)(7A,7D).
Xbcd873a-5A 0.77. (5A,5B)(7A).
Xbcd873a-5B 0. (5A,5B)(7A).
Xbcd873b-5B 22.56. (5B).
Xbcd1024-5B 44.55. (5B).
Xbcd1871-5A{1059}. BCD1871{545}. (5A,5A.1,5B,5B.2,5D).
Xbcd1871-5A.1 13.83. (5A,5A.1,5B,5B.2,5D).
Xbcd1871-5B{1059}. BCD1871{545}. (5A,5A.1,5B,5B.2,5D).
Xbcd1871-5B.2 43.16. (5A,5A.1,5B,5B.2,5D).
Xbcd1871-5D{864}. BCD1871{545}. (5A,5A.1,5B,5B.2,5D).
Xbfa137-5D{1059,0034}. FBA137. (5D). The arm location of *Xfba137-5D* was not reported
    in {1059}.
Xcdo344-5A{0034}. CDO344. (5A,5B,5D).
Xcdo344-5B{0034}. CDO344. (5A,5B,5D).
Xcdo344-5D{0034}. CDO344. (5A,5B,5D).
Xcdo677-5A{282}[3], {446}[1]. CDO677{028},*pAscnlcdo677*{446}. (5A,5D).
Xcdo677-5D{446}[1]. CDO677{028},*pAscnlcdo677*{446}. (5A,5D).
Xcdo687-5B{446}. CDO687,*pAscnlcdo687*{446}. (5B).
Xcdo749-5A{1059}. CDO749{545}. (5A,5A.1,5B).
Xcdo749-5A.1 19.74. (5A,5A.1,5B).
Xcdo749-5B{1059}. CDO749{545}. (5A,5A.1,5B).
Xcdo749a-5B 9.71. (5B).
Xcdo749b-5B 43.62. (5B).
Xcdo959-5B{1059}. CDO959{545}. (4A,4A.1)(5B,5B.2).
Xcdo959-5B.2 25.78. (4A,4A.1)(5B,5B.2).
Xcdo1335-5A{446}. CDO1335,*pAscnlcdo1335*{446}. (5A,5B,5D).
Xcdo1335-5B{446}. 17.05. CDO1335,*pAscnlcdo1335*{446}. (5A,5B,5D).
Xcdo1335-5D{446}. CDO1335,*pAscnlcdo1335*{446}. (5A,5B,5D).
Xcdo1338-5A{282}[3]. CDO1338{028}. (4A,4B)(5A,5B,5D).
Xcdo1338-5B{0034}. CDO1338{028}. (4A,4B)(5A,5B,5D).
Xcdo1338-5D{0034}. CDO1338{028}. (4A,4B)(5A,5B,5D).
Xcdo1338x-5B 42.02. (5B).
Xcfa2070-5B 29.79. (5B).
Xcfa2104b-5D 10.23. (5D).
Xcfa2190-5A 9.64. (5A).
Xcfd18-5D{0349}. 1.46. CFD 18F/CFD 18R. (5D).
Xcfd40-5D{0349}. 16.5. CFD 40F/CFD 40R. (5D).

Xcfd67-5D 13.56. (5D).
Xcfd74-5D 22.98. (5D)(7B).
Xcfd78-5D{0349}. 15.16. CFD 78F/CFD 78R. (5D).
Xcfd165-5D 0.13. (5D).
Xcfd189-5D 1.09. (5D).
Xcfd219a-5B 39.8. (5B).
Xcmwg770-5D{1059}. 26.23. cMWG770. (5D).
Xcnl6b-5A 0. (2B)(5A)(7D).
XcsSR3(Gsp)-5A{446}[1],{282}[3]. [*Xgsp-5A*{446}]. pGsp{1185}. (1D)(5A,5B,5D)(7D).
XcsSR3(Gsp)-5B{446}[1]. [*Xgsp-5B*{446}]. pGsp{1185}. (1D)(5A,5B,5D)(7D).
XcsSR3(Gsp)-5D{446}[1]. [*Xgsp-5D*{446}]. pGsp{1185}. (1D)(5A,5B,5D)(7D).
Xfba114-5B{0034}. FBA114. (5B,5D).
Xfba114-5D{1059,0034}. 8.81. FBA114. (5B,5D). The arm location of *Xfba114-5D* was
    not reported in {1059}.
Xfba131-5A{1059}. 20.22. FBA131. (5A).
Xfba232-5B{1059}. FBA232. (5B).
Xfba232a-5B 14.42. (5B).
Xfba232b-5B 45.91. (5B).
Xfba342-5A{154}. FBA342. (5A,5B).
Xfba342-5B{1059}. FBA342. (5A,5B).
Xfba342a-5B 17.9. (5B).
Xfba342b-5B 42.33. (5B).
Xfba352-5A{1059}. 19.26. FBA352. (5A).
Xfba367-5B{1059}. FBA367. (5B,5B.1)(6A).
Xfba367-5B.1 32.03. (5B,5B.1)(6A).
Xfba393-5B{1059}. FBA393. (1A)(5B,5D).
Xfba393-5D{1059}. FBA393. (1A)(5B,5D).
Xfba393a-5B 17.12. (5B).
Xfba393b-5B 40.12. (5B,5D).
Xfba393b-5D 9.56. (5B,5D).
Xfbb121-5B.1{1059}. FBB121. (2B,2B.5)(4B,4B.1)(5B.1,5B.2)(7A).
Xfbb121-5B.2{1059}. 31.11. FBB121. (2B,2B.5)(4B,4B.1)(5B.1,5B.2)(7A).
Xfbb161-5B 19.48. (5B).
Xfbb238-5B{154}. 15.72. FBB238. (5B,5D)(7A).
Xfbb238-5D{1059}. 13.24. FBB238. (5B,5D)(7A). The arm location of *Xfbb238-5D* was
    not reported in {1059}.
Xfbb276-5B{1059}. FBB276. (5B).
Xfbb276a-5B 1.21. (5B).
Xfbb276b-5A 1.53. (5A).
Xfbb277-5B{1059}. FBB277. (3A,3A.2)(5B,5B.1).
Xfbb277-5B.1 19.35. (3A,3A.2)(5B,5B.1).
Xfbb277c-5A 1.53. (5A).
Xfbb292-5B{154}. 22.36. FBB292. (5B).
XgbxG37-5D{9958}. [*XgbxG037a-5D*{9958}]. gbxG037. (3B)(5D)(7B).
XgbxG60-5B{9958}. [*XgbxG060-5B*{9958}]. 39.8. gbxG060. (5B).
XgbxG198-5B{9958}. 43.86. gbxG198. (5B).
XgbxG625-5A{9958}. [*XgbxG625b-5B*{0354}]. 7.73. gbxG625. (5A,5B).
XgbxG625-5B{0354}. [*XgbxG625b-5B*{0354}]. gbxG625. (5A,5B).
XgbxR665-5A 3.62. (5A).
XgbxR958-5D{9958}. 17.47. gbxR958. (5D).
Xgdm68-5D{0173,0242}. DMS F68/DMS R68. (5A,5B,5D).

Xgdm109-5A{0173}. DMS F109/DMS R109. (5A).
Xglk163-5A{0031}. [*Xglk163a-5A*{0031}]. pTag163. (1B,1D)(4D)(5A,5B).
Xglk163a-5A 3.82. (5A).
Xglk317-5A{446}. [*Tag317*{446}]. pTag317{822}. (1B)(3D)(4D)(5A,5A.1,5A.2)(6A).
Xglk317-5A.1{822}. [*Xglk217a*{822}]. pTag317{822}. (1B)(3D)(4D)(5A,5A.1,5A.2)(6A).
Xglk317-5A.2{822}. [*Xglk217b*{822}]. pTag317{822}. (1B)(3D)(4D)(5A,5A.1,5A.2)(6A).
Xglk319-5A{446}. [*Tag319*{446}]. pTag319. (5A,5B,5D).
Xglk319-5B{822,446}. [*Tag319*{446}]. pTag319. (5A,5B,5D).
Xglk319-5D{446}. [*Tag319*{446}]. pTag319. (5A,5B,5D).
Xglk407-5A{154}. pTag407{822}. (2B)(5A).
Xgpw302-5D 23.91. (5D).
Xgpw326-5D 6.31. (5D).
Xgpw358b-5A 17.38. (5A).
Xgpw1056-5B 8.01. (5B).
Xgpw1072-5B 15.7. (5B).
Xgpw1102-5B 49. (5B).
Xgsy60-5B 28.19. (5B).
Xgwm16-5D{9929}. 21.43. WMS F16/WMS R16. (5D)(7B).
Xgwm66-5B{9929}. WMS F66/WMS R66. (4B)(5B).
Xgwm66a-5B 22.82. (5B).
Xgwm66b-5B 44.08. (5B).
Xgwm067-5B 48.61. (5B).
Xgwm68a-5B 20.88. (5B).
Xgwm68b-5B 47.2. (5B).
Xgwm154-5A{9929}. WMS F154/WMS R154. (5A).
Xgwm154a-5A 6. (5A).
Xgwm159-5B{9929}. WMS F159/WMS R159. (5B).
Xgwm159a-5B 19.48. (5B).
Xgwm159b-5B 46.01. (5B).
Xgwm190-5D{9929}. 5.21. WMS F190/WMS R190. (5D).
Xgwm191-5B{9929}. WMS F191/WMS R191. (2B)(5B,5B.1)(6B,6B.1).
Xgwm191-5B.1 43.89. (2B)(5B,5B.1)(6B,6B.1).
Xgwm192-5D 8. (4A,4A.1,4B,4B.2,4D,4D.3)(5D).
Xgwm205-5A{9929}. WMS F205/WMS R205. (5A,5D,5D.1).
Xgwm205-5D{9929}. WMS F205/WMS R205. (5A,5D,5D.1).
Xgwm205-5D.1 8.71. (5A,5D,5D.1).
Xgwm205a-5A 7.44. (5A).
Xgwm234-5B{724}. 20.57. WMS 234F/WMS 234R. (5B).
Xgwm293c-5B 34.87. (5B).
Xgwm304-5A{724,0242}. 23.97. WMS 304F/WMS 304R. (2A.2)(5A).
Xgwm358-5D{9929}. 12.86. WMS F358/WMS R358. (5D).
Xgwm443-5A{0242}. WMS F443/WMS R443. (5A,5A.1,5B.2).
Xgwm443-5A.1 6.74. (5A,5A.1,5B.2).
Xgwm443-5B.2 11.58. (5A,5A.1,5B.2).
Xgwm540-5B{9929}. 44.63. WMS F540/WMS R540. (5B).
Xgwm544-5B{9929}. 41.41. WMS F544/WMS R544. (5B).
Xgwm843-5B.1 26.44. (5B.1).
XksuD30-5D{1059,446}. [*ksud30*{446}]. 20.17. pTtksuD30,*pTtksud30*{446}.
    (3B)(5A,5B,5D).

XksuG44-5A{410}[1]. pTtksuG44. (5A,5A,5B,5B.1,5B.2,5D,5D)(6D). In physical mapping studies of *T. aestivum* {446}, no *XksuG44* loci were detected in the 5S arms but *XksuG44-5A, XksuG44-5B.1, XksuG44-5B.2,* and *XksuG44-5D* were located in the 5L arms.

XksuG44-5B{410}[1]. pTtksuG44. (5A,5A,5B,5B.1,5B.2,5D,5D)(6D). In physical mapping studies of *T. aestivum* {446}, no *XksuG44* loci were detected in the 5S arms but *XksuG44-5A, XksuG44-5B.1, XksuG44-5B.2,* and *XksuG44-5D* were located in the 5L arms.

XksuG44-5D{448}[4], {410}[1]. pTtksuG44. (5A,5A,5B,5B.1,5B.2,5D,5D)(6D). The arm location of *XksuG44-5D* in *Ae. tauschii* was not reported in {448}. In physical mapping studies of *T. aestivum* {446}, no *XksuG44* loci were detected in the 5S arms but *XksuG44-5A, XksuG44-5B.1, XksuG44-5B.2,* and *XksuG44-5D* were located in the 5L arms.

XksuG60-5B{446}. [*ksug60-6B*{446}]. pTtksuG60,*pTtksug60*{446}. (5B).

XksuH8-5A{282}[3]. pTtksuH8{448},*pHvksuH8*{446}. (2D.1,2D.2)(3D)(4A)(5A,5B)(7A,7B,7D).

XksuH8-5B{446}[1]. pTtksuH8{448},*pHvksuH8*{446}. (2D.1,2D.2)(3D)(4A)(5A,5B)(7A,7B,7D).

XksuI26-5B{446}[1]. [*ksui26*{446}]. pTtksuI26{448},*pTtksui26*{446}. (5B,5D).

XksuI26-5D{448}[4],{446}[1]. [*ksui26*{446}]. pTtksuI26{448},*pTtksui26*{446}. (5B,5D).

Xkvl922(Tha3)-5B{0091}. [*Tha3-5*{0091}]. pBH72-K10{0092}. (5B,5D).

Xkvl922(Tha3)-5D{0091}. [*Tha3-D*{0091}]. pBH72-K10{0092}. (5B,5D).

XM51P65-5B.4 47.62. (1A.5,1B.3)(2D.0)(4A.6)(5B.4)(6B.1)(7A.7).

XM71P77-5B.13 40.06. (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).

Xmgb341-5A{9959}[2]. MGB341. (5A,5B,5D).

Xmta9-5D{1239,0034}. 0.13. MTA9{629}. (5D). The arm location of *Xmta9-5D* was not reported in {1239}.

Xmta10-5D 0. (5D).

Xmtd116-5B{154}. 36.39. MTD116{629}. (5B).

Xmwg835-5A{282}[3]. MWG835{467}. (1A,1A.1,1A.2,1B.1,1B.2,1D)(2A)(5A). Mapping of the same 1A[m], 2A[m] and 5A[m] loci with MWG835 and MWG920 was reported in {282}.

Xmwg838-5A{282}[3]. MWG838{467}. (5A)(6A).

Xmwg920-5A{282}[3]. MWG920{467}. (1A.1,1A.2)(2A)(5A). Mapping of the same 1A[m], 2A[m] and 5A[m] loci with MWG920 and MWG835 was reported in {282}.

XNor10-5A{276}[3]. [*Nor10*{276}]. pTa71. (5A).

Xopai5-540-5D 20.09. (5D).

Xopf8-170-5B 29.09. (5B).

XP78M43-5A.10 21.06. (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).

XP78M72-5B.3 16.83. (1B.4)(2B.8,2D.4a)(5B.3)(6B.7)(7A.2).

XP78M92-5A.1 14.24. (4A.8)(5A.1,5A.7,5D.9).

Xpsp2152(Tel)-5D.2{888}. T4/PSP2152Ra. (2B.1,2D.1)(3B.3)(4B.12,4B.9)(5D.2).

Xpsp3045-5B{0253}. [*Xpsp3045-5B.2*{0253}]. PSP3045F/PSP3045R. (2A)(5B)(7D).

Xpsr118-5B 49. (5B).

Xpsr118(Ald)-5A{1329,1609}[b]. [*Xpsr118-5A*{1329,1609}]. PSR118. (5A,5B,5D).

Xpsr118(Ald)-5B{1329,1609}[b]. [*Xpsr118-5B*{1329,1609}]. PSR118. (5A,5B,5D).

Xpsr118(Ald)-5D{1329,1609}[b]. [*Xpsr118-5D*{1329,1609}]. PSR118. (5A,5B,5D).

Xpsr170(Fbpa)-5A{250,1609}[b]. [*Xpsr170-5A*{250,1609}]. PSR170. (3A,3B,3D)(5A,5B,5D).

Xpsr170(Fbpa)-5B{250,1609}[b]. [*Xpsr170-5B*{250,1609}]. PSR170. (3A,3B,3D)(5A,5B,5D).

Xpsr170(Fbpa)-5D{250,1609}[b]. [*Xpsr170-5D*{250,1609}]. PSR170. (3A,3B,3D)(5A,5B,5D).

Xpsr170a-5B 2.28. (3B,3D)(5B).

Xpsr170b-5B 39.29. (5B).

Xpsr170c-5A 0. (5A).

Xpsr304-5B 39.29. (2A,2B,2D)(5B).
Xpsr326-5A{1609,419}. PSR326. (5A,5A.1,5B,5D).
Xpsr326-5A.1 18. (5A,5A.1,5B,5D).
Xpsr326-5B{1609,419}. PSR326. (5A,5A.1,5B,5D).
Xpsr326-5D{1609,419}. PSR326. (5A,5A.1,5B,5D).
Xpsr326a-5B 9.71. (5B).
Xpsr326b-5B 49. (5B,5D).
Xpsr326b-5D 25.26. (5B,5D).
Xpsr386-5A.3 18. (1A,1A.1)(2A)(3B,3B.4)(5A,5A.3)(7A,7A.2).
Xpsr549-5A{0031}. 2.03. PSR549. (1A.1,1A.2)(2B)(3A)(5A).
Xpsr618-5B{1609}. PSR618. (5B).
Xpsr628-5A{446}. [*pTapsr628*{623}]. PSR628. (5A,5B,5D).
Xpsr628-5B{446}. [*pTapsr628*{623}]. PSR628. (5A,5B,5D).
Xpsr628-5D{446}. [*pTapsr628*{623}]. PSR628. (5A,5B,5D).
Xpsr644-5A{0031}. [*Xpsr644a-5A*{0031}]. PSR644. (2B)(5A).
Xpsr644a-5A 10.51. (5A).
Xpsr903-5D{250,256}. PSR903. (2D)(3A,3B,3D)(5D).
Xpsr929-5A{1609}. PSR929. (5A,5B,5D).
Xpsr929-5B{1609}. PSR929. (5A,5B,5D).
Xpsr929-5D{1609}. PSR929. (5A,5B,5D).
Xpsr929a-5B 9.71. (5B).
Xpsr929b-5B 43.62. (5B).
Xpsr940-5A{1609}. PSR940. (5A,5B,5D).
Xpsr940-5B{1609}. PSR940. (5A,5B,5D).
Xpsr940-5D{1609}. PSR940. (5A,5B,5D).
Xpsr945-5A{1609}. PSR945. (5A,5B,5D).
Xpsr945-5B{1609}. PSR945. (5A,5B,5D).
Xpsr945-5D{1609}. PSR945. (5A,5B,5D).
Xpsr945a-5A 19.44. (5A).
Xpsr946-5D{1609}. PSR946. (1D)(2D)(3A)(5D)(7A.1,7A.2,7D.1,7D.2,7D.3).
Xpsr1204-5A{1609}. PSR1204. (5A,5B,5D).
Xpsr1204-5B{1609}. PSR1204. (5A,5B,5D).
Xpsr1204-5D{1609}. PSR1204. (5A,5B,5D).
Xpsr1327-5D{410}. PSR1327. (1A,1D)(3B)(4A)(5D).
Xrgc3-5A{0034}. RGC3. (5A).
Xrgr2104-5A{0034}. RGR2105. (5A,5D).
Xrgr2104-5D{0034}. RGR2105. (5A,5D).
Xrgr3226-5A{9969}. RGR3226{740}. (5A,5D).
Xtam41-5A{245}. TAM41. (5A,5D).
Xtam41-5D{245}. TAM41. (5A,5D).
Xtam53-5A{245}. TAM53. (5A,5B,5D).
Xtam53-5B{245}. TAM53. (5A,5B,5D).
Xtam53-5D{245}. TAM53. (5A,5B,5D).
Xtam54-5A{245}. TAM54. (5A,5B,5D).
Xtam54-5B{245}. TAM54. (5A,5B,5D).
Xtam54-5D{245}. TAM54. (5A,5B,5D).
Xubp3-5A{9959}[2]. UBP3. (5A).
Xutv711-5A{0152}. UTV711. (5A).
Xutv1441-5A{0152}. UTV1441. (1A)(2A)(3B)(4B)(5A)(6B).
Xwaxc1(Acl1.1)-5A{254}. [*XAcl1-5A*{254}]. pACP11. (5A,5B,5D).
Xwaxc1(Acl1.1)-5B{254}. [*XAcl1-5B*{254}]. pACP11. (5A,5B,5D).

Xwaxc1(Acl1.1)-5D{254}. [*XAcl1-5D*{254}]. pACP11. (5A,5B,5D).
XWB117e-5A 18. (5A).
XWB180e-5A 19.23. (5A).
XWD115l-5B 26.51. (5B).
Xwg232-5A.3 16.77.
   (1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).
Xwg232-5B.2 37.66.
   (1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).
Xwg341-5A{282}[3]. WG341{028}. (5A,5D)(6B,6B.1,6B.2,6B.3)(7A,7B,7D).
Xwg341-5D{9926}[4]. WG341{028}. (5A,5D)(6B,6B.1,6B.2,6B.3)(7A,7B,7D).
Xwg443-5B{9929}. WMS F443/WMS R443. (5B).
Xwg2322-5B 37.66. (5B).
Xwmc73b-5B 29.09. (5B).
Xwmc96y-5A 14.3. (5A).
Xwmc149-5B{0242}. 19.39. WMC 149F/WMC 149R. (2B)(5B).
Xwmc150-5D.2 19.64. (5D.2).
Xwmc159-5A{0242}. WMC 159F/WMC 159R. (5A).
Xwmc169d-5A 7.49. (5A).
Xwmc173e-5A 0. (5A).
Xwmc188-5B 31.93. (5B).
Xwmc233-5D{0242}. 0. WMC 233F/WMC 233R. (5D).
Xwmc247-5B 23.91. (5B)(7A).
Xwmc318-5D 20.63. (5D).
Xwmc333-5B.2 28.15. (1A)(5B.2).
Xwmc363-5B 29.57. (5B).
Xwmc376-5B{0242}. 29.09. WMC 376F/WMC 376R. (5B).
Xwmc388a-5A 6.74. (5A).
Xwmc434a-5D 15.27. (2B)(5D).
Xwmc435b-5B 30.51. (5B).
Xwsu(Dor5)-5A{281}[3]. [*XDor5-5A*{281}]. pMA1951{1036}. (5A).

21. Group 5L

B1 (Tipped 1)-5A 106.78. (5A).
lbfb-5D 59.96. (5D).
lfb-D1b-5D 59.96. (5D).
M60/P64-5A.4 85.68. (1A.8)(2A.6)(3B.11,3B.13,3B.5a)(4A.1,4A.10)(5A.4)(6A.2).
M62/P64-5D.9a 77.96. (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7B.11,7B.2,7B.9,7D.6).
M65/P64-5B.8a 90.97. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7B.2).
M65/P64-5A.9a 108.54. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7B.2).
M71/P77-5A.8 46.5. (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).
M77/P64-5D.8 63.87. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
M77/P64-5D.10 100.28. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
M85/P65-5A.0 77.28. (1B.5)(2A.4)(5A.0,5A.2)(6A.3,6B.6).
M85/P65-5A.2 34.63. (1B.5)(2A.4)(5A.0,5A.2)(6A.3,6B.6).
P31/M55-3-5A 52.3. (5A).
P31/M56-3-5B 74.19. (5B).
P31/M58-2-5A 70.91. (5A).
P32/M48-237-5D 67.76. (5D).
P32/M51-4-5B 66.61. (5B).
P32/M51-7-5A 59.43. (5A).
P32/M52-243-5B 127.3. (5B).

P32/M52-374-5B 130.04. (5B).
P32/M59-4-5B 100.29. (5B).
P32/M59-8-5B 76.33. (5B).
P33/M52-4-5A 63.02. (5A).
P33/M60-1-5A 90.24. (5A).
P33/M60-4-5B 71.38. (5B).
P33/M60-5-5A 54.94. (5A).
P34/M47-4-5B 123.47. (5B).
P34/M50-1-5B 124.96. (5B).
P34/M58-3-5B 75.62. (5B).
P35/M52-2-5B 67. (5B).
P35/M54-6-5A 57.62. (5A).
P35/M55-2-5B 64.96. (5B).
P35/M55-4-5A 88.39. (5A).
P35/M57-1-5D 107.2. (5D).
P35/M57-3-5D 32.17. (5D).
P36/M61-170-5D 58.42. (5D).
P37/M47-3-5B 61.04. (5B).
P37/M49-4-5B 59.43. (5B).
P37/M51-3-5B 62.98. (5B).
P37/M54-1-5B 69.89. (5B).
P38/M47-1-5D 81.76. (5D).
P38/M47-3-5D 90.22. (5D).
P38/M51-1-5B 78.38. (5B).
P38/M54-8-5A 60.07. (5A).
P38/M59-147-5A 81.53. (5A).
P39/M49-135-5B 126.14. (5B).
P39/M69-800-5A 29.08. (5A).
P40/M54-4-5A 73.91. (5A).
P40/M55-4-5B 62.98. (5B).
P40/M55-5B 58.16. (5B).
P40/M55-7-5B 119.17. (5B).
P40/M61-9-5A 60.73. (5A).
P40/M61-11-5B 62.98. (5B).
P41/M47-5-5B 96.47. (5B).
P41/M47-10-5A 35.22. (5A).
P41/M48-184-5A 38.66. (5A).
P41/M49-76-5A 33.5. (5A).
P41/M49-338-5A 66.02. (5A).
P41/M60-6-5B 67.72. (5B).
P42/M60-1-5B 97.97. (5B).
P43/M59-1-5B 106.69. (5B).
P43/M62-5-5A 110.35. (5A).
P44/M68-109-5B 69.14. (5B).
P78/M43-5A.3 28.4.
   (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
P78/M43-5A.9a 51.02.
   (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
P78/M49-5B.3 55.74. (3D.5)(4A.6)(5B.3)(7B.2).
P78/M69-5B 52.77. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B).
P78/M92-5A.7 28.4. (4A.8)(5A.1,5A.7,5D.9).

P78/M92-5D.9 95.69. (4A.8)(5A.1,5A.7,5D.9).
PA41/M47-4-5B 103.17. (5B).
pTamwg522-5B{446}. MWG522,*pTamwg522*{446}. (5B).
Rab16-5A 77.28. (5A).
vm-A1-5A 66.41. (5A).
Vrn1-5A 66.41. (5A).
X_b-Amy-1-5A 116.29. (5A).
Xabc155-5A{0148}. ABC155. (1D)(5A,5B,5D).
Xabc155-5B{0148}. ABC155. (1D)(5A,5B,5D).
Xabc155-5D{0148}. ABC155. (1D)(5A,5B,5D).
Xabc164-5B{1059}. 52.44. ABC164. (5B).
Xabc168-5A{0148}. ABC168. (5A,5B,5D).
Xabc168-5B{0148}. ABC168. (5A,5B,5D).
Xabc168-5D{0148}. ABC168. (5A,5B,5D).
Xabc309-5B{446}. ABC309,*pHvabc309*{446}. (5B,5D).
Xabc309-5D{446}. ABC309,*pHvabc309*{446}. (5B,5D).
Xabc310-5B.1 160.19. (3B)(4A)(5B,5B.1)(7A,7B).
Xabc706-5A{282}[3]. ABC706{664}. (5A).
Xabc717-5A{9933}[1,3]. ABC717. (5A).
Xabg3-5D{0242}. [*Xabg3b-5A*{0242}]. 58.42. ABG3. (5A,5D).
Xabg55-5A{282}[3]. ABG55{664}. (1A.1,1A.2)(3A)(4A)(5A).
Xabg314-5A{9933}[1,3]. ABG314. (5A).
Xabg366-5A{1059}. 89.71. ABG366. (5A).
Xabg387-5A{282}[3]. ABG387{664}. (1A.1,1A.2,1B,1D)(3A)(4A)(5A)(6A,6B). Mapping of
   the same $1A^m$, $3A^m$, $4A^m$, and $5A^m$ loci with ABG387 and ABG55 was reported in {282}.
Xabg391-5A{1059}[1]. 86.38. ABG391. (5A,5D).
Xabg391-5D{9926}[4], {0148}[1]. ABG391. (5A,5D).
Xabg463-5B{0242}. ABG463. (4A,4D)(5B,5D.1,5D.2).
Xabg473-5A{9933}[1,3]. ABG473. (5A,5B,5B.1,5D)(6A,6B,6B.2).
Xabg473-5B{1059}[1]. ABG473. (5A,5B,5B.1,5D)(6A,6B,6B.2).
Xabg473-5B.1 65.13. (5A,5B,5B.1,5D)(6A,6B,6B.2).
Xabg473-5D{0148}[1]. ABG473. (5A,5B,5B.1,5D)(6A,6B,6B.2).
Xabg496-5A{9933}[1,3]. ABG496. (2A)(5A).
XAga6-5A{282}[3]. blpl{656}. (5A).
Xbar197-5A.2 44.75. (5A.2).
Xbarc1-5A 30.05. (5A).
Xbarc40-5A 29.81. (5A).
Xbarc59-5B 131.23. (5B).
Xbarc69-5B 130.03. (5B).
Xbarc74-5B 52. (5B).
Xbarc89-5B 53.64. (5B).
Xbarc93-5D 66.21. (5D).
Xbarc100-5A 28.13. (5A).
Xbarc110-5D 82.87. (5D).
Xbarc140-5B 111.65. (5B).
Xbarc141-5A 38.92. (5A).
Xbarc142-5B 117.07. (5B).
Xbarc144-5D 96.7. (5D).
Xbarc151-5A 53.86. (5A).
Xbarc156-5B 115.23. (5B).
Xbarc165-5A 34.92. (5A).

Xbarc177-5D 93.39. (5D).
Xbarc197-5A.2 44.75. (3A.1)(5A.2).
Xbarc230-5A 67.28. (5A).
Xbarc232-5B 119.28. (5B).
Xbarc286-5D 39.39. (5D).
Xbarc308-5B.1 116.24. (4D.2)(5B.1).
Xbarc319-5A 71.76. (5A).
Xbarc320-5D 55.57. (5D).
Xbarc322-5D 74.78. (5D).
Xbarc330-5A 47.87. (5A).
Xbarc347-5D 48.6. (5D).
Xbarc360-5A 25.81. (5A).
Xbarc361-5D.2 61.48. (2B.1)(5D.2).
Xbcd2-5A{9933}. BCD21. (5A).
Xbcd9-5A{282}[3]. BCD9{028}. (5A,5A.1,5A.2,5B,5D)(6D).
Xbcd9-5A.1{0148}[1]. [*Xbcd9a-5A*{0148}]. BCD9{028}. (5A,5A.1,5A.2,5B,5D)(6D).
Xbcd9-5A.2{0148}[1]. [*Xbcd9b-5A*{0148}]. BCD9{028}. (5A,5A.1,5A.2,5B,5D)(6D).
Xbcd9-5B{1059}[1]. 79.19. BCD9{028}. (5A,5A.1,5A.2,5B,5D)(6D).
Xbcd9-5D{0148}. BCD9{028}. (5A,5A.1,5A.2,5B,5D)(6D).
Xbcd21-5D{0148}. BCD21. (1B)(3B)(5A,5D)(6A,6B,6D).
Xbcd87-5D{028}{1059}. [*XcnlBCD87-5D*{961}, *XcnlBCD87-5B*{961}, *XcnlBCD87-5D*{961}]. 97.4. BCD87. (5B,5D)(7B).
Xbcd87b-5D 100. (5D).
Xbcd102-5B{0354}. BCD102. (2D)(5B)(6A,6B,6B.1).
Xbcd157-5A{1059}. BCD157{545},*pHvcnlbcd157*{446}. (5A,5B,5B.1,5D).
Xbcd157-5B{1059}. BCD157{545},*pHvcnlbcd157*{446}. (5A,5B,5B.1,5D).
Xbcd157-5B.1 53. (5A,5B,5B.1,5D).
Xbcd157-5D{446}. BCD157{545},*pHvcnlbcd157*{446}. (5A,5B,5B.1,5D).
Xbcd157b-5A 45.11. (5A).
Xbcd183-5A{1059}. 58.34. BCD183{545}. (5A,5B,5D).
Xbcd183-5B{0148}. BCD183{545}. (5A,5B,5D).
Xbcd183-5D{0148}. BCD183{545}. (5A,5B,5D).
Xbcd197-5D{1059}. 99.52. BCD197{545}. (5D).
Xbcd204-5A{282}[3], {446}[1]. BCD204{028}. (5A,5B.1,5B.2,5D).
Xbcd204-5B.1{446}[1]. BCD204{028}. (5A,5B.1,5B.2,5D).
Xbcd204-5B.2{446}[1]. BCD204{028}. (5A,5B.1,5B.2,5D).
Xbcd204-5D{446}[1]. BCD204{028}. (5A,5B.1,5B.2,5D).
Xbcd221-5B 117.03. (2B)(4B)(5B)(6B).
Xbcd265-5A{282}[3]. BCD265{028}. (1A,1B,1D)(2B)(4B,4D)(5A).
Xbcd298-5A{282}[3]. BCD298{028}. (5A).
Xbcd307-5B.1{0148}. [*Xbcd307a-5B*{0148}]. BCD307. (2B)(5B.1,5B.2).
Xbcd307-5B.2{0148}. [*Xbcd307b-5B*{0148}]. BCD307. (2B)(5B.1,5B.2).
Xbcd351-5A{255,282}[3]. BCD351{028},*pHvcnlbcd351*{446}. (5A,5B,5D). Two *Xbcd351-5A* loci were reported in {446}.
Xbcd351-5B{446}. 59.86. BCD351{028},*pHvcnlbcd351*{446}. (5A,5B,5D).
Xbcd351-5D{446}. BCD351{028},*pHvcnlbcd351*{446}. (5A,5B,5D).
Xbcd450-5A{446}. BCD450{545},*pHvcnlbcd450*{446}. (5A,5B,5D,5D.2).
Xbcd450-5B{1059}. BCD450{545},*pHvcnlbcd450*{446}. (5A,5B,5D,5D.2).
Xbcd450-5D{1059}. BCD450{545},*pHvcnlbcd450*{446}. (5A,5B,5D,5D.2).
Xbcd450-5D.2 63.73. (5A,5B,5D,5D.2).
Xbcd450b-5B 101.5. (5B).

Xbcd454-5A{9969}. BCD454{545}. (1A,1B)(5A).

Xbcd508-5A{255,282}[3], {0148}[1]. 38.35. BCD508{028,545},*pHvcnlbcd508*{446}. (1A,1B,1B.2,1D)(5A,5B,5B.1,5D.1,5D.2).

Xbcd508-5B{1059}[1]. BCD508{028,545},*pHvcnlbcd508*{446}. (1A,1B,1B.2,1D)(5A,5B,5B.1,5D.1,5D.2).

Xbcd508-5B.1 64.48. (1A,1B,1B.2,1D)(5A,5B,5B.1,5D.1,5D.2).

Xbcd508-5D.1{446}[1]. BCD508{028,545},*pHvcnlbcd508*{446}. (1A,1B,1B.2,1D)(5A,5B,5B.1,5D.1,5D.2).

Xbcd508-5D.2{446}[1]. BCD508{028,545},*pHvcnlbcd508*{446}. (1A,1B,1B.2,1D)(5A,5B,5B.1,5D.1,5D.2).

Xbcd603-5A{9933}[1,3]. BCD603. (5A).

Xbcd873-5D{0242}. BCD873{545}. (5B,5D)(7A,7D).

Xbcd876-5A{860}. BCD876. (5A).

Xbcd881-5A{0148}. BCD881. (5A,5B,5D).

Xbcd881-5B{0148}. BCD881. (5A,5B,5D).

Xbcd881-5D{0148}. BCD881. (5A,5B,5D).

Xbcd926-5A{1059}. 44.13. BCD926{545}. (5A,5B).

Xbcd926-5B{0034}. BCD926{545}. (5A,5B).

Xbcd981-5A{1059}. BCD981{545}. (5A).

Xbcd981a-5A 48.56. (5A).

Xbcd1030-5B{1059, 0148}. 93. BCD1030{545}. (5A,5B,5D).

Xbcd1030-5A{0148}. BCD1030{545}. (5A,5B,5D).

Xbcd1030-5D{0148}. BCD1030{545}. (5A,5B,5D).

Xbcd1087-5A{0034}. BCD1087,*pHvcnlbcd1087*{446}. (5A,5B,5D).

Xbcd1087-5B{0034}. *pHvcnlbcd1087*{446},BCD1087. (5A,5B,5D).

Xbcd1087-5D{446}. BCD1087,*pHvcnlbcd1087*{446}. (5A,5B,5D).

Xbcd1088-5A{1059}. 49.39. BCD1088{545}. (5A).

Xbcd1103-5D{1059}. 79.06. BCD1103{545}. (5D).

Xbcd1140-5B{1059}. 59.56. BCD1140{545}. (5B).

Xbcd1235-5A.1{1059}. BCD1235{545}. (5A.1,5A.2 ,5B,5D.1,5D.2).

Xbcd1235-5A.2 {1059}. BCD1235{545}. (5A.1,5A.2 ,5B,5D.1,5D.2).

Xbcd1235-5B{0148}. BCD1235{545}. (5A.1,5A.2 ,5B,5D.1,5D.2).

Xbcd1235-5D.1{0148}. BCD1235{545}. (5A.1,5A.2 ,5B,5D.1,5D.2).

Xbcd1235-5D.2{0148}. BCD1235{545}. (5A.1,5A.2 ,5B,5D.1,5D.2).

Xbcd1235a-5A 53. (5A).

Xbcd1235b-5A 81.67. (5A).

Xbcd1335b-5A 31.66. (5A).

Xbcd1355-5A{1059}. 44.74. BCD1355{545}. (5A).

Xbcd1421-5D{1059}. 96.81. BCD1421{545}. (5D).

Xbcd1427-5A{0148}. BCD1427. (5A,5B,5D).

Xbcd1427-5B{0148}. BCD1427. (5A,5B,5D).

Xbcd1427-5D{0148}. BCD1427. (5A,5B,5D).

Xbcd1670b-5D 92.63. (5D).

Xbcd1734-5A{0148}. BCD1734. (5A,5B,5D).

Xbcd1734-5B{0148}. BCD1734. (5A,5B,5D).

Xbcd1734-5D{0148}. BCD1734. (5A,5B,5D).

Xbcd1874-5D{1059}. 35.78. BCD1874{545}. (5D).

Xbcd1874a-5A 49.76. (5A).

Xbcd1949-5A{1059}. 49.57. BCD1949{545}. (5A).

Xbcd-5D{0148}. BCD21. (5D).

Xbd1235a-5A 50.66. (5A).

Xbd1235b-5A 87.73. (5A).

Xcdo20a-5A 95.41. (5A).

Xcdo57-5A{1059}. CDO57{545},*pAscncdo57*{446}. (1A)(2A,2A.3)(5A,5B,5D)(7A,7B,7D).

Xcdo57-5B{446}. CDO57{545},*pAscncdo57*{446}. (1A)(2A,2A.3)(5A,5B,5D)(7A,7B,7D).

Xcdo57-5D{1059}. CDO57{545},*pAscncdo57*{446}. (1A)(2A,2A.3)(5A,5B,5D)(7A,7B,7D).

Xcdo57a-5A 28.15. (5A).

Xcdo57b-5A 49.76. (5A,5D).

Xcdo57b-5D 38.9. (5A,5D).

Xcdo87-5A{0148}. CDO87. (5A,5B,5D).

Xcdo87-5B{0148}. CDO87. (5A,5B,5D).

Xcdo87-5D{0148}. CDO87. (5A,5B,5D).

Xcdo213-5B{446}. CDO213,*pAscnlcdo213*{446}. (5B,5D).

Xcdo213-5D{446}. CDO213,*pAscnlcdo213*{446}. (5B,5D).

Xcdo341a-5A 27.32. (5A).

Xcdo346-5D{1059}. CDO346{545}. (1B,1B.2)(2A)(5D).

Xcdo346a-5B 75.95. (5B,5D).

Xcdo346a-5D 81.73. (5B,5D).

Xcdo348-5A{282}[3]. CDO348{028,545}. (5A,5B,5D).

Xcdo348-5B{1059}[1]. 108.06. CDO348{028,545}. (5A,5B,5D).

Xcdo348-5D{9926}[4]. CDO348{028,545}. (5A,5B,5D).

Xcdo385-5A{0148}. CDO385. (5A,5B,5D).

Xcdo385-5B{0148}. CDO385. (5A,5B,5D).

Xcdo385-5D{0148}. CDO385. (5A,5B,5D).

Xcdo388-5A{282}[3], {446}[1]. [*cdo388-5Db*{446}]. CDO388{028},*pAscnlcdo388*{446}. (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2). Two loci were detected for *Xcdo388-5A* and *Xcdo388-5D* in {0148}.

Xcdo388-5D{446}[1]. [*cdo388-5Db*{446}]. CDO388{028},*pAscnlcdo388*{446}. (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2). Two loci were detected for *Xcdo388-5A* and *Xcdo388-5D* in {0148}.

Xcdo394a-5A 95.54. (5A).

Xcdo400-5A{446}. CD400,*pAscnlcdo400*{446}. (5A,5B,5D).

Xcdo400-5B{446}. 68.08. CD400,*pAscnlcdo400*{446}. (5A,5B,5D).

Xcdo400-5D{446}. CD400,*pAscnlcdo400*{446}. (5A,5B,5D).

Xcdo412-5A{1059}. CDO412{545}. (5A,5A.1,5B,5D)(7B).

Xcdo412-5A.1 34.52. (5A,5A.1,5B,5D)(7B).

Xcdo412-5B{1059}. 56.44. CDO412{545}. (5A,5A.1,5B,5D)(7B).

Xcdo412-5D{1059}. CDO412{545}. (5A,5A.1,5B,5D)(7B).

Xcdo412b-5D 32.95. (5D).

Xcdo457-5A{1059}. 86.86. CDO457{545}. (5A,5B,5D).

Xcdo457-5B{0148}. CDO457{545}. (5A,5B,5D).

Xcdo457-5D{0148}. CDO457{545}. (5A,5B,5D).

Xcdo465-5B{0148}[1]. CDO465{028}. (5A,5B,5D).

Xcdo465-5D{0148}[1]. CDO465{028}. (5A,5B,5D).

Xcdo465b-5B 99.01. (5B).

Xcdo475-5B{0354}. CDO475. (4A,4A.1)(5B)(7A,7D).

Xcdo484-5B{028,255,446}. [*XcnlCDO484-5B*{961}]. *pAscnlcdo484*{446},CDO484. (4A)(5B,5D).

Xcdo484-5D'{028,255,446}. [*XcnlCDO484-5D*{961}]. *pAscnlcdo484*{446},CDO484. (4A)(5B,5D).

Xcdo504-5A{419,282}[3]. CDO504{545}. (5A,5B,5D).

Xcdo504-5B{1059}. 97.21. CDO504{545}. (5A,5B,5D).

Xcdo504-5D{0034}. CDO504{545}. (5A,5B,5D).
Xcdo506-5D{1059}. 99.52. CDO506{545}. (4A)(5D).
Xcdo520-5A{0034}. CDO520. (5A,5D).
Xcdo520-5D{0034}. CDO520. (5A,5D).
Xcdo548-5A{9933}[1,3]. CDO548. (5A,5A.1,5A.2,5B,5D.1,5D.2).
Xcdo548-5A.1{0148}[1]. [*Xcdo548a-5A*{0148}]. CDO548. (5A,5A.1,5A.2,5B,5D.1,5D.2).
Xcdo548-5A.2{0148}[1]. [*Xcdo548b-5A*{0148}]. CDO548. (5A,5A.1,5A.2,5B,5D.1,5D.2).
Xcdo548-5B{0148}[1]. CDO548. (5A,5A.1,5A.2,5B,5D.1,5D.2).
Xcdo548-5D.1{0148}[1]. [*Xcdo548a-5D*{0148}]. CDO548. (5A,5A.1,5A.2,5B,5D.1,5D.2).
Xcdo548-5D.2{0148}[1]. [*Xcdo548b-5D*{0148}]. CDO548. (5A,5A.1,5A.2,5B,5D.1,5D.2).
Xcdo584-5B{1059}. 112.93. CDO584{545}. (5A,5B,5D).
Xcdo584-5A{0068}. CDO584{545}. (5A,5B,5D).
Xcdo584-5D{0148}. CDO584{545}. (5A,5B,5D).
Xcdo590-5A{9969}. CDO590{545}. (5A,5B,5D).
Xcdo590-5B{0034}. CDO590{545}. (5A,5B,5D).
Xcdo590-5D{0034}. CDO590{545}. (5A,5B,5D).
Xcdo666-5A 46.38. (5A).
Xcdo735-5A{9933}[1,3]. CDO735. (5A).
Xcdo775-5B{0269}[2]. CDO775. (5B)(7A,7B,7D).
Xcdo785-5A{1059}. 30.31. CDO785{545}. (5A).
Xcdo786-5A{860}. CDO786,*pTscnlcdo786*{446}. (5A,5D)(7D).
Xcdo786-5D{446}. CDO786,*pTscnlcdo786*{446}. (5A,5D)(7D).
Xcdo1049-5A{282}[3],{446}. CDO1049{028},*pAscnlcdo1049*{446}. (5A,5B,5D).
Xcdo1049-5B{446}[1]. CDO1049{028},*pAscnlcdo1049*{446}. (5A,5B,5D).
Xcdo1049-5D{446}[1]. CDO1049{028},*pAscnlcdo1049*{446}. (5A,5B,5D).
Xcdo1088{0068}. CDO1088.
Xcdo1090-5A{1059}. CDO1090{545}. (2A)(5A).
Xcdo1090a-5A 46.68. (5A).
Xcdo1168-5A{255,282}[3]. CDO1168{028}. (5A,5B,5D.1,5D.2).
Xcdo1168-5B 68.13. (5A,5B,5D.1,5D.2).
Xcdo1168-5D.1{9926}[4]. cdo1168{028}. (5A,5B,5D.1,5D.2).
Xcdo1168-5D.2{9926}[4]. CDO1168{028}. (5A,5B,5D.1,5D.2).
Xcdo1189-5A{865}. CDO1189. (1B)(5A,5B,5D)(7B).
Xcdo1189-5B{865}. CDO1189. (1B)(5A,5B,5D)(7B).
Xcdo1189-5D{865}. CDO1189. (1B)(5A,5B,5D)(7B).
Xcdo1192-5B{1059}. 63.57. CDO1192{545}. (5B).
Xcdo1312c-5A 90.62. (5A).
Xcdo1326-5A{1059}. CDO1326{545}. (5A,5B,5B.1,5D).
Xcdo1326-5B{1059}. CDO1326{545}. (5A,5B,5B.1,5D).
Xcdo1326-5B.1 108.89. (5A,5B,5B.1,5D).
Xcdo1326-5D{0148}. CDO1326{545}. (5A,5B,5B.1,5D).
Xcdo1326a-5A 69.08. (5A).
Xcdo1373a-5D 100.93. (5D).
Xcdo1475-5A{0148}. CDO1475. (5A,5B).
Xcdo1475-5B{0148}. CDO1475. (5A,5B).
Xcdo1508-5D{1059}. 54.65. CDO1508{545}. (5D).
Xcdo1528a-5A 95.54. (5A).
Xcfa2141a-5A 70.84. (5A).
Xcfd2a-5B 56.95. (3A)(5B).
Xcfd2b-5D 84.95. (2A)(5D).
Xcfd3-5D{0349}. 52.23. CFD 3F/CFD 3R. (5D).

Xcfd7-5D{0349,0354}. [*Xcfd4A6-5D*{0354}]. CFD 7F/CFD 7R. (5D).
Xcfd7b-5B 73.86. (5B).
Xcfd8-5D{0349}. 35.34. CFD 8F/CFD 8R. (5D).
Xcfd12-5D{0349}. 49.71. (5D).
Xcfd19c-5D 72.37. (1D)(5D).
Xcfd25b-5D 99.22. (5D).
Xcfd26-5D{0349}. 47.57. CFD 26F/CFD 26R. (5D).
Xcfd29-5D{0349}. 74.22. CFD 29F/CFD 29R. (5D).
Xcfd39b-5A 83.19. (4D)(5A).
Xcfd57-5D{0349}. 43.53. CFD 57F/CFD 57R. (5D).
Xcfd86a-5D 83.83. (5D).
Xcfd86b-5B 120.62. (5B).
Xcfd101-5D 49.1. (5D).
Xcfd156-5B 87.07. (5B).
Xcmwg701-5A.1{282}[3]. cMWG701{467}. (1A,1A.1,1A.2,1D)(5A.1,5A.2). Mapping of the same 1A and 5A loci with cMWG701 and pKG1490 [*Xpkg1490(Cab2)-1A, Xpkg1490(Cab2)-5A.1* and *Xpkg1490(Cab2)-5A.2*] was reported in {280} and {282}.
Xcmwg701-5A.2{282}[3]. cMWG701{467}. (1A,1A.1,1A.2,1D)(5A.1,5A.2). Mapping of the same 1A and 5A loci with cMWG701 and pKG1490 [*Xpkg1490(Cab2)-1A, Xpkg1490(Cab2)-5A.1* and *Xpkg1490(Cab2)-5A.2*] was reported in {280} and {282}.
Xcn111(Lpx-B2)-5B{0269}[2]. [*Lox11-1*{0269}[2]]. LOX11-1. (5B).
Xcnl3b-5A 36.41. (5A).
Xcsc2(Dhn2)-5A.1{281}[3]. [*XDhn2-5A.1*{281}]. pTZ19R-B9{210},*dhn2*{446}. (5A.1,5A.2,5B,5D).
Xcsc2(Dhn2)-5A.2{281}[3]. [*XDhn2-5A.2*{281}]. pTZ19R-B9{210},*dhn2*{446}. (5A.1,5A.2,5B,5D).
Xcsc2(Dhn2)-5B{446}. [*XDhn2-dhn-5B*{446}]. pTZ19R-B9{210},*dhn2*{446}. (5A.1,5A.2,5B,5D).
Xcsc2(Dhn2)-5D{446}. [*XDhn2-dhn-5D*{446}]. pTZ19R-B9{210},*dhn2*{446}. (5A.1,5A.2,5B,5D).
XDO1312-4B{1059}, {028}[1]. CDO1312. (4B).
Xfba11-5D{1059}. 98.88. FBA011. (5D).
Xfba11a-5D 100. (5D).
Xfba43-5A{154}. FBA043. (4A)(5A).
Xfba65-5B{154}. 56.16. FBA065. (2D)(4A)(5B)(6A)(7A).
Xfba68-5A{1059}. 69.52. FBA068. (5A,5B,5D).
Xfba68-5B{0148}. FBA068. (5A,5B,5D).
Xfba68-5D{0148}. FBA068. (5A,5B,5D).
Xfba127-5B{1059}. FBA127. (2B)(3A,3A.1)(5B)(6B)(7A).
Xfba127c-5B 54.42. (5B).
Xfba166-5A{1059}. FBA166. (5A,5B,5B.1).
Xfba166-5B{1059}. FBA166. (5A,5B,5B.1).
Xfba166-5B.1 79.75. (5A,5B,5B.1).
Xfba166a-5A 56.1. (5A).
Xfba166b-5D 47.86. (5D).
Xfba190-5A{1059}. FBA190. (3B,3B.2,3D,3D.3)(5A,5A.1).
Xfba190-5A.1 61.69. (3B,3B.2,3D,3D.3)(5A,5A.1).
Xfba209-5D{1059}. FBA209. (2A,2B.1,2B.2,2D.1,2D.2)(5D).
Xfba209c-5D 62.45. (5D).
Xfba237-5B 86.99. (5B).
Xfba259c-5B 90.28. (5B).

Xfba332-5B{1059}. 82.81, 90.87. FBA332. (5B).
Xfba340-5D{0354}. [*Xfba340b-5D*{0354}]. FBA340. (5D)(6B)(7A,7B). It is not known
  whether *Xfba340-5D* belongs to group 5L or 4AL:5BL:5DL.
Xfba348-5B{1059}. 80.11. FBA348. (5B).
Xfba351-5A{1059}. FBA351. (5A,5B,5B.2,5D).
Xfba351-5B{1059}. FBA351. (5A,5B,5B.2,5D).
Xfba351-5B.2 113.85. (5A,5B,5B.2,5D).
Xfba351-5D{0148}. FBA351. (5A,5B,5B.2,5D).
Xfba351a-5A 78.38. (5A).
Xfba359-5A{154}. FBA359. (2B,2B.1)(4A)(5A)(6B).
Xfba364-5D{1059}. 97.61. FBA364. (5D).
Xfbb2-5A{1059}. 46.35. FBB002. (5A).
Xfbb26-5D{1059}. 57.17. FBB026. (5D).
Xfbb100-5D{1059}. 88.66. FBB100. (5D).
Xfbb121a-5B 60.86. (5B).
Xfbb156-5D{1059}. FBB156. (3B)(5D)(6B)(7A).
Xfbb156a-5D 37.36. (3B)(5D).
Xfbb166-5B{0148}. FBB166. (3B,3B.1)(5B)(6A,6A.2).
Xfbb199-5A{1059}. 73.59. FBB199. (5A).
Xfbb209-5A{1059}. FBB209. (5A,5A.1)(6A,6A.2).
Xfbb209-5A.1 73.11. (5A,5A.1)(6A,6A.2).
Xfbb213-5D 89.42. (5D,5D.1,5D.2).
Xfbb213-5D.1{1059}. FBB213. (5D,5D.1,5D.2).
Xfbb213-5D.2{1059}. FBB213. (5D,5D.1,5D.2).
Xfbb237-5B{1059}. FBB237. (5B,5B.1,5D).
Xfbb237-5B.1 83.33. (5B,5B.1,5D).
Xfbb237-5D{0148}. FBB237. (5B,5B.1,5D).
Xfbb249-5A{1059}. 91.71. FBB249. (5A).
Xfbb255-5A{1059}. FBB255. (1A,1B)(4B)(5A,5A.1,5A.2,5D)(6A).
Xfbb255-5A.1{0148}. [*Xfbb255a-5A*{0148}]. FBB255.
  (1A,1B)(4B)(5A,5A.1,5A.2,5D)(6A).
Xfbb255-5A.2{0148}. [*Xfbb255b-5A*{0148}]. FBB255.
  (1A,1B)(4B)(5A,5A.1,5A.2,5D)(6A).
Xfbb255-5D{0148}. [*Xfbb255b-5D*{0148}]. FBB255. (1A,1B)(4B)(5A,5A.1,5A.2,5D)(6A).
Xfbb255x-5A 57.05. (5A).
Xfbb322-5B{1059}. FBB322. (5B).
Xfbb323-5B{1059}. 127. FBB323. (5B).
Xfbb328-5B{1059}. 107.69. FBB328. (5B).
Xfbb330-5A{1059}. 93. FBB330. (5A).
Xgbx3832-5A{0354}. [*Xgbx3832c-5A*{0354}]. gbx3832. (2A,2D)(4A)(5A).
XgbxG70-5A{0354}. [*XgbxG070a-5A*{0354}]. gbxG070. (5A,5D).
XgbxG70-5D{9958}. [*XgbxG070-5D*{9958}]. 65.75. gbxG070. (5A,5D).
XgbxG83-5D{0354}. [*XgbxG083c-5D*{0354}]. gbxG083. (3D)(4D)(5D)(6B).
XgbxG134-5B{0354}. gbxG134. (5B,5D).
XgbxG134-5D{9958}. gbxG134. (5B,5D).
XgbxG333-5B{9958}. [*XgbxG333b-5B*{9958}]. gbxG333. (5B,5D).
XgbxG333-5D{9958}. [*XgbxG333a-5D*{9958}]. 65.32. gbxG333. (5B,5D).
XgbxG521-5B{9958}[**]. 117.07. gbxG521. (5B). Whether *XgbxG521-5B* belongs to the 5L
  or 4AL:5BL:5DL arm group is uncertain.
XgbxG541-5B{9958}. 51. gbxG541. (3B,3D)(5B).
XgbxG722-5A{9958}. [*XgbxG722b-5A*{9958}]. gbxG722. (5A,5B,5D).

XgbxG722-5B{9958}. [*XgbxG722a-5B*{9958}]. gbxG722. (5A,5B,5D).
XgbxG722-5D{9958}. [*XgbxG722c-5D*{9958}]. gbxG722. (5A,5B,5D).
XgbxG722a-5B 95.87. (5B).
XgbxG722b-5A 63.39. (5A).
XgbxG722c-5D 65.75. (5D).
XgbxG723-5B{9958}. 98.04. gbxG723. (5B).
XgbxG739-5B{9958}. 67.19. gbxG739. (5B).
XgbxR33-5A{9958}. [*XgbxR033-5A*{9958}]. gbxR033. (5A,5B).
XgbxR33-5B{0354}. [*XgbxR033-5B*{0354}]. gbxR033. (5A,5B).
XgbxR570-5B{9958}[**]. 119.17. gbxR570. (5B)(7D). Whether *XgbxR570-5B* belongs to the
    5L or 4AL:5BL:5DL arm group is uncertain.
XgbxR678-5B{0354}. gbxR678. (5B,5D).
XgbxR678-5D{9958}. 85.8. gbxR678. (5B,5D).
XgbxR697-5D{9958}. 65.75. gbxR697. (5D).
Xgdm3-5D{0173}. DMS F3/DMS R3. (5D).
Xgdm43-5D{0173}. 42.6. DMS F43/DMS R43. (5D).
Xgdm63-5D{0173}. DMS F63/DMS R63. (5D). It is not clear whether *Xgdm63-5D* belongs
    to the group 5L or to the group 4AL:5BL:5DL.
Xgdm99-5D{0173}. DMS F99/DMS R99. (5D).
Xgdm116-5D{0173}. DMS F116/DMS R116. (5D).
Xgdm138-5D{0173}. DMS F138/DMS R138. (5D).
Xgdm153-5D{0173}. DMS F153/DMS R153. (5D)(6B).
Xglk69-5A{446}. [*Tag69-5A*{446}]. pTag69. (5A).
Xglk163-5B{0031}. [*Xglk163b-5B*{0031}]. pTag163. (1B,1D)(4D)(5A,5B).
Xglk165-5B{822}. [*Tag165-5Da*{446}, *Tag165-5Db*{446}]. pTag69. (5B,5D.1,5D.2)(7A).
    The arm location of *Xglk165-5B* was not reported in {822}.
Xglk165-5D.1{446}. [*Tag165-5Da*{446}]. pTag69. (5B,5D.1,5D.2)(7A).
Xglk165-5D.2{446}. [*Tag165-5Db*{446}]. pTag69. (5B,5D.1,5D.2)(7A).
Xglk222-5B{446}[1]. [*Tag222-5B*{446}]. pTag222. (2A,2D)(5B,5D).
Xglk222-5D{9926}[4]. [*Tag222-5B*{446}]. pTag222. (2A,2D)(5B,5D).
Xglk251-5A{446}. [*Tag251-5A*{446}]. pTag251. (5A,5B,5D).
Xglk251-5B{1034}. [*Tag251-5A*{446}]. pTag251. (5A,5B,5D).
Xglk251-5D{822}. [*Tag251-5A*{446}]. pTag251. (5A,5B,5D). The arm location of
    Xglk251-5D was not reported in {822}.
Xglk317c-5A 42.2. (5A).
Xglk354-5B{822,446}. [*Xglk354b*{822}]. pTag354. (4A)(5B,5D).
Xglk354-5D{446}. [*Tag354-5D*{446}]. pTag354. (4A)(5B,5D).
Xglk424-5A{822,154}. 28.36. pTag424. (5A,5D). Note : The arm location of *Xglk424-5A*
    was not reported in {822}.
Xglk510-5A{822,154}. [*Xglk510a*{822,154}]. pTag510. (5A,5B,5D). The arm location of
    Xglk510-5A was not reported in {822}.
Xglk510-5B{822,154}. [*Xglk510b*{822,154}]. pTag510. (5A,5B,5D). The arm location of
    Xglk510-5B was not reported in {822}.
Xglk510-5D{1034}. pTag510. (5A,5B,5D).
Xglk510b-5B 98.08. (5B).
Xglk612-5A{822}[1]. 38.63. pTag612. (5A,5D).
Xglk614-5A{822,446}. pTag614{822}. (5A,5B,5D).
Xglk614-5B{446}. [*Tag614-5B*{446}]. pTag614{822}. (5A,5B,5D).
Xglk614-5D{446}. [*Tag614-5D*{446}]. pTag614{822}. (5A,5B,5D).
Xglk614a-5A 43.09. (5A).

Xglk644-5A{822}. pTag644{822}. (5A,5B,5D). The arm location of *Xglk644-5A* was not reported in {822}.
Xglk644-5B{446}. [*Tag644-5B*{446}]. pTag644{822}. (5A,5B,5D).
Xglk644-5D{446}. [*Tag644-5D*{446}]. pTag644{822}. (5A,5B,5D).
Xglk651-5B{446}. [*Tag651-5B*{446}]. pTag651. (5B,5D)(6D)(7A).
Xglk651-5D{446}. [*Tag651-5D*{446}]. pTag651. (5B,5D)(6D)(7A).
Xglk695-5B.1{446}. [*Tag695-5Ba*{446}]. pTag695{822}. (5B.1,5B.2,5D,5D.1,5D.2).
Xglk695-5B.2{446}. [*Tag695-5Bb*{446}]. pTag695{822}. (5B.1,5B.2,5D,5D.1,5D.2).
Xglk695-5D{822}. pTag695{822}. (5B.1,5B.2,5D,5D.1,5D.2).
Xglk695-5D.1{446}. [*Tag695-5Da*{446}]. pTag695{822}. (5B.1,5B.2,5D,5D.1,5D.2).
Xglk695-5D.2{446}. [*Tag695-5Db*{446}]. pTag695{822}. (5B.1,5B.2,5D,5D.1,5D.2).
Xglk754-5B{446}. [*Tag754-5B*{446}]. pTag754. (1D)(5B).
Xglk2003(Bza-2)-5A{0049}. [*Bza1-A2*{0049}]. IHBP-1a(1). (5A,5D).
Xglk2003(Bza-2)-5D{0049}. [*Bza1-D2*{0049}]. IHBP-1a(1). (5A,5D).
Xgpw298-5D 65.75. (5D).
Xgpw303-5D 43.76. (5D).
Xgpw323-5D 99.22. (5D).
Xgpw335-5D 99.22. (5D).
Xgpw341-5D 32.02. (5D).
Xgpw343-5D 83.07. (5D).
Xgpw358a-5B 53.03. (5B).
Xgpw1082-5B 60.86. (5B).
Xgpw1086-5A 72.56. (5A).
Xgpw2059-5A 75.17. (5A).
Xgpw2120-5A 83.78. (5A).
Xgpw2136-5A 84.08. (5A).
Xgpw2172-5A 86.31. (5A).
Xgpw2181a-5A 84.08. (5A).
Xgpw2243a-5B 118.32. (5B).
Xgpw2273a-5A 88.12. (5A).
Xgpw2311-5A 40.78. (5A).
Xgpw2323-5D 100. (5D).
Xgpw2328a-5A 76.84. (5A).
Xgwm6-5A.2 102.19. (4B,4D)(5A,5A.2).
Xgwm6b-5A 102. (4B)(5A).
Xgwm44-5A{0354}. WMS 44F/WMS 44R. (5A)(7D).
Xgwm67-5B{9929}. 50, 52. WMS F67/WMS R67. (5B).
Xgwm68-5B{9929}. WMS F68/WMS R68. (2A)(5B)(7B,7B.2).
Xgwm99-5D.2 89.73. (1A,1A.1)(5D.2).
Xgwm118-5B{0035}[2],{724}. [*Xgwm118b-5B*{0035}[2]]. 151.72. WMS 118F/WMS 118R,WMS F118/WMS R118. (4A)(5B).
Xgwm121-5A.2 59.93. (5A.2,5D)(7D).
Xgwm121-5D{9929}. 60.27. WMS F121/WMS R121. (5A.2,5D)(7D).
Xgwm126-5A{9929}. 96.61. WMS F126/WMS R126. (5A)(6B).
Xgwm129-5A{724,726}. 27.34. WMS 129F/WMS 129R. (2B)(4D)(5A).
Xgwm154b-5A 40.07. (5A).
Xgwm156-5A{9929}. 50.94. WMS F156/WMS R156. (3B)(5A).
Xgwm174-5D{724}. 51.85. WMS 174F/WMS 174R. (5D).
Xgwm179-5A{726}. 96. WMS 179F/WMS 179R. (4D)(5A).
Xgwm182-5D{9929}. 50.98. WMS F182/WMS R182. (5D).
Xgwm186-5A{726}. 52.58. WMS 186F/WMS 186R. (5A).

Xgwm205b-5A 39.33. (5A).
Xgwm212-5D{9929}. 71.76. WMS F212/WMS R212. (5D).
Xgwm213-5B{9929}. 50. WMS F213/WMS R213. (5B).
Xgwm269-5D{9929}. 98.88. WMS F269/WMS R269. (4A.2)(5D).
Xgwm271-5B{0242}. WMS F271/WMS R271. (2B)(5B,5D).
Xgwm271-5D{9929}. 60.71. WMS F271/WMS R271. (2B)(5B,5D).
Xgwm271a-5B 100.58. (5B).
Xgwm271b-5B 152.68. (5B).
Xgwm272-5D{724}. 101.68. WMS 272F/WMS 272R. (5D).
Xgwm291-5A{726}. 105.23. WMS 291F/WMS 291R. (5A).
Xgwm292-5D{9929}. 69.28. WMS F292/WMS R292. (5D).
Xgwm293-5A{9929}. 26.97. WMS F293/WMS R293. (5A,5B).
Xgwm335-5B{9929}. 51. WMS F335/WMS R335. (5B).
Xgwm371-5B{9929}. 50. WMS F371/WMS R371. (5B).
Xgwm408-5B{9929}. 108.06. WMS F408/WMS R408. (1B)(5B).
Xgwm410-5A.1 108.51. (2B,2B.2)(5A,5A.1).
Xgwm415-5A{9929, 0178}. 26.83. WMS415F/WMS415R. (5A).
Xgwm494b-5D 38.8. (5D)(6A).
Xgwm497-5B{0171}. [*Xgwm497d-5B*{0171}]. WMS F497/WMS R497.
   (1A,1A.2)(2A)(3A,3D,3D.1)(5B)(6A.3).
Xgwm499-5B{9929}. 67.95. WMS F499/WMS R499. (5B).
Xgwm554-5B{9929}. 77.36. WMS F554/WMS R554. (5B).
Xgwm554b-5B 67.87. (5B).
Xgwm565-5D{9929}. 99. WMS F565/WMS R565. (5D).
Xgwm583-5D{9929}. 44.52. WMS F583/WMS R583. (5D).
Xgwm595-5A{9929}. 100.92. WMS F595/WMS R595. (5A).
Xgwm604-5B{9929}. 106.55. WMS F604/WMS R604. (5B).
Xgwm617-5A{9929}. 63.67. WMS F617/WMS R617. (5A)(6A).
Xgwm639-5A{9929}. 63.67. WMS F639/WMS R639. (5A,5B,5B.2,5D,5D.3).
Xgwm639-5B{9929}. WMS F639/WMS R639. (5A,5B,5B.2,5D,5D.3).
Xgwm639-5B.2 71.06. (5A,5B,5B.2,5D,5D.3).
Xgwm639-5D{9929}. WMS F639/WMS R639. (5A,5B,5B.2,5D,5D.3).
Xgwm639-5D.3 41.28. (5A,5B,5B.2,5D,5D.3).
Xgwm654-5D{9929}. 99.77. WMS F654/WMS R654. (5D).
Xgwm666-5A{9929}. 68.31. WMS F666/WMS R666. (1A)(3A.1,3A.2)(5A)(7A,7A.3).
Xgwm777-5B 82.12. (5B).
Xgwm790-5B.1 129.47. (2D.3)(5B.1).
Xgwm831-5B 54.19. (5B).
Xksu8-5A{633}. pHv8,pHv75. (5A,5A.1,5A.2,5B,5B.1,5B.2,5B.3,5D,5D.1,5D.2).
Xksu8-5A.1{446}. [*ksu8-5Aa*{446}]. pHvksu8.
   (5A,5A.1,5A.2,5B,5B.1,5B.2,5B.3,5D,5D.1,5D.2).
Xksu8-5A.2{446}. [*ksu8-5Ab*{446}]. pHvksu8.
   (5A,5A.1,5A.2,5B,5B.1,5B.2,5B.3,5D,5D.1,5D.2).
Xksu8-5B{633}. pHv8,pHv75. (5A,5A.1,5A.2,5B,5B.1,5B.2,5B.3,5D,5D.1,5D.2).
Xksu8-5B.1{446}. [*ksu8-5Ba*{446}]. pHvksu8.
   (5A,5A.1,5A.2,5B,5B.1,5B.2,5B.3,5D,5D.1,5D.2).
Xksu8-5B.2{446}. [*ksu8-5Bb*{446}]. pHvksu8.
   (5A,5A.1,5A.2,5B,5B.1,5B.2,5B.3,5D,5D.1,5D.2).
Xksu8-5B.3{446}. [*ksu8-5Bc*{446}]. pHvksu8.
   (5A,5A.1,5A.2,5B,5B.1,5B.2,5B.3,5D,5D.1,5D.2).
Xksu8-5D{633}. pHv8,pHv75. (5A,5A.1,5A.2,5B,5B.1,5B.2,5B.3,5D,5D.1,5D.2).

Xksu8-5D.1{446}. [*ksu8-5Da*{446}]. pHvksu8.
   (5A,5A.1,5A.2,5B,5B.1,5B.2,5B.3,5D,5D.1,5D.2).
Xksu8-5D.2{446}. [*ksu8-5Db*{446}]. pHvksu8.
   (5A,5A.1,5A.2,5B,5B.1,5B.2,5B.3,5D,5D.1,5D.2).
Xksu24-5A.1{633}. [*Xksu24-5A(1)*]. pHv24. (5A.1,5A.2,5B.1,5B.2,5D.1,5D.2).
Xksu24-5A.2{633}. [*Xksu24-5A(2)*]. pHv24. (5A.1,5A.2,5B.1,5B.2,5D.1,5D.2).
Xksu24-5B.1{633}. [*Xksu24-5B(1)*]. pHv24. (5A.1,5A.2,5B.1,5B.2,5D.1,5D.2).
Xksu24-5B.2{633}. [*Xksu24-5B(2)*]. pHv24. (5A.1,5A.2,5B.1,5B.2,5D.1,5D.2).
Xksu24-5D.1{633}. [*Xksu24-5D(1)*]. pHv24. (5A.1,5A.2,5B.1,5B.2,5D.1,5D.2).
Xksu24-5D.2{633}. [*Xksu24-5D(2)*]. pHv24. (5A.1,5A.2,5B.1,5B.2,5D.1,5D.2).
Xksu26-5A{633}. pHv26,pHv29. (5A,5B,5D).
Xksu26-5B{633}. pHv26,pHv29. (5A,5B,5D).
Xksu26-5D{633}. pHv26,pHv29. (5A,5B,5D).
Xksu58-5A{633}. pHv58. (5A,5B,5D).
Xksu58-5B{633}. pHv58. (5A,5B,5D).
Xksu58-5D{633}. pHv58. (5A,5B,5D).
Xksu919(Lpx-2)-5A{0091}. [*Lpx-5A*{0091}]. 6C02E12{0094}. (5A,5B,5D). The probe
   KSU919 cross-hybridizes to the *Xksu919(Lpx-1)-4A* locus.
Xksu919(Lpx-2)-5B{0091}. [*Lpx-5B*{0091}]. 6C02E12{0094}. (5A,5B,5D). The probe
   KSU919 cross-hybridizes to the *Xksu919(Lpx-1)-4A* locus.
Xksu919(Lpx-2)-5D{0148}. [*Lpx-5D*{0091}]. 6C02E12{0094}. (5A,5B,5D). The probe
   KSU919 cross-hybridizes to the *Xksu919(Lpx-1)-4A* locus.
Xksu921(Mpc1)-5A{0091}. [*Mpc1-5A*{0091}]. c1{0094}. (5A)(7D).
Xksu923(Pr1)-5A{0148}. [*Pr1-5A*{0148}]. CR1{0097}. (5A,5B,5D).
Xksu923(Pr1)-5B{0148}. [*Pr1-5B*{0148}]. CR1{0097}. (5A,5B,5D).
Xksu923(Pr1)-5D{0091}. [*Pr1-5D*{0091}]. CR1{0097}. (5A,5B,5D).
XksuA1-5B{1059}. 54.65. pTtksuA1. (1B)(2D)(3B)(5B)(7D).
XksuA3-5A.1{446}[1]. [*ksua3*{446}]. pTtksuA3,*pTtksua3*{446}. (5A.1,5A.2,5B,5D)(7B).
XksuA3-5A.2{446}[1]. [*ksua3b*{446}]. pTtksuA3,*pTtksua3*{446}. (5A.1,5A.2,5B,5D)(7B).
XksuA3-5B{446}[1]. pTtksuA3,*pTtksua3*{446}. (5A.1,5A.2,5B,5D)(7B).
XksuD16-5A{446}[1]. [*ksud16*{446}]. pTtksuD16{448},*pTtksud16*{446}. (1D)(5A,5B,5D).
XksuD16-5B{446}[1]. [*ksud16*{446}]. pTtksuD16{448},*pTtksud16*{446}. (1D)(5A,5B,5D).
XksuD16-5D{448}[4], {446}[1]. [*ksud16*{446}]. pTtksuD16{448},*pTtksud16*{446}.
   (1D)(5A,5B,5D).
XksuD16a-5A 41.63. (5A).
XksuD30-5A{446}. [*ksud30*{446}]. pTtksuD30,*pTtksud30*{446}. (3B)(5A,5B,5D).
XksuD30-5B{446}. [*ksud30*{446}]. pTtksuD30,*pTtksud30*{446}. (3B)(5A,5B,5D).
XksuD42-5A{446}[1]. [*ksud42*{446}]. pTtksuD42{448},*pTtksud42*{446}. (5A,5B,5D)(6D).
XksuD42-5B{446}[1]. [*ksud42*{446}]. pTtksuD42{448},*pTtksud42*{446}. (5A,5B,5D)(6D).
XksuD42-5D{448}[4], {446}[1]. [*ksud42*{446}]. pTtksuD42{448},*pTtksud42*{446}.
   (5A,5B,5D)(6D).
XksuF1-5A{282}[3]. pTtksuF1{448}. (5A,5B,5D).
XksuF1-5B{446}[1]. pTtksuF1{448}. (5A,5B,5D).
XksuF1-5D{446}[1]. pTtksuF1{448}. (5A,5B,5D).
XksuG7-5A{446}[1]. pTtksuG7. (5A,5D.1,5D.2)(7A,7B,7D).
XksuG7-5D.1{448}[4], {0148}[1]. [*XksuG7(A)-5D*{448}]. pTtksuG7.
   (5A,5D.1,5D.2)(7A,7B,7D).
XksuG7-5D.2{448}[4], {0148}[1]. [*XksuG7(B)-5D*{448}]. pTtksuG7.
   (5A,5D.1,5D.2)(7A,7B,7D).
XksuG12-5D{446}. pTtksuG12,*pTtksug12*{446}. (4A)(5D)(6B)(7A,7B,7D).
XksuG14-5A{282}[3], {0148}[1]. pTtksuG14{448}. (5A,5B,5D).

XksuG14-5B{446}[1]. pTtksuG14{448}. (5A,5B,5D).
XksuG14-5D{446}[1]. pTtksuG14{448}. (5A,5B,5D).
XksuG44-5A{446}. [*ksug44*{446}]. pTtksug44{446},pTtksuG44{448}.
    (5A,5A,5B,5B.1,5B.2,5D,5D)(6D). The 5AS *XksuG44* locus reported in {410} {see Group
    5S} was not detected in the physical mapping studies reported in {446}.
XksuG44-5B.1{446}. [*ksug44*{446}]. pTtksuG44{448},*pTtksug44*{446}.
    (5A,5A,5B,5B.1,5B.2,5D,5D)(6D). The 5BS *XksuG44* locus reported in {410} {see Group
    5S} was not detected in the physical mapping studies reported in {446}.
XksuG44-5B.2{446}. [*ksug44*{446}]. pTtksuG44{448},*pTtksug44*{446}.
    (5A,5A,5B,5B.1,5B.2,5D,5D)(6D). The 5DS *XksuG44* locus reported in {410} {see Group
    5S} was not detected in the physical mapping studies reported in {446}.
XksuG44-5D{446}. [*ksug44*{446}]. *pTtksug44*{446},pTtksuG44{448}.
    (5A,5A,5B,5B.1,5B.2,5D,5D)(6D). The 5DS *XksuG44* locus reported in {410} {see Group
    5S} was not detected in the physical mapping studies reported in {446}.
XksuG57-5D{0148}. pTtksuG57. (2D)(5D,5D.1,5D.2,5D.3).
XksuH1-5A{860}. pTtksuH1. (5A,5D).
XksuH1-5D{448}[4],{0148}. pTtksuH1. (5A,5D).
XksuH9-5A{255,282}[3]. pTtksuH9{448}.
    (1A,1A.2,1B,1D)(2A,2D,2D.1,2D.2,2D.3)(4A)(5A)(7A).
XksuM2-5A{446}. [*ksum2*{446}]. pTtksuM2{448},*pTtksum2*{446}. (5A,5B,5D).
XksuM2-5B{446}. [*ksum2*{446}]. pTtksuM2{448},*pTtksum2*{446}. (5A,5B,5D).
XksuM2-5D{448}[4], {446}[1]. [*ksum2*{446}]. pTtksuM2{448},*pTtksum2*{446}. (5A,5B,5D).
XksuP6-5A{0148}. pTtksuP6. (5A).
Xksup8-5A{443}. pHvksu8F/pHvksu8R. (5A,5B,5D).
Xksup8-5B{443}. pHvksu8F/pHvksu8R. (5A,5B,5D).
Xksup8-5D{443}. pHvksu8F/pHvksu8R. (5A,5B,5D).
XksuP10-5A{0148}. pTtksuP10. (5A).
XksuP18-5A{0148}. pTtksuP18. (5A,5B,5D).
XksuP18-5B{0148}. pTtksuP18. (5A,5B,5D).
XksuP18-5D{0148}. pTtksuP18. (5A,5B,5D).
XksuP20-5A{0148}. pTtksuP20. (5A,5B,5D).
XksuP20-5B{0148}. pTtksuP20. (5A,5B,5D).
XksuP20-5D{0148}. pTtksuP20. (5A,5B,5D).
XksuP21-5A{0148}. pTtksuP21. (5A).
XksuP23-5A{0148}. pTtksuP23. (5A,5D).
XksuP23-5D{0148}. pTtksuP23. (5A,5D).
XksuP50-5A{0148}. pTtksuP50. (5A,5B,5D).
XksuP50-5B{0148}. pTtksuP50. (5A,5B,5D).
XksuP50-5D{0148}. pTtksuP50. (5A,5B,5D).
XksuP64-5A{0148}. pTtksuP64. (5A,5B,5D).
XksuP64-5B{0148}. pTtksuP64. (5A,5B,5D).
XksuP64-5D{0148}. pTtksuP64. (5A,5B,5D).
XksuQ10-5A{0148}. pTtksuQ10. (5A,5B,5D).
XksuQ10-5B{0148}. pTtksuQ10. (5A,5B,5D).
XksuQ10-5D{0148}. pTtksuQ10. (5A,5B,5D).
XksuQ11-5A{0148}. pTtksuQ11. (5A,5B,5D).
XksuQ11-5B{0148}. pTtksuQ11. (5A,5B,5D).
XksuQ11-5D{0148}. pTtksuQ11. (5A,5B,5D).
XksuQ13-5B{0148}. pTtksuQ13. (5B,5D).
XksuQ13-5D{0148}. pTtksuQ13. (5B,5D).
XksuQ16-5A{0148}. pTtksuQ16. (5A,5B,5D).

XksuQ16-5B{0148}. pTtksuQ16. (5A,5B,5D).
XksuQ16-5D{0148}. pTtksuQ16. (5A,5B,5D).
XksuQ24-5A{0148}. pTtksuQ24. (5A,5D).
XksuQ24-5D{0148}. pTtksuQ24. (5A,5D).
XksuQ32-5A{0148}. pTtksuQ32. (5A,5B,5D).
XksuQ32-5B{0148}. pTtksuQ32. (5A,5B,5D).
XksuQ32-5D{0148}. pTtksuQ32. (5A,5B,5D).
XksuQ34-5A{0148}. pTtksuQ34. (5A,5B,5D).
XksuQ34-5B{0148}. pTtksuQ34. (5A,5B,5D).
XksuQ34-5D{0148}. pTtksuQ34. (5A,5B,5D).
XksuQ35-5A{0148}. pTtksuQ35. (5A,5B,5D).
XksuQ35-5B{0148}. pTtksuQ35. (5A,5B,5D).
XksuQ35-5D{0148}. pTtksuQ35. (5A,5B,5D).
XksuQ45-5A.1{0148}. [*XksuQ45a-5A*{0148}]. pTtksuQ45. (5A.1,5A.2,5B.1,5B.2,5D).
XksuQ45-5A.2{0148}. [*XksuQ45a-5B*{0148}, *XksuQ45b-5A*{0148}, *XksuQ45b-5B*{0148}].
   pTtksuQ45. (5A.1,5A.2,5B.1,5B.2,5D).
XksuQ45-5B.1{0148}. [*XksuQ45a-5B*{0148}]. pTtksuQ45. (5A.1,5A.2,5B.1,5B.2,5D).
XksuQ45-5B.2{0148}. [*XksuQ45b-5B*{0148}]. pTtksuQ45. (5A.1,5A.2,5B.1,5B.2,5D).
XksuQ45-5D{0148}. pTtksuQ45. (5A.1,5A.2,5B.1,5B.2,5D).
XksuQ58-5A{0148}. pTtksuQ58. (5A,5B,5D).
XksuQ58-5B{0148}. pTtksuQ58. (5A,5B,5D).
XksuQ58-5D{0148}. pTtksuQ58. (5A,5B,5D).
XksuQ59-5A{0148}. pTtksuQ59. (5A,5B,5D).
XksuQ59-5B{0148}. pTtksuQ59. (5A,5B,5D).
XksuQ59-5D{0148}. pTtksuQ59. (5A,5B,5D).
XksuQ60-5A{0148}. pTtksuQ60. (5A,5B,5D).
XksuQ60-5B{0148}. pTtksuQ60. (5A,5B,5D).
XksuQ60-5D{0148}. pTtksuQ60. (5A,5B,5D).
XksuQ61-5A{0148}. pTtksuQ61. (5A,5B,5D).
XksuQ61-5B{0148}. pTtksuQ61. (5A,5B,5D).
XksuQ61-5D{0148}. pTtksuQ61. (5A,5B,5D).
XksuQ62-5A{0148}. pTtksuQ62. (5A).
XksuQ63-5B{0148}. pTtksuQ63. (5B,5D).
XksuQ63-5D{0148}. pTtksuQ63. (5B,5D).
XksuQ64-5B{0148}. pTtksuQ64. (5B,5D).
XksuQ64-5D{0148}. pTtksuQ64. (5B,5D).
XksuQ65-5B{0148}. pTtksuQ65. (5B,5D).
XksuQ65-5D{0148}. pTtksuQ65. (5B,5D).
XksuQ66-5B{0148}. pTtksuQ66. (5B).
XksuQ67-5B{0148}. pTtksuQ67. (5B).
XksuS1-5A{446}. pTtksuS1,*pTtksus1*{446}. (5A,5B,5D).
XksuS1-5B{446}. pTtksuS1,*pTtksus1*{446}. (5A,5B,5D).
XksuS1-5D{446}. pTtksuS1,*pTtksus1*{446}. (5A,5B,5D).
Xkvl930(Pr1)-5A{0148}. [*Pr1b-5A*{0148}]. HvPr1b{00104}. (5A,5D)(7B,7D).
Xkvl930(Pr1)-5D{0148}. [*Pr1b-5D*{0148}]. HvPr1b{00104}. (5A,5D)(7B,7D).
XM60P64-5A.4 85.68. (1A.8)(2A.6)(3B.11,3B.13)(4A.1,4A.10)(5A.4)(6A.2).
XM62P64-5D.9a 77.96. (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7A.8,7B.11,7B.2,7B.9,7D.6).
XM65P64-5A.9a 108.54. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7A.2a,7B.2).
XM65P64-5B.8a 90.97. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7A.2a,7B.2).
XM71P77-5A.8 46.5. (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).
XM77P64-5D.8 63.87. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).

XM77P64-5D.10 100.28. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
XM85P65-5A.0 77.28. (1B.5)(2A.4)(5A.0,5A.2)(6A.3,6B.6)(7A.1).
XM85P65-5A.2 34.63. (1B.5)(2A.4)(5A.0,5A.2)(6A.3,6B.6)(7A.1).
Xmgb1-5A{0148}. MGB1. (5A,5D).
Xmgb1-5D{0148}. MGB1. (5A,5D).
Xmgb8-5A{0148}. MGB8. (5A).
Xmgb10-5B{0148}. MGB10. (5B).
Xmgb63-5A{9929}[2], {0148}[1]. MGB63. (5A,5B,5D).
Xmgb63-5B{0148}[1]. MGB63. (5A,5B,5D).
Xmgb63-5D{0148}[1]. MGB63. (5A,5B,5D).
Xmgb174-5A{0148}. MGB174. (5A,5B,5D).
Xmgb174-5B{0148}. MGB174. (5A,5B,5D).
Xmgb174-5D{0148}. MGB174. (5A,5B,5D).
Xmgb191-5B{0148}. MGB191. (5A,5B,5D).
Xmgb191-5D{0148}. MGB191. (5A,5B,5D).
Xmgb301-5A{0148}. MGB301. (5A,5B,5D).
Xmgb301-5B{0148}. MGB301. (5A,5B,5D).
Xmgb301-5D{0148}. MGB301. (5A,5B,5D).
Xmgb341-5B{0148}. MGB341. (5A,5B,5D).
Xmgb341-5D{0148}. MGB341. (5A,5B,5D).
Xmta6-5B 54.01. (5B).
Xmwg52-5B{1059}. 65.68. MWG52. (5B).
Xmwg72-5A{0148}. MWG72. (5A,5B).
Xmwg72-5B{0148}. MWG72. (5A,5B).
Xmwg76-5A{0148}. MWG76. (5A,5B,5D).
Xmwg76-5B{0148}. MWG76. (5A,5B,5D).
Xmwg76-5D{0148}. MWG76. (5A,5B,5D).
Xmwg77-5A{282}[3]. MWG77{467}. (1B)(5A).
Xmwg514-5A{0148}. 61.1. MWG514. (5A,5B,5D)(6A,6D).
Xmwg514-5B{0148}. MWG514. (5A,5B,5D)(6A,6D).
Xmwg514-5D{0148}. MWG514. (5A,5B,5D)(6A,6D).
Xmwg516-5A{0148}. MWG516. (5A,5B,5D).
Xmwg516-5B{0148}. MWG516. (5A,5B,5D).
Xmwg516-5D{0148}. MWG516. (5A,5B,5D).
Xmwg522-5B{446}[1]. [*MWG522, pTamwg522*{446}]. (5A,5B,5D).
Xmwg522-5A{1059}. 50.4. MWG522,*pTamwg522*{446}. (5A,5B,5D).
Xmwg522-5D{9926}[4], {0148}[1]. MWG522,*pTamwg522*{446}. (5A,5B,5D).
Xmwg549-5A{0148}. MWG549. (4A,4A.1)(5A,5D)(6D,6D.2).
Xmwg549-5D{0148}. MWG549. (4A,4A.1)(5A,5D)(6D,6D.2).
Xmwg550-5A{0148}. MWG549. (5A,5B,5D).
Xmwg550-5B{0148}. MWG550. (5A,5B,5D).
Xmwg550-5D{0148}. MWG550. (5A,5B,5D).
Xmwg561-5B{1059}. MWG561. (5B,5B.1,5D).
Xmwg561-5B.1 50. (5B,5B.1,5D).
Xmwg561-5D{1059}. MWG561. (5B,5B.1,5D).
Xmwg561c-5D 30.43. (5D).
Xmwg602-5A{446}. MWG602,*pTamwg419*{446}. (5A,5B,5D).
Xmwg602-5D{446}. MWG602,*pTamwg419*{446}. (5A,5B,5D).
Xmwg602-5B{0148}. MWG62,pTamwg419{446}. (5A,5B,5D).
Xmwg604-5A{0148}. MWG604. (5A,5B,5D).
Xmwg604-5B{0148}. MWG604. (5A,5B,5D).

Xmwg604-5D{0148}. MWG604. (5A,5B,5D).
Xmwg624-5A{1059}. 44.03. MWG624. (5A).
Xmwg716-5A{0148}. MWG716. (5A,5B,5D).
Xmwg716-5B{0148}. MWG716. (5A,5B,5D).
Xmwg716-5D{0148}. MWG716. (5A,5B,5D).
Xmwg740-5A{0148}. MWG740. (5A,5B,5D).
Xmwg740-5B{0148}. MWG740. (5A,5B,5D).
Xmwg740-5D{0148}. MWG740. (5A,5B,5D).
Xmwg805-5A{0148}. MWG805. (5A,5B,5D).
Xmwg805-5B{0148}. MWG805. (5A,5B,5D).
Xmwg805-5D{0148}. MWG805. (5A,5B,5D).
Xmwg820-5A{282}[3]. MWG820 {467}. (2D)(5A)(6A,6B).
Xmwg862-5B{0148}. MWG862. (5B,5D).
Xmwg862-5D{0148}. MWG862. (5B,5D).
Xmwg900-5D{1059}. 69.93. MWG900. (5A,5B,5D).
Xmwg900-5A{0148}. MWG900. (5A,5B,5D).
Xmwg900-5B{0148}. MWG900. (5A,5B,5D).
Xmwg914-5B{1059}. 74.05. MWG914. (5B).
Xmwg914a-5A 53.98. (5A).
Xmwg922-5D{1059}. 76.66. MWG922. (5A,5B,5D).
Xmwg922-5B{0148}. 70.76. MWG922. (5A,5B,5D).
Xmwg922-5A{0148}. MWG922. (5A,5B,5D).
Xmwg933-5B{0148}. MWG933. (5B).
Xmwg2112-5A{255}[3]. 104.19. MWG2112. (4B,4D)(5A).
Xocs(CK2Amy)-5A{0369}. *tck2a*. (5A,5B,5D).
Xocs(CK2Amy)-5B{0369}. *tck2a*. (5A,5B,5D).
Xocs(CK2Amy)-5D{0369}. *tck2a*. (5A,5B,5D).
Xopaf5-650-5B 141.3. (5B).
Xopaf6-655-5D 85.27. (5D).
Xopal7-470-5B 80.23. (5B).
XP78M43-5A.3 28.4.
    (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
XP78M43-5A.9a 51.02.
    (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
XP78M49-5B.3 55.74. (3D.5)(4A.6)(5B.3)(7A.2a,7A.4,7A.7,7B.2).
XP78M69-5B 52.77. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B)(7A.1).
XP78M92-5A.7 28.4. (4A.8)(5A.1,5A.7,5D.9).
XP78M92-5D.9 95.69. (4A.8)(5A.1,5A.7,5D.9).
Xpkg1490(Cab2)-5A.1{282}[3]. [*Xcab1-5A.1*{282}, *Xcab1-5A.2*{282}]. pKG1490{063}.
    (1A)(5A.1,5A.2). Mapping of the same 1A and 5A loci with pKG1490 and cMWG701 was
    reported in {280} and {282}.
Xpkg1490(Cab2)-5A.2{282}[3]. [*Xcab1-5A.2*{282}, *Xcab1-5A.2*{282}]. pKG1490{063}.
    (1A)(5A.1,5A.2). Mapping of the same 1A and 5A loci with pKG1490 and cMWG701 was
    reported in {280} and {282}.
Xpsb85-5A{419}. [*Xpsrb85*]. 32.04. PSB85. (5A).
Xpsb89-5A{419}. [*Xpsrb89*]. PSB89. (5A).
Xpsp128-5A{0086}. PSP128F1/PSP128R1. (5A,5B,5D).
Xpsp128-5B{0086}. PSP128F1/PSP128R1. (5A,5B,5D).
Xpsp128-5D{0086}. PSP128F1/PSP128R1,PSP128F2/PSP128R2. (5A,5B,5D).
Xpsp2120-5B{9965}. PSP2120F/PSP2120R ,PC3-9{9965}. (5B).
Xpsp3003-5A 55.66. (1A)(5A)(7D).

Xpsp3037-5B{1425}. 76. PSP3037F/PSP3037R. (1D)(5B).
Xpsp3065-5B{1425}. 135.62. PSP3065F/PSP3065R. (5B).
Xpsr1(B-Amy)-5A 116.29. (5A).
Xpsr14(a-Amy3)-5A{1609}. [*Xa-Amy-5A*{1609}, *aAmy3*{080}]. 1Amy33{080}.
  (5A,5B,5D).
Xpsr14(a-Amy3)-5B{1609}. [*Xa-Amy-5B*{1609}, *aAmy3*{080}]. 1Amy33{080}.
  (5A,5B,5D).
Xpsr14(a-Amy3)-5D{1609}. [*Xa-Amy-5D*{1609}, *aAmy3*{080}]. 1Amy33{080}.
  (5A,5B,5D).
Xpsr79-5A{1609}. [*Xpsr81*{815}]. PSR79. (5A,5B,5D).
Xpsr79-5B{1609}. [*Xpsr81*{815}]. PSR79. (5A,5B,5D).
Xpsr79-5D{1609}. [*Xpsr81*{815}]. PSR79. (5A,5B,5D).
Xpsr100(60S)-5A{256}[2]. [*Xpsr100-5A*{256}]. PSR100. (2A,2B,2D)(5A,5B,5D).
Xpsr100(60S)-5B{256}[2]. [*Xpsr100-5B*{256}]. PSR100. (2A,2B,2D)(5A,5B,5D).
Xpsr100(60S)-5D{256}[2]. [*Xpsr100-5D*{256}]. PSR100. (2A,2B,2D)(5A,5B,5D).
Xpsr109(Rbcs)-5A{256}. PSR109. (2A,2B,2D.1,2D.2,2D.3)(5A,5B,5D).
Xpsr109(Rbcs)-5B{256}. PSR109. (2A,2B,2D.1,2D.2,2D.3)(5A,5B,5D).
Xpsr109(Rbcs)-5D{256}. PSR109. (2A,2B,2D.1,2D.2,2D.3)(5A,5B,5D).
Xpsr120-5A.1{815,1609}. [*Xpsr120-5A(1)*{1609}]. PSR120.
  (5A.1,5A.2,5A.3,5B.1,5B.2,5B.3,5D.1,5D.2,5D.3).
Xpsr120-5A.2{815,1609}. [*Xpsr120-5A(2)*{1609}]. PSR120.
  (5A.1,5A.2,5A.3,5B.1,5B.2,5B.3,5D.1,5D.2,5D.3).
Xpsr120-5A.3{815,1609}. [*Xpsr120-5A(3)*{1609}]. PSR120.
  (5A.1,5A.2,5A.3,5B.1,5B.2,5B.3,5D.1,5D.2,5D.3).
Xpsr120-5B.1{815,1609}. [*Xpsr120-5B(1)*{1609}]. PSR120.
  (5A.1,5A.2,5A.3,5B.1,5B.2,5B.3,5D.1,5D.2,5D.3).
Xpsr120-5B.2{815,1609}. [*Xpsr120-5A(2)*{1609}]. 84.2. PSR120.
  (5A.1,5A.2,5A.3,5B.1,5B.2,5B.3,5D.1,5D.2,5D.3).
Xpsr120-5B.3{815,1609}. [*Xpsr120-5B(3)*{1609}]. PSR120.
  (5A.1,5A.2,5A.3,5B.1,5B.2,5B.3,5D.1,5D.2,5D.3).
Xpsr120-5D.1{815,1609}. [*Xpsr120-5D(1)*{1609}]. PSR120.
  (5A.1,5A.2,5A.3,5B.1,5B.2,5B.3,5D.1,5D.2,5D.3).
Xpsr120-5D.2{815,1609}. [*Xpsr120-5D(2)*{1609}]. PSR120.
  (5A.1,5A.2,5A.3,5B.1,5B.2,5B.3,5D.1,5D.2,5D.3).
Xpsr120-5D.3{815,1609}. [*Xpsr120-5D(3)*{1609}]. PSR120.
  (5A.1,5A.2,5A.3,5B.1,5B.2,5B.3,5D.1,5D.2,5D.3).
Xpsr120a-5A 53.84. (5A).
Xpsr128-5A{1329,410}. 43.9. PSR128. (5A,5B,5B.1,5D).
Xpsr128-5B{1329,410}. PSR128. (5A,5B,5B.1,5D).
Xpsr128-5B.1 51. (5A,5B,5B.1,5D).
Xpsr128-5D{1329,410}. PSR128. (5A,5B,5B.1,5D).
Xpsr131-5A{0148}[1]. PSR131. (2A,2B,2D)(5A,5D).
Xpsr131-5D{9926}[4], {0148}[1]. PSR131. (2A,2B,2D)(5A,5D).
Xpsr145-5A 88.17. (5A).
Xpsr145(Xdh)-5A{815,1609}[b]. [*Xpsr145-5A*{815,1609}]. PSR145. (5A,5B,5D).
Xpsr145(Xdh)-5B{815,1609}[b]. [*Xpsr145-5B*{815,1609}]. PSR145. (5A,5B,5D).
Xpsr145(Xdh)-5D{815,1609}[b]. [*Xpsr145-5D*{815,1609}]. PSR145. (5A,5B,5D).
Xpsr147(Ald)-5A{399}[b]. [*Xpsr147-5A*{399}]. PSR147. (4A,4B,4D)(5A,5B,5D).
Xpsr147(Ald)-5B{399}[b]. [*Xpsr147-5B*{399}]. PSR147. (4A,4B,4D)(5A,5B,5D).
Xpsr147(Ald)-5D{399}[b]. [*Xpsr147-5D*{399}]. PSR147. (4A,4B,4D)(5A,5B,5D).
Xpsr150-5A 29.1. (5A).

Xpsr150(Hsp82)-5A{815}[b]. [*Xpsr150-5A*{815}]. PSR150.
(2A,2B,2D)(5A,5B,5D)(7A,7B,7D).
Xpsr150(Hsp82)-5B{815}[b]. [*Xpsr150-5B*{815}]. PSR150.
(2A,2B,2D)(5A,5B,5D)(7A,7B,7D).
Xpsr150(Hsp82)-5D{815}[b]. [*Xpsr150-5D*{815}]. PSR150.
(2A,2B,2D)(5A,5B,5D)(7A,7B,7D).
Xpsr152-5A{282}[3]. PSR152{410}. (5A)(7A,7B,7D).
Xpsr157-5B 115.1. (4D)(5B).
Xpsr167(Hpr)-5B{1329,99592}. [*Xpsr167-5B*{1329,9959}2]. PSR167{1329}.
(5B)(6A,6B,6D). The arm location of *Xpsr167(Hrp)-5B* was not reported in {1329}.
Xpsr335-5D{354}. PSR335. (2B)(5D).
Xpsr360-5A{815,1609}. PSR360. (5A,5B,5D).
Xpsr360-5B{815,1609}. PSR360. (5A,5B,5D).
Xpsr360-5D{815,1609}. PSR360. (5A,5B,5D).
Xpsr370-5A{1609}. PSR370. (2B,2D)(5A,5B,5D).
Xpsr370-5B{1609}. PSR370. (2B,2D)(5A,5B,5D).
Xpsr370-5D{1609}. PSR370. (2B,2D)(5A,5B,5D).
Xpsr375-5D.3 99.41. (1A)(3B.5)(4A,4B,4B.4,4D,4D.1)(5B,5D,5D.3).
Xpsr426-5A{815,1609}. PSR426. (5A,5A.1,5B,5B.2,5D).
Xpsr426-5A.1 71.05. (5A,5A.1,5B,5B.2,5D).
Xpsr426-5B{815,1609}. PSR426. (5A,5A.1,5B,5B.2,5D).
Xpsr426-5B.2 109.54. (5A,5A.1,5B,5B.2,5D).
Xpsr426-5D{815,1609}. PSR426. (5A,5A.1,5B,5B.2,5D).
Xpsr567-5D.1 99.41. (3B.2)(4A,4B,4D)(5A,5B,5D,5D.1)(7B).
Xpsr574-5A{1609}. 24.76. PSR574. (5A,5B,5D).
Xpsr574-5B{1609}. 51. PSR574. (5A,5B,5D).
Xpsr574-5D{1609}. PSR574. (5A,5B,5D).
Xpsr575-5A{1181}. [*Xpsr575.2*{1181}]. PSR575. (2A,2A.1)(5A,5A.2,5D).
Xpsr575-5A.2 62.42. (2A,2A.1)(5A,5A.2,5D).
Xpsr575-5D{354}. [*Xpsr575.2*{1181}]. PSR575. (2A,2A.1)(5A,5A.2,5D).
Xpsr637-5A{1609}. 52.02. PSR637. (5A,5B,5D).
Xpsr637-5B{1609}. PSR637. (5A,5B,5D).
Xpsr637-5D{1609}. PSR637. (5A,5B,5D).
Xpsr725-5B 62.94. (5B).
Xpsr801(Rbcs)-5A{423}. [*rbcs-5A*{423}, *XRbcs-5A*{961}].
pW9{139},pTS512{1394},pW4.3{0139}. (5A,5B,5D[*]). The development of probes
specific to the three subfamilies on chromosome arms 2S and to the subfamily or
chromosomes arm 5L were reported in {0149}.
Xpsr801(Rbcs)-5B{423}. [*rbcs-5B*{423}, *XRbcs-5B*{961}].
pW9{139},pTS512{1394},pW4.3{0139}. (5A,5B,5D[*]). The development of probes
specific to the three subfamilies on chromosome arms 2S and to the subfamily or
chromosomes arm 5L were reported in {0149}.
Xpsr801(Rbcs)-5D[*]{423}. [*rbcs-5D*{423}, *XRbcs-5D*{961}].
pW9{139},pTS512{1394},pW4.3{0139}. (5A,5B,5D[*]). The development of probes
specific to the three subfamilies on chromosome arms 2S and to the subfamily or
chromosomes arm 5L were reported in {0149}.
XPSR806-5A.1 48.96. (5A.1).
Xpsr806-5B.2 78.97. (5B.2,5D.3).
Xpsr806-5D.3 49.93. (5B.2,5D.3).
Xpsr860(Uba)-5A{1609}. [*XUba-5A*]. pUBA1{526}. (4A,4B,4D)(5A,5B,5D[*]).
Xpsr860(Uba)-5B{1609}. [*XUba-5B*]. pUBA1{526}. (4A,4B,4D)(5A,5B,5D[*]).

Xpsr860(Uba)-5D[*]{1609}. [*XUba-5D*]. pUBA1{526}. (4A,4B,4D)(5A,5B,5D[*]).
Xpsr906-5A{1609}. PSR906. (5A,5B,5D).
Xpsr906-5B{1609}. PSR906. (5A,5B,5D).
Xpsr906-5D{1609}. PSR906. (5A,5B,5D).
Xpsr911-5A{1609}. 48. PSR911. (5A,5B,5D).
Xpsr911-5B{1609}. 62.98. PSR911. (5A,5B,5D).
Xpsr911-5D{1609}. PSR911. (5A,5B,5D).
Xpsr912-5A{256,1609}. 38.63. PSR912. (2A,2B,2D)(5A,5D).
Xpsr912-5D{256,1609}. PSR912. (2A,2B,2D)(5A,5D).
Xpsr918-5A{0031}. [*Xpsr918b-5A*{0031}]. PSR918. (5A,5B,5D).
Xpsr918-5B{0031}. [*Xpsr918ba-5B*{0031}]. PSR918. (5A,5B,5D).
Xpsr918-5D{1609}. PSR918. (5A,5B,5D).
Xpsr918b-5A 93.97. (5A).
Xpsr963-5A{410}. PSR963. (1A,1A.1,1B,1B.2)(5A).
Xpsr967-5A.3 58.13. (1A,1A.1,1B,1B.2)(4B)(5A,5A.3)(6A,6A.4,6B).
Xpsr1094-5A{1609}. PSR1094. (5A,5B,5D).
Xpsr1094-5B{1609}. PSR1094. (5A,5B,5D).
Xpsr1094-5D{1609}. PSR1094. (5A,5B,5D).
Xpsr1101-5A{1609}. PSR1101. (1A)(5A,5B,5D).
Xpsr1101-5B{190}. PSR1101. (1A)(5A,5B,5D).
Xpsr1101-5D{190}. PSR1101. (1A)(5A,5B,5D).
Xpsr1194-5A{190,1609}. 89.5. PSR1194. (5A,5B,5D).
Xpsr1194-5B{190,1609}. PSR1194. (5A,5B,5D).
Xpsr1194-5D{190,1609}. PSR1194. (5A,5B,5D).
Xpsr1201-5B{1609,410}. PSR1201 ,a39{207}. (1A)(4D)(5A,5B).
Xpsr1201b-5A 101.11. (5A).
Xpsr1202-5A{1609}. 48.96. PSR1202. (5A).
Xpsr2021(Aba2)-5A{419}. [*XABA2*{1181}]. ABA2{473}. (5A,5B).
Xpsr2021(Aba2)-5B{1181}. [*XABA2*{1181}]. ABA2{473}. (5A,5B).
Xpsr2021.1(ABA2)-5A 60.6. (5A).
Xpsr2021.2(ABA2)-5B 96.9. (5B).
Xrc472-5A{9933}[1,3]. RC473. (5A).
Xrg1112-5A{9933}[1,3]. RG1112. (5A).
Xrgc711-5A{9969}. RGC711{740}. (5A,5B,5D).
Xrgc711-5B{0034}. RGC711{740}. (5A,5B,5D).
Xrgc711-5D{0034}. RGC711{740}. (5A,5B,5D).
Xrgc1401-5A{0067}. C1401. (5A).
Xrgr2311-5A{9969}. RGR2311{740}. (5A,5D).
Xrgr2311-5D{0034}. RGR2311{740}. (5A,5D).
Xrgr2404-5A{9969}. RGR2404{740}. (5A,5B,5D).
Xrgr2404-5B{0034}. RGR2404{740}. (5A,5B,5D).
Xrgr2404-5D{0034}. RGR2404{740}. (5A,5B,5D).
Xrgr2443-5A{9969}. RGR2443{740}. (5A,5B,5D).
Xrgr2443-5B{0034}. RGR2443{740}. (5A,5B,5D).
Xrgr2443-5D{0034}. RGR2443{740}. (5A,5B,5D).
Xrgr2632-5A{0067}. R2632. (5A).
Xrgr2856-5A{0067}. R2856. (5A).
Xrgr3226-5D{0034}. RGR3226{740}. (5A,5D).
Xrgs1912-5A{0067}. S1912. (5A).
Xrsq805(Embp)-5A{248,1609}. [*XEmbp-5A*{248,1609}]. pGC19{471}.
    (2B)(3B)(5A,5B,5D)(6A,6B)(7D).

Xrsq805(Embp)-5B{248,1609}. [*XEmbp-5B*{248,1609}]. pGC19{471}.
   (2B)(3B)(5A,5B,5D)(6A,6B)(7D).
Xrsq805(Embp)-5D{248,1609}. [*XEmbp-5D*{248,1609}]. pGC19{471}.
   (2B)(3B)(5A,5B,5D)(6A,6B)(7D).
Xrz328-5A{0148}. RZ328. (5A,5B,5D).
Xrz328-5B{0148}. RZ328. (5A,5B,5D).
Xrz328-5D{0148}. RZ328. (5A,5B,5D).
Xrz395-5A{1059}. RZ395. (2A)(5A,5A.1,5B,5D,5D.2).
Xrz395-5A.1 64.01. (2A)(5A,5A.1,5B,5D,5D.2).
Xrz395-5B{0148}. RZ395. (2A)(5A,5A.1,5B,5D,5D.2).
Xrz395-5D{1059}. RZ395. (2A)(5A,5A.1,5B,5D,5D.2).
Xrz395-5D.2 62.61. (2A)(5A,5A.1,5B,5D,5D.2).
Xrz474-5A{9969}. RZ474{170}. (5A,5B,5D).
Xrz474-5B{0034}. RZ474{170}. (5A,5B,5D).
Xrz474-5D{0034}. RZ474{170}. (5A,5B,5D).
Xrz575-5A{0148}. RZ575. (5A,5B,5D).
Xrz575-5B{0148}. RZ575. (5A,5B,5D).
Xrz575-5D{0148}. RZ575. (5A,5B,5D).
Xrz589-5A{0148}. RZ589. (5A,5B,5D).
Xrz589-5B{0148}. RZ589. (5A,5B,5D).
Xrz589-5D{0148}. RZ589. (5A,5B,5D).
Xrz596-5B{0034}. RZ596. (5B,5D).
Xrz596-5D{0034}. RZ596. (5B,5D).
Xrz630-5A{9969}. RZ630{170}. (5A,5B,5D).
Xrz630-5B{0034}. RZ630{170}. (5A,5B,5D).
Xrz630-5D{0034}. RZ630{170}. (5A,5B,5D).
Xrz698-5A{9969}. RZ698{170}. (5A,5B,5D).
Xrz698-5B{0034}. RZ698{170}. (5A,5B,5D).
Xrz698-5D{0034}. RZ698{170}. (5A,5B,5D).
Xrz744-5A{0148}. RZ744. (5A,5B,5D).
Xrz744-5B{0148}. RZ744. (5A,5B,5D).
Xrz744-5D{0148}. RZ744. (5A,5B,5D).
XSsib-5B 125.37. (5B).
Xstm652-5B{0242}. STM 652F/STM 652R. (5B).
XsunG5-5B{0242}. [*XsunG5B-5B*{0242}]. SUN G5F/SUN G5R. (5B).
Xtam1-5A{245}. TAM1. (5A,5B,5D).
Xtam1-5B{245}. TAM1. (5A,5B,5D).
Xtam1-5D{245}. TAM1. (5A,5B,5D).
Xtam16-5A{245}. TAM16. (5A,5B,5D).
Xtam16-5B{245}. TAM16. (5A,5B,5D).
Xtam16-5D{245}. TAM16. (5A,5B,5D).
Xtam29-5A{245}. TAM29. (5A,5B,5D).
Xtam29-5B{245}. TAM29. (5A,5B,5D).
Xtam29-5D{245}. TAM29. (5A,5B,5D).
Xtam72-5B{1059}. TAM72{245}. (2B,2B.3)(3B)(4A)(5B).
Xtam72c-5B 56.05. (5B).
Xtam75-5A{245,154}. TAM75. (5A,5B,5D). The arm location of *Xtam75-5A* was not
   reported in {245}.
Xtam75-5B{245}. TAM75. (5A,5B,5D). The arm location of *Xtam75-5B* was not reported in
   {245}.

Xtam75-5D{245}. TAM75. (5A,5B,5D). The arm location of *Xtam75-5D* was not reported in {245}.

Xtav1961(Vdac1)-5A{740}. Tavdac1{332}. (5A,5B,5D).

Xtav1961(Vdac1)-5B{740}. Tavdac1{332}. (5A,5B,5D).

Xtav1961(Vdac1)-5D{740}. Tavdac1{332}. (5A,5B,5D).

Xttu1934(Hsp16.9b)-5A{281}[3]. pTaHSP16.9b{1569}. (3A)(5A).

Xttu1937(Wsip16)-5A.1{281}[3]. [*XDhn2-5A.1*{278}]. pTaWSP16{662}. (5A.1,5A.2,5D)(6A).

Xttu1937(Wsip16)-5A.2{281}[3]. [*XDhn2-5A.2*{278}]. pTaWSP16{662}. (5A.1,5A.2,5D)(6A).

Xttu1937(Wsip16)-5D{9926}[4]. [*Xttu1937(Wsip16)[XDhn3]-5D*{9926}]. pTaWSP16{662}. (5A.1,5A.2,5D)(6A). The arm locaton of *Xttu1937(Wsip16)-5D* in *Ae. tauschii* was not reported in {9926}.

Xubp25-5B{0148}. UBP25. (5B,5D).

Xubp25-5D{0148}. UBP25. (5B,5D).

Xucd103(Esi4)-5A{278}[1], {282}[3]. [*XEsi4-5A*{278}]. ESI4{472}. (5A,5B).

Xucd103(Esi4)-5B{278}[1]. [*XEsi4-5B*{278}]. ESI4{472}. (5A,5B).

Xucd104(Esi14)-5A{278}[1], {282}[3]. [*XEsi14-5A*{278}]. ESI14{472}. (5A,5B,5D).

Xucd104(Esi14)-5B{278}[1]. [*XEsi14-5B*{278}]. ESI14{472}. (5A,5B,5D).

Xucd104(Esi14)-5D{278}[1]. [*XEsi14-5D*{278}]. ESI14{472}. (5A,5B,5D).

Xucd107(Esi28)-5A{281}[3], {282}[3]. [*Esi28-5A*{278}]. ESI28{472}. (5A).

Xucd108(Esi32)-5A{282}[3]. ESI32{472}. (5A).

Xucg2(Acc-2)-5D{0265}. [*Xucg2-5D*{0265}]. UCG2. (3A,3B,3D)(5D).

Xun11-5B{0247}. UNL1. (5B).

Xun12-5B{0247}. UNL2. (5B).

Xun13-5B{0247}. UNL3. (5B).

Xutv497-5A{0269}[2]. UTV497. (5A).

Xutv1015-5B{9959}[2**]. UTV1015. (5B). Whether *Xutv1015-5B* belongs to the 5L or 4AL:5BL:5DL arm group is uncertain.

Xutv1378-5B{9959}[2**]. UTV1378. (5B)(7A). Whether *Xutv1378-5B* belongs to the 5L or 4AL:5BL:5DL arm group is uncertain.

Xutv1435-5A{0269}[2]. UTV1435. (5A).

Xwaxc2(Acl1.3)-5B{254,1609}. [*XAcl3-5B*]. pACP1{488}. (5B)(7A,7B,7D).

Xwaxc4(Acl1.2)-5A{1609}. [*XAcl2-5A*]. pACPII{489}. (5A,5B,5D).

Xwaxc4(Acl1.2)-5B{1609}. [*XAcl2-5B*]. pACPII{489}. (5A,5B,5D).

Xwaxc4(Acl1.2)-5D{1609}. [*XAcl2-5D*]. pACPII{489}. (5A,5B,5D).

XWB074l-5B 56.52. (5B).

XWB109l-5B 52.77. (5B).

XWB141e-5A 27.81. (5A).

XWB144s-5D 97.8. (5D).

XWC0007ls-5D 58.65. (5D).

XWC0008s-5D 39.56. (5D).

XWC0057s-5D 49.44. (5D).

Xwg114a-5A 95.78. (5A).

Xwg184-5A{0242}. 37.28. WG184. (1D)(2D)(3A)(4D)(5A).

Xwg232-5B{1181,0034}. [*Xwg232.3*{1181}]. WG232. (1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).

Xwg232-5A{0034}. WG232. (1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).

Xwg232-5D{0034}. WG232. (1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).

Xwg419-5A{446}. WG419,*pTacnlwg419*{446}. (5A,5B,5D).
Xwg419-5B{446}. WG419,*pTacnlwg419*{446}. (5A,5B,5D).
Xwg419-5D{446}. WG419,*pTacnlwg419*{446}. (5A,5B,5D).
Xwg530-5A{282}[3]. WG530{028},*pTacnlwg530*{446}. (5A,5B,5D).
Xwg530-5B{446}. 59.86. WG530{028},*pTacnlwg530*{446}. (5A,5B,5D).
Xwg530-5D{446}. WG530{028},*pTacnlwg530*{446}. (5A,5B,5D).
Xwg564-5A{446}. WG564,*pTacnlwg564*{446}. (5A,5B,5D).
Xwg564-5B{446}. WG564,*pTacnlwg564*{446}. (5A,5B,5D).
Xwg564-5D{446}. WG564,*pTacnlwg564*{446}. (5A,5B,5D).
Xwg564a-5A 31.84. (5A).
Xwg564b-5B 52. (5B).
Xwg583-5A{446}. WG583,*pTacnlwg583*{446}. (5A,5B,5D).
Xwg583-5B{1059}. WG583,*pTacnlwg583*{446}. (5A,5B,5D).
Xwg583-5D{446}. WG583,*pTacnlwg583*{446}. (5A,5B,5D).
Xwg583a-5B 80.94. (5B).
Xwg583b-5B 137.41. (5B).
Xwg644-5A{419}. WG644,*pTacnlwg644*{446}. (5A,5B,5D).
Xwg644-5B{446}. WG644,*pTacnlwg644*{446}. (5A,5B,5D).
Xwg644-5D{446}. WG644,*pTacnlwg644*{446}. (5A,5B,5D).
Xwg889-5A{255,282}[3], {0148}[1]. WG889{028,545},*pTacnlwg889*{446}. (5A,5B,5D).
Xwg889-5B{1059}[1]. 51.71. WG889{028,545},*pTacnlwg889*{446}. (5A,5B,5D).
Xwg889-5D{446}[1]. WG889{028,545},*pTacnlwg889*{446}. (5A,5B,5D).
Xwg908-5A{255,282}[3]. [*Xwg908-5Ba*{446}, *Xwg908-5Bb*{446}].
  WG908{028},*pTacnlwg908*{446}. (1A)(5A,5B,5B.1,5B.2,5D)(6B.1).
Xwg908-5B.1{446}. [*Xwg908-5Ba*{446}, *Xwg908-5Bb*{446}].
  WG908{028},*pTacnlwg908*{446}. (1A)(5A,5B,5B.1,5B.2,5D)(6B.1).
Xwg908-5B.2{446}. [*Xwg908-5Ba*{446}, *Xwg908-5Bb*{446}].
  WG908{028},*pTacnlwg908*{446}. (1A)(5A,5B,5B.1,5B.2,5D)(6B.1).
Xwg908-5D{446}[1]. [*Xwg908-5Ba*{446}, *Xwg908-5Bb*{446}].
  WG908{028},*pTacnlwg908*{446}. (1A)(5A,5B,5B.1,5B.2,5D)(6B.1).
Xwg908a-5B 116.18. (5B).
Xwg908b-5B 164.96. (5B).
Xwg909-5A{446}. WG909{545},*pTacnlwg909*{446}. (4B)(5A,5B,5D)(7B).
Xwg909-5B{1059,446}. 53. WG909{545},*pTacnlwg909*{446}. (4B)(5A,5B,5D)(7B).
Xwg909-5D{446}. WG909{545},*pTacnlwg909*{446}. (4B)(5A,5B,5D)(7B).
Xwg1026-5A{860}. WG1026,*pTacnlwg1026*{446}. (5A,5B,5D).
Xwg1026-5B{446}. WG1026,*pTacnlwg1026*{446}. (5A,5B,5D).
Xwg1026-5D{446}. WG1026,*pTacnlwg1026*{446}. (5A,5B,5D).
Xwmc2-5A.54 29.59. (5A.54,5A.169b,5A.180,5A.194).
Xwmc2-5A.169b 30.34. (5A.54,5A.169b,5A.180,5A.194).
Xwmc2-5A.180 98.28. (5A.54,5A.169b,5A.180,5A.194).
Xwmc2-5A.194 28.84. (5A.54,5A.169b,5A.180,5A.194).
Xwmc27-5B{0348}. 127.44. WMC 27F/WMC 27R. (5B).
Xwmc28-5B{0242}. [*Xwmc028-5B*{0242}]. 125.49. WMC 28F/WMC 28R. (5B).
Xwmc75-5B 88.75. (5B).
Xwmc95e-5D 70.98. (5D).
Xwmc96e-5A 75.66. (5A).
Xwmc96g-5D 119.64. (5D).
Xwmc97-5D{0348}. 76.64. WMC 97F/WMC 97R. (5D).
Xwmc99-5B 115.07. (5B).
Xwmc118-5B 127.57. (5B).

Xwmc150c-5A 28.84. (5A).
Xwmc160-5D 76.79. (5D).
Xwmc161b-5D 115.85. (5D).
Xwmc206-5D.1 79.02. (4B.3)(5D.1).
Xwmc215-5A WMC 215F/WMC 215R. (5A,5D).
Xwmc215-5D 68.53. (5A,5D).
Xwmc216-5A.3eb{0348}. 79.75. (5A.3eb)(7B).
Xwmc235-5B{0242}. 113.12. WMC 235F/WMC 235R. (5B).
Xwmc289a-5B 86.38. (5B).
Xwmc289b-5D 59.38. (5D).
Xwmc327-5A{0348}. 65.92. WMC 327F/WMC 327R. (5A).
Xwmc357-5D 78.24. (5D).
Xwmc415-5B 61.29. (5B).
Xwmc415b-5A 61.42. (5A).
Xwmc434b-5D 68.3. (5D).
Xwmc489a-5A 33.71. (5A).
Xwmc500g-5B 109.58. (5B).
Xwmc508-5B 127.57. (5B).
Xwmc537-5B 52. (5B).
XWMC2163eb-5A 79.75. (5A).
Xwpg15-5B{804}. [*WPG15*{804}]. WPG15. (5B).
Xwpg35-5B{804}. [*WPG35*{804}]. WPG35. (5B).
Xwpg79-5B{804}. [*WPG79*{804}]. WPG79. (5B).
Xwpg90-5B{804}. [*WPG90*{804}]. WPG90. (5B).
Xwpg176-5B{804}. [*WPG176*{804}]. WPG176. (5B).
Xwpgp90-5B{1314}. WPG90F/WPG90R. (5B).
Xzens819(Adpg1)-5A{1609}. [*XAdpg1-5A*]. WL:aga1{1099}. (5A,5B,5D).
Xzens819(Adpg1)-5B{1609}. [*XAdpg1-5B*]. WL:aga1{1099}. (5A,5B,5D).
Xzens819(Adpg1)-5D{1609}. [*XAdpg1-5D*]. WL:aga1{1099}. (5A,5B,5D).

22. Group 5L {4AL:5BL:5DL}

Xabc310-5B{1059}. ABC310. (3B)(4A)(5B,5B.1)(7A,7B).
Xbcd1670-4A{1059}. BCD1670{545}. (4A)(5D).
Xbcd1670-5D{1059}. BCD1670{545}. (4A)(5D).
Xcdo484-4A{028}{255}. [*XcnlCDO484-4A*{961}]. CDO484. (4A)(5B,5D).
Xgdm118-5D{0173}. DMS F118/DMS R118. (5D). It is not clear whether *Xgdm118-5D*
    belongs to the group 4AL:5AL:5DL or to the group 7BS:5BL:5DL.
Xglk558-5D{0031}. [*Xglk558a-5D*{0031}]. pTag558. (1B,1D)(2B,2D)(3D)(5D)(6D)(7D).
Xglk621-5D{822}{354}. [*XpTAG621-5D*{354}]. pTag621{822}. (5D).
Xgwm118-4A{0035}[2]. [*Xgwm118a-4A*{0035}[2]]. WMS F118/WMS R118. (4A)(5B).
Xgwm265-4A{0035}[2]. WMS F265/WMS R265. (2A)(4A).
Xgwm397-4A{9929}[**],{0031}. WMS F397/WMS R397. (4A). Whether Xgwm397-4A
    belongs to the 4AL:5BL:5DL arm group or the 4AL:4BL:4DL arm group is uncertain.
Xgwm577-4A{0177}. [*Xgwm577b-4A*{0171}]. WMS F577/WMS R577. (4A)(7B). It is
    not clear whether *Xgwm577-4A* belongs to the group 4AL:5AL:5BL or to the group
    7AS:4AL:7DS.
Xmgb12-4A{9959}[2]. MGB12. (4A).
Xmwg549-4A{1059}. MWG549. (4A,4A.1)(5A,5D)(6D,6D.2).
Xpsr115(Prk)-4A{815}[b]. [*Xpsr115-4A*{815}]. PSR115. (4A)(5B,5D).
Xpsr115(Prk)-5B{815}[b]. [*Xpsr115-5B*{815}]. PSR115. (4A)(5B,5D).
Xpsr115(Prk)-5D{815}[b]. [*Xpsr115-5D*{815}]. PSR115. (4A)(5B,5D).

Xpsr375-5B{1181}. [*Xpsr375.2*{1181}]. PSR375.
    (1A)(3B.5)(4A,4B,4B.4,4D,4D.1)(5B,5D,5D.3).
Xpsr375-5D{1181}. [*Xpsr375.2*{1181}]. PSR375.
    (1A)(3B.5)(4A,4B,4B.4,4D,4D.1)(5B,5D,5D.3).
Xpsr580-4A{815}. PSR580. (4A).
Xpsr1206-4A{1609,255}. PSR1206. (4A)(5B).
Xpsr1206-5B{1609,255}. PSR1206. (4A)(5B).
Xpsr1316-4A{1609},{255,282}[3]. L3-17{1542},PSR1316. (4A)(5B).
Xpsr1316-5B{1609,255}. PSR1316,L3-17{1542}. (4A)(5B).
Xutv434-4A.1{9959}[2]. UTV434. (4A.1,4A.2,4A.3). The other 4AL locus belongs to the
    7AS:4AL:7DS arm group.
Xutv1343-4A.1{9959}[2]. UTV1343. (2A)(4A.1,4A.2)(5B).
Xutv1343-4A.2{9959}[2]. UTV1343. (2A)(4A.1,4A.2)(5B).
Xutv1343-5B{9959}[2]. UTV1343. (2A)(4A.1,4A.2)(5B).
Xwmc161-4A{0242}. [*Xwmc161a-4A*{0242}]. WMC 161F/WMC 161R. (4A).

23. Group 5L {7BS:5BL:5DL}
Xbcd87-5B{028}{1059}. [*XcnlBCD87-5B*{961}]. BCD87. (5B,5D)(7B).
Xbcd87-7B{028}{1059}. [*XcnlBCD87-7B*{961}]. BCD87. (5B,5D)(7B).
Xpsr567-5B{1609}. PSR567. (3B.2)(4A,4B,4D)(5A,5B,5D,5D.1)(7B).
Xpsr567-5D{1609}. PSR567. (3B.2)(4A,4B,4D)(5A,5B,5D,5D.1)(7B).
Xpsr567-7B{1609}. PSR567. (3B.2)(4A,4B,4D)(5A,5B,5D,5D.1)(7B).

24. Group 5
P36/M50-1-5A 24.66. (5A).
P39/M49-339-5D 26.69. (5D).
Xabg3-5A{0242}. [*Xabg3b-5A*{0242}]. ABG3. (5A,5D).
Xabg463-5D.1{9926}[4]. ABG463. (4A,4D)(5B,5D.1,5D.2).
Xabg463-5D.2{9926}[4]. ABG463. (4A,4D)(5B,5D.1,5D.2).
Xabgp58-5B{339}. ABG058F/ABG058R. (2B)(5B)(7B).
Xabgp391-5A{339}. ABG391F/ABG391R. (4A)(5A,5B,5D).
Xabgp391-5B{339}. ABG391F/ABG391R. (4A)(5A,5B,5D).
Xabgp391-5D{339}. ABG391F/ABG391R. (4A)(5A,5B,5D).
Xbcd135-5D{0242}. BCD135. (2A,2B,2D)(4A)(5D)(7A).
Xbfc6(cyp71C)-5B{0371}. [*Cyp71C6-5B*{0371}]. CYP71C6. (5B,5D).
Xbfc6(cyp71C)-5D{0371}. [*Cyp71C6-5D*{0371}]. CYP71C6. (5B,5D).
Xbfc7v2(cyp71C)-5A{0371}. [*Cyp71C7v2-5A*{0371}]. CYP71C7v2. (5A,5B,5D).
Xbfc7v2(cyp71C)-5B{0371}. [*Cyp71C7v2-5B*{0371}]. CYP71C7v2. (5A,5B,5D).
Xbfc7v2(cyp71C)-5D{0371}. [*Cyp71C7v2-5D*{0371}]. CYP71C7v2. (5A,5B,5D).
Xbfc8v2(cyp71C)-5A{0371}. [*Cyp71C8v2-5A*{0371}]. CYP71C8v2. (5A,5B,5D).
Xbfc8v2(cyp71C)-5B{0371}. [*Cyp71C8v2-5B*{0371}]. CYP71C8v2. (5A,5B,5D).
Xbfc8v2(cyp71C)-5D{0371}. [*Cyp71C8v2-5D*{0371}]. CYP71C8v2. (5A,5B,5D).
Xbg823-5D{9926}[4]. BG823. (5D).
Xcdo465-5A{282}[3], {0148}[1],{0269}[2]. CDO465{028}. (5A,5B,5D).
Xcdo1312-5D.1{9926}[4]. CDO1312. (1B)(4B,4B.1,4D)(5A,5D.1,5D.2).
Xcdo1312-5D.2{9926}[4]. CDO1312. (1B)(4B,4B.1,4D)(5A,5D.1,5D.2).
Xcfd10-5D{0349}. CFD 10F/CFD 10R. (5D).
Xcfd19-5B{0349}. CFD 19F/CFD 19R. (5B)(6D).
Xcfd52-5D{0349}. CFD 52F/CFD 52R. (5D).
Xcfd81-5D{0349}. CFD 81F/CFD 81R. (5D).

Xcmwg645-5A{282}[3]. [*Xmwg645-5A*{282}]. cMWG645{467}.
    (1A.1,1A.2,1B,1B.1,1B.2,1D.1)(5A).
Xcsih97-5D.1{757}[4]. [*XcsIH97b*{757}]. csIH97{757}. (2D)(3D)(5D.1,5D.2).
Xcsih97-5D.2{757}[4]. [*XcsIH97c*{757}]. csIH97{757}. (2D)(3D)(5D.1,5D.2).
Xcsiha159-5D{757}[4]. [*XcsIHA159d*{757}]. csIHA159{757}. (3D.1,3D.2,3D.3)(5D).
XDuPw115-5B{0366}. DUPW 115F/DUPW 115R. (5B).
XDuPw205-5B{0366}. DUPW 205F/DUPW 205R. (5B).
Xfba259-5B{1239}. FBA259. (5B)(7B).
Xfbc6(cyp71C)-5A{0371}. [*Cyp71C6-5A*{0371}]. CYP71C6. (5A).
XgbxG103-5D{0146}. [*XgbxG103b-5D*{0146}]. gbxG103. (5D)(6B).
XgbxR866-5A{0354}. [*XgbxR866-5A*{0354}]. gbxR866. (4A,4B)(5A).
Xgdm68-5A{0173}. DMS F68/DMS R68. (5A,5B,5D).
Xgdm68-5B{0173}. DMS F68/DMS R68. (5A,5B,5D).
Xgdm101-5B {0173}. DMS F101/DMS R101. (5B).
Xgdm115-5B{0173}. DMS F115/DMS R115. (5B,5D).
Xgdm115-5D{0173}. DMS F115/DMS R115. (5B,5D).
Xgdm133-5B{0173}. DMS F133/DMS R133. (4D)(5B).
Xgdm136-5D{0173}. DMS F136/DMS R136. (5D).
Xgdm146-5B{0173}. DMS F146/DMS R146. (5B).
Xgdm149-5B{0173}. DMS F149/DMS R149. (5B).
Xglk83-5B{822}. pTag83. (5B).
Xglk157-5D{822}. pTag157. (5D).
Xglk278-5A{822}. [*Xglk278a*{822}, *Xglk278b*{822}]. pTag278.
    (2A.1,2A.2,2B,2D)(4D)(5A,5B).
Xglk278-5B{822}. [*Xglk278b*{822}, *Xglk278b*{822}]. pTag278.
    (2A.1,2A.2,2B,2D)(4D)(5A,5B).
Xglk301-5D{9926}[4]. pTag701. (1B)(2D)(3D)(5D)(7A,7B).
Xglk424-5D{9926}[4]. pTag424. (5A,5D).
Xglk505-5A{822}. pTag505. (5A).
Xglk520-5A{822}. [*Xglk520e*{822}]. pTag520. (1B)(2A)(3B)(5A)(6B).
Xglk546-5A.1{822}. [*Xglk546a*{822}, *Xglk546g*{822}]. pTag546.
    (2B.1,2B.2)(3B)(5A.1,5A.2)(6B)(7A,7B).
Xglk546-5A.2{822}. [*Xglk546a*{822}, *Xglk546g*{822}]. pTag546.
    (2B.1,2B.2)(3B)(5A.1,5A.2)(6B)(7A,7B).
Xglk554-5B{822}. [*Xglk554b*{822}]. pTag554. (2A,2B,2D)(3B)(5B).
Xglk587-5A{822}. [*Xglk587a*{822}]. pTag587. (5A,5B,5D).
Xglk587-5B{1034}. pTag587. (5A,5B,5D).
Xglk587-5D{822}. [*Xglk587b*{822}]. pTag587. (5A,5B,5D).
Xglk612-5D{9926}[4]. pTag612. (5A,5D).
Xglk629-5B{822}. pTag629. (5B).
Xglk701-5A{822}. pTag701. (5A).
Xglk724-5A{822}. [*Xglk724a*{822}]. pTag724. (3A,3B,3D)(5A)(6A,6B,6D).
Xglk756-5A{822}[1]. [*Xglk756c*{822}]. pTag756. (3B)(5A,5D)(6A).
Xglk756-5D{9926}[4]. [*Xglk756c*(822)]. pTag756. (3B)(5A,5D)(6A).
Xglk2001(Hst1-1)-5A{0049}. [*Hst1-A1*{0049}]. ITAHISTH1. (5A,5B,5D).
Xglk2001(Hst1-1)-5B{0049}. [*Hst1-B1*{0049}]. ITAHISTH1. (5A,5B,5D).
Xglk2001(Hst1-1)-5D{0049}. [*Hst1-D1*{0049}]. ITAHISTH1. (5A,5B,5D).
Xgwm274-5B{0171}. [*Xgwm274b-5B*{0171}]. WMS F274/WMS R274. (1B,1B.1)(5B)(7B).
Xgwm293-5B{0171}. [*Xgwm293b-5B*{0171}]. WMS F293/WMS R293. (5A,5B).
Xgwm494-5D{0146}. [*Xgwm494a-5D*{0146}]. WMS F494/WMS R494.
    (5D)(6A,6A.1,6A.2).

Xgwm561c-5D   30.43. (5D).

XksuA3-5D{448}[4], {446}[1]. pTtksua3{446},pTtksuA3. (5A.1,5A.2,5B,5D)(7B).

XksuB5-5D{9926}[4]. pTtksuB5. (4D)(5D).

XksuB7-5D{9926}[4]. pTtksuB7. (1D.1,1D.2,1D.3,1D.4)(3D)(5D)(7B,7D).

XksuF43-5D.1{448}. [*XksuF43(A)-5D*{448}]. pTtksuF43.
   (1A,1B.1,1B.2,1D)(2D)(4D.1,4D.2)(5D.1,5D.2)(6D).

XksuF43-5D.2{448}. [*XksuF43(B)-5D*{448}]. pTtksuF43.
   (1A,1B.1,1B.2,1D)(2D)(4D.1,4D.2)(5D.1,5D.2)(6D).

XksuG57-5D.1{448}[4]. [*XksuG57(A)-5D*{448}]. pTtksuG57. (2D)(5D,5D.1,5D.2,5D.3).

XksuG57-5D.2{448}[4]. [*XksuG57(B)-5D*{448}]. pTtksuG57. (2D)(5D,5D.1,5D.2,5D.3).

XksuG57-5D.3{448}[4]. [*XksuG57(D)-5D*{448}]. pTtksuG57. (2D)(5D,5D.1,5D.2,5D.3).

XksuG419-5D.1{9926}[4]. pTtksuG419. (3D)(4D)(5D.1,5D.2).

XksuG419-5D.2{9926}[4]. pTtksuG419. (3D)(4D)(5D.1,5D.2).

XksuG465-5D{9926}[4]. pTtksuG465. (5D).

XksuM4-5D{448}. pTtksuM4. (5D).

XksuM9S-5D{448}[4]. pTtksuM9S. (5D)(6D).

XksuM70-5D{448}. pTtksuM70. (5D).

XksuM159-5D{9926}[4]. pTtksuM159. (5D).

XksupD15-5B{339}. KSUD15F/KSUD15R. (1D)(5B,5D)(7B,7D).

XksupD15-5D{339}. KSUD15F/KSUD15R. (1D)(5B,5D)(7B,7D).

XksupD16-5B{339}. KSUD16F/KSUD16R. (4A)(5B).

XksupG44-5B{339}. KSUG44F/KSUG44R. (5B,5D).

XksupG44-5D{339}. KSUG44F/KSUG44R. (5B,5D).

Xmgb191-5A{9959}[2],{0148}. MGB191. (5A,5B,5D).

Xmwg584-5D{9926}[4]. MWG584. (1A,1B,1D,1D.1,1D.2)(3A)(4A.1,4A.2)(5D).

Xpgh1(ELIP)-5A{0053}. [*Xwcr12-5A*{0053}]. WCR12. (5A,5B,5D).

Xpgh1(ELIP)-5B{0053}. [*Xwcr12-5B*{0053}]. WCR12. (5A,5B,5D).

Xpgh1(ELIP)-5D{0053}. [*Xwcr12-5D*{0053}]. WCR12. (5A,5B,5D).

Xpsp3090-5D{151}. PSP3090/PSP3090R. (5D).

Xpsr172(Lhcb1)-5A{1392}. PSR172. (1A)(2B)(5A,5B,5D)(7A,7B,7D).

Xpsr172(Lhcb1)-5B{1392}. PSR172. (1A)(2B)(5A,5B,5D)(7A,7B,7D).

Xpsr172(Lhcb1)-5D{1392}. PSR172. (1A)(2B)(5A,5B,5D)(7A,7B,7D).

Xpsr386-5A{1181}. [*Xpsr386.4*{1181}]. PSR386.
   (1A,1A.1)(2A)(3B,3B.4)(5A,5A.3)(7A,7A.2).

Xpsr967-5A{598}. PSR967. (1A,1A.1,1B,1B.2)(4B)(5A,5A.3)(6A,6A.4,6B).

Xrab16-5A{1181}. [*XRAB16*{1181}]. RAB16{1045}. (5A).

Xrgc12-5B{739}. [*XEif-5B*]. RGC12. (2A,2B,2D)(5B).

Xrgc454-5A{739}. RGC454. (4A,4D)(5A,5B).

Xrgc454-5B{739}. RGC454. (4A,4D)(5A,5B).

Xrgc975-5A{739}. RGC975. (5A,5B,5D)(7A,7B,7D).

Xrgc975-5B{739}. RGC975. (5A,5B,5D)(7A,7B,7D).

Xrgc975-5D{739}. RGC975. (5A,5B,5D)(7A,7B,7D).

Xrgc1329-5A{0067}. C1329. (5A).

Xrgc2540-5A{0067}. C2540. (5A).

Xrgg73-5A{739}. RGG73. (5A,5B,5D).

Xrgg73-5B{739}. RGG73. (5A,5B,5D).

Xrgg73-5D{739}. RGG73. (5A,5B,5D).

Xrgr1618-5A{0067}. R1618. (5A).

Xscu6394-5D{0368}. PSR6394 F/PSR6394 R. (5D).

Xstm286-5B{0242}. STM 286F/STM 286R. (5B).

Xstm337-5A{0242}. [*Xstm337a-5A*{0242}]. STM 337F/STM 337R. (5A)(7B).

Xtam37-5A{245}. TAM37. (5A,5B,5D).
Xtam37-5B{245}. TAM37. (5A,5B,5D).
Xtam37-5D{245}. TAM37. (5A,5B,5D).
Xtam38-5A{245}. TAM38. (5A,5B,5D).
Xtam38-5B{245}. TAM38. (5A,5B,5D).
Xtam38-5D{245}. TAM38. (5A,5B,5D).
Xtam40-5A{282}[3]. TAM40{245}. (5A).
Xtam43-5A{245}. TAM43. (5A,5D).
Xtam43-5D{245}. TAM43. (5A,5D).
Xtam68-5A{245}. TAM68. (5A)(6A,6B,6D).
Xtam70-5A{245}. TAM70. (5A).
Xumc81-5A{253}. UMC81. (1B)(5A,5B,5D)(7A,7B,7D).
Xumc81-5B{253}. UMC81. (1B)(5A,5B,5D)(7A,7B,7D).
Xumc81-5D{253}. UMC81. (1B)(5A,5B,5D)(7A,7B,7D).
Xwg232-5A.1{1181}. [*Xwg232.3*{1181}]. WG232.
  (1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).
Xwg232-5A.2{1181}. [*Xwg232.5*{1181}]. WG232.
  (1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).
Xwg420-5D.1{9926}[4]. WG420. (5D.1,5D.2)(7A,7B,7D).
Xwg420-5D.2{9926}[4]. WG420. (5D.1,5D.2)(7A,7B,7D).
Xwg516-5D{9926}[4]. WG516. (4D.1,4D.2)(5D).
Xwg541-5A{255,282}[3]. WG541{028}. (5A,5A).
Xwg908-5B{1181}. [*Xwg908.2*{1181}]. WG908. (1A)(5A,5B,5B.1,5B.2,5D)(6B.1).
Xwmc96-5A{0242}. [*Xwmc096-5A*{0242}]. WMC 96F/WMC 96R. (4A)(5A).
Xwmc110-5A{0242}. WMC 110F/WMC 110R. (5A).
Xwmc267-5A{0153}. WMC 267F/WMC 267R{0160}. (5A).

25. Group 6S

Xtav1929(Cyp)-6D.1{598}. TAV1929{126}. (6A.1,6A.2,6B.1,6D.1).
M51/P65-6B.1 74.78. (1A.5,1B.3)(2D.0)(4A.6)(5B.4)(6B.1).
M85/P65-6B.6 114.4. (1B.5)(2A.4)(5A.0,5A.2)(6A.3,6B.6).
M86/P65-6B.5 104.18. (2B.1,2D.3)(3B.4)(6B.5)(7B.0).
Nor-B2-6B 118. (6B).
P31/M50-2-6A 81.56. (6A).
P31/M51-1-6D 6. (6D).
P31/M54-5-6A 54.75. (6A).
P33/M52-1-6A 66.06. (6A).
P33/M54-3-6A 76.65. (6A).
P33/M54-8-6A 54.75. (6A).
P35/M48-3-6A 77.08. (6A).
P35/M61-4-6A 58.94. (6A).
P35/M61-6-6A 41.39. (6A).
P36/M47-6-6A 75.26. (6A).
P38/M50-4-6A 51.11. (6A).
P38/M59-122-6A 68.71. (6A).
P38/M59-85-6A 62.78. (6A).
P38/M61-7-6A 77.49. (6A).
P39/M49-174-6A 69.12. (6A).
P39/M50-8-6A 43.59. (6A).
P40/M49-4-6A 44.97. (6A).
P40/M51-7-6D 6. (6D).

P40/M56-2-6B 116.05. (6B).
P40/M60-153-6A 68.71. (6A).
P41/M47-1-6B 115.67. (6B).
P41/M49-126-6A 56.55. (6A).
P41/M50-5-6A 76.65. (6A).
P41/M58-206-6B 115.67. (6B).
P41/M61-5-6A 69.12. (6A).
P42/M50-4-6A 55.12. (6A).
P42/M52-1-6A 42.54. (6A).
P78/M63-6B.1 74.78. (2A.2)(6B.1,6B.3a)(7B.4,7B.7).
P78/M72-6B.7 104.18. (1B.4)(2B.8,2D.4a)(5B.3)(6B.7).
P78/M87-6A.7 0.12. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
S12M17_3-6B 84.45. (6B).
S12M17_9-6B 70.93. (6B).
S12M17_10-6B 69.21. (6B).
S12M18_2-6B 101.5. (6B).
S12M26_6-6B 99.68. (6B).
S12M26_7-6B 98.59. (6B).
S13M14_2-6B 117.91. (6B).
S13M15_11-6B 74.56. (6B).
S13M25_2-6B 82.09. (6B).
S18M13_3-6B 46.72. (6B).
S18M17_1-6B 116.66. (6B).
S23M15_6-6B 64.73. (6A,6B).
S23M15_9-6B 70.44. (6B).
S23M20_14-6B 75.2. (6B).
S23M25_3-6B 70.44. (6B).
S23M25_10-6B 107.14. (6B).
S23M26_1-6B 70.44. (6B).
S23M26_2-6B 70.44. (6B).
S24M15_9-6B 77.28. (6B).
S24M17_1-6B 60.4. (6B).
S25M14_3-6B 78.37. (6B).
S25M19_6-6B 52.26. (6B).
S25M19_7-6B 32.18. (6B).
S25M19_9-6B 49.49. (6B).
XA2437b-6A 29.65. (6A).
Xabc173-6A{9927}[2]. ABC173. (6A,6B,6D).
Xabc173-6B{0081}[1]. ABC173. (6A,6B,6D).
Xabc173-6D{900}[1]. ABC173. (6A,6B,6D).
Xabc173a-6D 78.3. (6D).
Xabg378-6A{9927}[2]. ABG378. (2A)(4A)(6A,6D)(7A).
Xabg378-6D{9926}[4]. ABG378. (2A)(4A)(6A,6D)(7A).
Xabg378a-6A 54.75. (6A).
Xabg387-6A{9927}[2]. ABG387. (1A.1,1A.2,1B,1D)(3A)(4A)(5A)(6A,6B).
Xabg387-6B{9927}[2]. ABG387. (1A.1,1A.2,1B,1D)(3A)(4A)(5A)(6A,6B).
Xabg458-6A{282}[3]. ABG458. (1D)(6A,6B,6D.1,6D.2). The arm locations of *Xabg458-6D.1*
    and *Xabg458-6D.2* in *Ae. tauschii* were not reported in {9926}.
Xabg458-6B{9927}[2]. ABG458. (1D)(6A,6B,6D.1,6D.2).
Xabg458-6D.1{9926}[4]. ABG458. (1D)(6A,6B,6D.1,6D.2). The arm location of *Xabg458-*
    6D.1 in *Ae. tauschii* was not reported in {9926}.

Xabg458-6D.2{9926}[4]. ABG458. (1D)(6A,6B,6D.1,6D.2). The arm location of *Xabg458-6D.2* in *Ae. tauschii* was not reported in {9926}.

Xabg466-6A{282}[3]. 43.93. ABG466{664}. (6A,6B,6D).

Xabg466-6B{0351}[1]. ABG466{664}. (6A,6B,6D).

Xabg466-6D{900}[1]. 12. ABG466{664}. (6A,6B,6D).

Xabg471-6B{0269}[2]. ABG471. (3A,3A.1,3B)(6B).

Xak466-6B.1 64.48. (6B.1).

Xak466(Nra1)-6A{180,663}. [*XNra-6A*{180}, *XNar-6A*{663}]. bNRp10{188}. (4A)(6A,6B,6D)(7A,7D).

Xak466(Nra1)-6B{180,663}. [*XNra-6B*{180}, *XNar-6B*{663}]. bNRp10{188}. (4A)(6A,6B,6D)(7A,7D).

Xak466(Nra1)-6D{180,663}. [*XNra-6D*{180}, *XNar-6D*{663}]. bNRp10{188}. (4A)(6A,6B,6D)(7A,7D).

Xak466.1(Nra)-6B 64.48. (6B).

XAWM387-6B 114.4. (6B).

XAWM388a-6B 104.18. (6B).

XAWM388b-6A 29.97. (6A).

Xbarc3-6A 66.01. (6A).

Xbarc23-6D.1 79.83. (6D.1).

Xbarc48-6B.2 74.69. (4D.4)(6B.2).

Xbarc101-6B{0175}. BARC F101/BARC R101{0239}. (2B)(6B).

Xbarc123-6D 81.5. (6D).

Xbarc171-6A 78.54. (6A).

Xbarc173-6D 21.05. (6D).

Xbarc183-6D 14.79. (6D).

Xbarc195-6A 79.48. (6A).

Xbarc196-6D 69.1. (6D).

Xbarc198-6B 101.15. (6B).

Xbarc202-6D 80.52. (6D).

Xbcd20C-6B 91.16. (6B).

Xbcd21-6A{860}. BCD21. (1B)(3B)(5A,5D)(6A,6B,6D).

Xbcd21-6B{860}. BCD21. (1B)(3B)(5A,5D)(6A,6B,6D).

Xbcd21-6D{862}. BCD21. (1B)(3B)(5A,5D)(6A,6B,6D).

Xbcd21a-6A 21.18. (6A).

Xbcd102-6B.1 110.22. (2D)(5B)(6A,6B,6B.1).

Xbcd152-6B{0269}[2]. BCD152. (2A,2B,2B.2)(6B).

Xbcd342-6A{900}. BCD342. (6A,6A.1,6B,6D,6D.3).

Xbcd342-6A.1 12.36. (6A,6A.1,6B,6D,6D.3).

Xbcd342-6B{860}. BCD342. (6A,6A.1,6B,6D,6D.3).

Xbcd342-6D{862}. BCD342. (6A,6A.1,6B,6D,6D.3).

Xbcd342-6D.3 10.05. (6A,6A.1,6B,6D,6D.3).

Xbcd342a-6B 71.88. (6B).

Xbcd1299-6B{0269}[2],{900}. BCD1299. (6B).

Xbcd1299a-6B 111.69. (6B).

Xbcd1383-6D{0351}. BCD1383. (6B,6D).

Xbcd1383a-6B 105.96. (6B).

Xbcd1398-6B{0242}. BCD1398. (6B,6D).

Xbcd1398-6D{900}. 84.28. BCD1398. (6B,6D).

Xbcd1407a-6B 92.27. (6B).

Xbcd1716-6B{860}. 116.35. BCD1716. (6B,6D,6D.2).

Xbcd1821-6A{900}. BCD1821. (6A,6A.1,6B,6D,6D.2).

Xbcd1821-6A.1 14.96. (6A,6A.1,6B,6D,6D.2).
Xbcd1821-6B{0244}. BCD1821. (6A,6A.1,6B,6D,6D.2).
Xbcd1821-6D{900}. BCD1821. (6A,6A.1,6B,6D,6D.2).
Xbcd1821-6D.2 7.26. (6A,6A.1,6B,6D,6D.2).
Xbcd1821a-6D 11.24. (6D).
Xbcd1882-6A{0351}. BCD1882. (6A,6B,6D).
Xbcd1882-6B{865,0351}. BCD1882. (6A,6B,6D).
Xbcd1882-6D{0351}. BCD1882. (6A,6B,6D).
Xbcd2014a-6B 96.46. (6B).
Xcdo29-6A{900}. 81.75. CDO29. (6A,6B).
Xcdo270-6A{900}[1]. CDO270. (6A,6A.1,6B,6D).
Xcdo270-6A.1 66.96. (6A,6A.1,6B,6D).
Xcdo270-6B{0269}[2]. CDO270. (6A,6A.1,6B,6D).
Xcdo270-6D{900}[1]. CDO270. (6A,6A.1,6B,6D).
Xcdo270a-6D 77.07. (6D).
Xcdo365-6B{0071}. CDO365. (2B)(6B).
Xcdo365a-6B 77.33. (6B).
Xcdo476-6A{900}. CDO476. (6A,6B,6B.2,6D).
Xcdo476-6B{900}. CDO476. (6A,6B,6B.2,6D).
Xcdo476-6B.2 61. (6A,6B,6B.2,6D).
Xcdo476-6D{0351}. CDO476. (6A,6B,6B.2,6D).
Xcdo476b-6A 20.71. (6A).
Xcdo497-6B{9927}[2]. CDO497. (6A,6B).
Xcdo507a-6B 98.95. (6B).
Xcdo524-6A{0351}. CDO524. (6A,6B,6D).
Xcdo524-6B{900,0351}. 107. CDO524. (6A,6B,6D).
Xcdo524-6D{0351}. CDO524. (6A,6B,6D).
Xcdo534-6A{0081}[1]. CDO534. (1B.1,1B.2)(3A)(6A,6B,6D)(7A).
Xcdo534-6B{860}[1],{9927}[2]. CDO534. (1B.1,1B.2)(3A)(6A,6B,6D)(7A). The arm location
    of*Xcdo534-6B* in *T. aestivum* was not reported in {860}.
Xcdo534-6D{900}[1]. CDO534. (1B.1,1B.2)(3A)(6A,6B,6D)(7A).
Xcdo534a-6D 83.03. (6D).
Xcdo1128-6B{860}. CDO1128. (4B)(6B).
Xcdo1158-6A{9927}[2]. CDO1158. (6A,6B).
Xcdo1158-6B{860}[1]. CDO1158. (6A,6B). The arm location of *Xcdo1158-6A* in *T. aestivum*
    was not reported in {860}.
Xcdo1315-6A{900}. 63.21. CDO1315. (6A,6B).
Xcdo1315-6B 64.46. (6A,6B).
Xcdo1380-6A{0351}. CDO1380. (6A,6B). A 6BL *Xcdo1380-6B* was mapped in {9921}.
Xcdo1421-6B{865}. 106.85. CDO1421. (6B).
Xcdo1473a-6B 93.41. (6B).
Xcfd1-6A{0349}. 32.38. CFD 1F/CFD 1R. (6A).
Xcfd13a-6B 82.86. (6B,6D).
Xcfd13a-6D 45.31. (6B,6D).
Xcfd19a-6D 68.62. (1D)(6D).
Xcfd33-6D{0349}. 58.58. CFD 33F/CFD 33R. (6D).
Xcfd49-6D{0349}. 15.38. CFD 49F/CFD 49R. (6D).
Xcfd80-6D{0349}. 76.07. CFD 80F/CFD 80R. (6D).
Xcfd132-6D 48.76. (6D).
Xcfd135-6D 14.82. (6D).
Xcfd213a-6D 22.86. (3D)(6D).

Xcfd213b-6D 49.31. (6D).
Xcmwg60-6D{0081}[1]. cMWG690. (6D).
Xcmwg652-6A{900}[1]. 32.22. cMWG652. (4D)(6A,6B,6D).
Xcmwg652-6B{9927}[2], {0081}[1]. cMWG652. (4D)(6A,6B,6D).
Xcmwg652-6D{9926}[4], {0081}[1]. cMWG652. (4D)(6A,6B,6D).
Xcmwg679-6A.1{9927}[2]. cMWG679. (6A.1,6A.2,6B.1,6B.2).
Xcmwg679-6A.2{9927}[2]. cMWG679. (6A.1,6A.2,6B.1,6B.2).
Xcmwg679-6B.1{9927}[2]. cMWG679. (6A.1,6A.2,6B.1,6B.2).
Xcmwg679-6B.2{9927}[2]. cMWG679. (6A.1,6A.2,6B.1,6B.2).
Xcmwg684-6B.1{1272}. [*Xcmwg684-6B*{1272}]. cMWG684. (6A,6B.1,6B.2,6D).
Xcmwg690-6A{9927}[2]. cMWG690. (6A,6B).
Xcmwg690-6B{9927}[2]. cMWG690. (6A,6B).
Xcnl3-6B{0059},{0060}. AC22F/AC22R. (6B).
Xcnl3c-6B 115.32. (6B).
XCp3-6A.2 29.02. (6A.2,6D.1).
XCp3-6D.1 31.64. (6A.2,6D.1).
XcsHPLC3-6A 71.28. (6A).
XCxp3b-6A 34.17. (6A).
XE3M3p_R-6A 57.48. (6A).
XE5M5p_R-6A 71.65. (6A).
Xfba1-6B{0081}. FBA001. (6A,6B,6D).
Xfba1-6D{900}. 45.31. FBA001. (6A,6B,6D).
Xfba18-6B{0351}. FBA148. (6B).
Xfba65-6A{900}. 18.51. FBA065. (2D)(4A)(5B)(6A)(7A).
Xfba67-6A{0081}. FBA067. (6A,6B,6D).
Xfba67-6B{900}. FBA067. (6A,6B,6D).
Xfba67-6D{0081}. FBA067. (6A,6B,6D).
Xfba67a-6B 114.48. (6B).
Xfba85-6A{900}. 35.96. FBA085. (6A,6A.1,6B,6D,6D.2).
Xfba85-6A.1 43.44. (6A,6A.1,6B,6D,6D.2).
Xfba85-6B{0081}. FBA085. (6A,6A.1,6B,6D,6D.2).
Xfba85-6D{900}. FBA085. (6A,6A.1,6B,6D,6D.2).
Xfba85-6D.2 47.93. (6A,6A.1,6B,6D,6D.2).
Xfba85a-6D 60.24. (6D).
Xfba148-6A{900}. 70.55. FBA148. (6A,6B,6D).
Xfba148-6B{0351}. FBA148. (6A,6B,6D).
Xfba148-6D{0081}. FBA148. (6A,6B,6D).
Xfba152-6A{900}. FBA152. (6A,6B,6B.2).
Xfba152-6B{900}. FBA152. (6A,6B,6B.2).
Xfba152-6B.2 95.79. (6A,6B,6B.2).
Xfba152a-6A 47.39. (6A).
Xfba175-6B.1{0244}. [*Xfba175a-6B*{0244}]. FBA175. (3A)(6B.1,6B.2).
Xfba187-6B{0081}. FBA187. (6B,6D).
Xfba187-6D{900}. 55.92. FBA187. (6B,6D).
Xfba234-6A.1 78.06. (1A)(6A,6A.1)(7A).
Xfba234-6A{900}. FBA234. (1A)(6A,6A.1)(7A).
Xfba307-6A{900}. FBA307. (6A,6B,6D,6D.2).
Xfba307-6B{0244}. FBA307. (6A,6B,6D,6D.2).
Xfba307-6D{900}. FBA307. (6A,6B,6D,6D.2).
Xfba307-6D.2 18.27. (6A,6B,6D,6D.2).
Xfba307a-6A 43.56. (6A).

Xfba328a-6B 111.49. (6B).
Xfba336-6D{900}. FBA336. (6D).
Xfba336a-6D 81.78. (6D).
Xfba340-6B{0354}. [*Xfba340b-6B*{0354}]. FBA340. (5D)(6B)(7A,7B).
Xfba345-6B{900}. FBA345. (2A,2B,2B.2)(6B).
Xfba345a-6B 105.04. (6B).
Xfba357-6B{900}. 98.75. FBA357. (6B).
Xfba359-6B{900}. FBA359. (2B,2B.1)(4A)(5A)(6B).
Xfba359c-6B 116.58. (6B).
Xfba381-6B{0081}. FBA381. (6B,6B.1,6D,6D.1,6D.2).
Xfba381-6B.1{0244}. [*Xfba381-6B*{0244}]. FBA381. (6B,6B.1,6D,6D.1,6D.2).
Xfba381-6D.2{0081}. FBA381. (6B,6B.1,6D,6D.1,6D.2).
Xfba399-6A{0351}. FBA399. (6A,6B,6D).
Xfba399-6B{900}. 115.13. FBA399. (6A,6B,6D).
Xfba399-6D{0081}. FBA399. (6A,6B,6D).
Xfbb16-6B{900}. 93.38. FBB016. (6B).
Xfbb95a-6A 83.5. (6A).
Xfbb130a-6D 41.32. (6D).
Xfbb145-6A{900}. FBB145. (6A)(7A).
Xfbb145a-6A 77.67. (6A)(7A).
Xfbb147-6A{900}. FBB147. (3B.1,3B.1,3D)(6A,6A.4).
Xfbb147-6A.4 20.99. (3B.1,3B.1,3D)(6A,6A.4).
Xfbb166-6A.2 32.57. (3B,3B.1)(5B)(6A,6A.2).
Xfbb166-6A{900}. FBB166. (3B,3B.1)(5B)(6A,6A.2).
Xfbb194-6A{900}. 19.22. FBB194. (4A)(6A,6D).
Xfbb194-6D{0351}. FBB194. (4A)(6A,6D).
Xfbb209-6A{900}. FBB209. (5A,5A.1)(6A,6A.2).
Xfbb209-6A.2 22.05. (5A,5A.1)(6A,6A.2).
Xfbb222-6D{900}. 62.5. FBB222. (6D)(7A).
Xfbb231-6D.1{900}. FBB231. (6D.1,6D.2).
Xfbb231a-6D 64.49. (6D).
Xfbb255-6A{154}. [*Xfbb255b-6A*{154}]. FBB255. (1A,1B)(4B)(5A,5A.1,5A.2,5D)(6A).
Xfbb255b-6A 34.17. (4B)(6A).
Xfbb283-6D{0351}. FBB283. (3B)(6A,6D).
Xfbb283a-6D 65.66. (6D).
Xfbb319-6D{900}. FBB319. (6D).
Xfbb319a-6D 59.05. (6D).
Xfbb354-6A{0081}. FBB354. (6A,6B,6D).
Xfbb354-6B{0081}. FBB354. (6A,6B,6D).
Xfbb354-6D{900}. 59.45. FBB354. (6A,6B,6D).
Xgbx3165-6A{0354}. [*Xgbx3165a-6A*{0354}]. gbx3165. (6A,6B,6D).
Xgbx3165-6B{9958}. [*Xgbx3165a-6B*{9958}]. gbx3165. (6A,6B,6D).
Xgbx3165-6D{9958}. [*Xgbx3165b-6D*{9958}]. gbx3165. (6A,6B,6D).
Xgbx3165a-6B 69.68. (6B).
Xgbx3165b-6D 9.11. (6D).
XgbxG36-6A{9958}. [*XgbxG036b-6A*{9958}]. 18.1. gbxG036. (2A)(4A)(6A)(7b).
XgbxG83-6B{9958}. [*XgbxG083-6B*{9958}]. 70.69. gbxG083. (3D)(4D)(5D)(6B).
XgbxG84-6B{9958}. [*XgbxG084-6B*{9958}]. 65.06. gbxG084. (6B).
XgbxG103-6B 68.12. (5D)(6B).
XgbxG138-6B{9958}. 109.93. gbxG138. (6B).
XgbxG176-6B{9958}. 99.55. gbxG176. (6B).

XgbxG367-6B{0354}. [*XgbxG367b-6B*{0354}]. gbxG367. (4B,4D)(6A,6B)(7A).

XgbxR593-6A{9958}. 24.64. gbxR593. (6A,6B).

XgbxR593-6B{0354}. gbxR593. (6A,6B).

Xgdm14-6D{0173}. DMS F14/DMS R14. (6D).

Xgdm36-6D{0173}. DMS F36/DMS R36. (6D).

Xgdm108-6D{0173}. DMS F108/DMS R108. (6D).

Xgdm113-6B{0173}. DMS F113/DMS R113. (6B).

Xgdm127-6D{0173}. DMS F127/DMS R127. (6D).

Xgdm132-6D{0173}. DMS F132/DMS R132. (6D).

Xgdm141-6D{0173}. 49.61. DMS F141/DMS R141. (6D).

XGliA2-6A 35.96. (6A).

Xglk172-6A{822,0049}. [*Xglk172a-6A*{822,0049}]. pTag172. (6A)(7A,7B). The arm location of *Xglk172-6A* was not reported in {822}.

Xglk479-6A{822,0049}[1]. pTag479{822}. (6A,6B,6D). The arm location of *Xglk479-6A* was not reported in {822} and {9926}.

Xglk479-6D{9926}[4]. pTag479{822}. (6A,6B,6D). The arm location of *Xglk479-6D* was not reported in {822} and {9926}.

Xglk537-6A{822,0049}[1],{9927}[2]. pTag537. (6A). The arm location of *Xglk537-6A* in *T. aestivum* was not reported in {822.}

Xglk562-6A{822,0049}[1]. pTag562. (6A,6B). The arm location of *Xglk562-6A* in *T. aestivum* was not reported in {822}.

Xglk562-6B{9927}[2]. pTag562. (6A,6B). The arm location of *Xglk562-6A* in *T. aestivum* was not reported in {822}.

Xglk582-6B{822}[1], {9927}[2]. pTag562. (6B).

Xglk752-6B{822},{0081}. [*Xglk752b*{822}]. pTag752. (4A)(6B). The arm location of *Xglk752-6B* was not reported in {822}.

Xglk2003(Bza1-4)-6B{0049}. [*Bza1-B4*{0049}]. IHBP-1a(1). (6B).

Xglk2005(Bza3-1)-6A{0049}. [*Bza3-A1*{0049}]. IHBP-1a(17). (6A,6B,6D).

Xglk2005(Bza3-1)-6B{0049}. [*Bza3-B1*{0049}]. IHBP-1a(17). (6A,6B,6D).

Xglk2005(Bza3-1)-6D{0049}. [*Bza3-D1*{0049}]. IHBP-1a(17). (6A,6B,6D).

Xgpw304-6D 85.69. (6D).

Xgpw1034-6D 51.61. (6D).

Xgpw1079-6B 60.18. (6B).

Xgpw1101-6D 85.03. (6D).

Xgpw1150-6A 81.75. (6A).

Xgpw2023-6A 18.26. (6A).

Xgpw2060a-6B 97.57. (6B).

Xgpw2082-6A 47.39. (6A).

Xgpw2118c-6A 81.75. (6A).

Xgpw2216-6A 69.63. (6A).

Xgpw2295-6A 20.07. (6A).

Xgpw2332-6A 20.07. (6A).

XgpwE1-6B 70.19. (6B).

XgpwE3-6B 87.92. (6B).

XgpwE6-6D 54.26. (6D).

XgpwE10-6D 54.26. (6D).

Xgwm55a-6D 83.45. (2B)(6D).

Xgwm70-6B{9929}. 107.86. WMS F70/WMS R70. (6B).

Xgwm82-6A{0035}[2]. WMS F82/WMS R82. (2A)(6A).

Xgwm107-6B{0171}. [*Xgwm107c-6B*{0171}]. WMS F107/WMS R107. (3A.3,3B)(4B)(6B).

Xgwm132-6B{9929}. 55.53. WMS F132/WMS R132. (6B,6D).

Xgwm132-6D{0242}. 26.79. WMS F132/WMS R132. (6B,6D).
Xgwm133-6B{9929}. WMS F133/WMS R133. (6B).
Xgwm133a-6B 100.6. (6B).
Xgwm191-6B{9929}. WMS F191/WMS R191. (2B)(5B,5B.1)(6B,6B.1).
Xgwm191-6B.1 111.58. (2B)(5B,5B.1)(6B,6B.1).
Xgwm193-6B{724}. WMS 193F/WMS 193R. (6B).
Xgwm193a-6B 103.37. (6B).
Xgwm334-6A{724}. 28.13. WMS 34F/WMS 334R. (6A).
Xgwm361-6B{9929}. 105.85. WMS F361/WMS R361. (6B)(7B).
Xgwm459-6A{9929}. 15.91, 21. WMS F459/WMS R459. (6A).
Xgwm469-6D{9929}. 39. WMS F469/WMS R469. (6D).
Xgwm494a-6A 70.03. (6A).
Xgwm497-6A.3 72.92. (1A,1A.2)(2A)(3A,3D,3D.1)(5B)(6A.3).
Xgwm508-6B{9929}. 98.01. WMS F508/WMS R508. (6B).
Xgwm518-6B{9929}. WMS F518/WMS R518. (6B).
Xgwm518a-6B 81. (6B).
Xgwm518b-6B 110.42. (6B).
Xgwm608a-6B 111.58. (4D)(6B).
Xgwm613-6B{9929}. WMS F613/WMS R613. (4A)(6B).
Xgwm613a-6B 0.18. (6B).
Xgwm613b-6B 56.37. (6B).
Xgwm644-6B{9929}[1], {0269}[2]. WMS F644/WMS R644. (6B)(7B,7B.2).
Xgwm644a-6B 102.26. (6B).
Xgwm768-6B 58.49. (6B).
Xgwm816-6B 98.05. (6B).
XHak1-6A{9932}[3]. [*XhvHAK1-6A*{9932}]. HvHAK1{9932}.
  (2A,2D)(3A,3D)(4A,4B,4D)(6A,6B,6D).
XHak1-6D{9932}[1]. [*XhvHAK1-6D*{9932}]. HvHAK1{9932}.
  (2A,2D)(3A,3D)(4A,4B,4D)(6A,6B,6D).
Xksu924(Ppo)-6A{0091}. [*Ppo6A*{0091}]. 7C02D02{0094}. (6A,6D).
Xksu924(Ppo)-6D{0091}. [*Ppo6D*{0091}]. 7C02D02{0094}. (6A,6D).
Xksu925(Hrp)-6A{0091}. [*Hrp-6A*{0091}]. 5C05D01{0094}. (6A).
Xksu926(Rip)-6D{0091}. [*Rip-6D*{0091}]. 5C04F01{0094}. (6D).
XksuE3-6A{282}[3]. pTtksuE3{448}. (1A)(2A,2B,2D)(3A,3B)(4A)(6A,6D)(7A,7D,7D.4).
XksuF43-6D{448}[4],{444}[1]. [*XksuF43(A)-6D*{448}]. pTtksuF43.
  (1A,1B.1,1B.2,1D)(2D)(4D.1,4D.2)(5D.1,5D.2)(6D). The arm location of *XksuF43-6D* in
  Ae. tauschii was not reported in {448}.
XksuG8-6A{110}[2]. [*XksuG8a-6B*{444}]. pTtksuG8. (6A,6B,6D). The arm location of
  XksuG8-6D in *Ae. tauschii* was not reported in {448}.
XksuG8-6B{444}[1], {187}[2]. [*XksuG8a-6B*{444}]. pTtksuG8. (6A,6B,6D).
XksuG8-6D{448}[4], {444}[1], {862}[1]. [*XksuG8a-6B*{444}]. pTtksuG8. (6A,6B,6D). The arm
  location of *XksuG8-6D* in *Ae. tauschii* was not reported in {448}.
XksuG8b-6A 13.62. (6A).
XksuG44-6D{448}. pTtksuG44. (5A,5A,5B,5B.1,5B.2,5D,5D)(6D).
XksuG48-6A{187}[2]. 34.17. pTtksuG48,DG G48{862}. (3B,3D)(6A,6B,6D).
XksuG48-6B{187}[2], {0081}[1]. pTtksuG48,DG G48{862}. (3B,3D)(6A,6B,6D).
XksuG48-6D{448}[4],{444,862}[1]. [*XksuG48(A)-6D*{448}]. pTtksuG48,DG G48{862}.
  (3B,3D)(6A,6B,6D). The arm location of *XksuG48-6D* in *Ae. tauschii* was not reported in
  {448}.
XksuG48a-6D 35.52. (6D).
XksuG58-6A{444}[1]. pTtksuG58. (6A,6B,6D).

XksuG58-6B{444}[1]. pTtksuG58. (6A,6B,6D).

XksuG58-6D{448}[4],{444}[1]. pTtksuG58. (6A,6B,6D). The arm location of *XksuG58-6D* in *Ae. tauschii* was not reported in {448}.

XksuH3-6D{448}. pTtksuH3. (6D).

XksuH4-6A{444}[1],{900}[1]. pTtksuH4. (6A,6A.2,6B,6B.1,6D). Two *XksuH4* loci in 6A, 6B and 6D were reported in {444}.

XksuH4-6A.2 47.81. (6A,6A.2,6B,6B.1,6D).

XksuH4-6B{444}[1],{900}[1]. pTtksuH4. (6A,6A.2,6B,6B.1,6D). Two *XksuH4* loci in 6A, 6B and 6D were reported in {444}.

XksuH4-6B.1 94.12. (6A,6A.2,6B,6B.1,6D).

XksuH4-6D{448}[4],{444}[1],{862}[1]. pTtksuH4. (6A,6A.2,6B,6B.1,6D). The arm location of *XksuH4-6D* in *Ae. tauschii* was not reported in {448}. Two *XksuH4* loci in 6A, 6B and 6D were reported in {444}.

XksuH11-6A{187}[2]. pTtksuH11{448}. (4B,4D)(5A)(6A,6D).

XksuH14-6B{900}. pTtksuH14. (1A,1B,1D)(6B).

XksuH14a-6B 112.35. (4D)(6B).

XksuI28-6A{0351}[1]. pTtksuI28. (6A,6B,6D). The arm location of *XksuI28-6D* in *Ae. tauschii* was not reported in {448}.

XksuI28-6B{444,860}[1]. pTtksuI28. (6A,6B,6D).

XksuI28-6D{448}[4],{444}[1]. pTtksuI28. (6A,6B,6D). The arm location of *XksuI28-6D* in *T. tauschii* was not reported in {448}.

XksuM9S-6D{2448}[4]. [*XksuM9S-6D*{9926}]. pTtksuM9S{448}. (5D)(6D).

XksuM90-6B{444}. pTtksuM90. (6B,6D).

XksuM90-6D{9926}[4]. pTtksuM90. (6B,6D). The arm location of *XksuM90-6D* in *Ae. tauschii* was not reported in {9926}.

XksuM95-6A{0351}. pTtksuM95. (6A,6B,6D).

XksuM95-6B{0351}. pTtksuM95. (6A,6B,6D).

XksuM95-6D{0351}. pTtksuM95. (6A,6B,6D).

XM51P65-6B.1 74.78. (1A.5,1B.3)(2D.0)(4A.6)(5B.4)(6B.1)(7A.7).

XM85P65-6B.6 114.4. (1B.5)(2A.4)(5A.0,5A.2)(6A.3,6B.6)(7A.1).

XM86P65-6B.5 104.18. (2B.1,2D.3)(3B.4)(6B.5)(7B.0).

Xmgb56-6A{110}[2]. MGB56. (6A).

Xmta15-6A 35.36. (6A).

Xmtd15-6A 45.36. (6A).

Xmtd15(Gli-2)-6A{154}. MTD15{629}. (6A).

Xmtd184-6A{154}. 35.96. MTD184{629}. (6A).

Xmwg59-6A{9926}[4],{0351}[1]. MWG59. (6A,6B,6D).

Xmwg59-6B{9926}[4],{0351}[1]. MWG59. (6A,6B,6D).

Xmwg59-6D{0351}[1]. MWG59. (6A,6B,6D).

Xmwg67-6A{900}. MWG67. (1A)(6A,6A.1).

Xmwg67-6A.1 30.8. (1A)(6A,6A.1).

Xmwg79-6B{9927}[2]. MWG79. (6B).

Xmwg549-6D{900}. MWG549. (4A,4A.1)(5A,5D)(6D,6D.2).

Xmwg549-6D.2 42.5. (4A,4A.1)(5A,5D)(6D,6D.2).

Xmwg573-6A.2{282}[3]. MWG573. (6A.1,6A.2,6B,6D)(7D.1,7D.2).

Xmwg573-6D{9926}[4]. MWG573. (6A.1,6A.2,6B,6D)(7D.1,7D.2).

Xmwg573a-6A 53.96. (6A).

Xmwg620-6A{9927}[2]. MWG620. (6A).

Xmwg652-6A 42.8. (6A).

Xmwg820-6A{282}[3]. MWG820{467}. (2D)(5A)(6A,6B).

Xmwg887-6A.1{9927}[2],{0351}[1]. [*Xmwg887-6A*{0351}]. MWG887. (6A.1,6A.2,6D).

Xmwg887-6D{0351}[1]. [*Xmwg887-6A*{0351}]. MWG887. (6A.1,6A.2,6D).
Xmwg900a-6B 115.74. (6B).
Xmwg916-6A{9927}[2],{0351}[1]. MWG916. (6A,6B,6D).
Xmwg916-6B{0351}[1]. MWG916. (6A,6B,6D).
Xmwg916-6D{900}[1]. 70.71. MWG916. (6A,6B,6D).
Xmwg966-6A{9927}[2]. MWG966. (6A,6B,6D).
Xmwg966-6B{0081}[1]. MWG966. (6A,6B,6D).
Xmwg966-6D{0351}[1]. MWG966. (6A,6B,6D).
Xmwg2218-6B{0351}. MWG2218. (6B,6D).
Xmwg2218-6D{0351}. MWG2218. (6B,6D).
Xmxe3M2o-6A 49.11. (6A).
XP78M63-6B.1 74.78. (2A.2)(6B.1,6B.3a)(7A.6,7B.4,7B.7).
XP78M72-6B.7 104.18. (1B.4)(2B.8,2D.4a)(5B.3)(6B.7)(7A.2).
XP78M87-6A.7 0.12. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
Xpsp302-6A.3 33.22. (6A.3).
Xpsp551-6B{0086}. PSP551F1/PSP551R1. (6B).
Xpsp3009-6B{151,1425}. 95.65. PSP3009F/PSP3009R. (6B).
Xpsp3029-6A.2{1425}. PSP3029F/PSP3029R. (2A)(6A.1,6A.2).
Xpsp3058-6D{1425}. PSP3058F/PSP3058R. (2D)(4A)(6D).
Xpsp3079-6B{1425}. PSP3079F/PSP3079R. (4D)(6B).
Xpsp3118-6B 111.58. (6B).
Xpsp3152-6A{151,1425}. 80.66. PSP3152F/PSP3152R. (6A).
Xpsp3200-6D{598,1425}. 6. PSP3200F/PSP3200R. (6D).
Xpsr8(cxp3)1-6A 21.13. (6A).
Xpsr8(Cxp3)-6A{079,598}[1],{187}[2]. [*Xcxp-6A*{961}]. 2437{078}. (6A,6B,6D).
Xpsr8(Cxp3)-6B{079,598},{187}[2]. [*Xcxp-6B*{961}]. 2437{078}. (6A,6B,6D).
Xpsr8(Cxp3)-6D{079,598}. [*Xcxp-6D*{961}]. 2437{078}. (6A,6B,6D).
Xpsr10-6A 40.13. (6A).
Xpsr10(Gli-2)-6A{494,598},{187}[2]. [*Xgli-6A*]. pTag53{494,065}. (6A,6B,6D).
Xpsr10(Gli-2)-6B{494,598},{187}[2]. [*Xgli-6B*]. pTag53{494,065}. (6A,6B,6D).
Xpsr10(Gli-2)-6D{494,598} . [*Xgli-6D*]. pTag53{494,065}. (6A,6B,6D).
Xpsr106-6D 68.47. (6D).
Xpsr106(Cyp)-6A{598}[b]. [*Xpsr106-6A*{598}]. PSR106. (6A,6B,6D).
Xpsr106(Cyp)-6B{598}[b]. [*Xpsr106-6B*{598}]. PSR106. (6A,6B,6D).
Xpsr106(Cyp)-6D{598}[b]. [*Xpsr106-6D*{598}]. PSR106. (6A,6B,6D).
Xpsr113-6A{598}. PSR113. (6A,6B,6D).
Xpsr113-6B{598}. PSR113. (6A,6B,6D).
Xpsr113-6D{598}. PSR113. (6A,6B,6D).
Xpsr119-6A{0242}. [*Xpsr119a-6A*{0242}]. PSR119. (6A).
Xpsr119a-6A 39.93. (6A)(7A).
Xpsr136-6B 69.15. (6B).
Xpsr141(Pgk2)-6A{598}[b]. [*Xpsr141-6A*{598}]. PSR141. (6A,6B,6D,6D.1,6D.2).
Xpsr141(Pgk2)-6B{598}[b]. [*Xpsr141-6B*{598}]. PSR141. (6A,6B,6D,6D.1,6D.2).
Xpsr141(Pgk2)-6D{598}[b]. [*Xpsr141-6D*{598}]. PSR141. (6A,6B,6D,6D.1,6D.2).
Xpsr141(Pgk2)-6D.1{0081}. PSR141. (6A,6B,6D,6D.1,6D.2).
Xpsr141(Pgk2)-6D.2{0081}. PSR141. (6A,6B,6D,6D.1,6D.2).
Xpsr141a-6B 106.33. (6B).
Xpsr167(Hpr)-6A{1329}[b]. [*Xpsr167-6A*{1329}]. PSR167. (5B)(6A,6B,6D).
Xpsr167(Hpr)-6B{1329}[b]. [*Xpsr167-6B*{1329}]. PSR167. (5B)(6A,6B,6D).
Xpsr167(Hpr)-6D{1329}[b]. [*Xpsr167-6D*{1329}, *Xpsr167(Hr)-6D*{9926}]. PSR167.
     (5B)(6A,6B,6D).

Xpsr167a(Hpr)-6B 57. (6B).
Xpsr167b-6A 10. (6A,6B).
Xpsr301-6A{598}. [*Xpsr301-6B*{598}]. PSR301. (6A,6B.1,6B.2,6D).
Xpsr301-6B.1{598,0081}. [*Xpsr301-6B*{598}]. PSR301. (6A,6B.1,6B.2,6D).
Xpsr301-6D{598}. [*Xpsr301-6B*{598}]. PSR301. (6A,6B.1,6B.2,6D).
Xpsr312-6A{598}. 66.62. PSR312. (6A,6B,6D).
Xpsr312-6B{598}. PSR312. (6A,6B,6D).
Xpsr312-6D{598}. PSR312. (6A,6B,6D).
Xpsr477(Pgk1-2)-6A{178}. [*Xpsr477(Pgk2)-6A*]. p20{834}. (6A,6B,6D).
Xpsr477(Pgk1-2)-6B{178}. [*Xpsr477(Pgk2)-6B*]. p20{834}. (6A,6B,6D).
Xpsr477(Pgk1-2)-6D{178}. [*Xpsr477(Pgk2)-6D*]. p20{834}. (6A,6B,6D).
Xpsr484(Cat)-6A{598}. pCat2.1c{104}. (4B,4D)(5A)(6A,6B,6D).
Xpsr484(Cat)-6B{598}. pCat2.1c{104}. (4B,4D)(5A)(6A,6B,6D).
Xpsr484(Cat)-6D{598}. pCat2.1c{104}. (4B,4D)(5A)(6A,6B,6D).
Xpsr546-6A.1{9927}[2]. [*Xpsr546-6A*{9927}[2]]. PSR546. (6A.1,6A.2,6B,6D).
Xpsr551-6B{598}. PSR551. (2B)(6B).
Xpsr563-6A{496,598}. PSR563. (4D)(6A)(7A,7A.2,7D,7D.1).
Xpsr627-6A{598}. 73.6. PSR627. (6A,6B,6D).
Xpsr627-6B{598}. PSR627. (6A,6B,6D).
Xpsr627-6D{598}. 69.28. PSR627. (6A,6B,6D).
Xpsr662-6A{598}. PSR662. (1B)(6A)(7A,7B,7D).
Xpsr681-6D{256}. PSR681. (2A,2B,2D)(6D)(7B).
Xpsr831-6A{598}. PSR831. (6A,6B,6D).
Xpsr831-6B{598}. PSR831. (6A,6B,6D).
Xpsr831-6D{598}. PSR831. (6A,6B,6D).
Xpsr889-6A.2 12.95. (6A.2,6D.1).
Xpsr889-6D.1 -0.26. (6A.2,6D.1).
Xpsr899-6A{256,399}. PSR899. (2B)(6A,6D).
Xpsr899-6D{256,399}. PSR899. (2B)(6A,6D).
Xpsr899a-6A 11.17. (6A).
Xpsr899b-6D 6. (6D).
Xpsr904-6A{250,598}. PSR904. (3A,3D)(6A,6D).
Xpsr962-6A{0351}. PSR962. (6A,6B,6D).
Xpsr962-6B{598}. PSR962. (6A,6B,6D).
Xpsr962-6D{598}. PSR962. (6A,6B,6D).
Xpsr964-6B{598}. PSR964. (6B,6D).
Xpsr964-6D{598}. 27.34. PSR964. (6B,6D).
Xpsr967-6A{598}. PSR967. (1A,1A.1,1B,1B.2)(4B)(5A,5A.3)(6A,6A.4,6B).
Xpsr967-6A.4 23.84. (1A,1A.1,1B,1B.2)(4B)(5A,5A.3)(6A,6A.4,6B).
Xptag53-6A 53.62. (6A).
Xrgc69-6A{598}. RGC69. (6A,6B,6D).
Xrgc69-6B{598}. RGC69. (6A,6B,6D).
Xrgc69-6D{598}. RGC69. (6A,6B,6D).
Xrsq805(Embp)-6B{248,598}. [*XEmbp-6B*]. pGC19{471}.
    (2B)(3B)(5A,5B,5D)(6A,6B)(7D).
Xrz273-6B 98.66. (6B).
Xrz476-6B{0081}. RZ476. (6B)(7B).
Xrz476a-6B 113.38. (6B).
Xrz995-6B{900}. 86.72. RZ995. (6B)(7A).
Xtam3-6A{245}. TAM3. (6A,6B,6D).
Xtam3-6B{245}. TAM3{245}. (6A,6B,6D).

Xtam3-6D{245}. TAM3{245}. (6A,6B,6D).
Xtam6-6A{245},{187}[2]. TAM6{245}. (6A,6B).
Xtam6-6B{245},{187}[2]. TAM6{245}. (6A,6B).
Xtam10-6A.1{245}[1]. [*Xtam10-6*{245}]. TAM10{245}. (6A,6A.1,6A.2,6B).
Xtam10-6B{245}[1], {187}[2]. [*Xtam10-6A*{245}]. TAM10{245}. (6A,6A.1,6A.2,6B).
Xtam31-6A{187}[2],{245}[1]. TAM31{245}. (6A,6B,6D).
Xtam31-6B{187}[2],{245}[1]. TAM31{245}. (6A,6B,6D).
Xtam31-6D{245}[1]. 86.93. TAM31{245}. (6A,6B,6D).
Xtam57-6A{245}[1],{187}[2]. TAM57{245}. (6A,6B,6D).
Xtam57-6B{187}[2],{245}[1]. TAM57{245}. (6A,6B,6D).
Xtam60-6A{187}[2],{0351}[1]. TAM60{245}. (6A,6B,6D).
Xtam60-6B{187}[2],{245}[1]. 96.34. TAM60{245}. (6A,6B,6D).
Xtam60-6D{0351}. TAM60{245}. (6A,6B,6D).
Xtav1929(Cyp)-6A.1{598}. TAV1929{126}. (6A.1,6A.2,6B.1,6D.1).
Xtav1929(Cyp)-6B.1{598}. TAV1929{126}. (6A.1,6A.2,6B.1,6D.1).
Xuta1(Psif)-6A{0081}. p26{999}. (6A,6B,6D).
Xuta1(Psif)-6B{0081}. p26{999}. (6A,6B,6D).
Xuta1(Psif)-6D{0081}. p26{999}. (6A,6B,6D).
Xuta2(Psif)-6D{0081}. p28{999}. (6D).
Xutv707-6A{9959}[2]. UTV707. (6A).
Xutv1034-6A{9959}[2]. UTV1034. (6A).
Xutv1035-6A{9959}[2]. UTV1035. (6A).
Xutv1151-6A.1{0269}[2]. [*Xutv1151a-6A*{0269}[2]]. UTV1151. (3A)(6A.1,6A.2).
Xutv1151-6A.2{0269}[2]. [*Xutv1151b-6A*{0269}[2]]. UTV1151. (3A)(6A.1,6A.2).
Xutv1280-6B{9959}[2]. UTV1280. (6B).
Xutv1391-6A{9959}[2]. UTV1391. (1A,1B)(6A).
Xutv1471-6A{9959}[2]. UTV1471. (6A).
XWB101ib-6B 113.43. (6B).
XWB173t-6D 29.18. (6D).
XWC0049t-6D 0.37. (6D).
Xwg241-6B{0354}. [*Xwg241d-6B*{0354}]. WG241. (1A,1B,1D)(6B)(7D).
Xwg487-6A{154}. 28.17. WG487{545}. (6A).
Xwg908-6B.1 98.55. (1A)(5A,5B,5B.1,5B.2,5D)(6B.1).
Xwmc95-6B{0248}. 80.92. WMC 95F/WMC 95R. (6B).
Xwmc104-6B{0032, 0276}. WMC F104/WMC R104{0037}. (1A)(6B).
Xwmc105-6B{0348}. WMC 105F/WMC 105R. (6B).
Xwmc105y-6B 114.17. (6B).
Xwmc113x-6D 66.4. (6D).
Xwmc182a-6B 101.4. (6B).
Xwmc397b-6B 116.75. (6B).
Xwmc416-6D{0242}. 77. WMC 416F/WMC 416R. (6D).
Xwmc486-6B 6.05. (6B).
Xwmc494-6B 86.56. (6B).
Xwsuj1(Gst)-6A{9972}. GST TSI-1{9973}. (6A,6B,6D).
Xwsuj1(Gst)-6B{9972}. GST TSI-1{9973}. (6A,6B,6D).
Xwsuj1(Gst)-6D{9972}. GST TSI-1{9973}. (6A,6B,6D).
Xycu1194-6A{9935}[3]. YCU1194. (6A).

26. Group 6L

M60/P64-6A.2 93.95. (1A.8)(2A.6)(3B.11,3B.13,3B.5a)(4A.1,4A.10)(5A.4)(6A.2).
M85/P65-6A.3 93.95. (1B.5)(2A.4)(5A.0,5A.2)(6A.3,6B.6).

Nor.b2-6B 128.17. (6B).
P31/M48-1-6A 147.74. (6A).
P31/M48-3-6A 130.87. (6A).
P31/M53-2-6A 152.48. (6A).
P32/M52-290-6D 153.74. (6D).
P32/M54-2-6B 161.39. (6B).
P33/M52-3-6B 131.79. (6B).
P33/M52-8-6A 155.19. (6A).
P34/M47-1-6D 155.85. (6D).
P34/M51-219-6B 135.12. (6B).
P35/M47-8-6D 186.18. (6D).
P35/M47-14-6A 142.13. (6A).
P35/M48-1-6A 137.05. (6A).
P35/M48-7-6D 185.32. (6D).
P35/M49-4-6B 135.12. (6B).
P35/M57-4-6A 143.34. (6A).
P35/M61-2-6B 142.71. (6B).
P36/M61-90-6D 153.03. (6D).
P37/M47-6-6A 96.7. (6A).
P38/M50-1-6B 163.4. (6B).
P38/M51-4-6A 159.86. (6A).
P39/M49-238-6A 142.13. (6A).
P39/M50-6-6D 172.28. (6D).
P40/M47-5-6D 198.49. (6D).
P40/M47-6-6A 94.1. (6A).
P40/M55-1-6A 143. (6A).
P40/M56-4-6D 103.32. (6D).
P40/M61-1-6B 145.89. (6B).
P41/M47-2-6B 126. (6B).
P41/M48-136-6B 126. (6B).
P41/M48-304-6A 98.87. (6A).
P41/M51-316-6A 144.01. (6A).
P41/M58-90-6A 144.01. (6A).
P41/M58-260-6B 129.37. (6B).
P43/M62-1-6D 97.15. (6D).
P78/M43-6B.13 139.75.
    (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
P78/M63-6B.3a 165.1. (2A.2)(6B.1,6B.3a)(7B.4,7B.7).
P78/M87-6B.5a 124. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
psr546a-6A 142.13. (6A).
S12M15_9-6A 140.61. (6A).
S12M26_9-6A 138.64. (6A).
S13M14_9-6A 138.94. (6A).
S13M14_10-6B 154.55. (6B).
S13M15_6-6A 144.75. (6A).
S13M25_5-6A 135.46. (6A).
S18M17_3-6A 140.76. (6A).
S23M14_5-6B 130.06. (6B).
S23M15_1-6A 108.41. (6A).
S23M15_6-6A 136.28. (6A,6B).
S23M15_8-6A 133.68. (6A).

S24M15_4-6B 202.53. (6B).
S24M17_5-6B 129.99. (6B).
XaAmy1-6B 142.57. (6B).
Xabc154-6A{282}[3]. ABC154{664}. (6A).
Xabc163-6A{282}[3]. ABC163{664}. (6A,6D).
Xabc163-6D{0081}[1]. ABC163. (6A,6D).
Xabc173b-6D 110.16. (6D).
Xabc175-6A{9927}[2],{0081}[1]. [*Xabc175a-6B*{0242}]. ABC175. (6A,6B,6D).
Xabc175-6B{0242}[1]. [*Xabc175a-6B*{0242}]. ABC175. (6A,6B,6D).
Xabc175-6D{900}1[1]. [*Xabc175a-6B*{0242}]. 95.7. ABC175. (6A,6B,6D).
Xabc175a-6B 134.22. (6B).
Xabc175b-6A 95.33. (6A).
Xabg1-6B{0081}. ABG1. (6B,6D).
Xabg1-6D{0081}. ABG1. (6B,6D).
Xabg20-6A{282}[3],{0081}[1]. ABG20{664}. (6A,6B,6D). The arm location of *Xabg20-6A*
    was not reported in {282} and {900}.
Xabg20-6B{0081}. ABG20{664}. (6A,6B,6D).
Xabg20-6D{900,0081}[1]. 106. ABG20{664}. (6A,6B,6D). The arm location of *Xabg20-6D*
    was not reported in {282} and {900}.
Xabg388-6A{282}[3]. ABG388{664}. (6A,6B).
Xabg388-6B{0081}[1]. ABG388. (6A,6B).
Xabg473-6A{0242}. ABG473. (5A,5B,5B.1,5D)(6A,6B,6B.2).
Xabg473-6B{900}. ABG473. (5A,5B,5B.1,5D)(6A,6B,6B.2).
Xabg473-6B.2 146.98. (5A,5B,5B.1,5D)(6A,6B,6B.2).
Xabg474-6A{9927}[2]. ABG474. (6A).
Xabg652-6A{282}[3]. ABG652{664}. (6A)(7A).
Xabl26-6A{598}. [*Xucw26-6A*{598}]. LMC26. (6A,6B,6D).
Xabl26-6B{598}. [*Xucw26-6B*{598}]. LMC26. (6A,6B,6D).
Xabl26-6D{598}. [*Xucw26-6D*{598}]. LMC26. (6A,6B,6D).
Xak1220(Nra2)-6A{655}. [*XNra-6A*{655}]. pMJ4{1022}. (6A,6B,6D).
Xak1220(Nra2)-6B{655}. [*XNra-6B*{655}]. pMJ4{1022}. (6A,6B,6D).
Xak1220(Nra2)-6D{655}. [*XNra-6D*{655}]. pMJ4{1022}. (6A,6B,6D).
Xbarc21-6D 154.76. (6D).
Xbarc24-6B 141.98. (6B).
Xbarc79-6B 125. (6B).
Xbarc104-6A 125.21. (6A).
Xbarc134-6B 154.33. (6B).
Xbarc175-6D 103.36. (6D).
Xbarc178-6B 144.03. (6B).
Xbarc204-6A.1 97.92. (6A.1,6D).
Xbarc204-6D 102.11. (6A.1,6D).
Xbarc273-6D 98.63. (6D).
Xbarc354-6B 131.16. (6B).
Xbarc1121-6D 105.45. (6D).
Xbcd1-6A{0081}[1]. BCD1{028}. (6A,6B,6D).
Xbcd1-6B{187}[2],{0081}[1]. BCD1{028}. (6A,6B,6D).
Xbcd1-6D{0081}[1]. BCD1{028}. (6A,6B,6D).
Xbcd102-6A{0081}. BCD102. (2D)(5B)(6A,6B,6B.1).
Xbcd102-6B{860,0071}. BCD102. (2D)(5B)(6A,6B,6B.1).
Xbcd276-6B{0081}. BCD276. (6B,6D).
Xbcd276-6D{0081}. BCD276. (6B,6D).

Xbcd279-6B{0269}[2]. BCD279. (6B).

Xbcd357-6B{860,0071}. BCD357. (6B,6D,6D.2). The arm location of *Xbcd357-6B* was not reported in {860}.

Xbcd357-6D{900}. BCD357. (6B,6D,6D.2). The arm location of *Xbcd357-6B* was not reported in {860}.

Xbcd357-6D.2 88.46. (6B,6D,6D.2).

Xbcd506-6A{900}. BCD506. (6A).

Xbcd506x-6A 96.34. (6A).

Xbcd758-6A{900}. 99.21. BCD758. (6A).

Xbcd880-6A{9927}[2]. BCD880. (6A,6B).

Xbcd880-6B{9927}[2]. BCD880. (6A,6B).

Xbcd1319-6D{900}. 145. BCD1319. (6B,6D).

Xbcd1383-6B{900}. 132.55. BCD1383. (6B,6D).

Xbcd1398b-6B 128. (6B).

Xbcd1407-6B{900}. BCD1407. (1A,1A.1)(6B).

Xbcd1407b-6B 127. (6B).

Xbcd1510-6A{900}. BCD1510. (6A,6D).

Xbcd1510-6D{900}. BCD1510. (6A,6D).

Xbcd1510a-6D 149.09. (6D).

Xbcd1510b-6A 138.65. (6A).

Xbcd1716-6D.2 87.62. (6B,6D,6D.2).

Xbcd1860-6A{900}. 100.66. BCD1860. (6A,6B).

Xcdo204-6A{900}. 101.44. CDO204. (6A).

Xcdo341-6B{900}. CDO341. (6B).

Xcdo341b-6B 139.86. (6B).

Xcdo388-6A{900}[1]. 111.96. CDO388.
  (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2).

Xcdo388-6D{9926}[4]. CDO388.
  (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2).

Xcdo507-6A{9927}[2]. CDO507. (6A,6B).

Xcdo507-6B{900}[1]. CDO507. (6A,6B).

Xcdo507b-6B 124. (6B).

Xcdo516-6A{9927}[2]. CDO516. (6A,6B).

Xcdo516-6B{9927}[2]. CDO516. (6A,6B).

Xcdo534b-6D 107.37. (6D).

Xcdo686-6B{0269}[2]. CDO686. (6B)(7B).

Xcdo772-6A{900}. 104.03. CDO772. (6A,6B,6D).

Xcdo772-6B{9921}. 130.99. (6A,6B,6D).

Xcdo772-6D{0081}. CDO772. (6A,6B,6D).

Xcdo836-6A{900}. [*Xcdo836c-6A*{154}]. CDO836. (6A,6A.1,6B,6B.1,6B.2,6D).

Xcdo836-6A.1 135.61. (6A,6A.1,6B,6B.1,6B.2,6D).

Xcdo836-6B 156.05. (6A,6A.1,6B,6B.1,6B.2,6D).

Xcdo836-6B.1{154}. [*Xcdo836c-6B*{154}]. CDO836. (6A,6A.1,6B,6B.1,6B.2,6D).

Xcdo836-6B.2{154}. [*Xcdo836a-6B*{154}]. CDO836. (6A,6A.1,6B,6B.1,6B.2,6D).

Xcdo836-6D{900}. CDO836. (6A,6A.1,6B,6B.1,6B.2,6D).

Xcdo836a-6D 132.19. (6D).

Xcdo836b-6D 152.95. (6D).

Xcdo1091-6A{9927}[2]. CDO1091. (6A,6B).

Xcdo1091-6B{860}[1]. CDO1091. (6A,6B).

Xcdo1091a-6A 123.82. (6A).

Xcdo1091b-6B 147.61. (6B).

Xcdo1373b-6A 108.24. (6A).

Xcdo1428-6A{900}. 94.35. CDO1428. (6A).

Xcfa2114-6A 127.23. (6A).

Xcfd5-6D{0349}. 150.49. CFD 5F/CFD 5R. (6D).

Xcfd30-6A{0349}. 102.21. CFD 30F/CFD 30R. (6A).

Xcfd37-6D{0349}. 99.97. CFD 37F/CFD 37R. (6D).

Xcfd38-6D{0349}. 124.56. CFD 38F/CFD 38R. (6D).

Xcfd45-6D{0349}. 137.98. CFD 45F/CFD 45R. (6D).

Xcfd47-6D{0349}. 92.81. CFD 47F/CFD 47R. (6D).

Xcfd60-6D{0349}. 156.43. CFD 60F/CFD 60R. (6D).

Xcfd76-6D{0349}. 88.89. CFD 76F/CFD 76R. (6D).

Xcfd95-6D 102.86. (6D).

Xcfd188-6D 88.11. (6D).

Xcfd287-6D 89.99. (6D).

Xcmwg644-6A{0081}. cMWG644. (6A,6B,6D).

Xcmwg644-6B{0081}. cMWG644. (6A,6B,6D).

Xcmwg644-6D{0081}. cMWG644. (6A,6B,6D).

Xcmwg653-6A{0081}. cMWG653. (6A,6B,6D). A *Xcmwg653-6A* locus was previously mapped 1.5 cM proximal to the centromere on 6AS {9927}. It is likely that *Xcmwg653-6A* is, in fact, located on the long arm of 6AL {0081}.

Xcmwg653-6B{0081}. cMWG653. (6A,6B,6D).

Xcmwg653-6D{0081}. cMWG653. (6A,6B,6D).

Xcmwg664-6B{0081}. cMWG664. (6A,6B,6D).

Xcmwg664-6D{0081}. cMWG664. (6A,6B,6D).

Xcmwg669-6A{9927}[2]. cMWG669. (6A,6B,6D)(7D).

Xcmwg669-6B{9927}[2]. cMWG669. (6A,6B,6D)(7D).

Xcmwg669-6D{900}[1]. 108.38. cMWG669. (6A,6B,6D)(7D).

XCMWG674-6A{9927}[2],{0081}[1]. cMWG674. (6A).

Xcmwg674-6B{0081}[1]. cMWG674. (6B,6D).

Xcmwg674-6D{0081}[1]. cMWG674. (6B,6D).

Xcmwg684-6A{282}[3],{9927}[2],{0081}[1]. [*Xcmwg684-6A*{9927,0081}]. cMWG684{467}. (6A,6B.1,6B.2,6D).

Xcmwg684-6B.2{9927}[2],{0081}[1]. [*Xcmwg684-6B*{9927,0081}, *Xcmwg684b*]. cMWG684. (6A,6B.1,6B.2,6D).

Xcmwg684-6D{0031}[1]. [*Xcmwg684-6D*{0031}]. cMWG684. (6A,6B.1,6B.2,6D).

Xcmwg684a-6D 151.39. (6D).

Xcmwg716-6D{0081}. cMWG716. (6D).

Xcsb112-6D.2 113.25. (6D.2).

Xcsb112(Dhn5)-6A{187}[2]. [*Xdhn5-6A*{187}, *Xcsb112(Dhn5)-6D.2*{0081}]. pHv5{209}. (6A,6B,6D).

Xcsb112(Dhn5)-6B{187}[2]. [*Xdhn5-6B*{187}, *Xcsb112(Dhn5)-6B.2*]. pHv5{209}. (6A,6B,6D).

Xcsb112.1(Dhn5)-6A 114.96. (6A).

Xcsb112.2(Dhn5)-6D 113.25. (6D).

Xfba1-6A{0081}. FBA1. (6A,6B,6D).

Xfba8-6A{900}. 134.9. FBA008. (1D)(2A)(3B)(4B)(6A)(7D).

Xfba20-6A{900}. 134.78. FBA020. (6A).

Xfba26-6D{154}. [*Xfba26a-6D*{154}]. FBA026. (6D).

Xfba26a-6D 146.33. (6D).

Xfba42-6B{900}. FBA042. (6B)(7A,7B).

Xfba42c-6B 144.87. (6B).

Xfba67b-6B 135.71. (6B).
Xfba76-6D{154}. 140.5. FBA076. (6D).
Xfba81-6B{0081}. FBA81. (6B,6D).
Xfba81-6D{900}. 120. FBA081. (6B,6D).
Xfba111-6A{900}. FBA111. (2D)(6A,6B,6D).
Xfba111-6B{900}. FBA111. (2D)(6A,6B,6D).
Xfba111-6D{0081}. FBA111. (2D)(6A,6B,6D).
Xfba111a-6B 157. (2D)(6B).
Xfba111b-6A 121.6. (2D)(6A).
Xfba127-6B{154}. [*Xfba127a-6B*{154}]. FBA127. (2B)(3A,3A.1)(5B)(6B)(7A).
Xfba127a-6B 165.06. (6B)(7A,7B).
Xfba175-6B.2{0244}. [*Xfba175b-6B*{0244}]. FBA175. (3A)(6B.1,6B.2).
Xfba251-6B{900}. 169.72. FBA251. (6B).
Xfba328-6B{0081}. FBA328. (6B). A *Xfba328-6B* locus was previously mapped close to the centromere on 6BS {900}. The precise arm location had not been confirmed using ditelosomic analysis, and this locus may, in fact, be located on 6BL.
Xfba328b-6B 134.94. (6B).
Xfba336b-6D 106.58. (6D).
Xfba344-6B{900}. 135.08. FBA344. (6B).
Xfba345b-6B 135.08. (2A)(6B).
Xfba367-6A{900}. FBA367. (5B,5B.1)(6A).
Xfba367a-6A 99.21. (6A).
Xfba381-6D 100.16. (6B,6B.1,6D,6D.1,6D.2).
Xfba381-6D.1{900}[1]. [*Xfba381-6D*{900}]. FBA381. (6B,6B.1,6D,6D.1,6D.2).
Xfba397-6A{900,0081}. 95.71. FBA397. (6A,6B,6D).
Xfba397-6B{0081}. FBA397. (6A,6B,6D).
Xfba397-6D{0081}. FBA397. (6A,6B,6D).
Xfbb40-6A{900}. FBB040. (2B,2B.2)(6A,6A.1,6D).
Xfbb40-6A.1 134.78. (2B,2B.2)(6A,6A.1,6D).
Xfbb40-6D{0081}. FBB040. (2B,2B.2)(6A,6A.1,6D).
Xfbb57-6A{0081}. FBB057. (6A,6B,6D).
Xfbb57-6B{900}. 155.15. FBB057. (6A,6B,6D).
Xfbb57-6D{0081}. FBB057. (6A,6B,6D).
Xfbb59-6B.1{900}. FBB059. (6B.1,6B.2,6D).
Xfbb59-6B.2{900}. FBB059. (6B.1,6B.2,6D).
Xfbb59-6D{900}. FBB059. (6B.1,6B.2,6D).
Xfbb59a-6D 159.74. (6D).
Xfbb59c-6B 169.72. (6B).
Xfbb61-6B{154}. 136.94. FBB061. (2A)(6B).
Xfbb70-6A{900}. FBB070. (6A,6B,6B.2,6D).
Xfbb70-6B{900}. FBB070. (6A,6B,6B.2,6D).
Xfbb70-6B.2 168.8. (6A,6B,6B.2,6D).
Xfbb70-6D{900}. FBB070. (6A,6B,6B.2,6D).
Xfbb70b-6D 159.74. (6D).
Xfbb70c-6A 130.92. (6A).
Xfbb82-6A{900}. FBB082. (6A,6B,6D).
Xfbb82-6B{900}. FBB082. (6A,6B,6D).
Xfbb82-6D{0081}. FBB82. (6A,6B,6D).
Xfbb82a-6B 166.28. (6B).
Xfbb82b-6A 131.6. (6A).
Xfbb95-6B{0081}. FBB95. (6A,6B,6D).

Xfbb95-6D{0081}. FBB95. (6A,6B,6D).

Xfbb95b-6A 95.71. (6A).

Xfbb130-6B{900}. 146.68. FBB130. (6B).

Xfbb156b-6B 138.08. (3B)(6B).

Xfbb164-6A{0081}. FBB164. (6A,6B).

Xfbb164-6B{900}. FBB164. (6A,6B).

Xfbb164a-6A 117.64. (6A).

Xfbb164c-6B 149.31. (6B).

Xfbb169-6A{0081}. FBB169. (6A,6B,6D).

Xfbb169-6B{900}. FBB169. (6A,6B,6D).

Xfbb169-6D{900}. FBB169. (6A,6B,6D).

Xfbb169a-6D 104.34. (6D).

Xfbb169b-6D 136.3. (6D).

Xfbb169x-6B 149.92. (6B).

Xfbb170-6A{900}. 105.82. FBB170. (6A,6B).

Xfbb170-6B{0081}. FBB170. (6A,6B).

Xfbb185-6B{0242}. [*Xfbb185c-6B*{0242}]. FBB185. (2B)(3B)(6B).

Xfbb191-6A{900}. 134.19. FBB191. (6A).

Xfbb192-6A{900}. 98.55. FBB192. (6A).

Xfbb215-6A{900}. 97.11. FBB215. (6A,6D). The arm location of *Xfbb215-6A* was not reported in {900}.

Xfbb215-6D{0081}. FBB215. (6A,6D).

Xfbb221-6A{900}. 130.29. FBB221. (6A,6B).

Xfbb221-6B{0081}. FBB221. (6A,6B).

Xfbb221b-6B 166.28. (6B).

Xfbb231-6D.2{900}. FBB231. (6D.1,6D.2).

Xfbb231b-6D 115.54. (6D).

Xfbb250-6B{154}. [*Xfbb250b-6B*{154}]. FBB250. (1D)(3A)(6B).

Xfbb250b-6B 168.01. (1B)(6B).

Xfbb251x-6B 164.28. (6B).

Xfbb283-6A{900,0081}. FBB283. (3B)(6A,6D). The arm location of *Xfbb283-6A* was not reported in {900}.

Xfbb283b-6A 99.58. (6A).

Xfbb327-6B{900}. 159.78. FBB327. (6B,6D).

Xfbb327-6D{0081}. FBB327. (6B,6D).

Xfbb359-6B{900}. FBB359. (2A)(6B).

Xfbb359b-6B 159.78. (2A)(6B).

Xfbb364-6A{0081}. FBB364. (6A,6B,6D).

Xfbb364-6B{900}. 123. FBB364. (6A,6B,6D).

Xfbb364-6D{0081}. FBB364. (6A,6B,6D).

Xfbb377-6B{900}. FBB377. (2D)(6B).

Xfbb377c-6B 152.53. (6B).

Xfdp3(VAtpB2)-6A{281}[3]. [*XVAtp-B2*{281}]. pHTB2{102}. (6A).

Xgbx3213-6B{9958}. 137.79. gbx3213. (6B).

Xgbx3317-6A{0354}. gbx3317. (6A,6D).

Xgbx3317-6D{9958}. 152.36. gbx3317. (6A,6D).

Xgbx3327-6B{9958}. 124. gbx3327. (6B).

Xgbx3864-6A{9958}. [*Xgbx3864b-6A*{9958}]. gbx3864. (3B,3D)(6A).

Xgbx4071-6A{9958}. [*Xgbx4071a-6D*{0354}]. 133.2. gbx4071. (6A,6D).

Xgbx4071-6D{0354}. [*Xgbx4071a-6D*{0354}]. gbx4071. (6A,6D).

XgbxG367-6A{0354}. [*XgbxG367b-6A*{0354}]. gbxG367. (4B,4D)(6A,6B)(7A).

Xgdm28-6A{0173} . DMS F28/DMS R28. (1B)(6A).

Xgdm98-6D-6D 202.75. (6D).

Xgdm98-6D{0173} . 202.75. DMS F98/DMS R98. (6D).

Xgdm147-6B{0173} . DMS F147/DMS R147. (6B).

Xglk259-6A{822,0049}. pTag259. (1B,1D)(6A). The arm location of *Xglk259-6A* was not reported in {822}.

Xglk299-6A{822,0049}. [*Xglk299a-6A*{822,0049}]. pTag299. (6A,6D). The arm location of *Xglk299-6A* was not reported in {822}.

Xglk299-6D{822}. [*Xglk299b-6D*{822}]. pTag299. (6A,6D). The arm location of *Xglk299-6D* was not reported in {822}.

Xglk334-6A{822,0049}. pTag334. (3D)(6A,6B,6D). The arm location of *Xglk334-6A* was not reported in {822}.

Xglk334-6B{822}[1],{9927}[2]. pTag334. (3D)(6A,6B,6D). The arm locations of *Xglk334-6A* and *Xglk334-6B* in *T. aestivum* were not reported in {822}.

Xglk334-6D{0081}[1]. pTag334. (3D)(6A,6B,6D).

Xglk479-6B{900}[1]. 125. pTAG479{822}. (6A,6B,6D). The arm locations of *Xglk479-6A* and *Xglk479-6D* were not reported in {822} and {9926}.

Xglk495-6B{9927}[2]. pTag495. (6B,6D).

Xglk495-6D{822}[1]. pTag495. (6B,6D).

Xglk512-6A{822,0049}. [*Xglk512a-6A*{822,0049}]. pTag512. (4A)(6A). The arm location of *Xglk512-6A* was not reported in {822}.

Xglk520-6B{822}[1],{9927}[2]. [*Xglk520d*{822}]. pTag520. (1B)(2A)(3B)(5A)(6B).

Xglk547-6A{9927}[2]. pTag547. (6A,6A.1,6A.2,6A.3,6B,6D). The arm locations of *Xglk547-6A.1,.2,.3,* were not reported in {822}.

Xglk547-6A.1{822,0049}[1]. [*Xglk547a,b,c,d-6A.1*{822,0049}]. pTag547. (6A,6A.1,6A.2,6A.3,6B,6D). The arm locations of *Xglk547-6A.1,.2,.3,* were not reported in {822}.

Xglk547-6A.2{822,0049}[1]. [*Xglk547a,b,c,d-6A.2*{822,0049}]. pTag547. (6A,6A.1,6A.2,6A.3,6B,6D). The arm locations of *Xglk547-6A.1,.2,.3,* were not reported in {822}.

Xglk547-6A.3{822,0049}[1]. [*Xglk547a,b,c,d-6A.3*{822,0049}]. pTag547. (6A,6A.1,6A.2,6A.3,6B,6D). The arm locations of *Xglk547-6A.1,.2,.3,B* were not reported in {822}.

Xglk547-6B{822}[2]. [*Xglk547c-6B*{822}]. pTag547. (6A,6A.1,6A.2,6A.3,6B,6D). The arm location of *Xglk547-6AB* were not reported in {822}.

Xglk547-6D{154}. 108.92. pTag547{822}. (6A,6A.1,6A.2,6A.3,6B,6D).

Xglk680-6A{822}[1],{9927}[2]. pTag680. (6A,6B).

Xglk680-6B{822}[1],{9927}[2]. pTag680. (6A,6B).

Xglk705-6A{9927}[2],{0081}[1]. pTag705. (6A,6B,6D).

Xglk705-6B{822,0081}[1]. pTag705. (6A,6B,6D).

Xglk724-6A{822,0049}. [*Xglk724e-6A*{822,0049}]. pTag724. (3A,3B,3D)(5A)(6A,6B,6D). The arm location of *Xglk724-6A* was not reported in {822}.

Xglk724-6B{822}. [*Xglk724c-6B*{822}]. pTag724. (3A,3B,3D)(5A)(6A,6B,6D). The arm location of *Xglk724-6B* was not reported in {822}.

Xglk724-6D{822}. [*Xglk724b-6D*{822}]. pTag724. (3A,3B,3D)(5A)(6A,6B,6D). The arm location of *Xglk724-6D* was not reported in {822}.

Xglk756-6A{822,0049}. [*Xglk756b-6A*{822,0049}]. pTag756. (3B)(5A,5D)(6A). The arm locations of *Xglk756-6A* was not reported in {822}.

Xglk762-6A{822,0049}[1],{9927}[2]. pTag762. (6A). The arm location of *Xglk762-6A* was not reported in {822}.

Xglk2003(Bza1-3)-6A{0049}. [*Bza1-A3*{0049}]. IHBP-1a(1). (6A).

Xgpw306-6D 96.29. (6D).
Xgpw312-6D 133.6. (6D).
Xgpw362-6D 144.87. (6D).
Xgpw1014-6B 146.41. (6B).
Xgpw1017-6B 124. (6B).
Xgpw2060b-6A 105.82. (6A).
Xgpw2222-6A 97.87. (6A).
Xgpw2232-6D 131.3. (6D).
Xgpw2344-6A 133.2. (6A).
Xgwm55b-6D 106. (2B)(6D).
Xgwm58-6B{724}. WMS 58F/WMS 58R. (6B).
Xgwm88-6B{9929}. 125. WMS F88/WMS R88. (2B)(6B).
Xgwm108-6B{0171}. [*Xgwm108a-6B*{0171}]. WMS F108/WMS R108. (6B).
Xgwm126-6B{0171}. [*Xgwm126b-6B*{0171}]. WMS F126/WMS R126. (5A)(6B).
Xgwm169-6A{724}. 126.98. WMS 169F/WMS 169R. (6A).
Xgwm193b-6B 130.79. (6B).
Xgwm200-6A{724}. WMS 200F/WMS 200R. (6A).
Xgwm219-6B{9929}. 157. WMS F219/WMS R219. (6B).
Xgwm325-6D{724}. 101.38. WMS 325F/WMS 325R. (1D)(6D).
Xgwm356-6A{0035}[2]. WMS F356/WMS R356. (2A)(6A).
Xgwm427-6A{9929}[1],{0269}[2]. 137. WMS F427/WMS R427. (6A).
Xgwm494-6A{9929,0354}. [*Xgwm494a-6A*{0354}]. WMS 494F/WMS 494R.
    (5D)(6A,6A.1,6A.2).
Xgwm494-6A.2{0146}. [*Xgwm494b-6A*{0146}]. WMS F494/WMS R494.
    (5D)(6A,6A.1,6A.2).
Xgwm494b-6A 96.33. (5D)(6A).
Xgwm570-6A{9929}. 117.64. WMS F570/WMS R570. (6A,6B).
Xgwm570-6B 148.76. (6A,6B).
Xgwm582-6B{0171}. [*Xgwm582a-6B*{0171}]. WMS F582/WMS R582. (1B)(2A)(6B).
Xgwm582a-6D 94.03. (6D).
Xgwm608b-6B 171. (4D)(6B).
Xgwm617-6A{9929}. 140.08. WMS F617/WMS R617. (5A)(6A).
Xgwm626-6B{9929}. 129.3. WMS F626/WMS R626. (6B).
Xgwm644b-6B 127. (6B).
XHV5a-6A 114.92. (6A).
XHV5b-6D 142.51. (6D).
Xksu908(Cbp1)-6B{0091}. [*Cbp1-6B*{0091}]. RRI 10{0095}. (2B)(6B).
Xksu910(Tha1)-6B{0091}. [*Tha1-6B*{0091}]. CR5{0097}. (2D)(4A)(6B)(7A,7B,7D).
XksuD1-6B{860,0081}. pTtksuD1. (6B,6D). The arm location of *XksuD1-6B* was not
    reported in {860} and {448}.
XksuD1-6D{448}[1,4],{0081}[1]. 127.6. pTtksuD1. (6B,6D). The arm location of *XksuD1-6D*
    was not reported in {860} and {448}.
XksuD12-6A{444}. pTtksuD12. (6A,6B,6D).
XksuD12-6B{444}. pTtksuD12. (6A,6B,6D).
XksuD12-6D{444}. pTtksuD12. (6A,6B,6D).
XksuD12a-6D 157.06. (6D).
XksuD12b-6A 133.69. (6A).
XksuD17-6A{444}. pTtksuD17. (6A,6B,6D).
XksuD17-6B{444}. 136.94. pTtksuD17. (6A,6B,6D).
XksuD17-6D{444,900}. pTtksuD17. (6A,6B,6D).
XksuD27-6A{900}. pTtksuD27. (6A,6B,6D).

XksuD27-6B{444}. pTtksuD27. (6A,6B,6D).
XksuD27-6D{900}. pTtksuD27. (6A,6B,6D).
XksuD27a-6D 154.95. (6D).
XksuD27b-6A 141.08. (6A).
XksuE3-6D{154}. [*XksuE3a-6D*{154}]. pTtksuE3{448}. (1A)(2A,2B,2D)(3A,3B)(4A)(6A,6D)(7A,7D,7D.4).
XksuE3a-6D 160.5. (4A)(6D).
XksuE14-6A{444}[1],{187}[2]. [*XksuE14(B)-6D*{448}]. pTtksuE14. (3D)(6A,6B,6D). Two *XksuE14* loci in 6A, 6B, and 6D were reported in {444}.
XksuE14-6B{444}[1]. [*XksuE14(B)-6D*{448}]. pTtksuE14. (3D)(6A,6B,6D). Two *XksuE14* loci in 6A, 6B, and 6D were reported in {444}.
XksuE14-6D{448}][4],{444}[1]. [*XksuE14(B)-6D*{448}]. pTtksuE14. (3D)(6A,6B,6D). Two *XksuE14* loci in 6A, 6B, and 6D were reported in {444}. The arm location of *XksuE14-6D* in *Ae. tauschii* was not reported in {448}.
XksuE14b-6D 125.17. (6D).
XksuE18-6B{187}[2]. pTtksuE18{448}. (1A,1B,1B.3,1D,1D.1,1D.2)(6B)(7A,7B,7B.1).
XksuF19-6B{187}[2]. pTtksuF19{448}. (2A,2B,2D)(6B,6D).
XksuF19-6D{9926}[4]. pTtksuF19{448}. (2A,2B,2D)(6B,6D).
XksuF24-6B{444}. pTtksuF24. (6B,6D)(7D).
XksuF36-6D{448}[4]. [*XksuF36(B)-6D*{448}]. pTtksuF36. (2D)(4A)(6D)(7D).
XksuF37-6A{187}[2],{444}. pTtksuF37{448}. (2B)(6A,6B,6D).
XksuF37-6B{187}[2]. pTtksuF37{448}. (2B)(6A,6B,6D).
XksuG8a-6B 126. (6B).
XksuG12-6B{154}. [*XksuG12a-6B*{154}]. pTtksuG12{448}. (4A)(5D)(6B)(7A,7B,7D).
XksuG12a-6B 151.69. (6B)(7A).
XksuG30-6A{282}[3]. pTtksuG30{448}. (1A)(2D)(3B)(4A)(5A)(6A,6B).
XksuG30-6B{900}[1]. 146.08. pTtksuG30{448}. (1A)(2D)(3B)(4A)(5A)(6A,6B).
XksuG49-6A{154}. [*XksuG49b-6A*{154}]. pTtksuG49{448}. (2D.1,2D.2,2D.3,2D.4)(4A)(6A)(7D.1,7D.2,7D.3).
XksuG49b-6A 136.23. (6A).
XksuG51-6D{448}[4],{444,0081}[1]. pTtksuG51{448}. (6D). The arm location of *XksuG51-6D* was not reported in {448} and {444}.
XksuH14b-6B 134.09. (6B).
XksuM11-6A{444}[1]. pTtksuM11. (6A,6B,6D).
XksuM11-6B{444}[1]. pTtksuM11. (6A,6B,6D).
XksuM11-6D{448}[4],{444}[1]. pTtksuM11. (6A,6B,6D). The arm location of *XksuM11* in *Ae. tauschii* was not reported in {448}.
XksuM75-6B{444}[1]. pTtksuM75. (6B,6D).
XksuM75-6D{448}[4],{444}[1]. pTtksuM75. (6B,6D). The arm location of *XksuM75* in *Ae. tauschii* was not reported in {448}.
XM60P64-6A.2 93.95. (1A.8)(2A.6)(3B.11,3B.13)(4A.1,4A.10)(5A.4)(6A.2).
XM65P64-6B.10 126.46. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7A.2a,7B.2).
XM65P64-6B.1 126.46. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7A.2a,7B.2).
XM85P65-6A.3 93.95. (1B.5)(2A.4)(5A.0,5A.2)(6A.3,6B.6)(7A.1).
Xmgb339-6A{9959}[2]. MGB339. (6A).
Xmta11-6A 96.18. (6A).
Xmtd11(Dhn9.6)-6A{154}. MTD11{629}. (6A).
Xmtd11a-6D 131.3. (6D).
Xmtd11b-6A 113.11. (6A).
Xmtd12-6D 140.97. (6D).
Xmwg19-6A{9927}[2],{0081}[1]. MWG19. (6A,6B,6D).

Xmwg19-6B{0081}[1]. MWG19. (6A,6B,6D).
Xmwg19-6D{0081}[1]. MWG19. (6A,6B,6D).
Xmwg21-6A{9927}[2]. MWG21. (6A,6B).
Xmwg21-6B{0081}. MWG21. (6A,6B).
Xmwg74-6A{9927}[2]. MWG74. (6A,6B).
Xmwg74-6B{900}. 167.16. MWG74. (6A,6B).
Xmwg514-6A{0081}. MWG514. (5A,5B,5D)(6A,6D).
Xmwg514-6D{0081}. MWG514. (5A,5B,5D)(6A,6D).
Xmwg573-6A.1{900}. MWG573. (6A.1,6A.2,6B,6D)(7D.1,7D.2).
Xmwg573b-6A 144. (6A).
Xmwg669-6D 139.13. (6D).
Xmwg798-6A{282}[3], {0081}[1]. 144.01. MWG798{467}. (6A,6B,6D).
Xmwg798-6B{9927}[2], {0081}[1]. MWG798. (6A,6B,6D).
Xmwg798-6D{0081}[1]. MWG798{467}. (6A,6B,6D).
Xmwg813-6A{282}[3]. MWG813{467}. (3A)(4A)(6A).
Xmwg820-6B{9927}[2]. MWG820. (2D)(5A)(6A,6B).
Xmwg838-6A{282}[3]. MWG838{467}. (5A)(6A).
Xmwg872-6A{0081}. MWG872. (6A,6B,6D).
Xmwg872-6B{0081}. MWG872. (6A,6B,6D).
Xmwg872-6D{0081}. MWG872. (6A,6B,6D).
Xmwg887-6A.2{9927}2. MWG887. (6A.1,6A.2,6D).
Xmwg897-6B{9927}[2]. MWG897. (6B,6D).
Xmwg897-6D{9926}[4]. MWG897. (6B,6D).
Xmwg911-6D{0081}. MWG911. (6D).
Xmwg934-6A{900}. MWG934. (6A,6B).
Xmwg934-6B{900}. MWG934. (6A,6B).
Xmwg934a-6B 139.15. (6B).
Xmwg934b-6A 115.65. (6A).
Xmwg987-6A{9927}[2]. MWG897. (6A).
Xmwg2029-6A{9927}[2],{0081}[1]. MWG2029. (6A,6B,6D).
Xmwg2029-6B{9927}[2],{0081}[1]. MWG2029. (6A,6B,6D).
Xmwg2029-6D{0081}[1]. MWG2029. (6A,6B,6D).
Xmwg2053-6A{900}. 143. MWG2053. (6A,6B,6D).
Xmwg2053-6B{900}. MWG2053. (6A,6B,6D).
Xmwg2053-6D{900}. MWG2053. (6A,6B,6D).
Xmwg2053a-6B 170.66. (6B).
Xmwg2053c-6D 162.18. (6D).
Xmwg2061-6A{9927}[2]. MWG2061. (6A).
Xmwg2100-6B{0081}. MWG2100. (6B).
XMXE3M8o-6D 164.77. (6D).
Xnpi253-6A{253,598}. Npi253. (6A,6B,6D)(7A,7B,7D).
Xnpi253-6B{253,598}. Npi253. (6A,6B,6D)(7A,7B,7D).
Xnpi253-6D{253,598}. Npi253. (6A,6B,6D)(7A,7B,7D).
Xopa7-520-6A 133.59. (6A).
Xopad12-6D 141.38. (6D).
XP78M43-6B.13 139.75.
    (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
XP78M63-6B.3a 165.1. (2A.2)(6B.1,6B.3a)(7A.6,7B.4,7B.7).
Xpsp3029-6A.1{1425}. 95.09. PSP3029F/PSP3029R. (2A)(6A.1,6A.2).
Xpsp3071-6A{151,1425}. 95.09. PSP3071F/PSP3071R. (6A).
Xpsp3112-6B.2 130.51. (3B.1)(4D)(6B.2).

Xpsp3131-6B{151,1425}. PSP3131F/PSP3131R. (6B).
Xpsp31122-6B 130.51. (6B).
Xpsr2(alpha-Amy-1)-6B.1 142.57. (6B.1).
Xpsr2(a-Amy-1)-6A{598}. 501. (6A,6B,6D).
Xpsr2(a-Amy-1)-6B{598}. 501. (6A,6B,6D).
Xpsr2(a-Amy-1)-6D{598}. 501. (6A,6B,6D).
Xpsr88-6A{598}. PSR88. (6A,6B,6D).
Xpsr88-6B{598}. PSR88. (6A,6B,6D).
Xpsr88-6D{598}. PSR88. (6A,6B,6D).
Xpsr134-6A{444}. PSR134. (6A,6B,6D).
Xpsr134-6B{444}. PSR134. (6A,6B,6D).
Xpsr134-6D{444}. PSR134. (6A,6B,6D).
Xpsr141b-6B 132.23. (6B).
Xpsr142(Prk)-6A{598}[b]. [*Xpsr142-6A*{598}]. PSR142. (6A,6B,6D).
Xpsr142(Prk)-6B{598}[b]. [*Xpsr142-6B*{598}]. PSR142. (6A,6B,6D).
Xpsr142(Prk)-6D{598}[b]. [*Xpsr142-6D*{598}]. PSR142. (6A,6B,6D).
Xpsr149-6A{598}. PSR149. (1D)(6A,6B,6D).
Xpsr149-6B{598}. PSR149. (1D)(6A,6B,6D).
Xpsr149-6D{598}. PSR149. (1D)(6A,6B,6D).
Xpsr154-6A{1329,598}. PSR154. (6A,6B,6D).
Xpsr154-6B{1329,598}. PSR154. (6A,6B,6D).
Xpsr154-6D{1329,598}. PSR154. (6A,6B,6D).
Xpsr167b-6B 124. (6A,6B).
Xpsr301-6B.2{0081}. PSR301. (6A,6B.1,6B.2,6D).
Xpsr371-6A{598}. PSR371. (6A,6B,6D).
Xpsr371-6B{598}. PSR371. (6A,6B,6D).
Xpsr371-6D{598}. 87.15. PSR371. (6A,6B,6D).
Xpsr463-6A 90.83. (6A).
Xpsr463(Prk)-6A{178,0081}. [*XPrk-6A*]. R6{1189}. (6A,6B,6D).
Xpsr463(Prk)-6B{178,0081}. [*XPrk-6B*]. R6{1189}. (6A,6B,6D).
Xpsr463(Prk)-6D{178,0081}. [*XPrk-6D*]. R6{1189}. (6A,6B,6D).
Xpsr546-6A.2{0242}. [*Xpsr546a-6A*{0242}]. PSR546. (6A.1,6A.2,6B,6D).
Xpsr546-6B{598}. PSR546. (6A.1,6A.2,6B,6D).
Xpsr546-6D{598}. PSR546. (6A.1,6A.2,6B,6D).
Xpsr546a-6A 142.13. (6A).
Xpsr546b-6B 157.44. (6B).
Xpsr605-6A{598}. PSR605. (6A,6B,6D).
Xpsr605-6B{598}. PSR605. (6A,6B,6D).
Xpsr605-6D{598}. PSR605. (6A,6B,6D).
Xpsr815(a-Amy-1)-6A{784}. [*a-Amy1*{784}, *Xa-Amy-6A*{961}]. (6A,6B,6D){784}.
Xpsr815(a-Amy-1)-6B{784}. [*a-Amy1*{784}, *Xa-Amy-6B*{961}]. (6A,6B,6D){784}.
Xpsr815(a-Amy-1)-6D{784}. [*a-Amy1*{784}, *Xa-Amy-6D*{961}]. (6A,6B,6D){784}.
Xpsr904-6D{0081}. PSR904. (3A,3D)(6A,6D).
Xpsr908-6B{256,598}. 123. PSR908. (1B)(2A,2D)(6B,6D).
Xpsr908-6D{0081}. PSR908. (1B)(2A,2D)(6B,6D).
Xpsr915-6A{598}. 103.46. PSR915. (6A,6B,6D).
Xpsr915-6B{598}. 130.99. PSR915. (6A,6B,6D).
Xpsr915-6D{598}. PSR915. (6A,6B,6D).
Xpsr966-6A{598}. PSR966. (6A,6B,6D).
Xpsr966-6B{598}. PSR966. (6A,6B,6D).
Xpsr966-6D{598}. PSR966. (6A,6B,6D).

Xpsr967-6B{0081}. PSR967. (1A,1A.1,1B,1B.2)(4B)(5A,5A.3)(6A,6A.4,6B).

XR61-6A 102.85. (6A).

Xrg1085-5A{9933}[1,3]. RG1085. (5A).

Xrgc74-6A{598}. RGC74. (6A,6B,6D).

Xrgc74-6B{598}. RGC74. (6A,6B,6D).

Xrgc74-6D{598}. RGC74. (6A,6B,6D).

Xrsq805(Embp)-6A{248,598},{187}[2]. [*XEmbp-6A*]. pGC19{471}.
  (2B)(3B)(5A,5B,5D)(6A,6B)(7D).

Xrsq805.1(Embp)-6A 93.95. (6A).

XscuM01-6D 191.38. (6D).

Xsfr1-6B{1272}. J13/1/J13/2. (6B).

Xsun5-6D{0242}. [*XsunM5b-6D*{0242}]. SUN 5F/SUN 5R. (6D).

Xtam9-6A{245},{187}[2]. TAM9{245}. (6A,6B,6D).

Xtam9-6B{245}. TAM9{245}. (6A,6B,6D).

Xtam9-6D{245}. TAM9{245}. (6A,6B,6D).

Xtam10-6A.2{0081}. TAM10. (6A,6A.1,6A.2,6B).

Xtam17-6A{187}[2],{245}. TAM17{245}. (6A,6B,6D).

Xtam17-6B{245}. TAM17{245}. (6A,6B,6D).

Xtam17-6D{245}. TAM17{245}. (6A,6B,6D).

Xtam21-6A{245}. [*Xtam30-6A*{444,1571}]. TAM21{245}. (6A,6B,6D).

Xtam21-6B{245},{187}[2]. [*Xtam30-6B*{444,1571}]. TAM21{245}. (6A,6B,6D).

Xtam21-6D{245}. [*Xtam30-6D*{444,1571}]. TAM21{245}. (6A,6B,6D).

Xtam25-6A{245},{187}[2]. TAM25{245}. (6A,6B,6D).

Xtam25-6B{245},{187}[2]. TAM25{245}. (6A,6B,6D).

Xtam25-6D{245}. TAM25{245}. (6A,6B,6D).

Xtam26-6A{245},{187}[2]. TAM26{245}. (6A,6B,6D).

Xtam26-6B{245},{187}[2]. TAM26{245}. (6A,6B,6D).

Xtam26-6D{245}. TAM26{245}. (6A,6B,6D).

Xtam27-6A{245},{187}[2]. TAM27{245}. (6A,6B,6D).

Xtam27-6B{245}. TAM27{245}. (6A,6B,6D).

Xtam27-6D{245}. TAM27{245}. (6A,6B,6D).

Xtam28-6A{187}[2]. TAM28{245}. (6A,6B,6D).

Xtam28-6B{245},{187}[2]. TAM28{245}. (6A,6B,6D).

Xtam28-6D{245}. TAM28{245}. (6A,6B,6D).

Xtam28a-6D 111.58. (6D).

Xtam28b-6D 142.05. (6D).

Xtam36-6A{245},{187}[2]. 103. TAM36{245}. (6A,6B,6D).

Xtam36-6B{245},{187}[2]. TAM36{245}. (6A,6B,6D).

Xtam36-6D{245}. TAM36{245}. (6A,6B,6D).

Xtam57-6D{245}. TAM57. (6A,6B,6D).

Xtam68-6A{187}[2]. TAM68{245}. (5A)(6A,6B,6D).

Xtam68-6B{187}[2]. TAM68{245}. (5A)(6A,6B,6D).

Xtam74-6A{245},{187}[2]. TAM74{245}. (6A,6B,6D).

Xtam74-6B{245},{187}[2]. TAM74{245}. (6A,6B,6D).

Xtam74-6D{245}. TAM74{245}. (6A,6B,6D).

Xtav1929(Cyp)-6A.2{598}. TAV1929{126}. (6A.1,6A.2,6B.1,6D.1).

Xttu1937(Wsip16)-6A{281}[3]. [*XDhn3-6A*{281}]. pTaWSP16{662}. (5A.1,5A.2,5D)(6A).

XuaWM1-6B.1 126. (6B.1).

Xucd106(Esi18)-6A{278}[1],{213}[2],{900}[3]. [*Esi18*{278,187}]. pESI18{472}. (6A,6B,6D).

Xucd106(Esi18)-6B{278}[1],{1094}[2]. [*Esi18*{278,187}]. pESI18{472}. (6A,6B,6D).

Xucd106(Esi18)-6D{278}[1]. [*Esi18*{278,187}]. pESI18{472}. (6A,6B,6D).

Xucd109(Esi35)-6A{278}. [*XEsi35-6A*{278}]. pESI35{472}. (6A,6B,6D).
Xucd109(Esi35)-6B{278}. [*XEsi35-6B*{278}]. pESI35{472}. (6A,6B,6D).
Xucd109(Esi35)-6D{278}. [*XEsi35-6D*{278}]. pESI35{472}. (6A,6B,6D).
Xutv1136-6A{0269}[2]. UTV1136. (4A.1,4A.2)(6A).
Xutv1441-6B{9959}[2]. UTV1441. (1A)(2A)(3B)(4B)(5A)(6B).
Xutv1469-6A{9959}[2]. UTV1469. (6A,6B).
Xutv1469-6B{9959}[2]. UTV1469. (6A,6B).
XWB003df-6A 91.66. (6A).
XWB171f-6A 93.95. (6A).
XWB178m-6B 143.53. (6B).
XWcs1-6A{801}. pWcs120. (6A,6B,6D*).
XWcs1-6B{801}. pWcs120. (6A,6B,6D*).
XWcs1-6D*{801}. pWcs120. (6A,6B,6D*).
XWD124-6B 163.17. (6B).
Xwg223-6A{444}. WG223. (6A,6B,6D,6D.1,6D.2).
Xwg223-6B{444}. WG223. (6A,6B,6D,6D.1,6D.2).
Xwg223-6D{444}. WG223. (6A,6B,6D,6D.1,6D.2).
Xwg232b-6B 127. (6B).
Xwg286-6A{444}. WG286. (6A,6B,6D).
Xwg286-6B{444}. 129.3. WG286. (6A,6B,6D).
Xwg286-6D{444}. WG286. (6A,6B,6D).
Xwg341-6B 141. (5A,5D)(6B,6B.1,6B.2,6B.3)(7A,7B,7D).
Xwg341-6B.1{444}. [*Xwg341a*{444}]. WG341. (5A,5D)(6B,6B.1,6B.2,6B.3)(7A,7B,7D).
Xwg341-6B.2{444}. [*Xwg341b*{444}]. WG341. (5A,5D)(6B,6B.1,6B.2,6B.3)(7A,7B,7D).
Xwg341-6B.3{0081}. WG341. (5A,5D)(6B,6B.1,6B.2,6B.3)(7A,7B,7D).
Xwg405-6D{0081}. WG405. (2D)(6D).
Xwg622-6A{0242}. WG622. (4A,4B,4D)(6A).
Xwg933-6A{245,444}. WG933. (6A,6D).
Xwg933-6D{444}. 91.62. WG933. (6A,6D).
Xwmc1-6A 103.79. (6A).
Xwmc163-6A{0242}. 102.1. WMC 163F/WMC 163R. (6A).
Xwmc179j-6A 114.42. (6A).
Xwmc182-6B{0348}. WMC 182F/WMC 182R. (6B).
Xwmc182b-6B 136.94. (6B).
Xwmc201-6A 109.11. (6A).
Xwmc243b-6A 102.1. (6A).
Xwmc256-6A{0153}. 103.79. WMC 256F/WMC 256R. (6A,6D).
Xwmc417a-6A 125.28. (6A).
Xwmc417b-6B 162.03. (6B).

27. Group 6

M65/P64-6B.10 119. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7B.2).
M65/P64-6B.1 118. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7B.2).
P32/M51-6-6B 123. (6B).
P34/M51-229-6B 121. (6B).
P36/M50-2-6B 123. (6B).
P78/M39-6B.5 122. (6B.5).
P78/M71-6B.3 122. (1A.5)(2A.7,2B.1)(6B.3)(7B.2).
S23M26_6-6B 119. (6B).
Xa-Amy-6D.1{448}. [*(a-Amy-1(C)-6D*{448}]. pHv10{1051}. (6D.1,6D.2).
Xa-Amy-6D.2{448}. [*(a-Amy-1(C)-6D)*{448}]. pHv10{1051}. (6D.1,6D.2).

Xabc451-6D{9926}[4]. ABC451. (2A,2B)(6D).

Xabcp158-6D{339}. ABC158F/ABC158R. (1D)(3D)(6D).

Xabcp309-6A{339}. ABC309F/ABC309R. (3D)(6A).

Xabg377-6D{9926}[4]. ABG377. (3A)(6D).

Xabg379-6D{9926}[4]. ABG379. (6D).

Xabg476-6D{9926}[4]. ABG476. (6D).

Xabg484-6D{9926}[4]. ABG484. (4A,4B)(6D).

XAhas-6B 120. (6B).

Xa-Amy-6D.3{448}. [*(a-Amy-1(C)-6D)*{448}]. pHv10{1051}. (6D.3).

Xbarc107-6A 89.53. (6A).

Xbarc113-6A 88.11. (6A).

Xbcd9-6D{9926}[4]. BCD9. (5A,5A.1,5A.2,5B,5D)(6D).

Xbcd221-6B{860}. BCD221. (2B)(4B)(5B)(6B).

Xbcd269-6D{9926}[4]. BCD269. (6D).

Xbcd340-6B{860}. BCD340. (1B)(6B).

Xbcd1299b-6B 119. (6B).

Xbcd1319-6B{860}. BCD1319. (6B,6D).

Xbcd1426-6B{865,9921}. 120. BCD1426. (6B). The arm location of *Xbcd1426-6B* was not reported in {865}.

Xbcd1495-6B{865}. 119. BCD1495. (1B)(6B).

Xbcd1716-6D{900}. BCD1716. (6B,6D,6D.2).

Xbcd1860-6B{860}. BCD1860. (6A,6B).

Xbcd2014-6B{860}. BCD2014. (6B).

Xbcd2014b-6B 121. (6B).

Xbg544-6D{9926}[4]. BG544. (6D).

Xbg547-6D{9926}[4]. BG547. (6D).

Xcdo29-6B{865}. CDO29. (6A,6B).

Xcdo388-6D.1{9926}[4]. CDO388. (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2).

Xcdo388-6D.2{9926}[4]. CDO388. (1B,1B.2,1D)(2B,2B.1,2D)(3D.1,3D.2)(4A,4D.1,4D.2)(5A,5D)(6A,6D,6D.1,6D.2).

Xcdo497-6A{9927}[2]. CDO497. (6A,6B).

Xcdo1380-6B{860,9921,0351},{9927}[2]. CDO1380. (6A,6B). A *Xcdo1380-6B* was mapped in 6BS{9927} and in 6BL{9921}.

Xcfd13-6B{0349}. CFD 13F/CFD 13R. (6B).

Xcfd13b-6B 120. (6B).

Xcfd19-6D{0349}. CFD 19F/CFD 19R. (5B)(6D).

Xcfd42-6D{0349}. CFD 42F/CFD 42R. (6D).

Xcfd75-6D{0349}. CFD 75F/CFD 75R. (6D).

Xcfd82-6A{0349}. 88.65. CFD 82F/CFD 82R. (6A).

Xcfd190-6A 83.88. (6A).

Xcmwg664-6A{9927}[2]. cMWG664. (6A,6B,6D).

Xcsb112(Dhn5)-6D{448}. [*Xhv5-6D*{448}, *XDhn-6D*{961}, *Xcsp112(Dhn5)-69*{9926}[4]]. pTZ18R-DHN5{210}. (6A,6B,6D).

Xcsih90-6D{757}[4]. [*XcsIH90*{757}]. csIH90{757}. (6D).

Xcsih114-6D{757}[4]. [*XcsIH114-1c*{757}]. csIH114-1{757}. (6D).

XCxp3a-6B 120. (6B).

XDuPw167-6A{0366}. DUPW 167F/DUPW 167R. (6A).

XDuPw216-6B{0366}. DUPW 216F/DUPW 216R. (6B).

XDuPw217-6B{0366}. DUPW 217F/DUPW 217. (6B).

Xfbb95-6A{900,154,0081}. FBB095. (6A,6B,6D). The arm location of *Xfbb95-6A* was not reported in {900}.

Xfbb156-6B{154}. [*Xfbb156b-6B*{154}]. FBB156. (3B)(5D)(6B)(7A).

Xgbx3321-6A{9958}. [*Xgbx3321a-6A*{9958}]. gbx3321. (1A,1B)(6A,6B).

Xgbx3321-6B{9958}. [*Xgbx3321b-6B*{9958}]. gbx3321. (1A,1B)(6A,6B).

Xgbx3321a-6A 85.24. (6A).

Xgbx3321b-6B 121. (6B).

XgbxG549-6A{9958}. 85.6. gbxG549. (6A).

XgbxG728-6A{9958}. 86.01. gbxG728. (6A).

XgbxR004-6A 87.94. (6A).

XgbxR4-6A{9958}. [*XgbxR004-6A*{9958}]. gbxR004. (6A,6B).

XgbxR4-6B{0354}. [*XgbxR004-6B*{0354}]. gbxR004. (6A,6B).

Xgdm153-6B{0173}. DMS F153/DMS R153. (5D)(6B).

Xglk94-6A{822}. [*Xglk94b*{822}]. pTag94. (1D)(2D)(3D)(6A).

Xglk229-6B{822}. pTag229. (6B).

Xglk317-6A{822}. [*Xglk317c*{822}]. pTag317. (1B)(3D)(4D)(5A,5A.1,5A.2)(6A).

Xglk546-6B{822}. [*Xglk546b*{822}]. pTag546. (2B.1,2B.2)(3B)(5A.1,5A.2)(6B)(7A,7B).

Xglk558-6D{9926}[4]. pTag558. (1B,1D)(2B,2D)(3D)(5D)(6D)(7D).

Xglk573-6D.1{9926}[4]. pTag573. (6D.1,6D.2)(7D).

Xglk573-6D.2{9926}[4]. pTag573. (6D.1,6D.2)(7D).

Xglk651-6D{9926}[4]. pTag651. (5B,5D)(6D)(7A).

Xglk705-6D{9926}[4]. pTag705. (6A,6B,6D).

Xglk736-6B{822}[1]. pTag736. (6B,6D).

Xglk736-6D{9926}[4]. pTag736. (6B,6D).

Xglk744-6B{822}. pTag744. (2A,2B,2D)(6B).

Xgpw1019-6D 87.15. (6D).

Xgwm55-6D WMS F55/WMS R55. (6D).

Xgwm133b-6B 121. (6B).

Xgwm325B-6B 122. (6B).

Xgwm494-6A.1{9929}. [*Xgwm494-6A*{9929}]. WMS F494/WMS R494. (5D)(6A,6A.1,6A.2).

XHak1-6B{9932}. [*XhvHAK1-6B*{9932}]. HvHAK1{9932}. (2A,2D)(3A,3D)(4A,4B,4D)(6A,6B,6D).

Xisu97-6B 122. (6B).

Xksu1-32-4-6D{448}[4]. [*Xksu1-32-4(B)-6D*{448}]. pTtksu1-32-4. (3D)(6D)(7D).

XksuB6-6D{448}. pTtksuB6. (6D).

XksuD11-6D{448}. pTtksuD11. (6D).

XksuD42-6D{9926}[4]. pTtksuD42. (5A,5B,5D)(6D).

XksuE19-6D{448}[4]. pTtksuF19. (1A,1B,1D)(6D)(7B).

XksuF24-6D{448}. pTtksuF24. (6B,6D)(7D).

XksuF37-6D{448}[4]. pTtksuF37. (2B)(6A,6B,6D).

XksuF48-6D{9926}[4]. pTtksuF48. (6D)(7D).

XksuG43-6D{9926}[4]. pTtksuG43. (6D).

XksuH11-6D{448}[4]. pTtksuH11. (4B,4D)(5A)(6A,6D).

XksuM5-6D{448}[4]. pTtksuM5. (6D).

XksuM151-6D{448}[4]. pTtksuM151. (6D).

XksupE8-6B{339}. KSUE8F/KSUE8R. (2B)(4D)(6B)(7D).

XksupF15-6A{339}. KSUF15F/KSUF15R. (2A,2B)(3A)(6A,6B,6D).

XksupF15-6B{339}. KSUF15F/KSUF15R. (2A,2B)(3A)(6A,6B,6D).

XksupF15-6D{339}. KSUF15F/KSUF15R. (2A,2B)(3A)(6A,6B,6D).

XksupM148-6B{339}. KSUM148F/KSUM148R. (1B)(2A)(4B,4D)(6B).

Xkuj77-6A{1034}. pTac77{627}. (6A,6B,6D).
Xkuj77-6B{1034}. pTac77{627}. (6A,6B,6D).
Xkuj77-6D{1034}. pTac77{627}. (6A,6B,6D).
Xmwg573-6B{0242},{9922}[2]. MWG573. (6A.1,6A.2,6B,6D)(7D.1,7D.2).
Xmwg946-6D{9926}[4]. PSR946. (6D).
XP78M39-6B.5 119.68. (6B.5).
XP78M71-6B.3 118.62. (1A.5)(2A.7,2B.1)(6B.3)(7A.8,7B.2,7B.6).
XP78M87-6B.5a 121.7. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
Xpsp3070-6A{151}. PSP3070F/PSP3070R. (6A)(7D).
Xpsp3139-6B{151}. PSP3139F/PSP3139R. (1D)(6B).
Xpsr2020(ABA3)-6A{473}. ABA3. (6A,6B,6D).
Xpsr2020(ABA3)-6B{473}. ABA3. (6A,6B,6D).
Xpsr2020(ABA3)-6D{473}. ABA3. (6A,6B,6D).
Xrgc597-6A{739}. RGC597. (6A,6B,6D).
Xrgc597-6B{739}. RGC597. (6A,6B,6D).
Xrgc597-6D{739}. RGC597. (6A,6B,6D).
Xrgy341-6B{739}. RGY34L. (6B).
Xscu1-6D{0368}. HWM001.F10 F/R. (6D).
Xscu4-6D{0368}. HWM004.B10 F/R. (1A,1D)(6D).
Xtam10-6A{187}[2]. TAM10{245}. (6A,6A.1,6A.2,6B).
Xtam68-6D{245}. TAM68{245}. (5A)(6A,6B,6D).
Xumc114-6A{253}. UMC114. (6A,6B,6D)(7A,7B,7D).
Xumc114-6B{253}. UMC114. (6A,6B,6D)(7A,7B,7D).
Xumc114-6D{253}. UMC114. (6A,6B,6D)(7A,7B,7D).
Xwg223-6D.1{9926}[4]. WG223. (6A,6B,6D,6D.1,6D.2).
Xwg223-6D.2{9926}[4]. WG223. (6A,6B,6D,6D.1,6D.2).
Xwg232-6B{0242}. [*Xwg232b-6B*{0242}]. WG232.
  (1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).
Xwgp232-6B{339}. WG232F/WG232R. (4A,4D)(6B)(7A).
Xwia483(Cxp1)-7D{9926}[4]. [*Xcxp1*{9926}]. pc.3. (3A,3B,3D)(7D).
Xwmc76-6B{0153}. WMC 76F/WMC 76R. (6B)(7B).
Xwmc256-6D{0153}. WMC 256F/WMC 256R. (6A,6D).

28. Group 7S

M62/P64-7D.6 119.28. (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7B.11,7B.2,7B.9,7D.6).
M67/P77-7B.2 41. (1B.5)(3B.3)(4A.6)(7B.2).
P31/M52-1-7B 3.68. (7B).
P31/M56-2-7A 11.56. (7A).
P32/M51-5-7A 1.24. (7A,7A.5).
P32/M62-5-7B 24.52. (7B).
P33/M49-4-7A 3.01. (7A).
P34/M48-1-7B 40. (7B).
P34/M50-4-7A 19.83. (7A).
P35/M52-4-7B 16.08. (7B).
P35/M54-8-7A 22.86. (7A).
P35/M61-3-7A 2.47. (7A).
P36/M49-7-7A 3.01. (7A).
P37/M58-2-7A 2.65. (7A).
P40/M49-2-7A 6.54. (7A).
P41/M47-7-7A 11.91. (7A).
P41/M51-212-7A 9.92. (7A).

P41/M51-321-7A 2.47. (7A).
P41/M58-169-7B 21.07. (7B).
P78/M43-7D.5 119.28.
  (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
P78/M71-7B.2 42. (1A.5)(2A.7,2B.1)(6B.3)(7B.2).
P78/M87-7B.4 38.68. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
S18M18_11-7B 31.12. (7B).
S18M20_4-7B 32.1. (7B).
Sun1A1-7A 15.01. (7A).
Xabc152-7A{282}[3]. ABC152{664}. (1A.1,1A.2)(7A).
Xabc158-7A{1059}. ABC158. (3D)(7A,7B).
Xabc158-7B{0242}. ABC158. (3D)(7A,7B).
Xabc455-7A{282}[3]. ABC455{664}. (7A,7B).
Xabc455-7B{1059}. 45. ABC455. (7A,7B).
Xabc465-7A{282}[3]. ABC465{664}. (4A)(7A,7B,7D).
Xabc465-7B{0242}[1]. [*Xabc465a-7B*{0242}]. ABC465{664}. (4A)(7A,7B,7D).
Xabc465-7D{9926}[4]. ABC465{664}. (4A)(7A,7B,7D).
Xabc465a-7B 44. (7B).
Xabg75b-7A 3.85. (7A).
Xabg704a-7A -0.04. (7A).
XAWM399-7B 42. (7B).
XAWM414-7D 120.55. (7D).
Xbarc65-7B 34.42. (7B).
Xbarc72-7B 42. (7B).
Xbarc85-7B 38.7. (7B).
Xbarc092-7D 59.72. (7D).
Xbarc125-7D 95.37. (7D).
Xbarc126-7D 95.37. (7D).
Xbarc154-7D 73.99. (7D).
Xbarc214-7D 110.62. (7D).
Xbarc255-7B 43. (7B).
Xbarc267-7B 43. (7B).
Xbarc352-7D 80.38. (7D).
Xbcd98-7B{553}. 43. BCD98. (1B,1D)(7B,7D).
Xbcd98-7D{553}. BCD98. (1B,1D)(7B,7D).
Xbcd129-7D{1059,1057}. [*Xbcd129-4A*{1059}]. 17.08. BCD129. (4A)(7A,7D).
Xbcd130-7B{0354}. BCD130. (4A)(7A,7B,7D).
Xbcd135a-7A 11.17. (7A).
Xbcd310-7B{1059}. 38.98. BCD310{545}. (1A,1B)(7B).
Xbcd349-7A{553}. BCD349. (7A,7B,7D).
Xbcd349-7B{553}. 44. BCD349. (7A,7B,7D).
Xbcd349-7D{553}. BCD349. (7A,7B,7D).
Xbcd385-7A{553}. BCD385. (7A,7B,7D).
Xbcd385-7B{553}. 41. BCD385. (7A,7B,7D).
Xbcd385-7D{553}. BCD385. (7A,7B,7D).
Xbcd588-7D{1059}{1057}. [*Xbcd588-4A*{1059}]. 31.88. BCD588. (4A)(7D).
Xbcd707-7D{1059}. 122.74. BCD707. (7B,7D).
Xbcd873a-7A 5.46. (5A,5B)(7A).
Xbcd907b-7A 7.72. (3D)(7A,7B).
Xbcd907b-7B 18.03. (3D)(7A,7B).
Xbcd1338-7A{553}. BCD1338. (7A,7B,7D).

Xbcd1338-7B{553}. 42. BCD1338. (7A,7B,7D).
Xbcd1338-7D{553}. BCD1338. (7A,7B,7D).
Xbcd1438-7A{154}. 31.53. BCD1438. (7A,7D).
Xbcd1438-7D{1059}. 72.01. BCD1438. (7A,7D).
Xbcd1872-7D{1059}. 47.4. BCD1872. (7D).
Xbcd1975-7D{1059,1057}. [*Xbcd1975-4A*{1059}]. 7.11. BCD1975. (4A)(7D).
Xcdo17-7B 47. (7A,7B).
Xcdo57-7A{553}. CDO57. (1A)(2A,2A.3)(5A,5B,5D)(7A,7B,7D).
Xcdo57-7B{553}. CDO57. (1A)(2A,2A.3)(5A,5B,5D)(7A,7B,7D).
Xcdo57-7D{553}. CDO57. (1A)(2A,2A.3)(5A,5B,5D)(7A,7B,7D).
Xcdo91-7D{553}. CDO91. (7D).
Xcdo475a-7A 14. (7A).
Xcdo475b-7B 23.03. (7A,7B).
Xcdo534-7A{553}. CDO534. (1B.1,1B.2)(3A)(6A,6B,6D)(7A).
Xcdo545b-7A 6.89. (7A,7B).
Xcdo545b-7B 17.7. (7A,7B).
Xcdo595-7B 46. (7A,7B).
Xcdo676-7A{553}. CDO676. (7A,7B,7D).
Xcdo676-7B{553}. CDO676. (7A,7B,7D).
Xcdo676-7D{553}. CDO676. (7A,7B,7D).
Xcdo1189-7B{860}. CDO1189. (1B)(5A,5B,5D)(7B).
Xcdo1395-7A{553}. 30. CDO1395. (4B,4D)(7A,7B).
Xcdo1395-7B 30. (4B,4D)(7A,7B).
Xcdo1400-7D{553}. 22.5. CDO1400. (4A)(7A,7D).
Xcfa2028-7B 32.96. (7A,7B).
Xcfa2174c-7D 116.04. (7D).
Xcfd21a-7D 81.6. (7D).
Xcfd31-7D{0349}. 45.24. CFD 31F/CFD 31R. (7D).
Xcfd41-7D{0349}. 34.25. CFD 41F/CFD 41R. (7D).
Xcfd46-7D{0349}. 102.81. CFD 46F/CFD 46R. (7D).
Xcfd62b-7A 13.98. (7A).
Xcfd66-7D{0349}. 40.51. CFD 66F/CFD 66R. (7D).
Xcfd68-7D{0349}. 121.6. CFD 68F/CFD 68R. (7D).
Xcn16a-7D 46.49. (7D).
Xcn16b-7D 76.94. (2B)(7D).
Xcn18-7B.1 40.12. (7B.1).
Xcnl6a-7D 46.49. (2B)(7D).
Xcnl6b-7D 76.94. (2B)(5A)(7D).
Xcnl7-7B.3 47. (1D.1)(4B.2)(7B.3).
Xcnl8-7B.1 40.12. (3B)(7B.1).
XEF1R-7A 22.84. (7A).
Xfba8y-7D 50.2. (7D).
Xfba17-7B 19.67. (7B).
Xfba17-7A{1059}. 1. FBA017. (7A).
Xfba32-7B{1059}. 41. FBA032. (7B).
Xfba42-7A{1059}. FBA042. (6B)(7A,7B).
Xfba42-7B{1059}. FBA042. (6B)(7A,7B).
Xfba42a-7A 23. (7A,7B).
Xfba42a-7B 28. (7A,7B).
Xfba65s-7A 1. (7A,7B).
Xfba65s-7B 18.33. (7A,7B).

Xfba72-7A{1059}. 2. FBA072. (7A,7B).
Xfba72-7B 15.67. (7A,7B).
Xfba93-7A{1059}. 2. FBA093. (7A,7B).
Xfba93-7B 19.52. (7A,7B).
Xfba109-7A{1059}. 14. FBA109. (4A)(7A,7B).
Xfba109-7B 26.56. (4A)(7A,7B).
Xfba127a-7A 26.33. (6B)(7A,7B).
Xfba127a-7B 25.48. (6B)(7A,7B).
Xfba231-7A{154}. 18.63. FBA231. (4A)(7A,7D).
Xfba234b-7B 45. (7A,7B).
Xfba243-7D{1059}{1057}. 0. FBA243. (4A)(7A,7D).
Xfba243a-7A 4.28. (7A).
Xfba248-7B 33.8. (4B)(7A,7B).
Xfba248a-7A 38. (7A).
Xfba253-7D{1059}{1057}. [*Xfba253-4A*{1059}]. 45.24. FBA253. (4A)(7D).
Xfba311a-7A 2. (2D)(7A,7B).
Xfba311a-7B 15.23. (2D)(7A,7B).
Xfba321-7A{1059}. 1. FBA321. (7A,7B).
Xfba321-7B 19.8. (7A,7B).
Xfba322-7A 1. (7A,7B).
Xfba322-7B 19.8. (7A,7B).
Xfba340-7B 42. (5D)(6B)(7A,7B).
Xfba346-7A{1059}[**]. 24. FBA346. (7A,7B).
Xfba346-7B 27.56. (7A,7B).
Xfba363-7A{1059}. FBA363. (4B)(7A).
Xfba363b-7B 41. (7A,7B).
Xfba371-7B{1059}. 43. FBA371. (7B).
Xfba377-7D{1059}. 102.26. FBA377. (7D).
Xfbb9b-7A 2. (2D)(7A,7B).
Xfbb9b-7B 19.38. (2D)(7A,7B).
Xfbb53-7B{154}. FBB053. (7B).
Xfbb67a-7A 11. (4B)(7A,7B).
Xfbb67a-7B 23.99. (4B)(7A,7B).
Xfbb121b-7A 6.89. (7A,7B).
Xfbb121b-7B 17.7. (7A,7B).
Xfbb150-7B{1059}. 40. FBB150. (7B).
Xfbb156c-7A 2. (7A,7B).
Xfbb156c-7B 20.28. (7A,7B).
Xfbb186-7B 23.99. (7A,7B).
Xfbb186a-7A 31.43. (7A).
Xfbb195-7B{1059}. 41. FBB195. (7B).
Xfbb226-7B{1059}. FBB226. (2A,2B)(4D)(7B,7B.1).
Xfbb226-7B.1 37.27. (2A,2B)(4D)(7B,7B.1).
Xfbb264-7B 45. (7A,7B).
Xfbb278d-7A 1. (7A,7B).
Xfbb278d-7B 20.08. (7A,7B).
Xfbb324-7B{154}. [*Xfbb324b-7b*{154}]. FBB324. (2B)(3D)(7B).
Xfbb343-7A{1059}. FBB343. (7A).
Xfbb366b-7D 94.05. (7D).
Xgbx3110-7A{0354}. [*Xgbx3110b-7A*{0354}]. gbx3110. (2A)(7A,7B).
Xgbx3110-7B{9958}. gbx3110. (2A)(7A,7B).

Xgbx3336-7B{9958}. gbx3336. (7B).
Xgbx4899-7B 47. (7A,7B).
XgbxG277-7B{9958}. gbxG277. (7B).
XgbxG367-7A{9958}. [*XgbxG367b-7A*{9958}]. gbxG367. (4B,4D)(6A,6B)(7A).
XgbxG367b-7A 1. (7A,7B).
XgbxG367b-7B 16.39. (7A,7B).
XgbxG564-7D{9958}. [*XgbxG564a-7D*{9958}]. 52.43. gbxG564. (7D).
XgbxG564a-7A 13. (7A).
XgbxG597-7B{9958}. gbxG597. (1A)(7B).
XgbxGx46-7B{9958}. gbxGx46. (7B).
XgbxR799a-7D 2.77. (7D).
XgbxR799b-7A 1. (7A,7B).
XgbxR799b-7B 18.85. (7A,7B).
Xglk61-7A{553}. [*TAG61-7A*{553}]. pTag61{822}. (7A,7A.2,7B,7D.1,7D.2).
Xglk61-7A.2 16. (7A,7A.2,7B,7D.1,7D.2).
Xglk301-7A{553,822}. [*TAG301-7A*{553}]. pTag301{822}. (1B)(2D)(3D)(5D)(7A,7B).
    The arm location of *Xglk-301-7A* was not reported in {822}.
Xglk301-7B{0031}. [*TAG301-7A*{553}]. 24.19. pTag301{822}.
    (1B)(2D)(3D)(5D)(7A,7B).
Xglk536-7A{553}. [*TAG536-7A*{553}]. pTag536{822}. (7A,7B).
Xglk536-7B{553,822}. [*TAG536-7B*{553}]. pTag536{822}. (7A,7B).
Xglk549-7B{553,1034}. [*Xglk549a*{822}, *TAG549-7B*{553}]. 46. pTag549{822}.
    (1A,1B)(7A,7B).
Xglk651-7A{553}. [*TAG651-7A*{553}]. pTag651{822}. (5B,5D)(6D)(7A).
Xglk658-7A{553,822}. [*TAG658-7A*{553}, *Xglk658a*{822}]. pTag658{822}. (7A,7B,7D).
Xglk658-7B{553}. [*TAG658-7A*{553}]. pTag658{822}. (7A,7B,7D).
Xglk658-7D{553}. [*TAG658-7D*{553}]. pTag658{822}. (7A,7B,7D).
Xgpw299-7D 102.26. (7D).
Xgpw328-7D 35.91. (7D).
Xgpw351-7D 40.62. (7D).
Xgpw1108c-7D 0. (7D).
Xgpw1142a-7D 39.85. (7D).
Xgpw1142b-7D 74.27. (7D).
Xgpw2103-7B 38.3. (7A,7B).
Xgpw2107-7A 1. (7A,7B).
Xgpw2107-7B 17.7. (7A,7B).
Xgpw2119-7B 37.22. (7A,7B).
Xgpw2233-7A 1. (7A,7B).
Xgpw2233-7B 14.94. (7A,7B).
Xgpw2242-7A 7.24. (7A).
Xgpw2264-7B 47. (7A,7B).
Xgpw2269-7B 47. (7A,7B).
Xgpw2297-7A 1. (7A,7B).
Xgpw2297-7B 16.86. (7A,7B).
Xgwm16-7B{9929}. 44. WMS F16/WMS R16. (5D)(7B).
Xgwm44-7D{1226}. 103.71. WMS 44F/WMS 44R. (5A)(7D). Whether *Xgwm44-7D*
    belongs to group 7S or group 7AS:4AL:7DS is unknown.
Xgwm46-7B{1226}. WMS 46F/WMS 46R. (7B).
Xgwm46a-7B 0. (7B).
Xgwm46b-7B 41. (7B).
Xgwm60-7B 30.95. (7A,7B).

Xgwm60a-7A   34. (7A).
Xgwm68-7B{724}.   WMS 68F/WMS 68R. (2A)(5B)(7B,7B.2).
Xgwm68-7B.2   32.27. (2A)(5B)(7B,7B.2).
Xgwm111-7D{9929,0211}.   120.39.   WMS F111/WMS R111. (4A)(7B,7D).
Xgwm130-7A{9929}.   26.   WMS F130/WMS R130. (2B)(7A,7B,7D).
Xgwm130-7B   28.23. (2B)(7A,7B,7D).
Xgwm130-7D{724}.   WMS 130F/WMS 130R. (2B)(7A,7B,7D).
Xgwm233-7A{9929}.   3.   WMS F233/WMS R233. (7A,7B).
Xgwm233-7B   16.86. (7A,7B).
Xgwm251-7A{0171}.   [*Xgwm251b-7A*{0171}].   WMS F251/WMS R251. (4B,4D)(7A).
Xgwm255-7B{0250}.   WMS F255/WMS R255. (7B).
Xgwm263-7B{0250}.   WMS F263/WMS R263. (7B).
Xgwm276-7B   39.38. (7A,7B).
Xgwm295-7D{9929}.   65.52.   WMS F295/WMS R295. (7D).
Xgwm296-7D   120.55. (2A,2A.1,2D)(7D).
Xgwm297-7B{724}.   44.   WMS 297F/WMS 297R. (2A)(4A)(7B).
Xgwm333-7B{9929}.   46.   WMS F333/WMS R333. (7B).
Xgwm350-7A{9929}.   WMS F350/WMS R350. (4A.2)(7A,7D).
Xgwm350-7D{9929}.   WMS F350/WMS R350. (4A.2)(7A,7D).
Xgwm350a-7A   1. (7A).
Xgwm350b-7A   24. (7A).
Xgwm350c-7B   16.86. (7B).
Xgwm400-7B{9929}[**].   23.21.   WMS F400/WMS R400. (7B).   Whether *Xgwm400-7B*
    belongs to the 7S arm group or the 7BS:5BL:5DL arm group is uncertain.
Xgwm471-7A{9929}.   1.   WMS F471/WMS R471. (7A,7B).
Xgwm471-7B   20.08. (7A,7B).
Xgwm526-7A   26. (2A,2A.1,2B)(7A,7B).
Xgwm526-7B   28.23. (2A,2A.1,2B)(7A,7B).
Xgwm537-7B{9929,0242}.   20.   WMS F537/WMS R537. (7B).
Xgwm569-7B{9929}[**].   3.71.   WMS F459/WMS R569. (7B).   Whether *Xgwm569-7B*
    belongs to the 7S arm group or the 7BS:5BL:5DL arm group is uncertain.
Xgwm573-7A{9929}.   WMS F573/WMS R573. (7A,7B).
Xgwm573-7B{9929}.   WMS F573/WMS R573. (7A,7B).
Xgwm635-7A{9929}.   12.   WMS F635/WMS R635. (7A,7D).
Xgwm635-7D{9929}.   WMS F635/WMS R635. (7A,7D).
Xgwm635a-7D   119.38. (7D).
Xgwm666-7A{9929}.   WMS F666/WMS R666. (1A)(3A.1,3A.2)(5A)(7A,7A.3).
Xgwm666-7A.3   11. (1A)(3A.1,3A.2)(5A)(7A,7A.3).
Xgwm666c-7A   19.51. (7A).
Xgwm676-7D.2   116.17. (7D.2).
Xgwm681-7A   2. (7A).
Xgwm890-7A{0254}.   WMS F890/WMS R890. (7A).
Xgwm913-7A{0254}.   WMS F913/WMS R913. (7A).
Xgwm935-7B.3   38.49. (7B.3).
Xgwm1002-7D{0250}.   WMS F1002/WMS R1002. (7D).
Xgwm1065-7A{0254}.   WMS F1065/ WMS R1065. (7A).
Xgwm1173-7B{0250}.   WMS F1173/WMS R1173. (7B).
Xgwm1184-7B{0250}.   WMS F1184/WMS R1184. (7B).
Xgwm1220-7D{0250}.   WMS F1220/WMS R1220. (7D).   It is not known whether
    Xwmc1220-7A belongs to group 7S or 7AS:4AL:7DS.
XksuA1a-7D   103.17. (7D).

XksuD15-7A{553}[1]. pTtksuD15. (7A,7B,7D).
XksuD15-7B{410}[1]. pTtksuD15. (7A,7B,7D).
XksuD15-7D{448}[4],{553}[1]. pTtksuD15. (7A,7B,7D). Note: The arm location of *XksuD15-7D* in *Ae. tauschii* was not reported in {448}.
XksuD18-7B{154}. [*XksuD18a-7B*{154}]. pTtksuD18{448}. (2A,2B,2D.1,2D.2)(4D)(7B).
XksuH8-7B{553}[1]. pTtksuH8{448}. (2D.1,2D.2)(3D)(4A)(5A,5B)(7A,7B,7D).
Xkvl906(Cbp2)-7B{0091}. [*Cbp2-7B*{0091}]. pBH72-B8{0092}. (2A)(7B).
Xkvl930(Pr1)-7B{0091}. [*Pr1b-7B*{0091}]. HvPr1b{00104}. (5A,5D)(7B,7D).
Xkvl930(Pr1)-7D{0091}. [*Pr1b-7D*{0091}]. HvPr1b{00104}. (5A,5D)(7B,7D).
XM62P64-7D.6 119.28. (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7A.8,7B.11,7B.2,7B.9,7D.6).
XM65P64-7A.2a 15. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7A.2a,7B.2).
XM67P77-7B.2 42.07. (1B.5)(3B.3)(4A.6)(7A.4,7B.2).
XM83P65-7A.4 5. (1A.1)(2A.2)(3B.10,3D.9)(7A.4,7B.7).
Xmgb39-7A{9959}[2**]. MGB39. (7A). Whether *Xmgb39-7A* belongs to the 7S or 7AS:4AL:7DS arm group is uncertain.
Xmgl59-7D 122.05. (7D).
Xmwg710b-7D 81.38. (7D).
Xnpi253-7A{253}. Npi253. (6A,6B,6D)(7A,7B,7D).
Xnpi253-7B{253}. Npi253. (6A,6B,6D)(7A,7B,7D).
Xnpi253-7D{253}. Npi253. (6A,6B,6D)(7A,7B,7D).
Xopa10-280-7B 30.05. (7B).
Xopae7-337-7B 26.67. (7B).
Xopai5-650-7A 3. (7A).
XP78M43-7D.5 119.28. (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
XP78M63-7A.6 10. (2A.2)(6B.1,6B.3a)(7A.6,7B.4,7B.7).
XP78M69-7A.1 5. (1A.4)(2A.9)(3A.3,3A.8,3B.2,3B.5,3B.7)(5B)(7A.1).
XP78M71-7B.2 42.72. (1A.5)(2A.7,2B.1)(6B.3)(7A.8,7B.2,7B.6).
XP78M72-7A.2 11. (1B.4)(2B.8,2D.4a)(5B.3)(6B.7)(7A.2).
XP78M87-7B.4 38.68. (1B.8)(2A.3,2A.6,2B.5)(3B.2)(6A.7,6B.5a)(7B.4).
Xphp10005-7A{253}. Php10005. (2A,2B,2D)(7A,7B,7D).
Xphp10005-7B{253}. Php10005. (2A,2B,2D)(7A,7B,7D).
Xphp10005-7D{253}. Php10005. (2A,2B,2D)(7A,7B,7D).
Xpsp3001-7A.2{1425}. SP3001F/PSP3001R. (3B,3B.2)(7A.1,7A.2).
Xpsp3015-7B 42. (7B).
Xpsp3035-7D{151}. 122.86. PSP3035F/PSP3035R. (3B)(7D).
Xpsp3113-7D{151,1425}. 124. PSP3113F/PSP3113R. (7D).
Xpsp3114-7A{151,1425}. PSP3114F/PSP3114R. (7A).
Xpsr65-7A{179,180}. PSR65. (7A,7B,7D).
Xpsr65-7B{179,180}. PSR65. (7A,7B,7D).
Xpsr65-7D{179,180}. PSR65. (7A,7B,7D).
Xpsr94-7B{1181}. 45. PSR94. (7B).
Xpsr103-7A{179,180}. PSR103. (7A,7B,7D).
Xpsr103-7B{179,180}. 41. PSR103. (7A,7B,7D).
Xpsr103-7D{179,180}. PSR103. (7A,7B,7D).
Xpsr103b-7D 12.24. (7D).
Xpsr108(Glp3)-7A{180}[b]. [*Xpsr108-7A*{180}]. PSR108. (2A,2B,2D)(7A,7B,7D).
Xpsr108(Glp3)-7B{180}[b]. [*Xpsr108-7B*{180}]. PSR108. (2A,2B,2D)(7A,7B,7D).
Xpsr108(Glp3)-7D{180}[b]. [*Xpsr108-7D*{180}]. PSR108. (2A,2B,2D)(7A,7B,7D).
Xpsr119a-7A 4. (6A)(7A).

Xpsr150(Hsp82)-7A{180}[b]. [*Xpsr150-7A*{180}]. PSR150.
  (2A,2B,2D)(5A,5B,5D)(7A,7B,7D).
Xpsr150(Hsp82)-7B{180}[b]. [*Xpsr150-7B*{180}]. PSR150.
  (2A,2B,2D)(5A,5B,5D)(7A,7B,7D).
Xpsr150(Hsp82)-7D{180}[b]. [*Xpsr150-7D*{180}]. PSR150.
  (2A,2B,2D)(5A,5B,5D)(7A,7B,7D).
Xpsr152-7A{1329,179,180}. PSR152. (5A)(7A,7B,7D).
Xpsr152-7B{1329,179,180}. PSR152. (5A)(7A,7B,7D).
Xpsr152-7D{1329,179,180}. PSR152. (5A)(7A,7B,7D).
Xpsr160-7D.2 119.28. (4A.1)(7D.2).
Xpsr386-7A.2 12. (1A,1A.1)(2A)(3B,3B.4)(5A,5A.3)(7A,7A.2).
Xpsr392-7D.2 119.24. (4A,4A.1)(7A,7D,7D.2).
Xpsr479(Brz)-7A*{282}[3]. [*XBrz-7A*{282}]. pBz.Hv8-3{1588}. (7A*).
Xpsr490(Ss1)-7A.1{496,179}. [*XSs1-7A*{496}]. pST8{898}. (4A)(7A.1,7A.2,7B,7D.1).
Xpsr490(Ss1)-7B{496,179}. [*XSs1-7B*{496}]. pST8{898}. (4A)(7A.1,7A.2,7B,7D.1).
Xpsr490(Ss1)-7D.1{496,179}. [*XSs1-7D*{496}]. pST8{898}. (4A)(7A.1,7A.2,7B,7D.1).
Xpsr490.1(Ss1)-7B 44. (7B).
Xpsr490.3(Ss1)-7A 11. (7A).
Xpsr540-7B{256}. PSR540. (1A)(2A,2B,2D)(7B).
Xpsr558-7A{1181}. 20. PSR558. (7A).
Xpsr563-7A{179}. PSR563. (4D)(6A)(7A,7A.2,7D,7D.1).
Xpsr563-7A.2 5. (4D)(6A)(7A,7A.2,7D,7D.1).
Xpsr563-7D{179}. PSR563. (4D)(6A)(7A,7A.2,7D,7D.1).
Xpsr563-7D.1 119.33. (4D)(6A)(7A,7A.2,7D,7D.1).
Xpsr662-7A{249}. PSR662. (1B)(6A)(7A,7B,7D).
Xpsr662-7B{249}. PSR662. (1B)(6A)(7A,7B,7D).
Xpsr662-7D{249}. PSR662. (1B)(6A)(7A,7B,7D).
Xpsr913-7A{249}. PSR913. (3B)(7A,7B,7D).
Xpsr913-7B{249}. PSR913. (3B)(7A,7B,7D).
Xpsr913-7D{249}. PSR913. (3B)(7A,7B,7D).
Xpsr952-7B{0031}. 29.93. PSR952. (7A,7B).
Xpsr955-7B{0031}. 40. PSR955. (7B).
Xpsr1921-7A{410}. PSR1921. (7A,7B,7D).
Xpsr1921-7B{410}. PSR1921. (7A,7B,7D).
Xpsr1921-7D{410}. PSR1921. (7A,7B,7D).
Xpsr3922-7D 119.24. (7D).
Xrz2-7D{1059}**. 90.97. RZ2. (7D).
Xrz4-7B{553}. RZ4. (7B).
Xrz995-7A 38.31. (6B)(7A).
Xsun1-280-7A 34. (7A).
Xsun16-7B{0256},{0242}. [*XsunM16-7B*{0242}]. SUN 16F/SUN 16R. (7B).
Xtam13-7A{245}. TAM13. (7A,7B,7D).
Xtam13-7B{245}. TAM13. (7A,7B,7D).
Xtam13-7D{245}. TAM13. (7A,7B,7D).
Xucd110 {Esi2}-7A.1{278}. [*XEsi2-7A.1*{278}]. pESI2{472}. (7A.1).
Xumc105-7A{253}. UMC105. (7A,7B,7D).
Xumc105-7B{253}. UMC105. (7A,7B,7D).
Xumc105-7D{253}. UMC105. (7A,7B,7D).
Xumc190(Sus1)-7A{253}. UMC190. (2B,2D)(7A,7D).
Xumc190(Sus1)-7D{253}. UMC190. (2B,2D)(7A,7D).
Xutv621-7B{0269}[2]. UTV621. (7B).

Xutv913-7B{9959}[2]. UTV913. (7B).
Xutv1268-7B{9959}[2]. UTV1268. (7B).
Xutv1378-7A{9959}[2]. UTV1378. (5B)(7A).
Xutv1557-7B{9959}[2]. UTV1557. (7B).
Xwaxc2(Acl1.3)-7A{254}. [*XAcl3-7A*]. pACP1{488}. (5B)(7A,7B,7D).
Xwaxc2(Acl1.3)-7B{254}. [*XAcl3-7B*]. pACP1{488}. (5B)(7A,7B,7D).
Xwaxc2(Acl1.3)-7D{254}. [*XAcl3-7D*]. pACP1{488}. (5B)(7A,7B,7D).
XWB154u-7D 121.94. (7D).
XWC0031du-7D 120.34. (7D).
Xwg180-7B.1{553}. [*Xwg180a*{553}]. WG180. (1A,1B)(4B)(7B.1,7B.2).
Xwg180a-7B 40. (7B).
Xwg522-7A{553}. WG522. (7A,7B,7D).
Xwg522-7B{553}. WG522. (7A,7B,7D).
Xwg522-7D{553}. WG522. (7A,7B,7D).
Xwg669-7A{553}. WG669. (7A,7B,7D).
Xwg669-7B{553}. WG669. (7A,7B,7D).
Xwg669-7D{553}. WG669. (7A,7B,7D).
Xwg834-7D{553}. 59. WG834. (4A)(7A,7D).
Xwg909-7B{553}. WG909. (4B)(5A,5B,5D)(7B).
Xwmc17-7A{0242}. [*Xwmc017-7A*{0242}]. WMC 17F/WMC 17R. (7A,7B). It is not
    known whether *Xwmc17-7A* belongs to group 7S or 7AS:4AL:7DS.
Xwmc42-7D 112.93. (7D).
Xwmc76-7B{0242}. [*Xwmc076-7B*{0242}]. 24.99. WMC 76F/WMC 76R. (6B)(7B).
Xwmc121-7D{0242}. 118.14. WMC 121F/WMC 121R. (7D).
Xwmc158-7A 0. (7A).
Xwmc323-7B 0. (7B).
Xwmc335-7B 27.69. (7B).
Xwmc338-7B{0242}. 10. WMC 338F/WMC 338R. (7B). It is not known whether
    Xwmc338-7B belongs to group 7S or 7BS:5BL:5DL.
Xwmc364a-7B 28.7. (7B).
Xwmc388-7A 14. (7A).
Xwmc405-7A{0242}. [*Xwmc405a-7A*{0242}]. WMC 450F/WMC 405R. (7A,7A.1,7D).
Xwmc405-7D{0242}. [*Xwmc405a-7A*{0242}]. 96.81. WMC 450F/WMC 405R.
    (7A,7A.1,7D).
Xwmc435i-7B 29.71. (7B).
Xwmc471b-7B 29.04. (7B).
Xwmc476-7B 28.36. (7B).
Xwmc479-7A 29. (7A).

29. Group 7S {7AS:4AL:7DS}
Xabc465-4A{0242}. [*Xabc465b-4A*{0242}]. ABC465. (4A)(7A,7B,7D).
Xabg75-7A{0242}. [*Xabg75b-7A*{0242}]. ABG75. (3B)(7A,7D).
Xabg75-7D{0242}. [*Xabg75a-7D*{0242}]. ABG75. (3B)(7A,7D).
Xabg378-4A{0242}[1]. [*Xabg378b-4A*{0242}]. ABG378{664}. (2A)(4A)(6A,6D)(7A).
Xabg378-7A{282}[3]. [*Xabg378b-4A*{0242}]. ABG378{664}. (2A)(4A)(6A,6D)(7A).
Xabg704-4A{0242}[1]. ABG704{664}. (4A)(7A,7D).
Xabg704-7A{282}[3]. ABG704{664}. (4A)(7A,7D).
Xabg704-7D{0242}[1]. [*Xabg704c-7D*{0242}]. ABG704{664}. (4A)(7A,7D).
Xak466(Nra1)-4A{579,961}. [*XNra-4A*{961}]. bNRp10{188}. (4A)(6A,6B,6D)(7A,7D).
Xak466(Nra1)-7A{579,961}. [*XNra-7A*{961}]. bNRp10{188}. (4A)(6A,6B,6D)(7A,7D).
Xak466(Nra1)-7D{579,961}. [*XNra-7D*{961}]. bNRp10{188}. (4A)(6A,6B,6D)(7A,7D).

Xbcd93-4A{028}. [*XcnlBCD93-4A*{961}]. BCD93. (4A)(7A,7D).
Xbcd93-7A{028}. [*XcnlBCD93-7A*{961}]. BCD93. (4A)(7A,7D).
Xbcd93-7D{028}. [*XcnlBCD93-7D*{961}]. BCD93. (4A)(7A,7D).
Xbcd129-7A{0242}. [*Xbcd129-4A*{1059}]. BCD129. (4A)(7A,7D).
Xbcd130-4A{1059}. BCD130. (4A)(7A,7B,7D).
Xbcd130-7A{553}. BCD130. (4A)(7A,7B,7D).
Xbcd130-7D{553}. BCD130. (4A)(7A,7B,7D).
Xbcd135-4A{0242}. [*Xbcd135b-4A*{0242}]. BCD135. (2A,2B,2D)(4A)(5D)(7A).
Xbcd135-7A{0242}. [*Xbcd135a-7A*{0242}]. BCD135. (2A,2B,2D)(4A)(5D)(7A).
Xbcd200-7A{0354}. BCD200. (1A,1B,1D)(7A).
Xbcd873-7A{0242}. [*Xbcd873a-7A*{0242}]. BCD873. (5B,5D)(7A,7D).
Xbcd873-7D{0242}. [*Xbcd873b-7D*{0242}]. BCD873. (5B,5D)(7A,7D).
Xbcd907-7A{1059}. BCD907. (2B)(3B,3B.1,3B.2,3D)(7A).
Xcdo475-4A{1059}. CDO475. (4A,4A.1)(5B)(7A,7D).
Xcdo475-7A{553}. CDO475. (4A,4A.1)(5B)(7A,7D).
Xcdo475-7D{553}. CDO475. (4A,4A.1)(5B)(7A,7D).
Xcdo545-4A{1059}. CDO545. (4A,4A.2)(7A).
Xcdo545-7A{1059}. CDO545. (4A,4A.2)(7A).
Xcdo665-4A{1059}. CDO665. (2A)(4A).
Xcdo780-4A{028}. [*XcnlCDO780-4A*{961}]. CDO780. (4A)(7A,7D).
Xcdo780-7A{028,553}. [*XcnlCDO780-7A*{961}]. CDO780. (4A)(7A,7D).
Xcdo780-7D{028}{553}. [*XcnlCDO780-7D*{961}]. CDO780. (4A)(7A,7D).
Xcdo1400-4A{1008}. CDO1400. (4A)(7A,7D).
Xcdo1400-7A{553}. CDO1400. (4A)(7A,7D).
Xcnl6-7D{0059},{0060}. AG24F/AG24R. (2B)(7D).
Xfba8-7D{1059}. FBA008. (1D)(2A)(3B)(4B)(6A)(7D).
Xfba65-7A{1059}. FBA065. (2D)(4A)(5B)(6A)(7A).
Xfba109-4A{0354}. FBA109. (4A)(7A,7B).
Xfba231-7D{1059}. FBA231. (4A)(7A,7D).
Xfba243-7A{154}. [*Xfba243b-7A*{154}]. FBA243. (4A)(7A,7D).
Xfbb9-7A{1059}. FBB009. (7A).
Xfbb67-7A{1059}. FBB067. (2A)(4B)(7A,7B).
Xfbb114-4A{1059}. FBB114. (4A).
Xfbb121-7A{1059}. FBB121. (2B,2B.5)(4B,4B.1)(5B.1,5B.2)(7A).
Xfbb156-7A{1059}. FBB156. (3B)(5D)(6B)(7A).
Xfbb186-7A{1059}. FBB186. (7A,7B).
Xfbb278-7A {1059}. FBB278. (2B)(3D.1)(4A)(7A).
Xgbx3480-4A{9958}. [*Xgbx3480a-4A*{9958}]. gbx3480. (4A)(7D).
Xgbx3480-7D{9958}. [*Xgbx3480b-7D*{9958}]. gbx3480. (4A)(7D).
Xgbx3832-4A{9958}. [*Xgbx3832b-4A*{9958}]. gbx3832. (2A,2D)(4A)(5A).
XgbxG35-4A{9958}[**]. [*XgbxG035b-4A*{9958}]. 114. gbxG035. (2B.1,2B.2)(4A)(7B).
   Whether *XgbxG35-4A* belongs to the 7AS:4AL:7DS or 4AL:5BL:5DL arm group is uncertain.
XgbxR522-4A{9958}. gbxR522. (4A).
XgbxR799-4A{9958}. [*XgbxR799a-4A*{9958}]. gbxR799. (4A)(7A).
XgbxR799-7A{9958}. [*XgbxR799b-7A*{9958}]. gbxR799. (4A)(7A).
Xgdm86-7D{0173}. DMS F86/DMS R86. (2B)(7D).
Xgdm130-7D{0173}. DMS F130/DMS R130. (7D).
Xglk184-7A{553}. [*TAG184-7A*{553}]. pTag184{822}. (7A,7D,7D(1),7D(2)).
Xglk184-7D{553}. [*TAG184-7D*{553}]. pTag184{822}. (7A,7D,7D(1),7D(2)). The map
   position of *Xglk184-7D* in {0031} indicated that this locus belongs to the 7AS:4AL:7DS
   group.

Xglk576-7A{822,1031}. pTag576. (7A,7B).

Xgwm60-7A{724,0250}. WMS F60/WMS R60. (7A,7B).

Xksu910(Tha1)-4A{0091}. [*Tha1-4A*{0091}]. CR5{0097}. (2D)(4A)(6B)(7A,7B,7D).

XksuD9-4A{255}. pTtksuD9. (4A)(7A.1,7A.2,7B,7D.1,7D.2).

XksuD9-7A.1{553}. [*XksuD9-7A*{553}]. pTtksuD9. (4A)(7A.1,7A.2,7B,7D.1,7D.2).

XksuD9-7D.1{255}. [*XksuD9-7D*{255}]. pTtksuD9. (4A)(7A.1,7A.2,7B,7D.1,7D.2).

XksuF36-4A{154}. pTtksuF36. (2D)(4A)(6D)(7D).

XksuF48-7D{553}. pTtksuF48. (6D)(7D).

XksuG49-4A{154}. [*XksuG49c-4A*{154}]. pTtksuG49.
   (2D.1,2D.2,2D.3,2D.4)(4A)(6A)(7D.1,7D.2,7D.3).

Xmgb9-4A{9959}[2]. MGB9. (4A)(7A).

Xmgb9-7A{9959}[2]. MGB9. (4A)(7A).

Xmwg530-7A{282}[3]. MWG530{467}. (7A).

Xmwg710-4A{1059}[1]. [*Xmwg710-7A*{1059,282}]. cMWG710{467}.
   (1A,1B,1D)(4A,4A.1)(7A,7B,7D).

Xmwg710-7A{282}[3]. [*Xmwg710-7A*{1059,282}]. cMWG710{467}.
   (1A,1B,1D)(4A,4A.1)(7A,7B,7D).

Xmwg710-7D{1059}[1]. [*Xmwg710-7A*{1059,282}]. cMWG710{467}.
   (1A,1B,1D)(4A,4A.1)(7A,7B,7D).

Xmwg2018-7A{282}[3]. MWG2018{467}. (7A).

Xpsp160-4A{0086}. PSP160F1/PSP160R1. (4A)(7A).

Xpsp160-7A{0086}. PSP160F1/PSP160R1. (4A)(7A).

Xpsr119(Fedr)-4A{180}[b]. [*Xpsr119-4A*{180}]. PSR119. (4A)(7A,7D).

Xpsr119(Fedr)-7A{180}[b]. [*Xpsr119-7A*{180}]. PSR119. (4A)(7A,7D).

Xpsr119(Fedr)-7D{180}[b]. [*Xpsr119-7D*{180}]. PSR119. (4A)(7A,7D).

Xpsr160(Plc)-4A{180}. [*Xpsr160-4A*{961}]. PSR160. (4A)(7A,7D*).

Xpsr160(Plc)-7A{180}. [*Xpsr160-7A*{961}]. PSR160. (4A)(7A,7D*).

*Xpsr160(Plc)-7D**{180}. [*Xpsr160-7D*{961}]. PSR160. (4A)(7A,7D*).

Xpsr392-4A{253}. PSR392. (4A,4A.1)(7A,7D,7D.2).

Xpsr392-7A{253}. PSR392. (4A,4A.1)(7A,7D,7D.2).

Xpsr392-7D{253}. PSR392. (4A,4A.1)(7A,7D,7D.2).

Xpsr470(Wx)-4A{180}. [*XWx-4A*{961}]. pcwx27{1236}. (4A)(7A,7D*).

Xpsr470(Wx)-7A{180}. [*XWx-7A*{961}]. pcwx27{1236}. (4A)(7A,7D*).

*Xpsr470(Wx)-7D**{180}. [*XWx-7D*{961}]. pcwx27{1236}. (4A)(7A,7D*).

Xpsr490(Ss1)-4A{1181}. [*Xpsr490-4A.2*{1181}]. pST8{898}. (4A)(7A.1,7A.2,7B,7D.1).

Xpsr490(Ss1)-7A.2{1181}. [*Xpsr490-7A.3*{1181}]. pST8{898}. (4A)(7A.1,7A.2,7B,7D.1).

Xpsr573-7D{0031}. PSR573. (4A)(7D).

Xpsr604-4A{249,255}. PSR604. (3B)(4A)(7A,7D).

Xpsr604-7A{249,255}. PSR604. (3B)(4A)(7A,7D).

Xpsr604-7D{249,255}. PSR604. (3B)(4A)(7A,7D).

Xpsr648-7A{282}[3]. PSR648{410}. (1B)(4A)(7A,7D).

Xpsr833(Per)-4A{249}. [*XPer-4A*{249}]. BP1{1198}. (3A,3B,3D*)(4A)(7A,7D*).

Xpsr833(Per)-7A{249}. [*XPer-7A*{249}]. BP1{1198}. (3A,3B,3D*)(4A)(7A,7D*).

*Xpsr833(Per)-7D**{249}. [*XPer-7D*{249}]. BP1{1198}. (3A,3B,3D*)(4A)(7A,7D*).

Xpsr946-7A.1{282}[3]. [*Xpsr946-7A.2*{282}]. PSR946{410}.
   (1D)(2D)(3A)(5D)(7A.1,7A.2,7D.1,7D.2,7D.3).

Xpsr946-7A.2{282}[3]. [*Xpsr946-7A.3*{282}]. PSR946{410}.
   (1D)(2D)(3A)(5D)(7A.1,7A.2,7D.1,7D.2,7D.3).

Xpsr946-7D.1{256}[1]. [*Xpsr946-7D(1)*{256}]. PSR946{410}.
   (1D)(2D)(3A)(5D)(7A.1,7A.2,7D.1,7D.2,7D.3).

Xpsr946-7D.2{410}[1].   [*Xpsr946-7A.2*{282}].   PSR946{410}.
    (1D)(2D)(3A)(5D)(7A.1,7A.2,7D.1,7D.2,7D.3).
Xstm271-7A{0242}.   STM 271F/STM 271R.   (7A).   It is not known whether *Xstm271-7A*
    belongs to group 7AS:4AL:7DS or 7S.
Xsun1-7A{0077}.   SUN 1F/ SUN 1R.   (7A,7D).   The primers SUN 1F/SUN 1R amplify
    across an $(AT)_n$ microsatellite at the 3' end of waxy genes.
Xsun1-7D(Wx){0077}.   SUN 1F/ SUN 1R.   (7A,7D).   The primers SUN 1F/SUN 1R amplify
    across an $(AT)_n$ microsatellite at the 3' end of waxy genes.
Xumc190(Sus)-4A{253}.   UMC190.   (4A)(7A,7D).
Xumc190(Sus)-7A{253}.   [*Xumc190-7A*{253}].   UMC190.   (4A)(7A,7D).
Xumc190(Sus)-7D{253}.   [*Xumc190-7D*{253}].   UMC190.   (4A)(7A,7D).
Xutv434-4A.2{9959}[2].   UTV434.   (4A.1,4A.2,4A.3).   The other 4AL locus belongs to the
    4AL:5BL:5DL arm group.
Xutv1025-4A{9959}[2].   UTV1025.   (4A).
Xutv1071-4A{9959}[2].   UTV1071.   (4A).
Xutv1371-4A{9959}[2].   UTV1371.   (3B)(4A)(7A).
Xutv1371-7A{9959}[2].   UTV1371.   (3B)(4A)(7A).
Xwg834-4A{0354}.   WG834.   (4A)(7A,7D).
Xwg834-7A{553}.   WG834.   (4A)(7A,7D).
Xwmc168-7A{0348}.   WMC 168F/WMC 168R.   (7A).
Xwye835(Wx)-4A{253}.   pCSS22{011}.   (4A)(7A,7D).
Xwye835(Wx)-7A{253}.   pCSS22{011}.   (4A)(7A,7D).
Xwye835(Wx)-7D{253}.   pCSS22{011}.   (4A)(7A,7D).
Xwyep835(Wx)-4A{9975}.   pCSS22F/pCSS22R{9975}.   (4A).

30. Group 7L

M21/P76-7B.9   89.   (1A.5)(3B.3)(4A.4)(7B.9).
M62/P64-7B.11   89.   (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7B.11,7B.2,7B.9,7D.6).
M62/P64-7B.2   55.04.   (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7B.11,7B.2,7B.9,7D.6).
M62/P64-7B.9   91.99.   (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7B.11,7B.2,7B.9,7D.6).
M65/P64-7B.2   89.34.   (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7B.2).
M71/P77-7D.3   234.01.   (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).
M71/P77-7D.7   240.04.   (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).
M77/P64-7B.12   83.93.   (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
M77/P64-7B.12a   58.02.   (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
M83/P65-7B.7   87.32.   (1A.1)(2A.2)(3B.10,3D.9)(7B.7).
M86/P65-7B.0   86.08.   (2B.1,2D.3)(3B.4)(6B.5)(7B.0).
P31/M48-2-7B   53.05.   (7B).
P31/M60-4-7A   89.39.   (7A).
P32/M51-5-7A.5   92.09.   (7A,7A.5).
P32/M52-333-7A   72.97.   (7A).
P32/M52-343-7B   85.86.   (7B).
P32/M53-4-7B   99.39.   (7B).
P32/M55-1-7B   48.   (7B).
P33/M49-5-7A   89.39.   (7A).
P33/M52-6-7A   67.31.   (7A).
P33/M54-5-7A   67.5.   (7A).
P33/M55-4-7A   88.94.   (7A).
P33/M55-6-7B   104.58.   (7B).
P34/M50-7-7A   86.76.   (7A).
P35/M47-1-7B   92.09.   (7B).

P35/M47-3-7B 101.87. (7B).
P35/M49-5-7B 105. (7B).
P35/M49-6-7A 58.86. (7A).
P35/M61-1-7B 99.02. (7B).
P36/M49-6-7B 90.37. (7B).
P36/M50-4-7A 89.17. (7A).
P36/M53-172-7A 90.51. (7A).
P36/M53-184-7B 89.97. (7B).
P36/M61-156-7A 63.14. (7A).
P36/M61-173-7A 92.29. (7A).
P37/M48-3-7A 71.11. (7A).
P37/M57-180-7B 89.97. (7B).
P37/M64-255-7A 81.72. (7A).
P37/M64-450-7A 90.12. (7A).
P38/M49-1-7B 101.87. (7B).
P38/M54-3-7B 105. (7B).
P38/M59-224-7B 65.91. (7B).
P38/M59-66-7A 58.28. (7A).
P39/M49-396-7A 89.39. (7A).
P39/M53-3-7B 103.39. (7B).
P40/M47-4-7B 100.11. (7B).
P40/M47-8-7A 89.17. (7A).
P40/M47-9-7A 82.66. (7A).
P40/M51-4-7A 81.51. (7A).
P40/M54-1-7A 90.51. (7A).
P40/M54-5-7A 88.37. (7A).
P40/M54-101-7A 91.67. (7A).
P40/M55-3-7A 89.17. (7A).
P40/M55-178-7A 88.74. (7A).
P40/M60-58-7B 91.68. (7B).
P41/M48-98-7B 101.87. (7B).
P41/M50-8-7B 101.87. (7B).
P42/M52-3-7B 88.07. (7B).
P78/M43-7B.14 95.19.
   (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
P78/M49-7B.2 54.32. (3D.5)(4A.6)(5B.3)(7B.2).
P78/M59-7B.7 69.9. (2B.1)(3B.2,3D.3)(4A.6)(7B.7).
P78/M63-7B.4 54.32. (2A.2)(6B.1,6B.3a)(7B.4,7B.7).
P78/M63-7B.7 57.03. (2A.2)(6B.1,6B.3a)(7B.4,7B.7).
pwir232b-7B 61.5. (7B).
S12M17_1-7B 48. (7B).
S12M20_1-7B 50. (7B).
S13M18_3-7B 58.01. (7B).
S13M19_8-7B 63.56. (7B).
S15M15_1-7D 145. (7D).
S23M15_4-7B 53.74. (7B).
S24M18_12-7B 69.68. (7B).
S24M26_5-7B 56.16. (7B).
S25M15_19-7B 60.71. (7B).
Xabc173c-7D 154.64. (7D).
Xabc305-7A{282}[3]. ABC305{664}. (4B,4D)(5A)(7A).

Xabc310-7A{282}[3]. ABC310{664}. (3B)(4A)(5B,5B.1)(7A,7B).
Xabc310-7B{1059}. ABC310{664}. (3B)(4A)(5B,5B.1)(7A,7B).
Xabg461-7A{282}[3]. ABG461{664}. (7A).
Xabg652-7A{0242}. 85.62. ABG652. (6A)(7A).
XAWM051-7B 66.2. (7B).
XAWM143-7A 123. (7A).
XAWM426a-7D 146.06. (7D).
XAWM426b-7A 153. (7A).
Xbarc20-7B 115.06. (7B).
Xbarc50-7B 106.92. (7B).
Xbarc53-7D 209.68. (7D).
Xbarc76-7D 226.49. (7D).
Xbarc90-7B 49. (7B).
Xbarc105-7D 161.97. (7D).
Xbarc111-7D 166.66. (7D).
Xbarc121-7D.2 153.5. (7D.2).
Xbarc172-7D 148.29. (7D).
Xbarc176-7B 51.33. (7B).
Xbarc182-7B 106.71. (7B).
Xbarc235-7D 194.82. (7D).
Xbarc258-7B 70.31. (7B).
Xbarc278-7B 55.61. (7B).
Xbarc315-7B.2 70.81. (4A.1)(7B.2).
Xbarc340-7B.2 106.28. (5B.1)(7B.2).
Xbcd178-7B{1059}. 50. BCD178. (7B).
Xbcd707-7B 57.76. (7B,7D).
Xbcd1066-7A{1059}. 86.25. BCD1066{545}. (7A,7B).
Xbcd1066-7B 51. (7A,7B).
Xbcd1066b-7A 104. (7A).
Xbzh232(Tha)-7A{0031}. [*Xpwir232a*{0031}, *Xpwir232b-7A*{0031}]. pWIR232{0061}.
   (7A,7B).
Xbzh232(Tha)-7B{0031}. [*Xpwir232a*{0031}, *Xpwir232b-7B*{0031}]. pWIR232{0061}.
   (7A,7B).
Xcdc1(Sod1)-7A{0054}. SOD1.1 & SOD1.2. (7A,7B,7D).
Xcdc1(Sod1)-7B{0054}. SOD1.1 & SOD1.2. (7A,7B,7D).
Xcdc1(Sod1)-7D{0054}. SOD1.1 & SOD1.2. (7A,7B,7D).
Xcdo17-7A{1059}. 107. CDO17{545}. (7A,7B).
Xcdo53-7A{553}. CDO53. (7A,7B,7D).
Xcdo53-7B{553}. CDO53. (7A,7B,7D).
Xcdo53-7D{553}. CDO53. (7A,7B,7D).
Xcdo347-7A{1059}. [*Xcdo347a-7D*{0354}]. 91.88. CDO347. (7A,7D).
Xcdo347-7D{0354}. [*Xcdo347a-7D*{0354}]. CDO347. (7A,7D).
Xcdo412-7B{0354}. CDO412. (5A,5A.1,5B,5D)(7B).
Xcdo414-7B{1059}. 102.36. CDO414. (4A)(7B).
Xcdo475b-7A 59. (7A,7B).
Xcdo551-7A{553}. CDO551. (7A,7B).
Xcdo551-7B{553}. 48. CDO551. (7A,7B).
Xcdo595-7A{1059}. 103. CDO595{545}. (7A,7B).
Xcdo673-7A{553}. 67.5. CDO673. (7A,7B,7D).
Xcdo673-7B{553}. CDO673. (7A,7B,7D).
Xcdo673-7D{553}. CDO673. (7A,7B,7D).

Xcdo686-7B{1059}. 61.89. CDO686. (6B)(7B).
Xcdo690-7A{282}[3]. CDO690{028}. (7A).
Xcdo775-7A{553}. CDO775. (5B)(7A,7B,7D).
Xcdo775-7B{553}. CDO775. (5B)(7A,7B,7D).
Xcdo775-7D{553}. 144.11. CDO775. (5B)(7A,7B,7D).
Xcdo920-7A{553}. CDO920. (7A).
Xcdo949-7B{0242}. 57.08. CDO949. (4A,4B,4D)(7B).
Xcdo962-7A{1059}. CDO962. (7A,7B).
Xcdo962-7B 48. (7A,7B).
Xcdo962a-7A 50. (7A).
Xcdo962b-7A 126. (7A).
Xcdo1199-7A{553}. CDO1199. (7A,7B,7D).
Xcdo1199-7B{553}. CDO1199. (7A,7B,7D).
Xcdo1199-7D{553}. CDO1199. (7A,7B,7D).
Xcfa2019-7A 79.78. (7A).
Xcfa2040a-7A 89.63. (7A).
Xcfa2049-7A 53. (7A).
Xcfa2110-7A 63.48. (7A).
Xcfa2123-7A 78.96. (7A).
Xcfa2174a-7A 91. (7A).
Xcfa2240-7A 92.12. (7A).
Xcfa2257-7A 91.89. (7A).
Xcfa2293-7A 83.35. (7A).
Xcfd6-7A{0349}. 59.21. CFD 6F/CFD 6R. (7A).
Xcfd25a-7D 158.6. (7D).
Xcn12-7B.1 98.07. (7B.1).
Xcn17-7B.3 50.19. (1D.1)(4B.2)(7B.3).
Xcnl1-7B{0354,0059}. [*XPDAC01-7B*{0354}]. 101.16. CNL 1F/CNL 1R. (7B).
Xcnl2-7B{0354,0059,0060}. [*XBDAC14-7B*{0354}]. CNL 2F/CNL 2R. (3D)(7B,7B.1).
Xcnl2-7B.1 98.07. (3D)(7B,7B.1).
Xcsih81-7A{553}[1]. [*XcsIH81-1*{757}]. csIH81-1{757}. (7A,7B,7D).
Xcsih81-7B{553}[1]. [*XcsIH81-1*{757}]. csIH81-1{757}. (7A,7B,7D).
Xcsih81-7D{757}[4],{553}[1]. [*XcsIH81-1*{757}]. csIH81-1{757}. (7A,7B,7D). The arm
     location of *Xcsih81-7D* in *Ae. tauschii* was not reported in {757}.
Xfba21-7B{1059}. 105.42. FBA021. (7B).
Xfba69-7A{1059}. FBA069. (7A,7D,7D.2).
Xfba69-7D{1059}. FBA069. (7A,7D,7D.2).
Xfba69-7D.2 169.01. (7A,7D,7D.2).
Xfba69a-7A 106. (7A,7B).
Xfba69a-7B 54.76. (7A,7B).
Xfba69b-7A 162. (7A).
Xfba71-7A{154}. [*Xfba71a-7A*{154}]. FBA071. (2A)(7A).
Xfba71a-7A 48.4. (7A).
Xfba97-7A{1059}. FBA097. (7A,7B).
Xfba97-7B 57.12. (7A,7B).
Xfba97a-7A 113. (7A).
Xfba97b-7A 165. (7A).
Xfba127-7A{1059}. FBA127. (2B)(3A,3A.1)(5B)(6B)(7A).
Xfba134-7A{1059}. FBA134. (7A).
Xfba204-7A{1059}. FBA204. (7A,7D).
Xfba204-7D{1059}. FBA204. (7A,7D).

Xfba204a-7D 197.7. (7D).
Xfba234-7A{1059}. FBA234. (1A)(6A,6A.1)(7A).
Xfba234b-7A 74.94. (7A,7B).
Xfba248b-7A 55. (7A).
Xfba259-7B{1059}. 67.03. FBA259. (5B)(7B).
Xfba264-7D{1059}. 174.75. FBA264. (7D).
Xfba301-7B{1059}. 53.97. FBA301. (7B).
Xfba305-7B{1059}. 57.89. FBA305. (7B).
Xfba311-7B{1059}. FBA311. (2D)(3B)(7B).
Xfba311b-7B 49. (1A)(2D)(7B).
Xfba337-7A{1059}. 52.02. FBA337. (7A,7B).
Xfba337-7B 48. (7A,7B).
Xfba337b-7A 119. (7A).
Xfba340-7A{1059}. 76. FBA340. (5D)(6B)(7A,7B).
Xfba349-7A{0242}. 89.57. FBA349. (2D)(7A).
Xfba350-7A{1059}. 199. FBA350. (7A).
Xfba354-7A{1059}. FBA354. (7A,7B).
Xfba354-7B{1059}. FBA354. (7A,7B).
Xfba354a-7A 101. (7A).
Xfba354b-7A 146. (7A,7B).
Xfba354b-7B 53. (7A,7B).
Xfba363b-7A 68.4. (7A,7B).
Xfba382-7A{1059}. FBA382. (7A,7B).
Xfba382-7B{154}. FBA382. (7A,7B).
Xfba382a-7A 122. (7A,7B).
Xfba382a-7B 60.08. (7A,7B).
Xfbb18-7A{1059}. 108.75. FBB018. (7A,7B).
Xfbb18-7B 58.47. (7A,7B).
Xfbb18a-7A 117. (7A).
Xfbb18b-7A 175. (7A).
Xfbb67-7B{1059}. FBB067. (2A)(4B)(7A,7B).
Xfbb67b-7B 80.3. (4B)(7B).
Xfbb79-7D{1059}. 173.7. FBB079. (7A,7D).
Xfbb112-7D{1059}. 138.43. FBB112. (7D).
Xfbb145-7A{1059}. FBB145. (6A)(7A).
Xfbb145a-7A 117. (6A)(7A).
Xfbb145b-7A 175. (7A,7B).
Xfbb145b-7B 58.47. (7A,7B).
Xfbb166b-7A 55. (7A).
Xfbb175-7B{1059}. 56.32. FBB175. (7B).
Xfbb179-7B{1059}. 54.68. FBB179. (7B).
Xfbb189-7B{1059}. FBB189. (7B,7B.1,7D,7D.2).
Xfbb189-7B.1 105.42. (7B,7B.1,7D,7D.2).
Xfbb189-7D{1059}. FBB189. (7B,7B.1,7D,7D.2).
Xfbb189-7D.2 216.46. (7B,7B.1,7D,7D.2).
Xfbb193-7A{1059}. FBB193. (7A,7B).
Xfbb193-7B{1059}. FBB193. (7A,7B).
Xfbb193a-7A 75.71. (7A,7B).
Xfbb193a-7B 48. (7A,7B).
Xfbb218-7B 48. (7A,7B).
Xfbb218-7A{1059}. 54.93. FBB218. (7A,7B).

Xfbb218a-7A 52. (7A).
Xfbb218b-7A 121. (7A).
Xfbb238-7A{1059}. FBB238. (5B,5D)(7A).
Xfbb258-7B{1059}. 52.83. FBB258. (7B).
Xfbb264-7A{1059}. 92. FBB264. (7A,7B).
Xfbb325-7D{1059}. 184. FBB325. (7D).
Xfbb343x-7A 80.43. (7A,7B).
Xfbb343x-7B 49. (7A,7B).
Xfbb352-7B{1059}. 58.04. FBB352. (7B).
Xfbb366-7A{154}. [*Xfbb366a-7A*{154}]. FBB366. (7A,7D).
Xfbb366-7D{154}. [*Xfbb366b-7D*{154}]. FBB366. (7A,7D).
Xfbb366a-7A 51.28. (7A).
Xfdp1(VAtpA)-7A{281}^{3}. [*XVAtp-A-7A*{281}]. pHTA{285}. (7A).
Xfdp2(VAtpB1)-7A{281}^{3}. [*XVAtp-B1-7A*{281}]. pHTB1{102}. (7A).
Xg0834c-7A 55. (7A).
Xgbx3241-7B{9958}. gbx3241. (7B).
Xgbx4046-7A{0354}. gbx4046. (7A,7B).
Xgbx4046-7B{9958}. gbx4046. (7A,7B).
Xgbx4899-7A{9958}. 88.2. gbx4899. (7A,7B).
XgbxG35-7B{9958}. [*XgbxG035a-7B*{9958}]. gbxG035. (2B.1,2B.2)(4A)(7B).
XgbxG36-7b{0354}. [*XgbxG026a-7B*{0354}]. gbxG036. (2A)(4A)(6A)(7b).
XgbxG37-7B{9958}. [*XgbxG037d-7B*{9958}]. gbxG037. (3B)(5D)(7B).
XgbxG46-7B{9958}. [*XgbxG046-7B*{9958}]. gbxG046. (7B).
XgbxG141-7B{0354}. gbxG141. (4A)(7B).
XgbxG218-7A{9958}. [*XgbxG218c-7A*{9958}]. gbxG218. (2D)(7A,7B,7D).
XgbxG218-7B{9958}. [*XgbxG218a-7B*{9958}]. gbxG218. (2D)(7A,7B,7D).
XgbxG218-7D{0354}. [*XgbxG218b-7D*{0354}]. gbxG218. (2D)(7A,7B,7D).
XgbxG218a-7A 217. (7A).
XgbxG411-7A{9958}. [*XgbxG411b-7A*{9958}]. gbxG411. (7A,7B,7D.1,7D.2).
XgbxG411-7B{9958}. [*XgbxG411a-7B*{9958}]. gbxG411. (7A,7B,7D.1,7D.2).
XgbxG411-7D.1{9958}. [*XgbxG411c-7D*{9958}]. gbxG411. (7A,7B,7D.1,7D.2).
XgbxG411-7D.2{9958}. [*XgbxG411d-7D*{9958}]. gbxG411. (7A,7B,7D.1,7D.2).
XgbxG411a-7A 167. (7A).
XgbxG411c-7D 188.59. (7D).
XgbxG451-7D{9958}. 170.47. gbxG451. (7D).
XgbxG575-7A{9958}. [*XgbxG575a-7A*{9958}]. gbxG575. (2D)(7A).
XgbxG575a-7A 99. (7A,7B).
XgbxG575a-7B 52.57. (7A,7B).
XgbxG732-7A{9958}. 80.43. gbxG732. (7A,7B).
XgbxG732-7B{0354}. 50. gbxG732. (7A,7B).
XgbxGx228-7A{9958}. 79.2. gbxGx228. (7A,7B).
XgbxGx228-7B 49. (7A,7B).
XgbxR35-7A{9958}. [*XgbxR035b-7A*{9958}]. gbxR035. (7A,7B,7D).
XgbxR35-7B{0354}. [*XgbxR035a-7B*{9958}]. gbxR035. (7A,7B,7D).
XgbxR35-7D{0354}. [*XgbxR035b-7D*{9958}]. gbxR035. (7A,7B,7D).
XgbxR138-7A{9958}. gbxR138. (7A,7B,7D).
XgbxR138-7B{0354}. [*XgbxR138a-7B*{0354}]. gbxR138. (7A,7B,7D).
XgbxR138-7D{0354}. [*XgbxR138b-7D*{0354}]. gbxR138. (7A,7B,7D).
XgbxR570-7D{0354}. [*XgbxR570b-7D*{0354}]. gbxR570. (5B)(7D).
XgbxR595-7B{9958}. gbxR595. (7B).
Xgdm14c-7A 106. (7A).

Xgdm46-7D{0173}.   156.9.   DMS F46/DMS R46.   (7D).

Xgdm67-7D{0173}.   173.07.   DMS F67/DMS R67.   (7D).

Xgdm84-7D{0173}.   DMS F84/DMS R84.   (7D).

Xgdm150-7D{0173}.   DMS F150/DMS R150.   (7D).

Xglk35-7A{553,822}.   [*TAG35-7A*{553}, *Xglk35a*{822}].   pTag35{822},pTag572.   (7A,7B,7D).

Xglk35-7B{553,822}.   [*TAG35-7B*{553}, *Xglk35b*{822}].   pTag35{822},pTag572.   (7A,7B,7D).

Xglk35-7D{553}.   [*TAG35-7D*{553}].   pTag35{822}.   (7A,7B,7D).

Xglk61-7B{553}[1],{822}.   [*TAG61-7B*{553}].   pTag61{822}.   (7A,7A.2,7B,7D.1,7D.2).

Xglk61-7D.1{9926}[4].   [*TAG61-7B*{553}].   pTag61{822}.   (7A,7A.2,7B,7D.1,7D.2).

Xglk61-7D.2{9926}[4].   [*TAG61-7B*{553}].   pTag61{822}.   (7A,7A.2,7B,7D.1,7D.2).

Xglk165-7A{0031}.   pTag165{822}.   (5B,5D.1,5D.2)(7A).

Xglk197-7B{822}.   pTag197{822}.   (2A)(7B).

Xglk302-7B   89.47.   (2B,2B.1)(4A,4D)(7B).

Xglk356-7A   104.   (7A,7B,7D).

Xglk439-7A{553}.   [*TAG439-7A*{553}].   pTag439{822}.   (7A,7B,7D).

Xglk439-7B{553,822}.   [*TAG439-7B*{553}].   pTag439{822}.   (7A,7B,7D).

Xglk439-7D{553}.   [*TAG439-7D*{553}].   pTag439{822}.   (7A,7B,7D).

Xglk478-7A{154}.   [*Xglk478a-7A*{154}].   pTag478{822}.   (7A,7B,7D).

Xglk478-7B{553}.   [*TAG478-7B*{553}].   51.   pTag478{822}.   (7A,7B,7D).

Xglk478-7D{553}.   [*TAG478-7D*{553}].   pTag478{822}.   (7A,7B,7D).

Xglk478a-7A   73.3.   (7A).

Xglk546-7A{553,822}.   [*TAG546-7A*{553}, *Xglk546d*{822}].   pTag546{822}.   (2B.1,2B.2)(3B)(5A.1,5A.2)(6B)(7A,7B).

Xglk546-7B{553}.   [*TAG546-7B*{553}].   pTag546{822}.   (2B.1,2B.2)(3B)(5A.1,5A.2)(6B)(7A,7B).

Xglk576-7B{0031}.   102.5.   pTag576{822}.   (7A,7B).

Xglk598-7A{553}.   [*TAG598-7A*{553}].   pTag598{822}.   (7A,7B,7D).

Xglk598-7B{553}.   [*TAG598-7A*{553}].   50.   pTag598{822}.   (7A,7B,7D).

Xglk598-7D{553}.   [*TAG598-7D*{553}].   pTag598{822}.   (7A,7B,7D).

Xglk642-7A{553,822}.   [*TAG642-7A*{553}].   pTag642{822}.   (7A).

Xglk686-7A{553,822}.   [*TAG686-7A*{553}].   pTag686{822}.   (7A).

Xglk702-7D{553,822}.   [*TAG702-7D*{553}].   pTag702{822}.   (7D).

Xglk750-7A{553}.   [*TAG750-7A*{553}].   pTag750{822}.   (7A,7B,7D).

Xglk750-7B{553}.   [*TAG750-7B*{553}].   83.23.   pTag750{822}.   (7A,7B,7D).

Xglk750-7D{553}.   [*TAG750-7D*{553}].   pTag750{822}.   (7A,7B,7D).

Xglk2003(Bza1-5)-7D{0049}.   [*Bza1-D5*{0049}].   IHBP-1a(1).   (7D).

XGlu-7A{277}[3].   pTdUCD1{167}.   (7A).   *Nor-D4. See Nucleolus organizer regions.*

Xgpw313b-7A   79.81.   (7A,7B).

Xgpw313b-7B   49.   (7A,7B).

Xgpw334-7D   170.47.   (7D).

Xgpw350-7D   141.45.   (7D).

Xgpw1009-7D   167.12.   (7D).

Xgpw1100a-7A   77.23.   (7A,7B).

Xgpw1100a-7B   49.   (7A,7B).

Xgpw2052-7D   141.45.   (7D).

Xgpw2083a-7A   107.   (7A,7B).

Xgpw2083a-7B   55.07.   (7A,7B).

Xgpw2092-7A   110.   (7A,7B).

Xgpw2092-7B   56.   (7A,7B).

Xgpw2103-7A 56. (7A,7B).
Xgpw2119-7A 53. (7A,7B).
Xgpw2160-7D 142.26. (7D).
Xgpw2252-7A 87.89. (7A).
Xgpw2264-7A 87.74. (7A,7B).
Xgpw2269-7A 88.2. (7A,7B).
Xgpw2299-7A 88.18. (7A).
Xgpw2327-7D 163.65. (7D).
Xgwm37-7D{1226}. 231. WMS 37F/WMS 37R. (7D).
Xgwm43-7B{1226}. 48. WMS 43F/WMS 43R. (7B).
Xgwm60b-7A 60. (7A).
Xgwm63-7A{9929}. WMS F63/WMS R63. (7A).
Xgwm111-7B{0031}. [*Xgwm111a-7B*{0031}]. 81.93. WMS F11/WMS R111. (4A)(7B,7D).
Xgwm112-7B{9929}. 63.75. WMS F112/WMS R112. (3B)(7B).
Xgwm121-7D{9929}. 173. WMS F121/WMS R121. (5A.2,5D)(7D).
Xgwm131-7B 69.55. (1B.1,1B.2)(3B,3B.2)(7B).
Xgwm146-7B{9929}. 108.06. WMS F146/WMS R146. (7B).
Xgwm274-7B{9929}. 58.41. WMS F274/WMS R274. (1B,1B.1)(5B)(7B).
Xgwm276-7A{9929}. 61.06. WMS F276/WMS R276. (7A,7B).
Xgwm276a-7A 59. (7A).
Xgwm276b-7A 129. (7A).
Xgwm282-7A{9929}. 170. WMS F282/WMS R282. (7A).
Xgwm302-7B{9929}. 65.5. WMS F302/WMS R302. (7B).
Xgwm332-7A 88. (7A,7A.1,7A.2,7A.3).
Xgwm332-7A.1{0269}^{2}. [*Xgwm332a-7A*{0269}^{2}]. WMS F332/WMS R332.
    (7A,7A.1,7A.2,7A.3).
Xgwm332-7A.2{0269}^{2}. [*Xgwm332b-7A*{0269}^{2}]. WMS F332/WMS R332.
    (7A,7A.1,7A.2,7A.3).
Xgwm332-7A.3{9929}. [*Xgwm332-7A*{9929}]. WMS F332/WMS R332.
    (7A,7A.1,7A.2,7A.3).
Xgwm332a-7A 171. (7A).
Xgwm332b-7A 202. (7A).
Xgwm344-128-7A 92.92. (7A).
Xgwm344-7B{9929}. 104.5. WMS F344/WMS R344. (7B).
Xgwm428-7D{9929}. 201.86. WMS F428/WMS R428. (7D).
Xgwm437-7D{9929}. 144.73. WMS F437/WMS R437. (7D).
Xgwm540a-7B 48. (7B).
Xgwm550-7A{0171}. [*Xgwm550b-7A*{0171}]. WMS F550/WMS R550. (1B)(7A).
Xgwm573b-7A 96. (7A,7B).
Xgwm573b-7B 50.93. (7A,7B).
Xgwm577-7B{9929}. 105.01. WMS F577/WMS R577. (4A)(7B).
Xgwm611-7B{9929}. 100. WMS F611/WMS R611. (7B).
Xgwm631-7A{0178,0254}. WMS F631/WMS R631. (7A).
Xgwm644-7B.2 49. (6B)(7B,7B.2).
Xgwm698-7A{0254}. WMS F698/WMS R698. (7A).
Xgwm746-7B.2 85.76. (7B.2).
Xgwm748-7A{0254}. WMS F748/WMS R748. (7A).
Xgwm767-7B{0250}. WMS F767/WMS R767. (7B).
Xgwm870-7A{0254}. WMS F870/WMS R870. (7A).
Xgwm871-7B{0250}. WMS F871/WMS R871. (7B).
Xgwm897-7B{0250}. WMS F897/WMS R897. (7B).

Xgwm963-7B{0250}. WMS F963/WMS R963. (7B).
Xgwm1044-7D{0250}. WMS F1044/WMS R1044. (7D).
Xgwm1061-7A{0254}. WMS F1061/WMS R1061. (7A).
Xgwm1066-7A{0254}. WMS F1066/WMS R1066. (7A).
Xgwm1083-7A{0254}. WMS F1083/WMS R1083. (7A).
Xgwm1085-7B{0250}. WMS F1085/WMS R1085. (7B).
Xhhu2(Ppc1)-7A{179,180}. [*XPepc-7A*{179,180}, *XPpc-7A*{1094}]. SORCO{1572}.
   (7A,7B,7D).
Xhhu2(Ppc1)-7B{179,180}. [*XPepc-7B*{179,180}, *XPpc-7B*{1094}]. SORCO{1572}.
   (7A,7B,7D).
Xhhu2(Ppc1)-7D{179,180}. [*XPepc-7D*{179,180}, *XPpc-7D*{1094}]. SORCO{1572}.
   (7A,7B,7D).
XHkt1-7A 73.88. (7A).
Xksu910(Tha1)-7A{0091}. [*Tha1-7A*{0091}]. CR5{0097}. (2D)(4A)(6B)(7A,7B,7D).
Xksu910(Tha1)-7B{0091}. [*Tha1-7B*{0091}]. CR5{0097}. (2D)(4A)(6B)(7A,7B,7D).
Xksu910(Tha1)-7D{0091}. [*Tha1-7D*{0091}]. CR5{0097}. (2D)(4A)(6B)(7A,7B,7D).
Xksu928(Chi1)-7B{0091}. [*Cht1b-7B*{0091}]. Barchi3{0096}. (7B,7D).
Xksu928(Chi1)-7D{0091}. [*Cht1b-7D*{0091}]. Barchi3{0096}. (7B,7D).
Xksu929(Cat)-7B{0091}. [*Cat-7B*{0091}]. 5C05D01{0094}. (7B).
XksuA1-7D{154}. [*XksuA1b-7D*{154}]. pTtksuA1{448}. (1B)(2D)(3B)(5B)(7D). Note:
   The arm location of *XksuA1-7D* in *Ae. tauschii* was not reported in {448}.
XksuA3-7B{154}. pTtksuA3{448}. (5A.1,5A.2,5B,5D)(7B).
XksuA5-7A{553}. 71.1. pTtksuA5. (7A,7D).
XksuA5-7D{448}. pTtksuA5. (7A,7D).
XksuB7-7B{553}[1]. pTtksuB7. (1D.1,1D.2,1D.3,1D.4)(3D)(5D)(7B,7D).
XksuB7-7D{448}[4],{553}[1]. pTtksuB7. (1D.1,1D.2,1D.3,1D.4)(3D)(5D)(7B,7D). The arm
   location of *XksuB7-7D* in *Ae. tauschii* was not reported in {448}.
XksuD2-7A{553}. pTtksuD2. (7A)(7B,7B.2)(7D).
XksuD2-7B{553}. pTtksuD2. (7A)(7B,7B.2)(7D).
XksuD2-7B.2 84.66. (7A)(7B,7B.2)(7D).
XksuD2-7D{553}. pTtksuD2. (7A)(7B,7B.2)(7D).
XksuD2b-7A 82.41. (7A).
XksuD6-7A{553}. pTtksuD6. (7A,7D).
XksuD6-7D{553}. pTtksuD6. (7A,7D).
XksuD7-7A{553}. pTtksuD7. (3D)(7A,7D).
XksuD9-7A.2{282}[3]. [*XksuD9-7A*{282}]. pTtksuD9{448}. (4A)(7A.1,7A.2,7B,7D.1,7D.2).
XksuD9-7B{553}[1]. pTtksuD9{448}. (4A)(7A.1,7A.2,7B,7D.1,7D.2).
XksuD9-7D.2{553}[1]. [*XksuD9-7D*{553}]. pTtksuD9{448}. (4A)(7A.1,7A.2,7B,7D.1,7D.2).
XksuD39-7A{553}. pTtksuD39. (7A,7B,7D).
XksuD39-7B{553}. pTtksuD39. (7A,7B,7D).
XksuD39-7D{553}. pTtksuD39. (7A,7B,7D).
XksuE3-7A{553}. pTtksuE3. (1A)(2A,2B,2D)(3A,3B)(4A)(6A,6D)(7A,7D,7D.4).
XksuE3-7D{1059}. pTtksuE3. (1A)(2A,2B,2D)(3A,3B)(4A)(6A,6D)(7A,7D,7D.4).
XksuE3-7D.4 240.96. (1A)(2A,2B,2D)(3A,3B)(4A)(6A,6D)(7A,7D,7D.4).
XksuE9-7D 163.67. (4D)(7D).
XksuE18-7A{282}[3]. pTtksuE18{448}. (1A,1B,1B.3,1D,1D.1,1D.2)(6B)(7A,7B,7B.1).
XksuE18-7B{1059}. pTtksuE18{448}. (1A,1B,1B.3,1D,1D.1,1D.2)(6B)(7A,7B,7B.1).
XksuE18-7B.1 93.22. (1A,1B,1B.3,1D,1D.1,1D.2)(6B)(7A,7B,7B.1).
XksuE19-7B{0242}. pTtksuE19. (1A,1B,1D)(6D)(7B).
XksuF2-7B{154}. pTtksuF2{448}.
   (2A,2D,2D.1,2D.2,2D.3,2D.4)(7B,7D.1,7D.2,7D.3,7D.4,7D.5).

XksuG7-7A{553}. pTtksuG7. (5A,5D.1,5D.2)(7A,7B,7D).
XksuG7-7B{553}. pTtksuG7. (5A,5D.1,5D.2)(7A,7B,7D).
XksuG7-7D{553}. pTtksuG7. (5A,5D.1,5D.2)(7A,7B,7D).
XksuG12-7B 51.81. (4A)(5D)(6B)(7A,7B,7D).
XksuG12-7A{553,154}[1]. [*XksuG12b-7A*{154}]. pTtksuG12. (4A)(5D)(6B)(7A,7B,7D).
    The arm location of *XksuG12-7D* in *Ae. tauschii* was not reported in {9926}.
XksuG12-7D{9926}[4]. [*XksuG12b-7A*{154}]. pTtksuG12. (4A)(5D)(6B)(7A,7B,7D). The
    arm location of *XksuG12-7D* in *Ae. tauschii* was not reported in {9926}.
XksuG12a-7A 60. (6B)(7A).
XksuG12b-7A 97. (4A)(7A).
XksuG12c-7A 137. (7A).
XksuG34-7A{553}. pTtksuG34. (1A,1B,1D)(7A,7B).
XksuG34-7B{553}. pTtksuG34. (1A,1B,1D)(7A,7B).
XksuG39-7A{553}[1]. pTtksuG39. (7A,7B,7D).
XksuG39-7B{553}[1]. pTtksuG39. (7A,7B,7D).
XksuG39-7D{448}[4],{553}[1]. pTtksuG39. (7A,7B,7D). The arm location of *XksuG39-7D* in
    Ae. tauschii was not reported in {448}.
XksuH1-7B{0152}. pTtksuH1. (7B).
XksuH8-7D{553}. pTtksuH8. (2D.1,2D.2)(3D)(4A)(5A,5B)(7A,7B,7D).
XksuH9-7A{1059}[1],{282}[3]. pTtksuH9{448}.
    (1A,1A.2,1B,1D)(2A,2D,2D.1,2D.2,2D.3)(4A)(5A)(7A).
XksuH9c-7A 93.66. (7A).
Xkvl917(Tha2)-7A{0091}. [*Tha2-7A*{0091}]. pBH72-C6{0092}. (4A)(7A,7B).
Xkvl917(Tha2)-7B{0091}. [*Tha2-7B*{0091}]. pBH72-C6{0092}. (4A)(7A,7B).
Xkvl927(Grp94)-7A.1{0091}. [*Grp94-7A.1*{0091}]. HvGRP94{0092}. (7A.1,7A.2,7B).
Xkvl927(Grp94)-7A.2{0091}. [*Grp94-7A.2*{0091}]. HvGRP94{0092}. (7A.1,7A.2,7B).
Xkvl927(Grp94)-7B{0091}. [*Grp94-7B*{0091}]. HvGRP94{0092}. (7A.1,7A.2,7B).
XM21P76-7A.12 119. (1A.5)(3B.3)(4A.4)(7A.12,7A.13,7A.6,7B.9).
XM21P76-7A.13 207. (1A.5)(3B.3)(4A.4)(7A.12,7A.13,7A.6,7B.9).
XM21P76-7A.6 142. (1A.5)(3B.3)(4A.4)(7A.12,7A.13,7A.6,7B.9).
XM21P76-7B.9 89. (1A.5)(3B.3)(4A.4)(7A.12,7A.13,7A.6,7B.9).
XM51P65-7A.7 168. (1A.5,1B.3)(2D.0)(4A.6)(5B.4)(6B.1)(7A.7).
XM62P64-7A.8 209. (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7A.8,7B.11,7B.2,7B.9,7D.6).
XM62P64-7B.11 89. (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7A.8,7B.11,7B.2,7B.9,7D.6).
XM62P64-7B.2 55.04. (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7A.8,7B.11,7B.2,7B.9,7D.6).
XM62P64-7B.9 91.99. (1A.5)(2A.3)(3B.7)(4B.4)(5D.9a)(7A.8,7B.11,7B.2,7B.9,7D.6).
XM65P64-7B.2 89.34. (1B.4)(3D.6)(4A.7,4B.8)(5A.9a,5B.8a)(6B.1,6B.10)(7A.2a,7B.2).
XM67P77-7A.4 119. (1B.5)(3B.3)(4A.6)(7A.4,7B.2).
XM71P77-7D.3 234.01. (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).
XM71P77-7D.7 240.04. (1A.5,1B.9)(3A.1,3D.4)(5A.8,5B.13)(7D.3,7D.7).
XM77P64-7B.12a 58.02. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
XM77P64-7B.12 83.93. (1A.13,1A.2)(2A.7)(3B.1,3B.5)(4A.6a)(5D.10,5D.8)(7B.12,7B.12a).
XM83P65-7B.7 87.32. (1A.1)(2A.2)(3B.10,3D.9)(7A.4,7B.7).
XM85P65-7A.1 101. (1B.5)(2A.4)(5A.0,5A.2)(6A.3,6B.6)(7A.1).
XM86P65-7B.0 86.08. (2B.1,2D.3)(3B.4)(6B.5)(7B.0).
Xmwg710-7B{0031}. [*Xmwg710a-7B*{0031}]. MWG710. (1A,1B,1D)(4A,4A.1)(7A,7B,7D).
Xmwg710a-7B 99.22. (4D)(7B).
Xmwg825-7A{282}[3]. MWG825{467}. (7A).
Xmwg938-7A{1059}. MWG938. (1B,1B.1,1B.2,1D)(7A).
Xmwg975-7D{1059}. 179.79. MWG975. (7D).
Xmwg2031-7A{282}[3]. MWG2031{467}. (7A).

Xmwg2062-7A{282}[3]. MWG2062{467}. (7A).
Xnpi454-7A{253}. Npi454. (7A,7B,7D).
Xnpi454-7B{253}. Npi454. (7A,7B,7D).
Xnpi454-7D{253}. Npi454. (7A,7B,7D).
XOA85-7A 96. (7A).
Xopa10-480-7A 114. (7A).
Xopag2-950-7B 80.36. (7B).
Xopag18-340-7B 50. (7B).
Xopz10-680-7B 52.67. (7B).
XP78M43-7B.14 95.19.
   (1B.7)(2A.8,2A.9)(3B.11,3D.13)(5A.10,5A.3,5A.9a)(6B.13)(7B.14,7D.5).
XP78M49-7A.2a 157. (3D.5)(4A.6)(5B.3)(7A.2a,7A.4,7A.7,7B.2).
XP78M49-7A.4 78. (3D.5)(4A.6)(5B.3)(7A.2a,7A.4,7A.7,7B.2).
XP78M49-7A.7 86. (3D.5)(4A.6)(5B.3)(7A.2a,7A.4,7A.7,7B.2).
XP78M49-7B.2 54.32. (3D.5)(4A.6)(5B.3)(7A.2a,7A.4,7A.7,7B.2).
XP78M59-7A.5 207. (2B.1)(3B.2,3D.3)(4A.6)(7A.5,7B.7).
XP78M59-7B.7 69.9. (2B.1)(3B.2,3D.3)(4A.6)(7A.5,7B.7).
XP78M63-7B.4 54.32. (2A.2)(6B.1,6B.3a)(7A.6,7B.4,7B.7).
XP78M63-7B.7 57.03. (2A.2)(6B.1,6B.3a)(7A.6,7B.4,7B.7).
XP78M68-7A.6 215. (2B.2,2B.3b)(7A.6).
XP78M71-7A.8 207. (1A.5)(2A.7,2B.1)(6B.3)(7A.8,7B.2,7B.6).
XP78M71-7B.6 90.99. (1A.5)(2A.7,2B.1)(6B.3)(7A.8,7B.2,7B.6).
Xpsp3001-7A.1{1425}. 207. PSP3001F/PSP3001R. (3B,3B.2)(7A.1,7A.2).
Xpsp3033-7B{151}. 75.63. PSP3033F/PSP3033R. (7B).
Xpsp3045-7D{151}. 183.46. PSP3045F/PSP3045R. (2A)(5B)(7D).
Xpsp3050-7A{151,1425}. 127. PSP3050F/PSP3050R. (7A).
Xpsp3078-7D{1425}. PSP3078F/PSP3078R. (3B)(4B)(7D).
Xpsp3081-7B{1425}. PSP3081F/PSP3081R. (7B).
Xpsp3094-7A 87.89. (7A,7A.1,7D.2).
Xpsp3094-7A.1{151,1425}. 202. PSP3094F/PSP3094R. (7A,7A.1,7D.2).
Xpsp3094-7D.2{1425}. 206.06. PSP3094F/PSP3094R. (7A,7A.1,7D.2).
Xpsp3123-7D{151,1425}. 170.49. PSP3123F/PSP3123R. (7D).
Xpsr3(a-Amy-2)-7A{784,179,180}. [*a-Amy2*{784}, *Xa-Amy-7A*{784,179,180}].
   4868{078},*Amy2*/46{579}. (7A,7B,7D).
Xpsr3(a-Amy-2)-7B{784,179,180}. [*a-Amy2*{784}, *Xa-Amy-7B*{784,179,180}].
   4868{078},*Amy2*/46{579}. (7A,7B,7D).
Xpsr3(a-Amy-2)-7D{784,179,180}. [*a-Amy2*{784}, *Xa-Amy-7D{784,179,180}*].
   4868{078},*Amy2*/46{579}. (7A,7B,7D).
Xpsr56(Caa)-7A{179,180,250}[b]. [*Xpsr56-7A*{179,180,250}]. PSR56.
   (3A,3B,3D)(7A,7B,7D).
Xpsr56(Caa)-7B{179,180,250}[b]. [*Xpsr56-7B*{179,180,250}]. PSR56.
   (3A,3B,3D)(7A,7B,7D).
Xpsr56(Caa)-7D{179,180,250}[b]. [*Xpsr56-7D*{179,180,250}]. PSR56.
   (3A,3B,3D)(7A,7B,7D).
Xpsr72-7A{179,180}. PSR72. (7A,7B,7D).
Xpsr72-7B{179,180}. PSR72. (7A,7B,7D).
Xpsr72-7D{179,180}. PSR72. (7A,7B,7D).
Xpsr105-7A{179,180}. PSR105. (7A,7B,7D).
Xpsr105-7B{179,180}. PSR105. (7A,7B,7D).
Xpsr105-7D{179,180}. PSR105. (7A,7B,7D).
Xpsr117-7A{179,180}. PSR117. (7A,7B,7D).

Xpsr117-7B{179,180}. PSR117. (7A,7B,7D).
Xpsr117-7D{179,180}. PSR117. (7A,7B,7D).
Xpsr121-7A 93.47. (7A).
Xpsr121(Glb3)-7A{180}. [*Xpsr121-7A*{180}, *XGlb3-7A*{249,410}]. PSR121{180}.
  (1A,1B,1D)(7A,7B,7D). The clones PSR121 and pLW2.1 (*Xwia482(Glb3)- 1A,B,D,
  7A,B,D*) detect the same locus {246}.
Xpsr121(Glb3)-7B{180}. [*Xpsr121-7B*{180}, *XGlb3-7B*{249,410}]. PSR121{180}.
  (1A,1B,1D)(7A,7B,7D). The clones PSR121 and pLW2.1 (*Xwia482(Glb3)- 1A,B,D,
  7A,B,D*) detect the same locus {246}.
Xpsr121(Glb3)-7D{180}. [*Xpsr121-7D*{180}, *XGlb3-7D*{249,410}]. PSR121{180}.
  (1A,1B,1D)(7A,7B,7D). The clones PSR121 and pLW2.1 (*Xwia482(Glb3)- 1A,B,D,
  7A,B,D*) detect the same locus {246}.
Xpsr129-7A{179,180,1329}. PSR129. (2A)(7A,7B,7D).
Xpsr129-7B{179,180,1329}. PSR129. (2A)(7A,7B,7D).
Xpsr129-7D{179,180,1329}. PSR129. (2A)(7A,7B,7D).
Xpsr129c-7B 78. (7B).
Xpsr148-7A 207. (7A).
Xpsr148(Cat0)-7A{249}[b]. [*Xpsr148-7A*{249}]. PSR148. (2A,2B,2D)(7A,7B,7D).
Xpsr148(Cat0)-7B{249}[b]. [*Xpsr148-7B*{249}]. PSR148. (2A,2B,2D)(7A,7B,7D).
Xpsr148(Cat0)-7D{249}[b]. [*Xpsr148-7D*{249}]. PSR148. (2A,2B,2D)(7A,7B,7D).
Xpsr165(Sdh)-7A{179,180}[b]. [*Xpsr165-7A*{179,180}, *Xpsr165-7B*{179,180}, *Xpsr165-
  7D*{179,180}]. PSR165. (7A,7B,7D).
Xpsr165(Sdh)-7B{179,180}[b]. [*Xpsr165-7B*{179,180}, *Xpsr165-7B*{179,180}, *Xpsr165-
  7D*{179,180}]. PSR165. (7A,7B,7D).
Xpsr165(Sdh)-7D{179,180}[b]. [*Xpsr165-7D*{179,180}, *Xpsr165-7B*{179,180}, *Xpsr165-
  7D*{179,180}]. PSR165. (7A,7B,7D).
Xpsr169(Caa)-7A{179,180}[b]. [*Xpsr169-7A*{179,180}, *Xpsr169-7B*{179,180}, *Xpsr169-
  7D*{179,180}]. PSR169. (7A,7B,7D).
Xpsr169(Caa)-7B{179,180}[b]. [*Xpsr169-7B*{179,180}, *Xpsr169-7B*{179,180}, *Xpsr169-
  7D*{179,180}]. PSR169. (7A,7B,7D).
Xpsr169(Caa)-7D{179,180}[b]. [*Xpsr169-7D*{179,180}, *Xpsr169-7B*{179,180}, *Xpsr169-
  7D*{179,180}]. PSR169. (7A,7B,7D).
Xpsr303-7A{410}. PSR303. (7A,7B,7D).
Xpsr303-7B{553}. PSR303. (7A,7B,7D).
Xpsr303-7D{553}. PSR303. (7A,7B,7D).
Xpsr311-7A{1234}. PSR311. (3A)(7A,7B,7D).
Xpsr311-7B{1234}. PSR311. (3A)(7A,7B,7D).
Xpsr311-7D{1234}. PSR311. (3A)(7A,7B,7D).
Xpsr311a-7A 67.13. (7A).
Xpsr340-7A{179}. PSR340. (7A,7B,7D).
Xpsr340-7B{179}. PSR340. (7A,7B,7D).
Xpsr340-7D{179}. PSR340. (7A,7B,7D).
Xpsr350-7B{496}. 54.53. PSR350. (7B,7D).
Xpsr350-7D{496}. PSR350. (7B,7D).
Xpsr389-7A{410}. PSR389. (7A,7B,7D).
Xpsr389-7B{410}. PSR389. (7A,7B,7D).
Xpsr389-7D{410}. PSR389. (7A,7B,7D).
Xpsr476(Gapd2)-7A{178}. [*XGapd2-7A*]. pZm9{138}. (7A,7B,7D[*]).
Xpsr476(Gapd2)-7B{178}. [*XGapd2-7B*]. pZm9{138}. (7A,7B,7D[*]).
Xpsr476(Gapd2)-7D[*]{178}. [*XGapd2-7D*]. pZm9{138}. (7A,7B,7D[*]).
Xpsr514-7D{553}. PSR514. (7D).

Xpsr547-7A{1234}. PSR547. (1D)(3B)(7A,7B,7D).
Xpsr547-7B{1234}. 89.97. PSR547. (1D)(3B)(7A,7B,7D).
Xpsr547-7D{1234}. PSR547. (1D)(3B)(7A,7B,7D).
Xpsr548-7D{553}. PSR548. (7D).
Xpsr560-7D{553}. PSR560. (7D).
Xpsr593-7B{256}. PSR593. (1B)(2B)(4A.2,4B)(7B).
Xpsr593c-7B 61.91. (7B).
Xpsr648-7D{410}. PSR648. (1B)(4A)(7A,7D).
Xpsr680-7A{410}. PSR680. (2D)(7A,7B,7D).
Xpsr680-7B{410}. PSR680. (2D)(7A,7B,7D).
Xpsr680-7D{410}. PSR680. (2D)(7A,7B,7D).
Xpsr680a-7A 93.29. (7A).
Xpsr681-7B{256}. PSR681. (2A,2B,2D)(6D)(7B).
Xpsr687-7A{256}. PSR687. (2A,2B,2D)(7A,7B,7D).
Xpsr687-7B{256}. PSR687. (2A,2B,2D)(7A,7B,7D).
Xpsr687-7D{256}. PSR687. (2A,2B,2D)(7A,7B,7D).
Xpsr687b-7A 223. (7A).
Xpsr690-7A{1234}. PSR690. (7A,7B,7D).
Xpsr690-7B{1234}. 48. PSR690. (7A,7B,7D).
Xpsr690-7D{1234}. PSR690. (7A,7B,7D).
Xpsr743-7A{553}. PSR743. (7A,7B).
Xpsr743-7B{553}. PSR743. (7A,7B).
Xpsr803(Fed)-7A{194,496}. [*XFed-7A*]. pFed{194}. (7A,7B,7D*).
Xpsr803(Fed)-7B{194,496}. [*XFed-7B*]. pFed{194}. (7A,7B,7D*).
Xpsr803(Fed)-7D*{194,496}. [*XFed-7D*]. pFed{194}. (7A,7B,7D*).
Xpsr804(Sbp)-7B{251,250}. [*XSbp-7B*]. S9.2{1188}. (2B.1,2B.2)(3A,3B,3D)(7B).
Xpsr927-7B{1181},{0031}. [*Xpsr927.1*{1181}]. 51. PSR927. (4A,4A.2,4D)(7B). The arm location of *Xpsr927-7B* was not reported in {1181}.
Xpsr946-7D.3{256}. [*Xpsr946-7D(2)*]. PSR946.
   (1D)(2D)(3A)(5D)(7A.1,7A.2,7D.1,7D.2,7D.3).
Xpsr952-7A 76. (7A,7B).
Xpsr965-7A{249}. PSR965. (7A,7B,7D).
Xpsr965-7B{249}. PSR965. (7A,7B,7D).
Xpsr965-7D{249}. PSR965. (7A,7B,7D).
Xpsr1923-7B{410}. PSR1923. (2B)(3B)(7B).
Xpsr1954(Tha)-7A{410}. pBD12b{469}. (7A,7B,7D).
Xpsr1954(Tha)-7B{410}. pBD12b{469}. (7A,7B,7D).
Xpsr1954(Tha)-7D{410}. pBD12b{469}. (7A,7B,7D).
Xpur1-7A{0323}. [*STS637-7A*{0323}]. STS638-L/STS638-R{570}. (7A).
Xpwir232b-7A 223. (7A).
Xra1-350-7A 119. (7A).
Xra1-670-7A 122. (7A).
Xrgc607-7A{0323}. [*C607-7A*{0323}]. RGC607. (7A).
Xrgs11239-7A{0323}. [*S11239-7A*{0323}]. RGS11239. (7A).
Xrsq805(Embp)-7D{248,410}. [*XEmbp-7D*]. pGC19{471}.
   (2B)(3B)(5A,5B,5D)(6A,6B)(7D).
Xrz476-7B{1059}. 50. RZ476. (6B)(7B).
Xrz508-7A 120.36. (7A,7A.1,7A.2,7B).
Xrz508-7A.1{0269}^{2}. [*Xrz508a-7A*{0269}^{2}]. RZ508. (7A,7A.1,7A.2,7B).
Xrz508-7A.2{0269}^{2}. [*Xrz508b-7A*{0269}^{2}]. RZ508. (7A,7A.1,7A.2,7B).
Xrz508-7B{1059}. 109.56. RZ508. (7A,7A.1,7A.2,7B).

Xrz682-7A{1059}. 182. RZ682. (7A).
Xrz884-7A{0323}. [*RZ884-7A*{0323}]. RZ884. (7A).
Xsfr325-7A{0323}. [*325D4L-7A*{0323}]. 325D4L. (7A).
Xsfr.BF475036-7A 111. (7A).
Xtam50-7B{1059}. TAM50{245}. (2A,2B,2D)(7B).
Xtam51-7A{245,154}. TAM51. (4A,4B)(7A). The arm location of *Xtam51-7A* was not
    reported in {245}.
Xtam51a-7A 78.32. (7A).
Xubp2-7A{410}. pTdubp2. (7A,7B,7D).
Xubp2-7B{410}. pTdubp2. (7A,7B,7D).
Xubp2-7D{410}. pTdubp2. (7A,7B,7D).
Xubp9-7A{410}. pTdubp9. (7A,7B,7D).
Xubp9-7B{410}. pTdubp9. (7A,7B,7D).
Xubp9-7D{410}. pTdubp9. (7A,7B,7D).
Xubp18-7B{9959}[2]. UBP18. (7B).
Xucd110(Esi2)-7A.2{282}[3]. [*XEsi2-7A.2*{278}]. pESI2{472}. (7A.2).
Xumc114-7A{253}. UMC114. (6A,6B,6D)(7A,7B,7D).
Xumc114-7B{253}. UMC114. (6A,6B,6D)(7A,7B,7D).
Xumc114-7D{253}. UMC114. (6A,6B,6D)(7A,7B,7D).
Xutv147-7B{9959}[2]. UTV147. (7B).
Xutv507-7B{0269}[2]. UTV507. (7B).
Xutv809-7A{9959}[2]. UTV809. (7A).
Xutv914-7A{9959}[2]. UTV914. (7A).
Xutv934-7A{9959}[2]. UTV934. (7A,7B).
Xutv934-7B{9959}[2]. UTV934. (7A,7B).
Xutv1110-7B{0269}[2]. UTV1110. (7A,7B).
Xutv1199-7A{9959}[2]. UTV1199. (7A).
Xutv1267-7B{0269}[2]. UTV1267. (7A,7B).
Xutv1518-7A{9959}[2]. UTV1518. (1A,1B,1D)(7A).
Xutv1521-7A{0269}[2]. UTV1521. (7A).
Xutv1531-7A{9959}[2]. UTV1531. (7A).
XWB108g-7A 123. (7A).
XWB174ha-7A 109. (7A).
XWC2028g-7A 74. (7A).
Xwg23-7A.6 160. (7A.6).
Xwg180-7B.2{553}. [*Xwg180b*{553}]. WG180. (1A,1B)(4B)(7B.1,7B.2).
Xwg180b-7B 60.1. (7B).
Xwg232-7A{154}. [*Xwg232a-7A*{154}]. WG232{545}.
  (1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).
Xwg232-7B{0242}. [*Xwg232a-7B*{0242}]. WG232{545}.
  (1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).
Xwg232a-7A 88.68. (7A,7B).
Xwg232a-7B 96.03. (7A,7B).
Xwg241-7D{0354}. [*Xwg241a-7D*{0354}]. WG241. (1A,1B,1D)(6B)(7D).
Xwg341-7A{553}. WG341. (5A,5D)(6B,6B.1,6B.2,6B.3)(7A,7B,7D).
Xwg341-7B{553}. WG341. (5A,5D)(6B,6B.1,6B.2,6B.3)(7A,7B,7D).
Xwg341-7D{553}. WG341. (5A,5D)(6B,6B.1,6B.2,6B.3)(7A,7B,7D).
Xwg380-7A{553}. WG380. (7A,7B,7D).
Xwg380-7B{553}. WG380. (7A,7B,7D).
Xwg380-7D{553}. WG380. (7A,7B,7D).
Xwg420-7A{282}[3]. WG420{028}. (5D.1,5D.2)(7A,7B,7D).

Xwg420-7B{0242}[1]. 100.83. WG420{028}. (5D.1,5D.2)(7A,7B,7D).
Xwg420-7D{1059}[1]. 192.52. WG420{028}. (5D.1,5D.2)(7A,7B,7D).
Xwg420a-7A 103.59. (7A).
Xwg466-7B{553}. WG466. (7A,7B,7D).
Xwg466-7D{553}. WG466. (7A,7B,7D).
Xwg514-7A{0354}. 69.4. WG514. (7A,7B).
Xwg514-7B{1059}. 51.9. WG514. (7A,7B).
Xwg686-7A.1{553}. [*Xwg686-7Aa*{553}]. WG686. (7A.1,7A.2,7B,7B.1,7B.2,7D.2).
Xwg686-7A.2{553}. [*Xwg686-7Ab*{553}]. WG686. (7A.1,7A.2,7B,7B.1,7B.2,7D.2).
Xwg686-7B 59.11. (7A.1,7A.2,7B,7B.1,7B.2,7D.2).
Xwg686-7B.1{553}. [*Xwg686-7Ba*{553}]. WG686. (7A.1,7A.2,7B,7B.1,7B.2,7D.2).
Xwg686-7B.2{553}. [*Xwg686-7Bb*{553}]. WG686. (7A.1,7A.2,7B,7B.1,7B.2,7D.2).
Xwg686-7D.2{553}. [*Xwg686-7Db*{553}]. WG686. (7A.1,7A.2,7B,7B.1,7B.2,7D.2).
Xwg719-7A{553}. WG719. (7A,7B,7D).
Xwg719-7B{553}. WG719. (7A,7B,7D).
Xwg719-7D{553}. 144.73. WG719. (7A,7B,7D).
Xwhs178-7A{0323}. [*WHS178-7A*{0323}]. WHS178. (7A).
Xwia482(Glb3)-7A{249,496}. [*XGlb3-7A*{249,410}]. pLW2.1{833}.
   (1A,1B,1D)(7A,7B,7D). The clones pLW2.1 and PSR121 detect the same locus {246}.
Xwia482(Glb3)-7B{249,496}. [*XGlb3-7B*{249,410}]. pLW2.1{833}.
   (1A,1B,1D)(7A,7B,7D). The clones pLW2.1 and PSR121 detect the same locus {246}.
Xwia482(Glb3)-7D{249,496}. [*XGlb3-7D*{249,410}]. pLW2.1{833}.
   (1A,1B,1D)(7A,7B,7D). The clones pLW2.1 and PSR121 detect the same loci {246}.
Xwmc9-7A 128. (7A).
Xwmc10a-7B 91.84. (7B).
Xwmc14-7D{0242}. [*Xwmc014-7D*{0242}]. WMC 14F/WMC 14R. (7D).
Xwmc17-7B 50.67. (7A,7B).
Xwmc17a-7A 67.61. (7A).
Xwmc17b-7A 89.26. (7A).
Xwmc70-7B 91.16. (7B).
Xwmc83-7A{0153},{0242}. 78.45. WMC 83F/WMC 83R{0161}. (7A).
Xwmc83a-7A 66. (7A).
Xwmc83b-7A 94. (7A).
Xwmc94-7D{0242,0348}. [*Xwmc094-7D*{0242}]. WMC 94F/WMC 94R. (7D).
Xwmc107-7A 128. (7A).
Xwmc116-7A{0242}. 179. WMC 116F/WMC 116R. (7A).
Xwmc150g-7D 151.73. (7D).
Xwmc157-7D{0242}. 217.46. WMC 157F/WMC 157R. (7D).
Xwmc166-7B{0348}. 109.4. WMC 166F/WMC 166R. (2D)(7B).
Xwmc182d-7A 59.21. (7A).
Xwmc232-7B.2 113.45. (4A)(7B.2).
Xwmc247-7A{0242}. 67.5. WMC 247F/WMC 247R. (5B)(7A).
Xwmc261e-7B 126.28. (7B).
Xwmc269-7B.2 48. (7B.2).
Xwmc273-7A{0348}. WMC 273F/WMC 273R. (7A,7A.2,7A.3,7D.1).
Xwmc273-7A.2 206. (7A,7A.2,7A.3,7D.1).
Xwmc273-7A.3 89.51. (7A,7A.2,7A.3,7D.1).
Xwmc273-7D.1 229.36. (7A,7A.2,7A.3,7D.1).
Xwmc273c-7B 88.8. (7B).
Xwmc276-7B{0348}. 108.04. WMC 276F/WMC 276R. (7B).
Xwmc283-7A{0242}. 58.08. WMC 283F/WMC 283R. (7A,7A.1).

Xwmc283-7A.1 63. (7A,7A.1).
Xwmc286-7A.4 140. (1A.5)(3A.2)(7A.4).
Xwmc311-7B 95.21. (7B).
Xwmc322-7B 102.3. (3B)(7B).
Xwmc346-7A{0242}. WMC 346F/WMC 346R. (7A).
Xwmc396-7B 51. (7B).
Xwmc405-7A.1 97. (7A,7A.1,7D).
Xwmc422-7A 132. (7A).
Xwmc517-7B 69.55. (7B).
Xwmc526-7B 91.84. (7B).
Xwmc540b-7B 64.15. (7B).
Xwye1958(Adpg3)-7A{410}. pAGP-S2{011}. (7A,7B,7D).
Xwye1958(Adpg3)-7B{410}. pAGP-S2{011}. (7A,7B,7D).
Xwye1958(Adpg3)-7D{410}. pAGP-S2{011}. (7A,7B,7D).

31. Group 7

P34/M50-14-7D 128.54. (7D).
S24M20_11-7D 129.9. (7D).
Xabc158b-7A 44. (7A).
Xabgp58-7B{339}. ABG058F/ABG058R. (2B)(5B)(7B).
Xabgp618-7D{339}. ABG618F/ABG618R. (4A)(7D).
Xabgp701-7A{339}. ABG701F/ABG701R. (7A,7B).
Xabgp701-7B{339}. ABG701F/ABG701R. (7A,7B).
XAWM017-7D 124.1. (7D).
Xbarc26-7D 130.04. (7D).
Xbcd07-7B{0242}. BCD. (7B).
Xbcd100-7A 40.71. (7A).
Xbcd410-7D{9926}[4]. BCD410. (2A,2A.1,2B,2D)(7D).
Xbcd1066a-7A 45. (7A).
Xcdo669-7A{9926}[4]. CDO669. (2B)(4A,4B,4D)(7A).
Xcdo675-7D{9926}[4]. CDO275. (1D)(2D)(7D).
Xcdo786-7D{9926}[4]. CDO786. (5A,5D)(7D).
Xcdop213-7D{339}. CDO213F/CDO213R. (4B)(7D).
Xcfa2028-7A 40. (7A,7B).
Xcfa2056a-7A 46.74. (7A).
Xcfa2099b-7D 135.4. (7D).
Xcfd14-7D{0349}. 129.94. CFD 14F/CFD 14R. (7D).
Xcfd21-7D{0349}. CFD 21F/CFD 21R. (7D).
Xcfd62-7A{0349}. CFD 62F/CFD 62R. (2D)(7A).
Xcfd69-7D{0349}. CFD 69F/CFD 69R. (7D).
Xcfd74-7B{0349}. CFD 74F/CFD 74R. (5D)(7B).
Xcmwg669-7D{9926}[4]. cMWG669. (6A,6B,6D)(7D).
Xcmwg703-7D.1{9926}[4]. cMWG703. (7D.1,7D.2,7D.3).
Xcmwg703-7D.2{9926}[4]. cMWG703. (7D.1,7D.2,7D.3).
Xcmwg703-7D.3{9926}[4]. cMWG703. (7D.1,7D.2,7D.3).
Xcsih60-7D{757}[4]. [*XcsIH60-1*{757}]. csIH60-1{757}. (7D).
XcsSR3(Gsp)-7D{757}[4]. [*Xgsp-7D*{757}]. pGsp{757}. (1D)(5A,5B,5D)(7D).
XDuPw254-7A{0366}. DUPW 254F/DUPW 254R. (7A).
XDuPw398-7B{0366}. DUPW 398F/DUPW 398R. (7B).
Xfba248-7A{1059}. 47.11. FBA248. (4B)(7A,7B).
Xfba337a-7A 48. (7A).

Xfbb79-7A{154}. 45.05. FBB079. (7A,7D).

Xfbb222-7A{154}. 41.21. FBB222. (6D)(7A).

Xgbx3480a-7A 47. (4A)(7A).

XgbxG161-7B{0354}. [*XgbxG161b-7B*{0354}]. gbxG161. (7B,7D).

XgbxG161-7D{9958}. gbxG161. (7B,7D).

XgbxR53-7A{0354}. [*XgbxR053b-7A*{0354}]. gbxR053. (7A).

Xgdm142-7D{0173}. DMS F142/DMS R142. (7D).

Xgdm152-7A{0173}. DMS F152/DMS R152. (7A).

Xglk172-7A{822}. [*Xglk172b*{822}]. pTag172. (6A)(7A,7B).

Xglk172-7B{822}. [*Xglk172c*{822}]. pTag172. (6A)(7A,7B).

Xglk184-7D(1){822}. [*Xglk184a*{822}]. pTag184. (7A,7D,7D(1),7D(2)).

Xglk184-7D(2){822}. [*Xglk184b*{822}]. pTag184. (7A,7D,7D(1),7D(2)).

Xglk341-7A{822}. [*Xglk341b*{822}]. pTag341. (7A,7D).

Xglk341-7D{822}. [*Xglk341a*{822}]. pTag341. (7A,7D).

Xglk349-7B{822}. pTag349. (7B).

Xglk356-7B{822}[1]. pTag356. (7A,7B,7D).

Xglk356-7D{9926}[4]. pTag356. (7A,7B,7D).

Xglk549-7A{1034}. [*Xglk549a*{822}]. pTag549. (1A,1B)(7A,7B).

Xglk558-7D{9926}[4]. pTag558. (1B,1D)(2B,2D)(3D)(5D)(6D)(7D).

Xglk573-7D{9926}[4]. pTag573. (6D.1,6D.2)(7D).

Xglk764-7D {9926}[4]. pTag764. (1B)(7D).

Xgwm260-7A{724},{0035}[2]. WMS 260F/WMS 260R. (7A).

Xgwm361-7B{0171}. [*Xgwm361a-7B*{0171}, *Xgwm361b-7B*{0171}]. WMS F361/WMS
  R361. (6B)(7B).

Xgwm376-7A{0171}. [*Xgwm376c-7A*{0171}]. WMS F376/WMS R376. (1A)(3B)(7A).

Xgwm601-7A{0171}. [*Xgwm601b-7A*{0171}]. WMS F601/WMS R601. (4A)(7A).

Xgwm644-7B{9929}. WMS F644/WMS R644. (6B)(7B,7B.2).

Xipk3(Mtase)-7A{723}. [*Xmtase*{723}]. Mtase. (7A,7B,7D).

Xipk3(Mtase)-7B{723}. [*Xmtase*{723}]. Mtase. (7A,7B,7D).

Xipk3(Mtase)-7D{723}. [*Xmtase*{723}]. Mtase. (7A,7B,7D).

Xksu1-32-4-7D{9926}[4]. [*Xksu32-4-7D*{9926}]. pTtksu1-32-4. (3D)(6D)(7D).

Xksu7-7D{9926}[4]. pHvksu7{9928}. (7D).

Xksu921(Mpc1)-7D{0091}. [*Mpc1-7D*{0091}]. c1{0094}. (5A)(7D).

XksuD7-7D{448}[4]. pTtksuD7. (3D)(7A,7D).

XksuD10-7D{448}. pTtksuD10. (7D).

XksuD25-7D{448}. pTtksuD25. (7D).

XksuD46-7D{448}. pTtksuD46. (7D).

XksuE7-7D{448}. pTtksuE7. (2B)(7D).

XksuF2-7D.1{448}. [*XksuF2(A)*{448}]. pTtksuF2.
  (2A,2D,2D.1,2D.2,2D.3,2D.4)(7B,7D.1,7D.2,7D.3,7D.4,7D.5).

XksuF2-7D.2{448}. [*XksuF2(B)*{448}]. pTtksuF2.
  (2A,2D,2D.1,2D.2,2D.3,2D.4)(7B,7D.1,7D.2,7D.3,7D.4,7D.5).

XksuF2-7D.3{448}. [*XksuF2(C)*{448}]. pTtksuF2.
  (2A,2D,2D.1,2D.2,2D.3,2D.4)(7B,7D.1,7D.2,7D.3,7D.4,7D.5).

XksuF2-7D.4{448}. [*XksuF2(D)*{448}]. pTtksuF2.
  (2A,2D,2D.1,2D.2,2D.3,2D.4)(7B,7D.1,7D.2,7D.3,7D.4,7D.5).

XksuF2-7D.5{448}. [*XksuF2(E)-7D*{448}]. pTtksuF2.
  (2A,2D,2D.1,2D.2,2D.3,2D.4)(7B,7D.1,7D.2,7D.3,7D.4,7D.5).

XksuF24-7D{448}. pTtksuF24. (6B,6D)(7D).

XksuF36-7D{9926}[4]. pTtksuF36. (2D)(4A)(6D)(7D).

XksuG1-7D{9926}[4]. pTtksuG1. (7D).

XksuG49-7D.1{9926}[4]. pTtksuG49. (2D.1,2D.2,2D.3,2D.4)(4A)(6A)(7D.1,7D.2,7D.3).
XksuG49-7D.2{9926}[4]. pTtksuG49. (2D.1,2D.2,2D.3,2D.4)(4A)(6A)(7D.1,7D.2,7D.3).
XksuG49-7D.3{9926}[4]. pTtksuG49. (2D.1,2D.2,2D.3,2D.4)(4A)(6A)(7D.1,7D.2,7D.3).
XksuG55-7A{282}[3]. pTtksuG55{448}. (1D,1D.1,1D.2)(2D)(4D)(7A).
XksuH8-7A{282}[3],{553}. pTtksuH8{448}. (2D.1,2D.2)(3D)(4A)(5A,5B)(7A,7B,7D).
XksupD2-7A{339}. KSUD2F/KSUD2R. (7A,7B,7D).
XksupD2-7B{339}. KSUD2F/KSUD2R. (7A,7B,7D).
XksupD2-7D{339}. KSUD2F/KSUD2R. (7A,7B,7D).
XksupD15-7B{339}. KSUD15F/KSUD15R. (1D)(5B,5D)(7B,7D).
XksupD15-7D{339}. KSUD15F/KSUD15R. (1D)(5B,5D)(7B,7D).
XksupE8-7D{339}. KSUE8F/KSUE8R. (2B)(4D)(6B)(7D).
XksupG49-7D{339}. KSUG49F/KSUG49R. (4A)(7D).
Xmst101-7D{0032}. MST F101/MST R101{0038}. (7D).
Xmwg539-7D{9926}[4]. MWG539. (1A,1B,1D)(7D).
Xmwg573-7D.1{9926}[4]. [*Xmwg537-7D.1*{9926}]. MWG573.
    (6A.1,6A.2,6B,6D)(7D.1,7D.2).
Xmwg573-7D.2{9926}[4]. [*Xmwg537-7D.1*{9926}]. MWG573.
    (6A.1,6A.2,6B,6D)(7D.1,7D.2).
Xmwg634-7D{9926}[4]. MWG634. (4A,4A.2,4B,4D)(7D).
Xmwg704-7D{9926}[4]. MWG704. (7D).
Xnpi416-7A{253}. Npi416. (7A).
Xpsp3003-7D{151}. PSP3003F/PSP3003R. (1A)(5A)(7D).
Xpsp3013-7B{151}. PSP3013F/PSP3013R. (7B).
Xpsp3034-7B{151}. PSP3034F/PSP3034R. (2B)(7B).
Xpsp3063-7A{151}. PSP3063F/PSP3063R. (7A).
Xpsp3070-7D{151}. PSP3070F/PSP3070R0. (6A)(7D).
Xpsp3082-7A{151}. PSP3082F/PSP3082R. (7A).
Xpsp3119-7B{151}. PSP3119F/PSP3119R. (4A)(7B).
Xpsr141-7D{9926}[4]. PSR141. (7D).
Xpsr172(Lhcb1)-7A{1392}. PSR172. (1A)(2B)(5A,5B,5D)(7A,7B,7D).
Xpsr172(Lhcb1)-7B{1392}. PSR172. (1A)(2B)(5A,5B,5D)(7A,7B,7D).
Xpsr172(Lhcb1)-7D{1392}. PSR172. (1A)(2B)(5A,5B,5D)(7A,7B,7D).
Xpsr386-7A{1181}. [*Xpsr386.2*{1181}]. PSR386.
    (1A,1A.1)(2A)(3B,3B.4)(5A,5A.3)(7A,7A.2).
Xpsr487(C1)-7D{253}. pEco1.0{213}. (7D).
Xrgc975-7A{739}. RGC975. (5A,5B,5D)(7A,7B,7D).
Xrgc975-7B{739}. RGC975. (5A,5B,5D)(7A,7B,7D).
Xrgc975-7D{739}. RGC975. (5A,5B,5D)(7A,7B,7D).
Xrgr662-7A{739}. RGR662. (1A,1B,1D)(7A,7B,7D).
Xrgr662-7B{739}. RGR662. (1A,1B,1D)(7A,7B,7D).
Xrgr662-7D{739}. RGR662. (1A,1B,1D)(7A,7B,7D).
XSbeI-7A{1184}. wSBE I-D2 clone 7.8. (7A,7B,7D[*]).
XSbeI-7B{1184}. wSBE I-D2 clone 7.8. (7A,7B,7D[*]).
XSbeI-7D[*]{1184}. wSBE I-D2 clone 7.8. (7A,7B,7D[*]).
Xscu55-7D{0368}. [*55-TH.2e7-7D*{0368}]. 55-TH.2e7 F/R. (7D).
Xstm337-7B{0242}. [*Xstm337b-7B*{0242}]. STM 337F/STM 337R. (5A)(7B).
Xstm764-7A{0242}. [*Xstm764a-7A*{0242}]. STM 764F/STM 764R. (7A).
Xtam4-7A{245}. TAM4. (7A,7B).
Xtam4-7B{245}. TAM4. (7A,7B).
Xtam45-7A{245}. TAM45. (7A,7B,7D).
Xtam45-7B{245}. TAM45. (7A,7B,7D).

Xtam45-7D{245}. TAM45. (7A,7B,7D).
Xtam46-7B{245}. TAM46. (2A)(7B).
Xtam58-7B{245}. TAM58. (2D)(7B).
Xtam62-7A{245}. TAM62. (7A,7B).
Xtam62-7B{245}. TAM62. (7A,7B).
Xtam64-7A{245}. TAM64. (7A,7B,7D).
Xtam64-7B{245}. TAM64. (7A,7B,7D).
Xtam64-7D{245}. TAM64. (7A,7B,7D).
Xtam65-7A{245}. TAM65. (1B)(2A)(3B)(4A)(7A,7D).
Xtam65-7D{245}. TAM65. (1B)(2A)(3B)(4A)(7A,7D).
Xtam69-7A{245}. TAM69. (7A,7B,7D).
Xtam69-7B{245}. TAM69. (7A,7B,7D).
Xtam69-7D{245}. TAM69. (7A,7B,7D).
Xumc81-7A{253}. UMC81. (1B)(5A,5B,5D)(7A,7B,7D).
Xumc81-7B{253}. UMC81. (1B)(5A,5B,5D)(7A,7B,7D).
Xumc81-7D{253}. UMC81. (1B)(5A,5B,5D)(7A,7B,7D).
Xumc113-7A{253}. UMC113. (7A,7B,7D).
Xumc113-7B{253}. UMC113. (7A,7B,7D).
Xumc113-7D{253}. UMC113. (7A,7B,7D).
Xumc207(Ss1)-7A{253}. UMC207{Sh1}. (7A,7B,7D).
Xumc207(Ss1)-7B{253}. UMC207{Sh1}. (7A,7B,7D).
Xumc207(Ss1)-7D{253}. UMC207{Sh1}. (7A,7B,7D).
Xutv1110-7A{9959}[2]. UTV1110. (7A,7B).
Xutv1267-7A{9959}[2]. UTV1267. (7A,7B).
XWB026u-7D 124.1. (7D).
XWB128ib-7D 124.1. (7D).
XWC0014u-7D 124.1. (7D).
Xwg232-7A.1{1181}. WG232.
(1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).
Xwg232-7A.2{1181}. [*Xwg232.6*{1181}]. WG232.
(1A)(4A,4A.7,4B)(5A,5A.1,5A.2,5A.3,5B,5B.2,5D)(6B)(7A,7A.1,7A.2,7B).
Xwg466-7A{553}. 47.64. WG466. (7A,7B,7D).
Xwg687-7D{9926}[4]. WG687. (7D).
Xwg710-7D{9926}[4]. WG710. (7D).
Xwgp232-7A{339}. WG232F/WG232R. (4A,4D)(6B)(7A).
Xwmc47-7A{0153}. WMC 47F/WMC 47R{0154}. (7A).
Xwmc216-7B{0153}. WMC 216F/WMC216R{0158}. (5A.3eb)(7B).
Xwmc221-7D 129.1. (7D).
Xwmc364-7B{0242}. WMC 364F/WMC 364R. (7B).
Xwmc402-7B{0242}. WMC 402F/WMC 402R. (7B).
Xwmc473c-7D 126.51. (7D).