

Move cursor over 'Search' on home page Navigation Bar and select 'Markers' from the drop-down menu:

- **All markers**
 - A. *Search for marker source information*
A table of markers listed with source information such as source sequence, source germplasm, etc.
 - B. *Search for mapped markers*
A table of all markers listed by marker name with marker type, locus name, and map information.
 - C. *Search markers on nearby loci.*
Displays a list of all loci that are within a specified distance of the particular locus on any map.
 - D. *Advanced Marker Search*
Search markers in either a combination of type, species, mapped species, or restricted by genome or genetic map location.
- **Mapped markers with sequences**
 - E. *Browse or search by map name*
A table listed by map name, followed by Linkage Group name, Locus and position on map, Marker and sequence name.
 - F. *Browse or search by chromosome number*
A table listed by chromosome number (AD_chr.07, A_chr.01, D_chr13, etc.) with the same contents as that of E.
 - G. *Browse or search by Genome Group*
A table listed by Genome Group (AD, A, D, etc.) with the same contents as that of E.

A. Search for Marker Source Information web interface

The result table shows marker name, type, marker source sequence and molecule type, DNA library, source germplasm and species. The **default result is the table of all markers**.

Search can be restricted by source molecule, germplasm, or marker type

To run a search, click HERE

Clicking on a column head will resort the result table by the clicked column

To download result table, click HERE

Marker Source Information

Source sequence Source molecule type --Any-- Source germplasm --Any-- Marker type --Any--

56,934 records were returned. [Download the results](#)

Marker Name	Marker Type	Source Sequence	Sequence Molecule Type	DNA Library	Source Germplasm	Source Species
CM0017	SSR	CM0017=JESPR0214	genomic	15-20 DAA bolls from irrigated plants	Coker 312	Gossypium hirsutum
CM0014	SSR	CM0014	genomic	15-20 DAA bolls from irrigated plants	Coker 312	Gossypium hirsutum
CM0013	SSR	CM0013	genomic	15-20 DAA bolls from irrigated plants	Coker 312	Gossypium hirsutum
CM0012	SSR	CM0012	genomic	15-20 DAA bolls from irrigated plants	Coker 312	Gossypium hirsutum
CM0010	SSR	CM0010	genomic	15-20 DAA bolls from irrigated plants	Coker 312	Gossypium hirsutum
CM0008	SSR	CM0008=JESPR0209	genomic	15-20 DAA bolls from irrigated plants	Coker 312	Gossypium hirsutum
CM0007	SSR	CM0007=JESPR0208	genomic	15-20 DAA bolls from irrigated plants	Coker 312	Gossypium hirsutum
CM0006	SSR	CM0006	genomic	15-20 DAA bolls from irrigated plants	Coker 312	Gossypium hirsutum
CM0005	SSR	CM0005	genomic	15-20 DAA bolls from irrigated plants	Coker 312	Gossypium hirsutum
CM0004	SSR	CM0004	genomic	15-20 DAA bolls from irrigated plants	Coker 312	Gossypium hirsutum
CM0003	SSR	CM0003	genomic	15-20 DAA bolls from irrigated plants	Coker 312	Gossypium hirsutum
STV0177	SSR	STV0177	EST	3 and 5 week old seedlings	Paymaster HS 26	Gossypium hirsutum
STV0176	SSR	STV0176	EST	3 and 5 week old seedlings	Paymaster HS 26	Gossypium hirsutum
STV0169	SSR	STV0169	EST	3 and 5 week old seedlings	Paymaster HS 26	Gossypium hirsutum
STV0152	SSR	STV0152	EST	3 and 5 week old seedlings	Paymaster HS 26	Gossypium hirsutum
STV0148	SSR	STV0148	EST	3 and 5 week old seedlings	Paymaster HS 26	Gossypium hirsutum

Click on any **green color** displayed 'record name' (such as 'Paymaster HS 26') will redirect you to the record's details page (i.e. to the details page of germplasm 'Paymaster HS 26').

B. Search for Mapped Markers web interface:

The default result is the table of all mapped markers

Search for Mapped Markers

Marker Type: Any

Marker Name: contains (dropdown menu: contains, exactly, starts with, ends with)

File Upload: Browse... No file selected.
Provide marker names separated by a new line.

Submit Reset

34210 records were returned [click HERE](#) [Download Table](#)

#	Name	Type	Locus	Map	Linkage Group	Chr number	Start	Stop
1	HAU0294	SSR	HAU0294	Emian-22 x 3-79, BC1 (2011)	Emian-22 x 3-79, BC1 (2011).E3-BC1_chr15	AD_chr.15	68.252	68.252
2	BNL0252	SSR	BNL252-250	Vsg x (TM-1 x Hai-7124), DH (2005)	Vsg x (TM-1 x Hai-7124), DH (2005).VTH-DH.05_igD03	AD_chr.24	108.8	108.8
3	BNL0252	SSR	BNL252-250	TM-1 x Hai-7124, BC1 (2007)	TM-1 x Hai-7124, BC1 (2007).TH-BC1_chr24	AD_chr.24	12.5	12.5
4	BNL0252	SSR	BNL252-250	TM-1 x Hai-7124, BC1 (2008)	TM-1 x Hai-7124, BC1 (2008).TH-BC1.08_chr24/D8	AD_chr.24	99.288	99.288

Search can be restricted by marker type

Enter marker name(s) for search

To run a search, click HERE

A marker name list can be uploaded from your local computer for searching

Clicking on the column head will reorder the result table by that column

To download result table, click HERE

Click on a **Marker Name** to view the details page of the record.

Click on a **Map Name** to view the details page of the record.

C. Search markers on nearby loci web interface.

Enter locus name for search of nearby loci

Provide a specified genetic distance

To run a search, click HERE

Click on any **green color** displayed 'record name' will redirect you to the record's details page.

To download result table, click HERE

Download the results

Click on a column head will reorder the result table by the column

Search Markers on Nearby Loci

Locus: * Distance: * cM

26 records were returned

#	Locus	Map	Linkage Group	Position	Neighbor	Position
1	R2	CIRAD High Density Consensus (2012)		102.4	HAU0775	105.6
2	R2	CIRAD High Density Consensus (2012)		102.4	pvc030	102
3	R2	CIRAD High Density Consensus (2012)		102.4	nau0845	107.4
4	R2	CIRAD High Density Consensus (2012)		102.4	Gate4CD12	99.2
5	R2	CIRAD High Density Consensus (2012)		102.4	ESTS196	101.5
6	R2	CIRAD High Density Consensus (2012)		102.4	UCcg10436_1035	103.5
7	R2	CIRAD High Density Consensus (2012)		102.4	Unig27D04	104.4
8	R2	CIRAD High Density Consensus (2012)		102.4	DOW078	98.6
9	R2	TM-1 x Hai-7124, BC1 (2012)		78.116	me5od12-310	73.523
10	R2	TM-1 x Hai-7124, BC1 (2012)		78.116	nau0845	80.714
11	R2	TM-1 x Hai-7124, BC1 (2008)	TM-1 x Hai-7124, BC1 (2008).TH-BC1.08_chr07/A7	44.265	R2	44.265
12	R2	TM-1 x Hai-7124, BC1 (2008)	TM-1 x Hai-7124, BC1 (2008).TH-BC1.08_chr07/A7	44.265	me5od12-310	47.865
13	R2	TM-1 x Hai-7124, BC1 (2008)	TM-1 x Hai-7124, BC1 (2008).TH-BC1.08_chr07/A7	44.265	nau0845	42.868
14	R2	TM-1 x Hai-7124, BC1 (2008)	TM-1 x Hai-7124, BC1 (2008).TH-BC1.08_chr07/A7	44.265	NAU845-155	42.868
15	R2	TM-1 x Hai-7124, BC1 (2008)	TM-1 x Hai-7124, BC1 (2008).TH-BC1.08_chr07/A7	44.265	me5od12-310	47.865
16	R2	TM-1 x Hai-7124, BC1 (2008)	TM-1 x Hai-7124, BC1 (2008).TH-BC1.08_chr07/A7	44.265	nau0845	42.868
17	R2	TM-1 x Hai-7124, BC1 (2008)	TM-1 x Hai-7124, BC1 (2008).TH-BC1.08_chr07/A7	44.265	NAU845-155	42.868
18	R2	TM-1 x Hai-7124, BC1 (2008)	TM-1 x Hai-7124, BC1 (2008).TH-BC1.08_chr07/A7	44.265	R2	44.265
19	R2	TM-1 x Hai-7124, BC1 (2007)	TM-1 x Hai-7124, BC1 (2007).TH-BC1_chr07	44.1	me5od12-310	47.1
20	R2	TM-1 x Hai-7124, BC1 (2007)	TM-1 x Hai-7124, BC1 (2007).TH-BC1_chr07	44.1	NAU845-155	41.6

D-1. Advanced Marker Search interface

Advanced Marker Search

Search by Name

Marker Name

File Upload No file selected.

Provide marker names in a file. Separate each name by a new line.

Restrict by Features

Marker Type Marker Developed from Species Marker Mapped in Genome

Restrict by Location

G. raimondii (D5) between and bp

Genome Location

Map

Chr Number

Search marker by name(s) only

Or provide a list of marker names uploaded from your local computer

Search can be restricted by marker type or the species that marker developed from

Search can be restricted by genome groups (AD, A, D, etc.)

Search can be restricted by location on G. raimondii genome

Search can be restricted by map name

Search can be restricted by chromosome number (A_chr.01, D_chr03, AD_chr24, etc.)

To run a search, click [HERE](#)

D-2. Advanced Marker Search by uploading a text format 'marker name' list result interface.

Advanced Marker Search

Search by Name

Marker Name contains

File Upload Browse... mknm.txt

Provide marker names in a file. Separate each name by a new line.

Restrict by Features

Marker Type Any Marker Developer

Restrict by Location

G. raimondii (D5) Genome Location Any

Map Any

Chr Number Any

Submit Reset

Cotton Incorporated USDA

File Upload

Desktop

Name	Size	Item type	Date
IMG_0506	283 KB	JPEG image	5/1/...
IMG_0512	275 KB	JPEG image	5/1/...
Jing-1	349 KB	JPEG image	10/3/...
jing-2	746 KB	JPEG image	10/3/...
Map_Marker_Chad...	59 KB	PNG image	10/5/...
mknm	1 KB	Text Document	7/5/...
mP1011872-1s	45 KB	JPEG image	1/1/...
NCBI_EST_485339_t...	4,928 KB	Microsoft Office E...	8/1/...
ncbi-EST	30,343 KB	Microsoft Office E...	8/1/...
nucest_result	43 KB	Text Document	3/4/...

File name: mknm All Files

Open Cancel

1. To upload a marker name list from local computer, first to click on the button 'Browse' to open the 'File Upload' window

2. From the 'File Upload' window, find and select the text file of the marker names from local computer, then click 'Open' from the bottom of this window to upload

3. The uploaded file name should appear here after uploading

4. Click [Submit] to run the search

D-3. Advanced Marker Search result interface.

Click on any **green color** displayed 'record name' (except 'Linkage Group' names) will redirect you to the record's details page.

Click on 'Linkage Group' name will redirect you to CMap

To download result table, click **HERE**

To download marker sequence(s), click **HERE**

14 records were found. [Download Table](#) | [Paste](#)

#	Name	Alias	Type	Species	Sequence	Map	Linkage Group	Start	Stop
1	A1046		RFLP	Gossypium herbaceum	A1046	AD-genome wide Reference Map (2009)	AD-genome wide Reference Map (2009).Ref-chr07	58	58
2	A1046		RFLP	Gossypium herbaceum	A1046	Palmeri x K-101, F2 (2007)	Palmeri x K-101, F2 (2007).PK-F2_chr07	119.9	119.9
3	A1046		RFLP	Gossypium herbaceum	A1046	Gtr x Gra, F2 (2004)	Gtr x Gra, F2 (2004).D_D01	73.2	73.2
4	A1046		RFLP	Gossypium herbaceum	A1046	A1-97 x A2-47, F2 (1999)	A1-97 x A2-47, F2 (1999).AA-F2_A04	22	22
5	A1097		RFLP	Gossypium herbaceum	A1097	AD-genome wide Reference Map (2009)	AD-genome wide Reference Map (2009).Ref-chr01	43	43
6	A1097		RFLP	Gossypium herbaceum	A1097	Palmeri x K-101, F2 (2007)	Palmeri x K-101, F2 (2007).PK-F2_chr01	72.4	72.4
7	A1097		RFLP	Gossypium herbaceum	A1097	Gtr x Gra, F2 (2004)	Gtr x Gra, F2 (2004).D_D02	45.8	45.8
8	A1097		RFLP	Gossypium herbaceum	A1097	CAMD-E x Seaberry, F2 (1998)	CAMD-E x Seaberry, F2 (1998).CS-F2_chr01	38.5	38.5
9	A1097		RFLP	Gossypium herbaceum	A1097	A1-97 x A2-47, F2 (1999)	A1-97 x A2-47, F2 (1999).AA-F2_A05	58	58
10	BNL3400		SSR	Gossypium hirsutum	BNL3400	Vsg x (TM-1 x Hai-7124), DH (2005)	Vsg x (TM-1 x Hai-7124), DH (2005).VTH-DH.05_IgD08.1	9.3	9.3
11	BNL3400		SSR	Gossypium hirsutum	BNL3400	TM-1 x 3-79, RIL (2012)	TM-1 x 3-79, RIL (2012).T3-RIL.12_c05	2.616	2.616
12	BNL3400		SSR	Gossypium hirsutum	BNL3400	AD-genome wide Reference Map (2009)	AD-genome wide Reference Map (2009).Ref-chr19	29	29
13	BNL3400		SSR	Gossypium hirsutum	BNL3400	Monsanto SSR Bin Map, (2009)	Monsanto SSR Bin Map, (2009).BIN-SSR_chr05	210	210
14	BNL3400		SSR	Gossypium hirsutum	BNL3400	(Simian-3 x Sumian-12) x (Zhong-4133 x 8891), 4WC (2008) part	(Simian-3 x Sumian-12) x (Zhong-4133 x 8891), 4WC (2008) part.SSZ8-4WC_D05.1	34.6	34.6

E. Search for Mapped markers with sequences: Browse or search by map name

A table listed by map name, followed by Linkage Group name, Locus and position on map, Marker and sequence name. The **default result is the table of all mapped markers with sequence**

Search can be restricted by map name

To run a search, click HERE

Click on a column head will reorder the result table by the column

Click on any **green color** displayed 'record name' will redirect you to the record's details page.

To download result table, click HERE

Search Mapped Sequences by Map Name

Map Name

23,388 records were returned. [Download the results](#)

Map	Linkage Group	Locus Start	Locus Stop	Locus	Marker	Sequence
AD-genome wide Reference Map (2009)	AD-genome wide Reference Map (2009).Ref-chr07	58	58	A1046	A1046	A1046
Palmeri x K-101, F2 (2007)	Palmeri x K-101, F2 (2007).PK-F2_chr07	119.9	119.9	A1046	A1046	A1046
Gtr x Gra, F2 (2004)	Gtr x Gra, F2 (2004).D_D01	73.2	73.2	A1046	A1046	A1046
A1-97 x A2-47, F2 (1999)	A1-97 x A2-47, F2 (1999).AA-F2_A04	22	22	A1046	A1046	A1046
AD-genome wide Reference Map (2009)	AD-genome wide Reference Map (2009).Ref-chr01	43	43	A1097	A1097	A1097
Palmeri x K-101, F2 (2007)	Palmeri x K-101, F2 (2007).PK-F2_chr01	72.4	72.4	A1097	A1097	A1097
Gtr x Gra, F2 (2004)	Gtr x Gra, F2 (2004).D_D02	45.8	45.8	A1097	A1097	A1097
CAMD-E x Seaberry, F2 (1998)	CAMD-E x Seaberry, F2 (1998).CS-F2_chr01	38.5	38.5	A1097	A1097	A1097
A1-97 x A2-47, F2 (1999)	A1-97 x A2-47, F2 (1999).AA-F2_A05	58	58	A1097	A1097	A1097
Gtr x Gra, F2 (2004)	Gtr x Gra, F2 (2004).D_D03	0.9	0.9	A1100	A1100	A1100
A1-97 x A2-47, F2 (1999)	A1-97 x A2-47, F2 (1999).AA-F2_A11	6.7	6.7	A1100	A1100	A1100
AD-genome wide Reference Map (2009)	AD-genome wide Reference Map (2009).Ref-chr24	187	187	A1107	A1107	A1107
Guazuncho-2 x VH8-4602, consensus (2009)	Guazuncho-2 x VH8-4602, consensus (2009).GV-cons_c24	37.28	37.28	A1107	A1107	A1107
Guazuncho-2 x VH8-4602, BC1 (2005)	Guazuncho-2 x VH8-4602, BC1 (2005).GV-BC1_chr24/lgD03	54	54	A1107	A1107	A1107

F. Browse or search by chromosome number

A table listed by chromosome number (AD_chr.07, A_chr.01, D_chr13, etc.) with the same contents as that of E. The **default result is the table of all mapped markers with sequence**

Search Mapped Sequences by Chromosome Number

Chromosome number
 Search can be restricted by chromosome number

23,388 records were returned. [Download the results](#)

Chr number	Map	Linkage Group	Locus Start	Locus Stop	Locus	Marker	Sequence
AD_chr.07	AD-genome wide Reference Map (2009)	AD-genome wide Reference Map (2009).Ref-chr07	58	58	A1046	A1046	A1046
AD_chr.07	Palmeri x K-101, F2 (2007)	Palmeri x K-101, F2 (2007).PK-F2_chr07	119.9	119.9	A1046	A1046	A1046
D_chr.01	Gtr x Gra, F2 (2004)	Gtr x Gra, F2 (2004).D_D01	73.2	73.2	A1046	A1046	A1046

G. Browse or search by Genome Group

A table listed by Genome Group (AD, A, D, etc.) with the same contents as that of E. The **default result is the table of all mapped markers with sequence**

Search Mapped Sequences by Genome Group

Genome group
 Search can be restricted by genome group

23,388 records were returned. [Download the results](#)

Genome Group	Map	Linkage Group	Locus Start	Locus Stop	Locus	Marker	Sequence
AD	AD-genome wide Reference Map (2009)	AD-genome wide Reference Map (2009).Ref-chr07	58	58	A1046	A1046	A1046
AD	Palmeri x K-101, F2 (2007)	Palmeri x K-101, F2 (2007).PK-F2_chr07	119.9	119.9	A1046	A1046	A1046
D	Gtr x Gra, F2 (2004)	Gtr x Gra, F2 (2004).D_D01	73.2	73.2	A1046	A1046	A1046
A	A1-97 x A2-47, F2 (1999)	A1-97 x A2-47, F2 (1999).AA-F2_A04	22	22	A1046	A1046	A1046