

# CTCF

May 27, 2026

---

T2T.CIS\_BP\_2.00\_Homo\_sapiens

*T2T.CIS\_BP\_2.00\_Homo\_sapiens*

---

## Description

T2T CTCF motifs detected using human PWM matrices from <http://cisbp.cibr.utoronto.ca/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

## Author(s)

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

T2T.CTCFBSDB\_PWM

*T2T.CTCFBSDB\_PWM*

---

## Description

T2T CTCF motifs detected using PWM matrices from <https://insulatordb.uthsc.edu/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

## Author(s)

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

T2T.HOCOMOCOv11\_core\_HUMAN\_mono\_meme\_format

*T2T.HOCOMOCOv11\_core\_HUMAN\_mono\_meme\_format*

---

## Description

T2T CTCF motifs detected using human PWM matrices from <https://hocomoco11.autosome.org/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

## Author(s)

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

T2T.JASPAR2022\_CORE Vertebrates\_non\_redundant\_v2

*T2T.JASPAR2022\_CORE Vertebrates\_non\_redundant\_v2*

---

**Description**

T2T CTCF motifs detected using human PWM matrices from <https://jaspar.genereg.net/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

T2T.Jolma2013

*T2T.Jolma2013*

---

**Description**

T2T CTCF motifs detected using PWM matrices from DOI:10.1016/j.cell.2012.12.009, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

T2T.MA0139.1

*T2T.MA0139.1*

---

**Description**

T2T CTCF motifs detected using MA0139.1 PWM matrix from <https://jaspar.genereg.net/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

T2T.SwissRegulon\_human\_and\_mouse

*T2T.SwissRegulon\_human\_and\_mouse*

---

**Description**

T2T CTCF motifs detected using PWM matrices from <https://swissregulon.unibas.ch/sr/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg18.CTCFBSDB.CTCF\_predicted\_human

*hg18.CTCFBSDB.CTCF\_predicted\_human*

---

**Description**

hg18 CTCF predicted motifs from <https://insulatordb.uthsc.edu/>.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg18.MA0139.1

*hg18.MA0139.1*

---

**Description**

hg18 CTCF motifs detected using MA0139.1 PWM matrix from <https://jaspar.genereg.net/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg19.CIS\_BP\_2.00\_Homo\_sapiens

*hg19.CIS\_BP\_2.00\_Homo\_sapiens*

---

**Description**

hg19 CTCF motifs detected using human PWM matrices from <http://cisbp.cibr.utoronto.ca/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg19.CTCFBSDB.CTCF\_predicted\_human

*hg19.CTCFBSDB.CTCF\_predicted\_human*

---

**Description**

hg19 CTCF predicted motifs from <https://insulatordb.uthsc.edu/>. liftOver from hg18

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg19.CTCFBSDB\_PWM      *hg19.CTCFBSDB\_PWM*

---

**Description**

hg19 CTCF motifs detected using PWM matrices from <https://insulatordb.uthsc.edu/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg19.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format  
*hg19.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format*

---

**Description**

hg19 CTCF motifs detected using human PWM matrices from <https://hocomoco11.autosome.org/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg19.JASPAR2022\_CORE\_vertibrates\_non\_redundant\_v2  
*hg19.JASPAR2022\_CORE\_vertibrates\_non\_redundant\_v2*

---

**Description**

hg19 CTCF motifs detected using human PWM matrices from <https://jaspar.genereg.net/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg19.Jolma2013      *hg19.Jolma2013*

---

**Description**

hg19 CTCF motifs detected using PWM matrices from DOI:10.1016/j.cell.2012.12.009, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg19.MA0139.1                      *hg19.MA0139.1*

---

**Description**

hg19 CTCF motifs detected using MA0139.1 PWM matrix from <https://jaspar.genereg.net/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg19.SwissRegulon\_human\_and\_mouse  
*hg19.SwissRegulon\_human\_and\_mouse*

---

**Description**

hg19 CTCF motifs detected using PWM matrices from <https://swissregulon.unibas.ch/sr/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg38.CIS\_BP\_2.00\_Homo\_sapiens  
*hg38.CIS\_BP\_2.00\_Homo\_sapiens*

---

**Description**

hg38 CTCF motifs detected using human PWM matrices from <http://cisbp.ccb.utoronto.ca/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg38.CTCFBSDB.CTCF\_predicted\_human  
*hg38.CTCFBSDB.CTCF\_predicted\_human*

---

**Description**

hg38 CTCF predicted motifs from <https://insulatordb.uthsc.edu/>. liftOver from hg18

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg38.CTCFBSDB\_PWM      *hg38.CTCFBSDB\_PWM*

---

**Description**

hg38 CTCF motifs detected using PWM matrices from <https://insulatordb.uthsc.edu/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg38.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format  
*hg38.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format*

---

**Description**

hg38 CTCF motifs detected using human PWM matrices from <https://hocomoco11.autosome.org/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg38.JASPAR2022\_CORE Vertebrates\_non\_redundant\_v2  
*hg38.JASPAR2022\_CORE Vertebrates\_non\_redundant\_v2*

---

**Description**

hg38 CTCF motifs detected using human PWM matrices from <https://jaspar.genereg.net/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg38.Jolma2013      *hg38.Jolma2013*

---

**Description**

hg38 CTCF motifs detected using PWM matrices from DOI:10.1016/j.cell.2012.12.009, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg38.MA0139.1                      *hg38.MA0139.1*

---

**Description**

hg38 CTCF motifs detected using MA0139.1 PWM matrix from <https://jaspar.genereg.net/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg38.SCREEN.GRCh38\_CTCF  
*hg38.SCREEN.GRCh38\_CTCF*

---

**Description**

hg38 CTCF-bound human cis-regulatory elements from <https://screen.encodeproject.org/>. Derived from experimentally obtained data.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

hg38.SwissRegulon\_human\_and\_mouse  
*hg38.SwissRegulon\_human\_and\_mouse*

---

**Description**

hg38 CTCF motifs detected using PWM matrices from <https://swissregulon.unibas.ch/sr/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm10.CIS\_BP\_2.00\_Homo\_sapiens  
*mm10.CIS\_BP\_2.00\_Homo\_sapiens*

---

**Description**

mm10 CTCF motifs detected using human PWM matrices from <http://cisbp.ccbr.utoronto.ca/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm10.CTCFBSDB.CTCF\_predicted\_human  
*mm10.CTCFBSDB.CTCF\_predicted\_human*

---

**Description**

mm10 CTCF predicted motifs from <https://insulatordb.uthsc.edu/>. liftOver from mm8

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm10.CTCFBSDB\_PWM      *mm10.CTCFBSDB\_PWM*

---

**Description**

mm10 CTCF motifs detected using PWM matrices from <https://insulatordb.uthsc.edu/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm10.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format  
*mm10.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format*

---

**Description**

mm10 CTCF motifs detected using human PWM matrices from <https://hocomoco11.autosome.org/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm10.JASPAR2022\_CORE Vertebrates\_non\_redundant\_v2  
*mm10.JASPAR2022\_CORE Vertebrates\_non\_redundant\_v2*

---

**Description**

mm10 CTCF motifs detected using human PWM matrices from <https://jaspar.genereg.net/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm10.Jolma2013

*mm10.Jolma2013*

---

**Description**

mm10 CTCF motifs detected using PWM matrices from DOI:10.1016/j.cell.2012.12.009, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm10.MA0139.1

*mm10.MA0139.1*

---

**Description**

mm10 CTCF motifs detected using MA0139.1 PWM matrix from <https://jaspar.genereg.net/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm10.SCREEN.GRCh38\_CTCF

*mm10.SCREEN.GRCh38\_CTCF*

---

**Description**

mm10 CTCF-bound human cis-regulatory elements from <https://screen.encodeproject.org/>. Derived from experimentally obtained data.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm10.SwissRegulon\_human\_and\_mouse

*mm10.SwissRegulon\_human\_and\_mouse*

---

**Description**

mm10 CTCF motifs detected using PWM matrices from <https://swissregulon.unibas.ch/sr/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm39.CIS\_BP\_2.00\_Homo\_sapiens

*mm39.CIS\_BP\_2.00\_Homo\_sapiens*

---

**Description**

mm39 CTCF motifs detected using human PWM matrices from <http://cisbp.cibr.utoronto.ca/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm39.CTCFBSDB\_PWM

*mm39.CTCFBSDB\_PWM*

---

**Description**

mm39 CTCF motifs detected using PWM matrices from <https://insulatordb.uthsc.edu/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm39.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format

*mm39.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format*

---

**Description**

mm39 CTCF motifs detected using human PWM matrices from <https://hocomoco11.autosome.org/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm39.JASPAR2022\_CORE\_vertibrates\_non\_redundant\_v2

*mm39.JASPAR2022\_CORE\_vertibrates\_non\_redundant\_v2*

---

**Description**

mm39 CTCF motifs detected using human PWM matrices from <https://jaspar.genereg.net/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm39.Jolma2013                      *mm39.Jolma2013*

---

**Description**

mm39 CTCF motifs detected using PWM matrices from DOI:10.1016/j.cell.2012.12.009, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm39.MA0139.1                      *mm39.MA0139.1*

---

**Description**

mm39 CTCF motifs detected using MA0139.1 PWM matrix from <https://jaspar.genereg.net/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm39.SwissRegulon\_human\_and\_mouse  
*mm39.SwissRegulon\_human\_and\_mouse*

---

**Description**

mm39 CTCF motifs detected using PWM matrices from <https://swissregulon.unibas.ch/sr/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm8.CTCFBSDB.CTCF\_predicted\_human  
*mm8.CTCFBSDB.CTCF\_predicted\_human*

---

**Description**

mm8 CTCF predicted motifs from <https://insulatordb.uthsc.edu/>.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm9.CIS\_BP\_2.00\_Homo\_sapiens

*mm9.CIS\_BP\_2.00\_Homo\_sapiens*

---

**Description**

mm9 CTCF motifs detected using human PWM matrices from <http://cisbp.cabr.utoronto.ca/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm9.CTCFBSDB.CTCF\_predicted\_human

*mm9.CTCFBSDB.CTCF\_predicted\_human*

---

**Description**

mm9 CTCF predicted motifs from <https://insulatordb.uthsc.edu/>. liftOver from mm8

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm9.CTCFBSDB\_PWM

*mm9.CTCFBSDB\_PWM*

---

**Description**

mm9 CTCF motifs detected using PWM matrices from <https://insulatordb.uthsc.edu/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm9.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format

*mm9.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format*

---

**Description**

mm9 CTCF motifs detected using human PWM matrices from <https://hocomoco11.autosome.org/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm9.JASPAR2022\_CORE\_vertibrates\_non\_redundant\_v2

*mm9.JASPAR2022\_CORE\_vertibrates\_non\_redundant\_v2*

---

**Description**

mm9 CTCF motifs detected using human PWM matrices from <https://jaspar.genereg.net/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm9.Jolma2013

*mm9.Jolma2013*

---

**Description**

mm9 CTCF motifs detected using PWM matrices from DOI:10.1016/j.cell.2012.12.009, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm9.MA0139.1

*mm9.MA0139.1*

---

**Description**

mm9 CTCF motifs detected using MA0139.1 PWM matrix from <https://jaspar.genereg.net/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

---

mm9.SwissRegulon\_human\_and\_mouse

*mm9.SwissRegulon\_human\_and\_mouse*

---

**Description**

mm9 CTCF motifs detected using PWM matrices from <https://swissregulon.unibas.ch/sr/>, by FIMO. Filtering by p-value < 1e-6 and reducing GRanges is recommended.

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

# Index

hg18.CTCFBSDB.CTCF\_predicted\_human, [3](#)  
hg18.MA0139.1, [3](#)  
hg19.CIS\_BP\_2.00\_Homo\_sapiens, [3](#)  
hg19.CTCFBSDB.CTCF\_predicted\_human, [3](#)  
hg19.CTCFBSDB\_PWM, [4](#)  
hg19.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format, [4](#)  
hg19.JASPAR2022\_CORE Vertebrates\_non\_redundant\_v2, [4](#)  
hg19.Jolma2013, [4](#)  
hg19.MA0139.1, [5](#)  
hg19.SwissRegulon\_human\_and\_mouse, [5](#)  
hg38.CIS\_BP\_2.00\_Homo\_sapiens, [5](#)  
hg38.CTCFBSDB.CTCF\_predicted\_human, [5](#)  
hg38.CTCFBSDB\_PWM, [6](#)  
hg38.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format, [6](#)  
hg38.JASPAR2022\_CORE Vertebrates\_non\_redundant\_v2, [6](#)  
hg38.Jolma2013, [6](#)  
hg38.MA0139.1, [7](#)  
hg38.SCREEN.GRCh38\_CTCF, [7](#)  
hg38.SwissRegulon\_human\_and\_mouse, [7](#)

mm10.CIS\_BP\_2.00\_Homo\_sapiens, [7](#)  
mm10.CTCFBSDB.CTCF\_predicted\_human, [8](#)  
mm10.CTCFBSDB\_PWM, [8](#)  
mm10.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format, [8](#)  
mm10.JASPAR2022\_CORE Vertebrates\_non\_redundant\_v2, [8](#)  
mm10.Jolma2013, [9](#)  
mm10.MA0139.1, [9](#)  
mm10.SCREEN.GRCh38\_CTCF, [9](#)  
mm10.SwissRegulon\_human\_and\_mouse, [9](#)  
mm39.CIS\_BP\_2.00\_Homo\_sapiens, [10](#)  
mm39.CTCFBSDB\_PWM, [10](#)  
mm39.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format, [10](#)  
mm39.JASPAR2022\_CORE Vertebrates\_non\_redundant\_v2, [10](#)  
mm39.Jolma2013, [11](#)  
mm39.MA0139.1, [11](#)  
mm39.SwissRegulon\_human\_and\_mouse, [11](#)

mm8.CTCFBSDB.CTCF\_predicted\_human, [11](#)  
mm9.CIS\_BP\_2.00\_Homo\_sapiens, [12](#)  
mm9.CTCFBSDB.CTCF\_predicted\_human, [12](#)  
mm9.CTCFBSDB\_PWM, [12](#)  
mm9.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format, [12](#)  
mm9.JASPAR2022\_CORE Vertebrates\_non\_redundant\_v2, [13](#)  
mm9.Jolma2013, [13](#)  
mm9.MA0139.1, [13](#)  
mm9.SwissRegulon\_human\_and\_mouse, [13](#)

T2T.CIS\_BP\_2.00\_Homo\_sapiens, [1](#)  
T2T.CTCFBSDB\_PWM, [1](#)  
T2T.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format, [1](#)  
T2T.JASPAR2022\_CORE Vertebrates\_non\_redundant\_v2, [2](#)  
T2T.Jolma2013, [2](#)  
T2T.MA0139.1, [2](#)  
T2T.SwissRegulon\_human\_and\_mouse, [2](#)