

# CTCF

June 12, 2024

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

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## 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>

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T2T.CTCFBSDB\_PWM      *T2T.CTCFBSDB\_PWM*

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## 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>

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T2T.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format  
*T2T.HOCOMOCov11\_core\_HUMAN\_mono\_meme\_format*

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**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>

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

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**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>

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T2T.Jolma2013                      *T2T.Jolma2013*

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**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>

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T2T.MA0139.1

*T2T.MA0139.1*

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**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>

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T2T.SwissRegulon\_human\_and\_mouse

*T2T.SwissRegulon\_human\_and\_mouse*

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**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>

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hg18.CTCFBSDB.CTCF\_predicted\_human

*hg18.CTCFBSDB.CTCF\_predicted\_human*

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**Description**

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

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

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hg18.MA0139.1      *hg18.MA0139.1*

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**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>

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

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**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>

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hg19.CTCFBSDB.CTCF\_predicted\_human  
*hg19.CTCFBSDB.CTCF\_predicted\_human*

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**Description**

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

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

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

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**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>

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

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**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>

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

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**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>

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hg19.Jolma2013

*hg19.Jolma2013*

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**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>

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hg19.MA0139.1

*hg19.MA0139.1*

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**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.

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Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

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hg19.SwissRegulon\_human\_and\_mouse

*hg19.SwissRegulon\_human\_and\_mouse*

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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.

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Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

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

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

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**Description**

hg38 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>

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hg38.CTCFBSDB.CTCF\_predicted\_human

*hg38.CTCFBSDB.CTCF\_predicted\_human*

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**Description**

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

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

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hg38.CTCFBSDB\_PWM

*hg38.CTCFBSDB\_PWM*

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**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>

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hg38.HOCOMOCOv11\_core\_HUMAN\_mono\_meme\_format  
*hg38.HOCOMOCOv11\_core\_HUMAN\_mono\_meme\_format*

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**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>

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

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**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.

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Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

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hg38.Jolma2013                      *hg38.Jolma2013*

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**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>



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hg38.MA0139.1	<i>hg38.MA0139.1</i>
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**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>

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hg38.SCREEN.GRCh38_CTCF	<i>hg38.SCREEN.GRCh38_CTCF</i>
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**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>

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hg38.SwissRegulon_human_and_mouse	<i>hg38.SwissRegulon_human_and_mouse</i>
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**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*

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**Description**

mm10 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>

---

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>

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

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

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### **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>

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mm10.JASPAR2022\_CORE\_vertbrates\_non\_redundant\_v2

*mm10.JASPAR2022\_CORE\_vertbrates\_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*

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### **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>

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mm10.MA0139.1

*mm10.MA0139.1*

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**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>

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mm10.SCREEN.GRCh38\_CTCF

*mm10.SCREEN.GRCh38\_CTCF*

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**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>

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mm10.SwissRegulon\_human\_and\_mouse

*mm10.SwissRegulon\_human\_and\_mouse*

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**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>

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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>

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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>

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mm39.JASPAR2022\_CORE Vertebrates\_non\_redundant\_v2  
*mm39.JASPAR2022\_CORE Vertebrates\_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>

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

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**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>

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

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**Description**

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

**Author(s)**

Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

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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.cibr.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>



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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*

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**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)**

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