

CTCF

January 14, 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.ccbr.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_vertbrates_non_redundant_v2

T2T.JASPAR2022_CORE_vertbrates_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.ccbr.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	<i>hg19.CTCFBSDB_PWM</i>
-------------------	--------------------------

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	<i>hg19.HOCOMOCOv11_core_HUMAN_mono_meme_format</i>
--	---

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_vertbrates_non_redundant_v2	<i>hg19.JASPAR2022_CORE_vertbrates_non_redundant_v2</i>
--	---

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.ccbr.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_vertetrates_non_redundant_v2

hg38.JASPAR2022_CORE_vertetrates_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_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*

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.ccbr.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 Vertebrates_non_redundant_v2	
	<i>mm39.JASPAR2022_CORE Vertebrates_non_redundant_v2</i>

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	<i>mm39.Jolma2013</i>
----------------	-----------------------

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	<i>mm39.MA0139.1</i>
---------------	----------------------

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.CTCFBSD.B.CTCF_predicted_human
mm8.CTCFBSD.B.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.ccbr.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 vertebrates_non_redundant_v2

mm9.JASPAR2022_CORE vertebrates_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, [4](#)
 hg19.CIS_BP_2.00_Homo_sapiens, [4](#)
 hg19.CTCFBSDB.CTCF_predicted_human, [4](#)
 hg19.CTCFBSDB_PWM, [5](#)
 hg19.HOCOMOCov11_core_HUMAN_mono_meme_format, [5](#)
 hg19.JASPAR2022_CORE_vertbrates_non_redundant_v2, [5](#)
 hg19.Jolma2013, [6](#)
 hg19.MA0139.1, [6](#)
 hg19.SwissRegulon_human_and_mouse, [6](#)
 hg38.CIS_BP_2.00_Homo_sapiens, [7](#)
 hg38.CTCFBSDB.CTCF_predicted_human, [7](#)
 hg38.CTCFBSDB_PWM, [7](#)
 hg38.HOCOMOCov11_core_HUMAN_mono_meme_format, [8](#)
 hg38.JASPAR2022_CORE_vertbrates_non_redundant_v2, [8](#)
 hg38.Jolma2013, [8](#)
 hg38.MA0139.1, [9](#)
 hg38.SCREEN.GRCh38_CTCF, [9](#)
 hg38.SwissRegulon_human_and_mouse, [9](#)

 mm10.CIS_BP_2.00_Homo_sapiens, [10](#)
 mm10.CTCFBSDB.CTCF_predicted_human, [10](#)
 mm10.CTCFBSDB_PWM, [10](#)
 mm10.HOCOMOCov11_core_HUMAN_mono_meme_format, [11](#)
 mm10.JASPAR2022_CORE_vertbrates_non_redundant_v2, [11](#)
 mm10.Jolma2013, [11](#)
 mm10.MA0139.1, [12](#)
 mm10.SCREEN.GRCh38_CTCF, [12](#)
 mm10.SwissRegulon_human_and_mouse, [12](#)
 mm39.CIS_BP_2.00_Homo_sapiens, [13](#)
 mm39.CTCFBSDB_PWM, [13](#)
 mm39.HOCOMOCov11_core_HUMAN_mono_meme_format, [13](#)

 mm39.JASPAR2022_CORE_vertbrates_non_redundant_v2, [14](#)
 mm39.Jolma2013, [14](#)
 mm39.MA0139.1, [14](#)
 mm39.SwissRegulon_human_and_mouse, [15](#)
 mm8.CTCFBSDB.CTCF_predicted_human, [15](#)
 mm9.CIS_BP_2.00_Homo_sapiens, [15](#)
 mm9.CTCFBSDB.CTCF_predicted_human, [16](#)
 mm9.CTCFBSDB_PWM, [16](#)
 mm9.HOCOMOCov11_core_HUMAN_mono_meme_format, [16](#)
 mm9.JASPAR2022_CORE_vertbrates_non_redundant_v2, [17](#)
 mm9.Jolma2013, [17](#)
 mm9.MA0139.1, [17](#)
 mm9.SwissRegulon_human_and_mouse, [18](#)

 T2T.CIS_BP_2.00_Homo_sapiens, [1](#)
 T2T.CTCFBSDB_PWM, [1](#)
 T2T.HOCOMOCov11_core_HUMAN_mono_meme_format, [2](#)
 T2T.JASPAR2022_CORE_vertbrates_non_redundant_v2, [2](#)
 T2T.Jolma2013, [2](#)
 T2T.MA0139.1, [3](#)
 T2T.SwissRegulon_human_and_mouse, [3](#)