CTCF

November 11, 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_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.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 *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_vertebrates_non_redundant_v2
hg19.JASPAR2022_CORE_vertebrates_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.

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

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Mikhail Dozmorov <mikhail.dozmorov@gmail.com>

hg19.SwissRegulon_human_and_mouse
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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_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.

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hg38.Jolma2013 *hg38.Jolma2013*

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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)

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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 *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>

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.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)

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