

Origin and brief description of the motif collections integrated in RSAT					
Collection name	Database name	Version	Category	Brief description	URL of origin of the data
Yeasttract	Yeasttract	20130918	Fungi	Yeast motifs compiled from literature and databases	<a href="http://www.yeasttract.com/">http://www.yeasttract.com/</a>
cisBP_S.cerevisiae	cisBP	2015-06_v1.02	Fungi	CisBP collects data from >25 sources, including other database such as Transfac, JASPAR, HOCOMOCO, FactorBook, UniProbe, Fly Factor Survey, and dozens of additional publications.	<a href="http://cisbp.ccb.utoronto.ca/">http://cisbp.ccb.utoronto.ca/</a>
jaspar_core_nonredundant_fungi	Jaspar	2020	Fungi	Curated, non-redundant set of profiles, derived from published collections of experimentally defined transcription factor binding sites for eukaryotes.	<a href="http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_fungi_non-redundant_pfms_transfac.txt">http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_fungi_non-redundant_pfms_transfac.txt</a>
jaspar_core_redundant_fungi	Jaspar	2020	Fungi	Curated set of profiles, derived from published collections of experimentally defined transcription factor binding sites for eukaryotes.	<a href="http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_fungi_redundant_pfms_transfac.txt">http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_fungi_redundant_pfms_transfac.txt</a>
cisBP_Saccharomyces_cerevisiae	cisBP	2019-06_v2.00	Fungi	cisBP specific collection for Saccharomyces_cerevisiae	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
footprintDB	footprintDB	2020-01	Multi-categories	Metadatabase of curated motifs from public databases and the literature	<a href="http://foresta.eead.csic.es/footprintdb">http://foresta.eead.csic.es/footprintdb</a>
jaspar_core_nonredundant_all	Jaspar	2020	Multi-categories	Curated, non-redundant set of profiles, derived from published collections of experimentally defined transcription factor binding sites for eukaryotes.	<a href="http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_non-redundant_pfms_transfac.txt">http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_non-redundant_pfms_transfac.txt</a>
jaspar_core_redundant_all	Jaspar	2020	Multi-categories	Curated set of profiles, derived from published collections of experimentally defined transcription factor binding sites for eukaryotes.	<a href="http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_redundant_pfms_transfac.txt">http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_redundant_pfms_transfac.txt</a>
jaspar_unvalidated	Jaspar	2020	Multi-categories	JASPAR unvalidated	<a href="http://jaspar2020.genereg.net/download/collections/JASPAR2020_UNVALIDATED_pfms_transfac.txt">http://jaspar2020.genereg.net/download/collections/JASPAR2020_UNVALIDATED_pfms_transfac.txt</a>
RSAT_nonredundant_insects_plants_vertibrates	RSAT	2017	Multi-categories	Non-redundant collection obtained by automatic clustering of many external databases with RSAT matrix-clustering	<a href="http://pedagogix-tagc.univ-mrs.fr/rsat/data/published_data/Castro_2016_matrix-clustering/">http://pedagogix-tagc.univ-mrs.fr/rsat/data/published_data/Castro_2016_matrix-clustering/</a>
DrosophilaTFs	DrosophilaTFs	2015-11	Non-vertebrate Metazoa	Curated motifs derived from two different sources: 1) in vitro binding site selection experiments (e.g. SELEX-like methods), and 2) consensus sequences derived from compiled genomic binding site sequences.	<a href="http://bergmanlab.genetics.uga.edu/?page_id=274">http://bergmanlab.genetics.uga.edu/?page_id=274</a>
FlyFactorSurvey	FlyFactorSurvey	2016_06	Non-vertebrate Metazoa	DNA binding specificity data from one-hybrid and DNase I or SELEX methods.	<a href="http://mccb.umassmed.edu/ffs/">http://mccb.umassmed.edu/ffs/</a>
DMMPMM_drosophila	DMMPMM_drosophila	2010_11	Non-vertebrate Metazoa	Motif predictions within DNase I footprinting data	<a href="http://autosome.ru/DMMPMM/">http://autosome.ru/DMMPMM/</a>
IDMMPMM_drosophila	DMMPMM_drosophila	2010_11	Non-vertebrate Metazoa	Drosophila transcription factor motifs built from different available experimental sources	<a href="http://autosome.ru/iDMMPMM/">http://autosome.ru/iDMMPMM/</a>
Aniseed	Aniseed	2020-08	Non-vertebrate Metazoa	Aniseed (Ciona robusta motifs detected by SELEX)	<a href="https://www.aniseed.cnrs.fr/aniseed/download/download_data">https://www.aniseed.cnrs.fr/aniseed/download/download_data</a>
cisBP_drosophila	cisBP	2014-10_v0.9	Non-vertebrate Metazoa	cisBP drosophila	<a href="http://cisbp.ccb.utoronto.ca/">http://cisbp.ccb.utoronto.ca/</a>
cisBP_C.elegans	cisBP	2015-05_v1.02	Non-vertebrate Metazoa	cisBP_c_elegans	<a href="http://cisbp.ccb.utoronto.ca/">http://cisbp.ccb.utoronto.ca/</a>
footprintDB-metazoa	footprintDB	2020-01	Non-vertebrate Metazoa	Metadatabase of curated motifs from public databases and the literature [only metazoa DNA motifs]	<a href="http://foresta.eead.csic.es/footprintdb">http://foresta.eead.csic.es/footprintdb</a>
jaspar_core_nonredundant_insects	Jaspar	2020	Non-vertebrate Metazoa	Curated, non-redundant set of profiles, derived from published collections of experimentally defined transcription factor binding sites for eukaryotes.	<a href="http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_insects_non-redundant_pfms_transfac.txt">http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_insects_non-redundant_pfms_transfac.txt</a>
jaspar_core_nonredundant_nematodes	Jaspar	2020	Non-vertebrate Metazoa	Curated, non-redundant set of profiles, derived from published collections of experimentally defined transcription factor binding sites for eukaryotes.	<a href="http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_nematodes_non-redundant_pfms_transfac.txt">http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_nematodes_non-redundant_pfms_transfac.txt</a>
jaspar_core_nonredundant_urochordates	Jaspar	2020	Non-vertebrate Metazoa	Curated, non-redundant set of profiles, derived from published collections of experimentally defined transcription factor binding sites for eukaryotes.	<a href="http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_urochordates_non-redundant_pfms_transfac.txt">http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_urochordates_non-redundant_pfms_transfac.txt</a>
jaspar_core_redundant_insects	Jaspar	2020	Non-vertebrate Metazoa	Curated set of profiles, derived from published collections of experimentally defined transcription factor binding sites for eukaryotes.	<a href="http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_insects_redundant_pfms_transfac.txt">http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_insects_redundant_pfms_transfac.txt</a>
jaspar_core_redundant_nematodes	Jaspar	2020	Non-vertebrate Metazoa	Curated set of profiles, derived from published collections of experimentally defined transcription factor binding sites for eukaryotes.	<a href="http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_nematodes_redundant_pfms_transfac.txt">http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_nematodes_redundant_pfms_transfac.txt</a>
jaspar_core_redundant_urochordates	Jaspar	2020	Non-vertebrate Metazoa	Curated set of profiles, derived from published collections of experimentally defined transcription factor binding sites for eukaryotes.	<a href="http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_urochordates_redundant_pfms_transfac.txt">http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_urochordates_redundant_pfms_transfac.txt</a>
RSAT_nonredundant_insects	RSAT	2017	Non-vertebrate Metazoa	Non-redundant collection obtained by automatic clustering of many external databases with RSAT matrix-clustering	<a href="http://pedagogix-tagc.univ-mrs.fr/rsat/data/published_data/Castro_2016_matrix-clustering/">http://pedagogix-tagc.univ-mrs.fr/rsat/data/published_data/Castro_2016_matrix-clustering/</a>
cisBP_Acyrthosiphon_pisum	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Acyrthosiphon_pisum	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Aedes_aegypti	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Aedes_aegypti	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Amphimedon_queenslandica	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Amphimedon_queenslandica	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Anopheles_darlingi	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Anopheles_darlingi	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Anopheles_gambiae	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Anopheles_gambiae	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Apis_melifera	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Apis_melifera	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Atta_cephalotes	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Atta_cephalotes	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Bombyx_mori	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Bombyx_mori	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Brugia_malay	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Brugia_malay	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Caenorhabditis_brenneri	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Caenorhabditis_brenneri	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Caenorhabditis_briggsae	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Caenorhabditis_briggsae	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Caenorhabditis_elegans	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Caenorhabditis_elegans	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Caenorhabditis_japonica	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Caenorhabditis_japonica	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>

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cisBP_Caenorhabditis_remanei	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Caenorhabditis_remanei	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Ciona_intestinalis	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Ciona_intestinalis	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Crassostrea_gigas	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Crassostrea_gigas	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Culex_quinquefasciatus	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Culex_quinquefasciatus	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Danaus_plexippus	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Danaus_plexippus	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Daphnia_pulex	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Daphnia_pulex	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Dendroctonus_ponderosae	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Dendroctonus_ponderosae	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Drosophila_ananassae	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Drosophila_ananassae	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Drosophila_erecta	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Drosophila_erecta	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Drosophila_grimshawi	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Drosophila_grimshawi	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Drosophila_melanogaster	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Drosophila_melanogaster	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Drosophila_mojavensis	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Drosophila_mojavensis	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Drosophila_persimilis	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Drosophila_persimilis	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Drosophila_pseudoobscura	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Drosophila_pseudoobscura	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Drosophila_sechellia	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Drosophila_sechellia	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Drosophila_simulans	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Drosophila_simulans	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Drosophila_virilis	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Drosophila_virilis	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Drosophila_willistoni	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Drosophila_willistoni	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Drosophila_yakuba	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Drosophila_yakuba	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Heliconius_melpomene	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Heliconius_melpomene	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Helobdella_robusta	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Helobdella_robusta	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Ixodes_scapularis	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Ixodes_scapularis	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Loa_loa	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Loa_loa	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Lottia_gigantea	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Lottia_gigantea	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Lucilia_cuprina	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Lucilia_cuprina	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Megaselia_scalaris	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Megaselia_scalaris	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Melittae_cinxia	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Melittae_cinxia	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Nasonia_vitripennis	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Nasonia_vitripennis	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Nematostella_vectensis	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Nematostella_vectensis	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Octopus_bimaculoides	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Octopus_bimaculoides	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Onchocerca_volvulus	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Onchocerca_volvulus	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Pediculus_humanus	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Pediculus_humanus	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Pristionchus_pacificus	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Pristionchus_pacificus	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Rhodnius_prolixus	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Rhodnius_prolixus	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Schistosoma_mansoni	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Schistosoma_mansoni	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Solenopsis_invicta	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Solenopsis_invicta	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Strigamia_maritima	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Strigamia_maritima	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Strongylocentrotus_purpuratus	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Strongylocentrotus_purpuratus	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Tetranychus_urticae	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Tetranychus_urticae	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Tribolium_castaneum	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Tribolium_castaneum	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Trichinella_spiralis	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Trichinella_spiralis	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Trichoplax_adhaerens	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Trichoplax_adhaerens	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Zootermopsis_nevadensis	cisBP	2019-06_v2.00	Non-vertebrate Metazoa	cisBP Zootermopsis_nevadensis	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
ArabidopsisPBM	ArabidopsisPBM	2015-11	Plants	Motifs derived from protein-binding microarrays (PBMs)	<a href="http://www.pnas.org/content/111/6/2367.abstract">http://www.pnas.org/content/111/6/2367.abstract</a>
Athamap	Athamap	2015-11	Plants	Compiled motifs from databases and literature	<a href="http://www.athamap.de/">http://www.athamap.de/</a>
cistrome	cistrome	2016-06	Plants	Motifs derived from DNA affinity purification sequencing (DAP-seq), a high-throughput TF binding site discovery method that interrogates genomic DNA with in-vitro-expressed TFs	<a href="http://neomorph.salk.edu/dev/pages/shhuang/dap_web/pages/index.php">http://neomorph.salk.edu/dev/pages/shhuang/dap_web/pages/index.php</a>
cisBP_A_thaliana	cisBP	2015-06_v1.02	Plants	cisBP a_thaliana	<a href="http://cisbp.ccb.utoronto.ca/">http://cisbp.ccb.utoronto.ca/</a>
footprintDB-plants	footprintDB	2020-01	Plants	Metadatabase of curated motifs from public databases and the literature [only plant DNA motifs]	<a href="http://foresta.eead.csic.es/footprintdb">http://foresta.eead.csic.es/footprintdb</a>
jaspar_core_nonredundant_plants	Jaspar	2020	Plants	Curated, non-redundant set of profiles, derived from published collections of experimentally defined transcription factor binding sites for eukaryotes.	<a href="http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_plants_non-redundant_pfms_transfac.txt">http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_plants_non-redundant_pfms_transfac.txt</a>
jaspar_core_redundant_plants	Jaspar	2020	Plants	Curated set of profiles, derived from published collections of experimentally defined transcription factor binding sites for eukaryotes.	<a href="http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_plants_redundant_pfms_transfac.txt">http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_plants_redundant_pfms_transfac.txt</a>
RSAT_nonredundant_plants	RSAT	2017	Plants	Non-redundant collection obtained by automatic clustering of many external databases with RSAT matrix-clustering	<a href="http://pedagogix-tagc.univ-mrs.fr/rsat/data/published_data/Castro_2016_matrix-clustering/">http://pedagogix-tagc.univ-mrs.fr/rsat/data/published_data/Castro_2016_matrix-clustering/</a>
cisBP_Arabidopsis_thaliana	cisBP	2019-09_v2.00	Plants	cisBP Arabidopsis_thaliana	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Aegilops_tauschii	cisBP	2019-06_v2.00	Plants	cisBP Aegilops_tauschii	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>
cisBP_Amborella_trichopoda	cisBP	2019-06_v2.00	Plants	cisBP Amborella_trichopoda	<a href="http://cisbp.ccb.utoronto.ca/bulk.php">http://cisbp.ccb.utoronto.ca/bulk.php</a>

Origin and brief description of the motif collections integrated in RSAT					
Collection name	Database name	Version	Category	Brief description	URL of origin of the data
cisBP_Arabidopsis_lyrata	cisBP	2019-06_v2.00	Plants	cisBP Arabidopsis_lyrata	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Brachypodium_distachyon	cisBP	2019-06_v2.00	Plants	cisBP Brachypodium_distachyon	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Brassica_napus	cisBP	2019-06_v2.00	Plants	cisBP Brassica_napus	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Brassica_oleracea	cisBP	2019-06_v2.00	Plants	cisBP Brassica_oleracea	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Brassica_rapa	cisBP	2019-06_v2.00	Plants	cisBP Brassica_rapa	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Chlamydomonas_reinhardtii	cisBP	2019-06_v2.00	Plants	cisBP Chlamydomonas_reinhardtii	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Cucumis_sativus	cisBP	2019-06_v2.00	Plants	cisBP Cucumis_sativus	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Fragaria_vesca	cisBP	2019-06_v2.00	Plants	cisBP Fragaria_vesca	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Glycine_max	cisBP	2019-06_v2.00	Plants	cisBP Glycine_max	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Gossypium_raidmondii	cisBP	2019-06_v2.00	Plants	cisBP Gossypium_raidmondii	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Helianthus_annuus	cisBP	2019-06_v2.00	Plants	cisBP Helianthus_annuus	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Hordeum_vulgare	cisBP	2019-06_v2.00	Plants	cisBP Hordeum_vulgare	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Leersia_perrieri	cisBP	2019-06_v2.00	Plants	cisBP Leersia_perrieri	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Manihot_esculenta	cisBP	2019-06_v2.00	Plants	cisBP Manihot_esculenta	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Medicago_truncatula	cisBP	2019-06_v2.00	Plants	cisBP Medicago_truncatula	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Musa_acuminata	cisBP	2019-06_v2.00	Plants	cisBP Musa_acuminata	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Oryza_barthii	cisBP	2019-06_v2.00	Plants	cisBP Oryza_barthii	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Oryza_brachyantha	cisBP	2019-06_v2.00	Plants	cisBP Oryza_brachyantha	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Oryza_glaberrima	cisBP	2019-06_v2.00	Plants	cisBP Oryza_glaberrima	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Oryza_glumaepatula	cisBP	2019-06_v2.00	Plants	cisBP Oryza_glumaepatula	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Oryza_indica	cisBP	2019-06_v2.00	Plants	cisBP Oryza_indica	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Oryza_longistaminata	cisBP	2019-06_v2.00	Plants	cisBP Oryza_longistaminata	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Oryza_meridionalis	cisBP	2019-06_v2.00	Plants	cisBP Oryza_meridionalis	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Oryza_nivara	cisBP	2019-06_v2.00	Plants	cisBP Oryza_nivara	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Oryza_punctata	cisBP	2019-06_v2.00	Plants	cisBP Oryza_punctata	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Oryza_rufipogon	cisBP	2019-06_v2.00	Plants	cisBP Oryza_rufipogon	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Oryza_sativa	cisBP	2019-06_v2.00	Plants	cisBP Oryza_sativa	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Ostreococcus_lucimarinus	cisBP	2019-06_v2.00	Plants	cisBP Ostreococcus_lucimarinus	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Phaseolus_vulgaris	cisBP	2019-06_v2.00	Plants	cisBP Phaseolus_vulgaris	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Physcomitrella_patens	cisBP	2019-06_v2.00	Plants	cisBP Physcomitrella_patens	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Populus_trichocarpa	cisBP	2019-06_v2.00	Plants	cisBP Populus_trichocarpa	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Prunus_mume	cisBP	2019-06_v2.00	Plants	cisBP Prunus_mume	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Prunus_persica	cisBP	2019-06_v2.00	Plants	cisBP Prunus_persica	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Selaginella_moellendorffii	cisBP	2019-06_v2.00	Plants	cisBP Selaginella_moellendorffii	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Setaria_italica	cisBP	2019-06_v2.00	Plants	cisBP Setaria_italica	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Solanum_lycopersicum	cisBP	2019-06_v2.00	Plants	cisBP Solanum_lycopersicum	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Solanum_tuberosum	cisBP	2019-06_v2.00	Plants	cisBP Solanum_tuberosum	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Sorghum_bicolor	cisBP	2019-06_v2.00	Plants	cisBP Sorghum_bicolor	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Triticum_aestivum	cisBP	2019-06_v2.00	Plants	cisBP Triticum_aestivum	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Triticum_urartu	cisBP	2019-06_v2.00	Plants	cisBP Triticum_urartu	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Vitis_vinifera	cisBP	2019-06_v2.00	Plants	cisBP Vitis_vinifera	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
cisBP_Zea_mays	cisBP	2019-06_v2.00	Plants	cisBP Zea_mays	<a href="http://cisbp.cabr.utoronto.ca/bulk.php">http://cisbp.cabr.utoronto.ca/bulk.php</a>
DBTBS	DBTBS	2015-11	Prokaryotes	Curated Bacillus subtilis motifs obtained by compiling individual experimentally-derived cis-regulatory elements	<a href="http://dbtbs.hgc.jp/">http://dbtbs.hgc.jp/</a>
regulonDB	regulonDB	2015_08	Prokaryotes	Motifs inferred from the curated compilation of binding sites (Escherichia coli K-12)	<a href="http://regulondb.ccg.unam.mx/">http://regulondb.ccg.unam.mx/</a>
ATIRACT	ATIRACT	2017	RNA binding	Motifs compiled from hand-curated experimentally validated data from CISBP-RNA, SpliceAid-F, RBPDB, ASD databases, and predicted from Protein-RNA complexes present in Protein Data Bank database through computational analyses.	<a href="https://attract.cnic.es/download">https://attract.cnic.es/download</a>
RBPDB	RBPDB	2017	RNA binding	Collection of experimental observations of RNA-binding sites, both in vitro and in vivo, manually curated from primary literature	<a href="http://rbpdb.cabr.utoronto.ca/downloads/PFMDir.zip">http://rbpdb.cabr.utoronto.ca/downloads/PFMDir.zip</a>
CISBP-RNA	cisBP	2017	RNA binding	Catalog of Inferred Sequence Binding Proteins of RNA (CISBP-RNA) is a library of RNA binding protein (RBP) motifs and specificities.	<a href="http://cisbp-rna.cabr.utoronto.ca/">http://cisbp-rna.cabr.utoronto.ca/</a>
ENCODE	ENCODE	2018-03	Vertebrates	Motif analysis for 427 human ENCODE ChIP-seq data	<a href="https://www.ncbi.nlm.nih.gov/pubmed/24335146">https://www.ncbi.nlm.nih.gov/pubmed/24335146</a>
epigram	epigram	2016-06	Vertebrates	cis elements represent interactions with the site-specific DNA-binding factors that establish and maintain epigenomic modifications.	<a href="http://wanglab.ucsd.edu/star/epigram/">http://wanglab.ucsd.edu/star/epigram/</a>
Hocomoco_human	Hocomoco	2017-10	Vertebrates	Motifs discovered with the program ChIPMunk on ChIP-seq datasets	<a href="http://hocomoco11.autosome.ru/">http://hocomoco11.autosome.ru/</a>
Hocomoco_mouse	Hocomoco	2017-10	Vertebrates	Motifs discovered with the program ChIPMunk on ChIP-seq datasets	<a href="http://hocomoco11.autosome.ru/">http://hocomoco11.autosome.ru/</a>
Homer	Homer	2016-07	Vertebrates	Homer (Human TF motifs)	<a href="http://homer.salk.edu/homer/motif/motifDatabase.html">http://homer.salk.edu/homer/motif/motifDatabase.html</a>
hPDI	hPDI	2016-06	Vertebrates	hPDI (Human TFs identified by protein microarray assays)	<a href="http://bioinfo.wilmer.jhu.edu/PDI/">http://bioinfo.wilmer.jhu.edu/PDI/</a>

Origin and brief description of the motif collections integrated in RSAT					
Collection name	Database name	Version	Category	Brief description	URL of origin of the data
HT_Methyl_Select	HT_Select	2018-03	Vertebrates	Binding specificities of full-length transcription factors and extended DNA binding domains to unmethylated and CpG-methylated DNA by using methylation-sensitive SELEX	<a href="http://science.sciencemag.org/content/356/6337/eaaj2239.long">http://science.sciencemag.org/content/356/6337/eaaj2239.long</a>
HT_Select	HT_Select	2018-03	Vertebrates	Binding specificities of full-length transcription factors and extended DNA binding domains to unmethylated and CpG-methylated DNA by using methylation-sensitive SELEX	<a href="http://science.sciencemag.org/content/356/6337/eaaj2239.long">http://science.sciencemag.org/content/356/6337/eaaj2239.long</a>
Jolma_2013	Jolma	2015-11	Vertebrates	Sequence-specific binding of human TFs using high-throughput SELEX and CHIP sequencing	<a href="http://www.cell.com/abstract/S0092-8674%2812%2901496-1">http://www.cell.com/abstract/S0092-8674%2812%2901496-1</a>
Human TFs dimers	Jolma	2016-05	Vertebrates	Human TF dimers (Human TFs dimers) Cooperative binding of multiple TFs: CAP-SELEX analysis of 9,400 TF-DNA interactions	<a href="http://www.nature.com/nature/journal/v527/n7578/full/nature15518.html">http://www.nature.com/nature/journal/v527/n7578/full/nature15518.html</a>
NCAP-SELEX	CAP-SELEX	2018-09	Vertebrates	NCAP-SELEX (HUMAN TFs)	<a href="https://doi.org/10.1038/s41586-018-0549-5">https://doi.org/10.1038/s41586-018-0549-5</a>
CAP-SELEX	CAP-SELEX	2018-09	Vertebrates	CAP-SELEX (HUMAN TFs)	<a href="https://doi.org/10.1038/s41586-018-0549-5">https://doi.org/10.1038/s41586-018-0549-5</a>
ZF_Chip-exo	ZF_Chip-exo	2020-07	Vertebrates	ZF_Chip-exo (C2H2 zinc fingers)	<a href="https://www.biorxiv.org/content/10.1101/630756v4">https://www.biorxiv.org/content/10.1101/630756v4</a>
ZF_Chip-seq	ZF_Chip-seq	2020-07	Vertebrates	ZF_Chip-seq (C2H2 zinc fingers)	<a href="https://www.biorxiv.org/content/10.1101/630756v4">https://www.biorxiv.org/content/10.1101/630756v4</a>
MethMotif_A549	MethMotif	2018-11	Vertebrates	Methylated motifs A549 (Human TFs)	<a href="https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233">https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233</a>
MethMotif_GM12878	MethMotif	2018-11	Vertebrates	Methylated motifs GM12878 (Human TFs)	<a href="https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233">https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233</a>
MethMotif_H1-hESC	MethMotif	2018-11	Vertebrates	Methylated motifs H1-hESC (Human TFs)	<a href="https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233">https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233</a>
MethMotif_HCT116	MethMotif	2018-11	Vertebrates	Methylated motifs HCT116 (Human TFs)	<a href="https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233">https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233</a>
MethMotif_HEK293	MethMotif	2018-11	Vertebrates	Methylated motifs HEK293 (Human TFs)	<a href="https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233">https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233</a>
MethMotif_HEK293T	MethMotif	2018-11	Vertebrates	Methylated motifs HEK293T (Human TFs)	<a href="https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233">https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233</a>
MethMotif_HeLa-S3	MethMotif	2018-11	Vertebrates	Methylated motifs HeLa-S3 (Human TFs)	<a href="https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233">https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233</a>
MethMotif_HepG2	MethMotif	2018-11	Vertebrates	Methylated motifs HepG2 (Human TFs)	<a href="https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233">https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233</a>
MethMotif_IMR-90	MethMotif	2018-11	Vertebrates	Methylated motifs IMR-90 (Human TFs)	<a href="https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233">https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233</a>
MethMotif_K562	MethMotif	2018-11	Vertebrates	Methylated motifs K562 (Human TFs)	<a href="https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233">https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233</a>
MethMotif_MCF-7	MethMotif	2018-11	Vertebrates	Methylated motifs MCF-7 (Human TFs)	<a href="https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233">https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233</a>
MethMotif_SK-N-SH	MethMotif	2018-11	Vertebrates	Methylated motifs SK-N-SH (Human TFs)	<a href="https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233">https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233</a>
MethMotif_SNU398	MethMotif	2018-11	Vertebrates	Methylated motifs SNU398 (Human TFs)	<a href="https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233">https://academic.oup.com/nar/advance-article/doi/10.1093/nar/gky1005/5150233</a>
cisBP_human	cisBP	2014-10_v0.9	Vertebrates	CisBP collects data from >25 sources, including other database such as Transfac, JASPAR, HOCOMOCO, FactorBook, UniProbe, Fly Factor Survey, and dozens of additional publications.	<a href="http://cisbp.cibr.utoronto.ca/">http://cisbp.cibr.utoronto.ca/</a>
cisBP_mouse	cisBP	2014-10_v0.9	Vertebrates	CisBP collects data from >25 sources, including other database such as Transfac, JASPAR, HOCOMOCO, FactorBook, UniProbe, Fly Factor Survey, and dozens of additional publications.	<a href="http://cisbp.cibr.utoronto.ca/">http://cisbp.cibr.utoronto.ca/</a>
jaspar_core_nonredundant_vertrebrates	Jaspar	2020	Vertebrates	JASPAR core nonredundant vertrebrates	<a href="http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_vertrebrates_non-redundant_pfms_transfac.txt">http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_vertrebrates_non-redundant_pfms_transfac.txt</a>
jaspar_core_redundant_vertrebrates	Jaspar	2020	Vertebrates	JASPAR core redundant vertrebrates	<a href="http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_vertrebrates_redundant_pfms_transfac.txt">http://jaspar2020.genereg.net/download/CORE/JASPAR2020_CORE_vertrebrates_redundant_pfms_transfac.txt</a>
RSAT_nonredundant_vertrebrates	RSAT	2017	Vertebrates	RSAT non-redundant vertrebrates	<a href="http://pedagogix-tagc.univ-mrs.fr/rsat/data/published_data/Castro_2016_matrix-clustering/">http://pedagogix-tagc.univ-mrs.fr/rsat/data/published_data/Castro_2016_matrix-clustering/</a>
cisBP_Ailuropoda_melanoleuca	cisBP	2019-06_v2.00	Vertebrates	cisBP Ailuropoda_melanoleuca	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Anas_platyrhynchos	cisBP	2019-06_v2.00	Vertebrates	cisBP Anas_platyrhynchos	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Astyanax_mexicanus	cisBP	2019-06_v2.00	Vertebrates	cisBP Astyanax_mexicanus	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Bos_taurus	cisBP	2019-06_v2.00	Vertebrates	cisBP Bos_taurus	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Callithrix_jacchus	cisBP	2019-06_v2.00	Vertebrates	cisBP Callithrix_jacchus	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Cavia_porcellus	cisBP	2019-06_v2.00	Vertebrates	cisBP Cavia_porcellus	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Chlorocebus_sabaeus	cisBP	2019-06_v2.00	Vertebrates	cisBP Chlorocebus_sabaeus	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Choloepus_hoffmanni	cisBP	2019-06_v2.00	Vertebrates	cisBP Choloepus_hoffmanni	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Danio_rerio	cisBP	2019-06_v2.00	Vertebrates	cisBP Danio_rerio	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Dasyypus_novemcinctus	cisBP	2019-06_v2.00	Vertebrates	cisBP Dasyypus_novemcinctus	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Dipodomys_ordii	cisBP	2019-06_v2.00	Vertebrates	cisBP Dipodomys_ordii	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Echinops_telfairi	cisBP	2019-06_v2.00	Vertebrates	cisBP Echinops_telfairi	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Equus_caballus	cisBP	2019-06_v2.00	Vertebrates	cisBP Equus_caballus	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Erinaceus_europaeus	cisBP	2019-06_v2.00	Vertebrates	cisBP Erinaceus_europaeus	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Gallus_gallus	cisBP	2019-06_v2.00	Vertebrates	cisBP Gallus_gallus	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Homo_sapiens	cisBP	2019-06_v2.00	Vertebrates	cisBP Homo_sapiens	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Mus_musculus	cisBP	2019-06_v2.00	Vertebrates	cisBP Mus_musculus	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Oreochromis_niloticus	cisBP	2019-06_v2.00	Vertebrates	cisBP Oreochromis_niloticus	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Rattus_norvegicus	cisBP	2019-06_v2.00	Vertebrates	cisBP Rattus_norvegicus	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>
cisBP_Xenopus_tropicalis	cisBP	2019-06_v2.00	Vertebrates	cisBP Xenopus_tropicalis	<a href="http://cisbp.cibr.utoronto.ca/bulk.php">http://cisbp.cibr.utoronto.ca/bulk.php</a>