

TRANSFAC® Professional vs. Public

TRANSFAC® Professional is an internationally unique knowledgebase containing published data on eukaryotic transcription factors and their regulated genes, coupled with transcription factor binding site prediction tools for advanced research. The professional version content is more than ten years ahead of the public release and includes data and analysis capabilities not available in the public version.

TRANSFAC®	Professional (version 2023.2)	Public
Data		
Factors	48,255	6,133
miRNAs	1,772	n/a
DNA sites	50,898	7,195
mRNA sites	67,714	n/a
Factor-DNA site links	68,911	Yes
miRNA-mRNA site links	74,564	n/a
Genes	102,970	2,397
ChIP-Seq fragments	112,344,360	n/a
Matrices	10,706	398
References	45,144	Yes
Promoter sequences	453,113	n/a
Enhancer / silencer sequences	229,368	n/a
Search Options		
Use of Boolean operators / advanced filtering	Yes	No
Ontology search	Yes	No
Customizable / exportable search results	Yes	No
Export in FASTA and BED format	Yes	No
Analysis Capabilities		
MATCH Suite: toolbox to analyze syntax and semantics of gene regulation	Yes	No
Analysis workflows for ChIP-Seq and RNA-Seq data	Yes	No
Analyze included promoter sequences with Match™, F-Match and Composite Model Search	Yes	No
Identify shared functional attributes	Yes	No
Data Download		
Flat file and JSON format data files	Yes	No
Match™, Patch™, and Catch™ algorithms	Yes	No