RED FLY

Regulatory Element Database for *Drosophila*

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REDfly is a curated portal for *Drosophila cis*-regulatory data with records for empirically validated **cis-regulatory modules** (CRMs, "enhancers") and **transcription factor binding sites** (TFBSs) from the published literature. **REDfly** currently covers more than:

42,300 total records

24,500 'minimal' CRMs from in vivo reporter assays

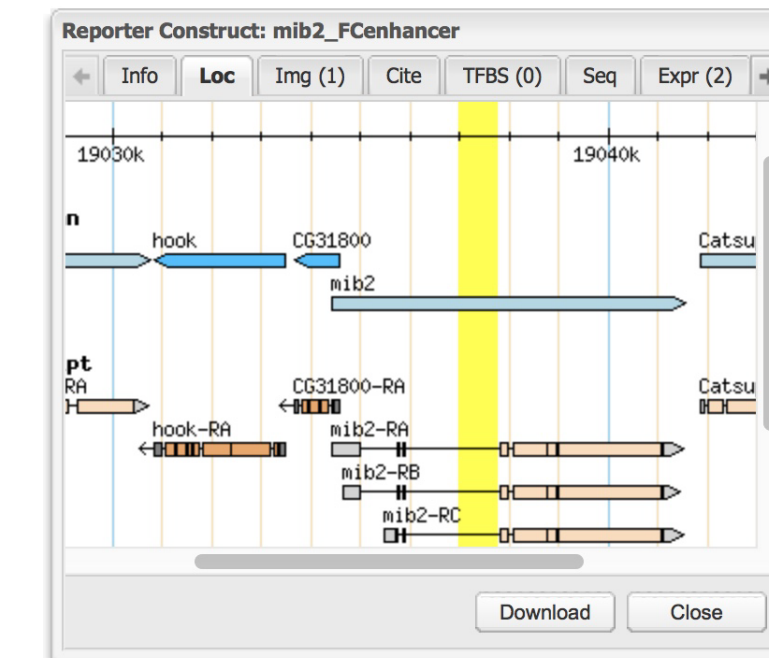**2600** mapped transcription factor binding sites

8000 predicted CRMs

1100 curated publications
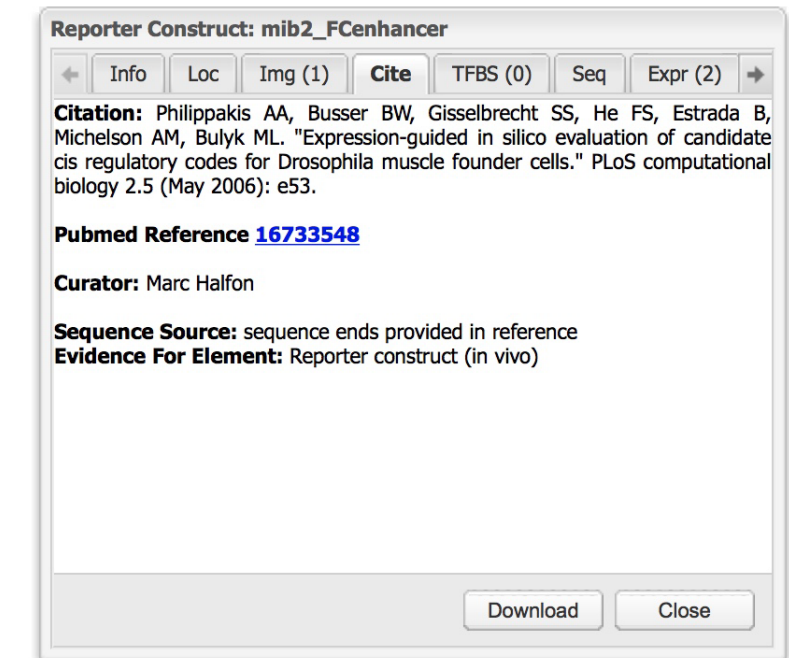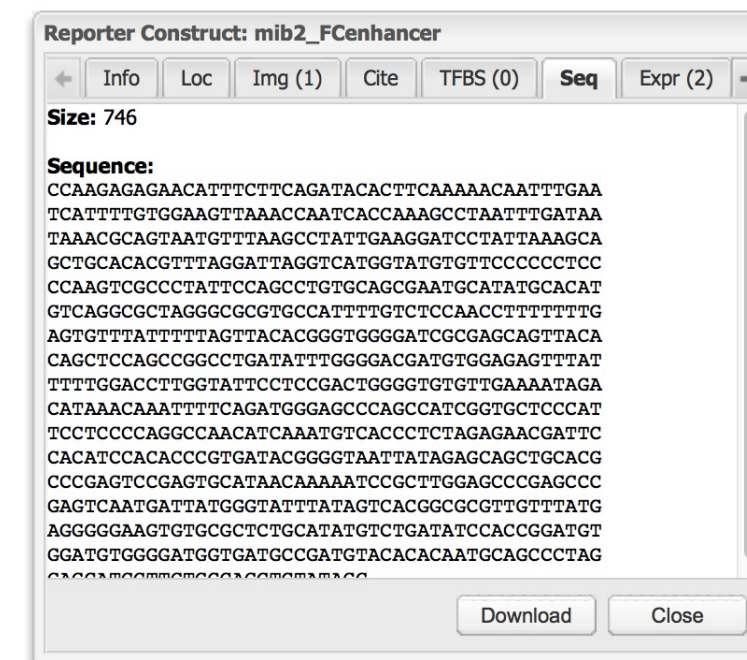
1580 genes with one or more associated features
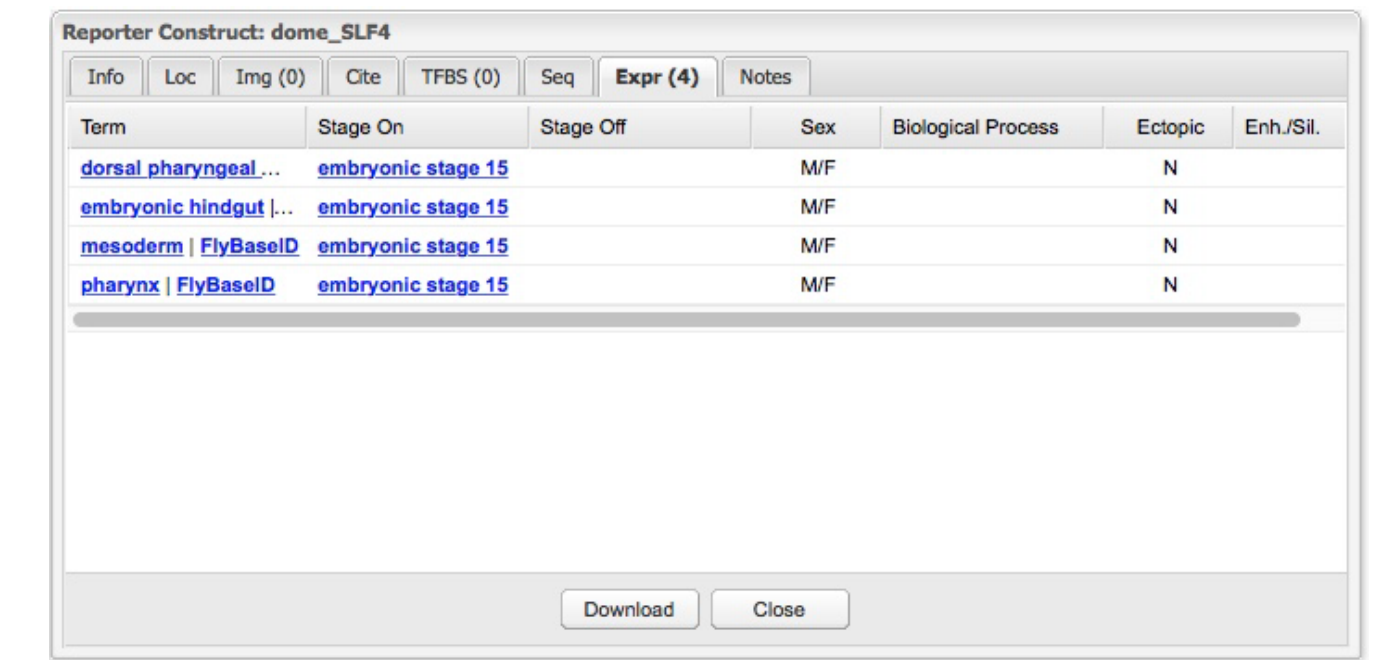
...and growing

Info

Reporter Construct: mib2_FCenhancer
Info | Loc | Img (1) | Cite | TFBS (0) | Seq | Expr (2)

Release 6 Coordinates: 2L:19036996..19037741

Previous Coordinates

Species: Drosophila melanogaster
Gene Name: mib2 (Flybase | Flymine)
FBTP ID: None
Expression: Positive
Is CRM: Yes
Is Minimized: Yes

RedFly ID: RFRC:0000000658.003
Last Update: 2012-09-19 10:48:45

Browser Links: GBrowse | UCSC

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Browser

Reporter Construct: mib2_FCenhancer
Info | Loc | Img (1) | Cite | TFBS (0) | Seq | Expr (2)

19036k ... 19040k
n ... hook ... CG31800 ... Catsu
mib2
pt
RA ... CG31800-RA ... Catsu
hook-RA ... mib2-RA
mib2-RB
mib2-RC

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Citation & Evidence

Reporter Construct: mib2_FCenhancer
Info | Loc | Img (1) | Cite | TFBS (0) | Seq | Expr (2)

Citation: Philippakis AA, Busser BW, Gisselbrecht SS, He FS, Estrada B, Michelson AM, Bulyk ML. "Expression-guided in silico evaluation of candidate cis regulatory codes for Drosophila muscle founder cells." PLoS computational biology 2.5 (May 2006): e53.

Pubmed Reference 16733548

Curator: Marc Halfon

Sequence Source: sequence ends provided in reference
Evidence For Element: Reporter construct (in vivo)

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Sequence

Reporter Construct: mib2_FCenhancer
Info | Loc | Img (1) | Cite | TFBS (0) | Seq | Expr (2)

Size: 746

Sequence:
CCAAGAGAGAACATTCTTCAGATACACTTCAAAAACAATTTGAA
TCATTTTGTGGAAGTTAAACCAATCACCAAAGCCTAATTTGATAA
TAAACGCAGTAATGTTTAAGCCTATTGAAGGATCCTATTAAAGCA
GCTGCACACGTTTAGGATTAGGTCATGGTATGTGTTCCCCCCTCC
CCAAGTCGCCCTATTCCAGCCTGTGCAGCGAATGCATATGCACAT
GTCAGGCGCTAGGGCGCGTGCCATTTTGTCTCCAACCTTTTTTTG
AGTGTTTATTTTTAGTTACACGGGTGGGGATCGCGAGCAGTTACA
CAGCTCCAGCCGGCCTGATATTTGGGGACGATGTGGAGAGTTTAT
TTTTGGACCTTGGTATTCCTCCGACTGGGGTGTGTTGAAAATAGA
CATAAACAAATTTCAGATGGGAGCCCAGCCATCGGTGGCTCCCAT
TCCTCCCCAGGCCAACATCAAATGTCACCCTCTAGAGAACGATTC
CACATCCACACCCGTGATACGGGGTAATTATAGAGCAGCTGCACG
CCCGAGTCCGAGTGCATAACAAAAATCCGCTTGGAGCCCGAGCCC
GAGTCAATGATTATGGGTATTTATAGTCACGGCGCGTTGTTTATG
AGGGGGAAGTGTGCGCTCTGCATATGTCTGATATCCACCGGATGT
GGATGTGGGGATGGTGATGCCGATGTACACACAATGCAGCCCTAG

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Expression, Staging, GO, Sex, Ectopic

Reporter Construct: dome_SLF4
Info | Loc | Img (0) | Cite | TFBS (0) | Seq | Expr (4) | Notes

Term	Stage On	Stage Off	Sex	Biological Process	Ectopic	Enh./Sil.
dorsal pharyngeal ...	embryonic stage 15		M/F		N	
embryonic hindgut | ...	embryonic stage 15		M/F		N	
mesoderm | FlyBaseID	embryonic stage 15		M/F		N	
pharynx | FlyBaseID	embryonic stage 15		M/F		N	

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