

Fly Promoter Library Information

Fly Promoter Library (FlyProm.lib) Contains high-quality matches to combinations of core promoter consensus. If you find a match to one of these features right upstream of a gene, this match must be taken seriously.

Fly Promoter Mismatch Library (FlyPromMM.lib) Same library as above, but each feature now allows a single mismatch. For example, if you find INR+DPE with this library, and not with the perfect matching library listed above, then the match to either the INR or DPE consensus is off by one nucleotide. This library will yield many more matches than the library above, and it will take GenePalette longer to compile the list of matches. For best results, we suggest that you (1) trim the sequence down to the smallest sequence that you want to search, and (2) only look for features that contain a combination of 2 elements (look for INR+DPE, and INR+MTE, but not INR+DPE+MTE).

Core Promoter Elements Library (CorePromElem.lib) This library has each of the core promoter elements separated into individual features. These features are useful as a last resort, and for figuring out how elements are arrayed in the combined features in the libraries above.

Promoter Libraries were created by Thomas Boulay (Kadonaga Lab) and Mark Rebeiz. Questions about the promoter libraries can be directed to mrebeiz@ucsd.edu