

Evaluation of RNAi reagents

This E-RNAi option allows to evaluate/re-map existing long dsRNA- or siRNA sequences.

Page contents

- Selection of reagent and organism
- Paste or upload a reagent sequence

Selection of reagent and organism

Evaluation of dsRNA sequences [Help]

1. Select type of RNAi reagent

long dsRNA

2. Select organism

D. melanogaster (FlyBase r5.19)

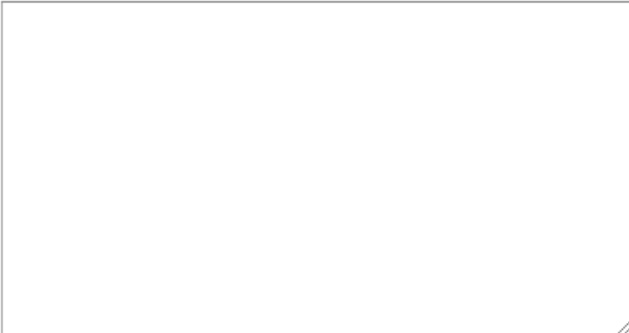
3. Enter dsRNA nucleotide sequences in raw or FASTA format (max. 50 sequences), in raw format newlines separate different queries...

... or upload a file in FASTA format (*.fa, *.fasta and *.txt)

Choose File no file selected

[Help]

Examples: [FASTA](#), [RAW](#)



Reset

Submit

Select type of RNAi reagent

Choose **long dsRNAs** for the evaluation of long dsRNAs (including esiRNAs) or **siRNAs** for the evaluation of short interfering RNAs.

Select organism

Select the organism used for the RNAi experiment.

Paste or upload a reagent sequence

It is recommended to paste reagent sequences in [FASTA](#) format. Raw sequences can also be pasted, however a query sequence must not contain any newline (each newline is interpreted as new query by E-RNAi).

Alternatively, reagent sequences can also be uploaded from file. Files must contain sequences in FASTA format and *.fa, *.fasta and *.txt file extensions are allowed only.

In the example below three reagent sequences from the HFA/DRSCv1 library were pasted in FASTA format.

Evaluation of dsRNA sequences [Help]

1. Select type of RNAi reagent

long dsRNA

2. Select organism

D. melanogaster (FlyBase r5.19)

3. Enter dsRNA nucleotide sequences in raw or FASTA format (max. 50 sequences), in raw format newlines separate different queries...

... or upload a file in FASTA format (*.fa, *.fasta and *.txt)

Choose File no file selected

[Help]

Examples: FASTA, RAW

```
>HFA11000
AAAAATGGCCGAGAGCTTGTGCAATGAGATCAAGAGACTGCACAAG
CGCAAACAGCTGCCGATCACTTCGTCCGGCCTTGGAAACGCATGCAG
GATTCGGAGTCCAGCGGATCGGAGATGGGTCCAGAGAGTCCCGCC
CGCCCCGACAGTCCACAGAACCTGATCCGCCACGGCGAAAAGGCC
CTGTTACGTTCAAGCAGGTGCAGCTCATTGCGAGAGCATGATCA
AGGAGCGCGAGAATCAGCTAAGGGAGCGCTACGAGTCCGTGCTGA
CCACCAAGCTGGCCGAGCAGTACGATGCCTTTGTCAAGTTCACATA
TGATCAGATACAGCCCTCCCTACGAGGCAGCGCCTA
>HFA12141
AACGCCGCCCAAAAGCCATTGAGGGCTATGCAATTGAACGCCAA
TGGCCATGGCCTGGAGCCAGATTACGCTGTAGCACGAGGCAGCG
CCAACCAACCGCTCCGTACGGTGGCTCTCTGGTAAAGATTGCTGGA
GCACCAATGCCGCCACGGCTCCCCGGTCAAGGATATCCCATTCAA
CGCCCGACAGGCCAGCATACCATCACCAGTCGGCCCAAACCTTA
```

Reset

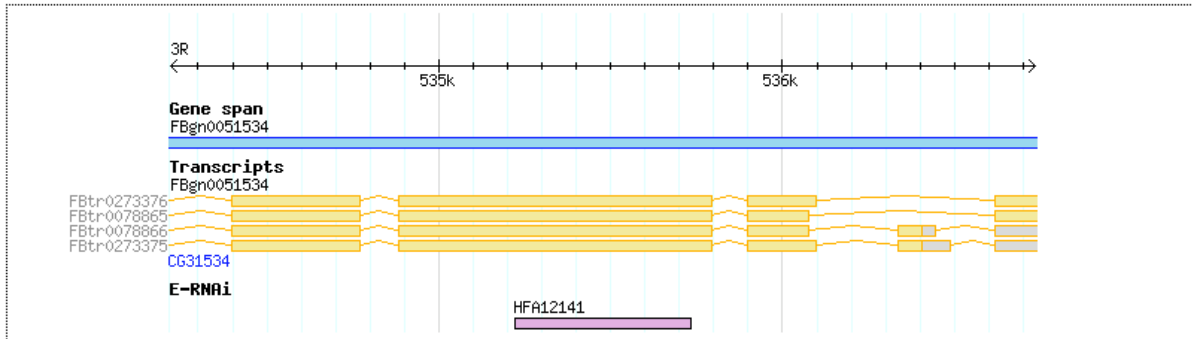
Submit

After submitting the query, E-RNAi shows the queried reagent sequences as genome browser visualization (if they could be mapped).

Evaluation: sequence selection

Please select RNAi reagents for evaluation.

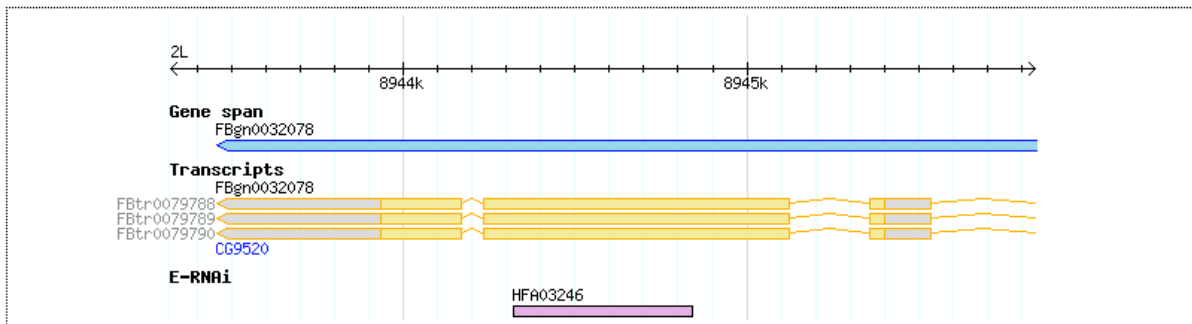
Query HFA12141



>HFA12141

```
AACGCCGCCACAAAGCCATTGAGGGCTATGCAATTGAACGCCAATGGCCATGGCCTGGAGCCAGATTACGCTGTTAGCACGAGGCAGGCCAACCCCG  
GCTCCGTACGGTGGCTCTCTGTTAAAGATTGCTGGAGCACCAATGCCGCCACGGCTCCCGGTCAAGGATATCCCATTCAAGCGCCGACAGCCAGCAT  
ACCATCACCAGTCGGCCCAAACTTAAGCAATATGTCCAGAACACATTGCTCGCTTGGAGTCCACCCCAAAACAAAATACGGGACGGATGGGTGCA  
GGTGACAGCAGCGGAAGATTATGACAGCCAACAGACCAGCGATGGCGGTTGGCTGGCCGCTCAGCAGCAAAAGCGCAAAATCCATGCCTGACTACGGCGGA  
GCACCTACAATAACAACCACTGGCTACTGCAGGAGCGGAGCAGCGCATCGAGCAACTTAATCGGCGATCTATACCAGCCAGCAAGTCGATGGGCA  
AACCGCTGCCCGATT
```

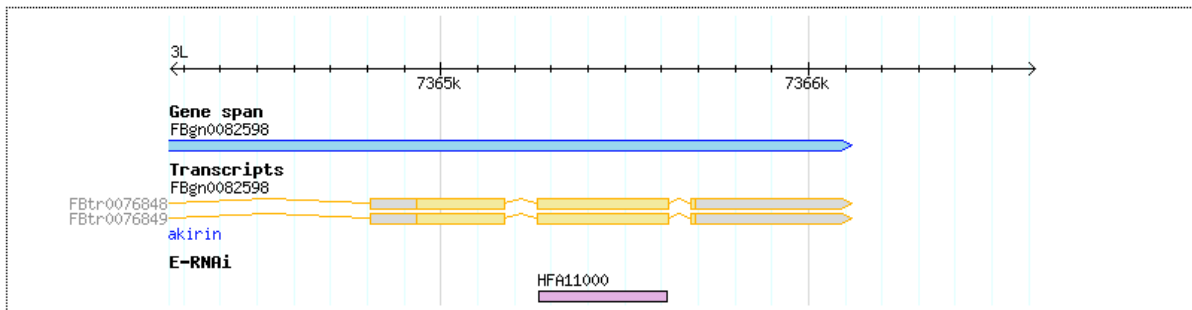
Query HFA03246



>HFA03246

```
AAAGAAGCGACCCCGACCGTTTGGTCTCGCGAGTCCCCAGCGAGCAGCTTTACATTCTGCAGACATTTGCCAATCTCCACGTCTCAGCACCCGAGTTA  
TCCGACTTGCACAGCTTCGGATTGGGCAGGGCTTCGACCACAAAGCGACGCACAGCCTCCCGGCTGAGAACGTAGCCGGCACCCTGGGACATGTAGCCTT  
GTTTACAGTACGGCTTGAACCTGACAGCCGAAGTAGACTGGAGTTTCCGGACTGTACGGATACAGCATGTATCGCATGTTCTCCACTATCGTGTATGTGC  
ATCGTCAGCTTTCAGAACCACTCGCGCTCGTTGATGTATGCTCGTAGATGTTTGTAGGCCCTCCTCGCTTGCCTTGCCTTGCCTTGCCTTGCCTTGC  
CCTACGGCAGAGCCACTCGCTCCAGCTCGTCTGCTTGGCGGAGCTCATAAAGTACAGCTTGTGCAACGCTTGCCTCAGGTGCGCTTCCAGTGGCGCG  
CCTTCTTCTGATGGTGTCTCG
```

Query HFA11000



>HFA11000

```
AAAATGGCCGAGAGCTTGTGCAATGAGATCAAGAGACTGCACAAGCGCAAAACAGCTGCCGATCACTTCGTGGCCTTGGAAACGCATGCAGGATTCCGGAGT  
CCAGCGGATCGGAGATGGGTCCAGAGATCCCGCCCGCCCGGACAGTCCACAGAACCATGATGCCCCAGGGCGAAAAGGCCCTGTTACAGTTCAAGCAGGT  
GCAGCTCATTTCGAGAGCATGATCAAGGAGCGCGAAGTACAGCTAAGGGAGCGCTACGAGTCCGTGCTGACCACCAAGCTGGCCGAGCAGTACAGTCC  
TTTGTCAAGTTACATATGATCAGATACAGCGTCTACGAGGACAGCGCTA
```

Submit Selection

The 'Submit Selection' button links to the [settings page](#).