

Tested Fragments

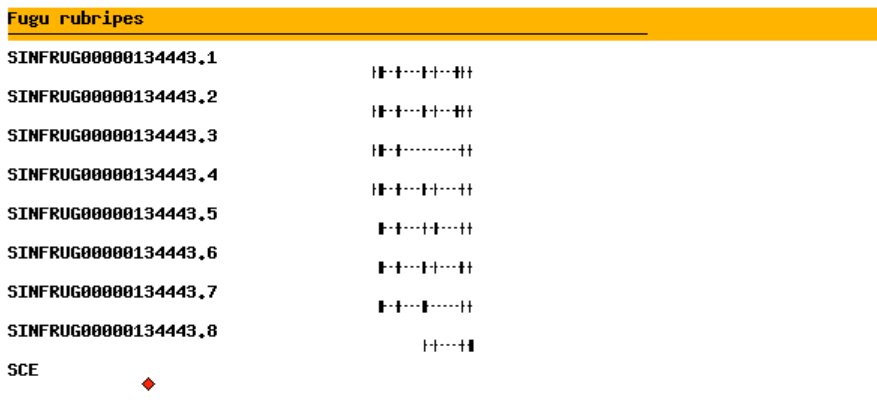
Regions within gene structure context, details of conserved regions, sequences of conserved regions, and multiple alignments of conserved element.

Fragment Pax2_31027

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



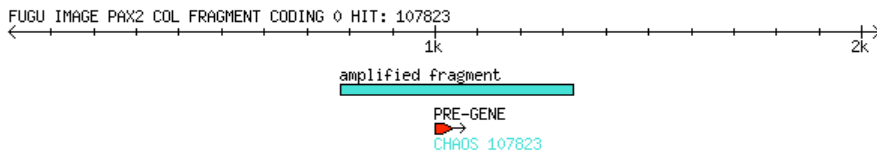
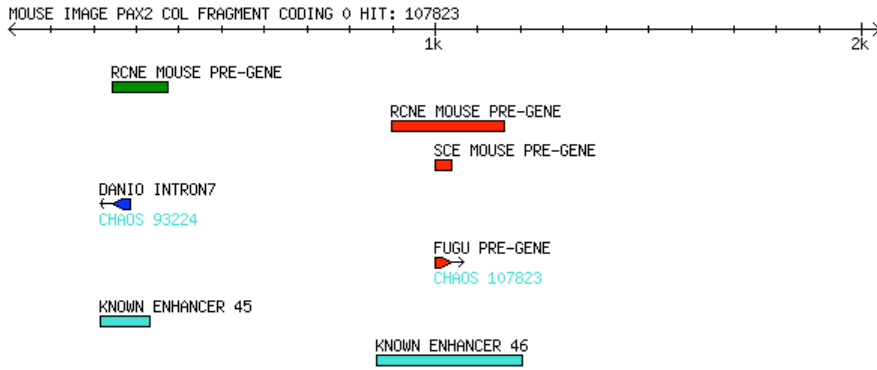
Conserved regions shown within 2000bp context

The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES

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>fugu_fragment_for_primer_design_31027
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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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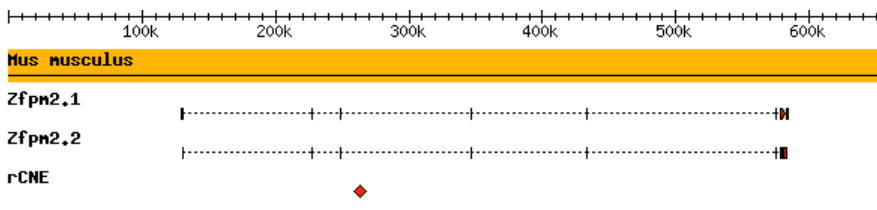
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Fragment Zfpm2_23818

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



Conserved regions shown within 2000bp context

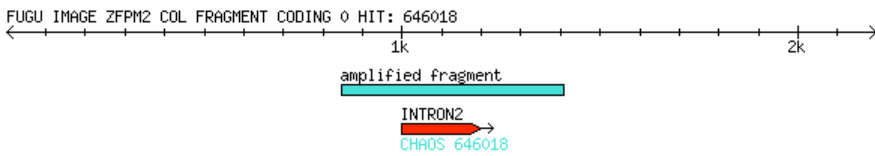
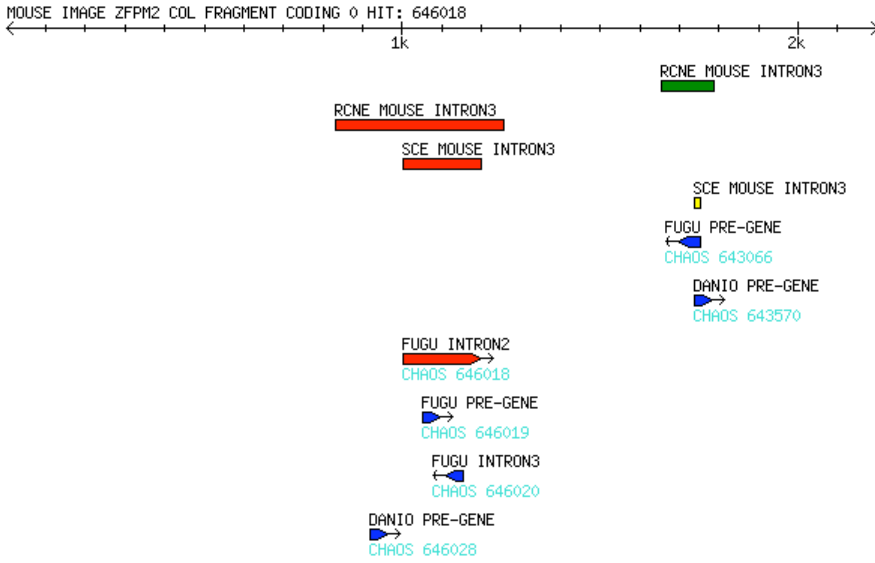
The mouse context contains:

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- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test

-CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES

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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

ENSRNOG0000004109	GAATAGTAGATGATACTGGTGTAAAGAGCTCAATAG--AGCTCTCAGAAGTAGAGCAAATG
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ENSCAFG0000000678	GAATGGTGGATGATACTGGTAT-----TCAATAGGGAGCTCTTAAAAATAGACCAAATG
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ENSCAFG0000000678         GGATTTAATGGTGGGGTGGATTATAGAAATCCATGTAACAATGTTAAATAATTATAGTTC
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ENSG00000169946         CAGCCGAGATCAAAGCAGTGTGATTGAAGGCCCTCAAGCTGTTAACATGAAGTATCTTG
ENSCAFG0000000678         CAGCCGAGATCAAAGCAGTGTGATTGAAGGCCCTCAAGCTGTTAGCACGAAGTATCTTG
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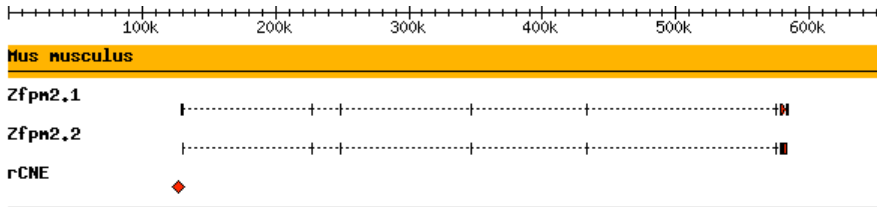
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Fragment Zfpm2_23838

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



Conserved regions shown within 2000bp context

The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test

AAACGGGGGAATGGCATAAGCTACATAGACACCTAATTATAAAGGATAACCCAGATATG
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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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ENSCAFG00000000678	CAGTCTGGTTATTTTATCAATCTTGC-TTGAATTCCTGACTTTTGTCTCCTTTAGCTTT
ENSMUSG00000022306	TACTCTGGTTATTTTATCAACCTTTCCTTAAATATCTGACTTTTATTCTTTAGCTTT
SINFRUG00000124894	--CCTGATTTATTTTCCAATCTTTCCTGATATCTCTGGCTCTGTTTCT-----
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ENSMUSG00000022306	TAACTGAATATTTAGCTGAGATTTATTTGTTTCTTTTGCATTTGCATATTTAACCACT
SINFRUG00000124894	-----
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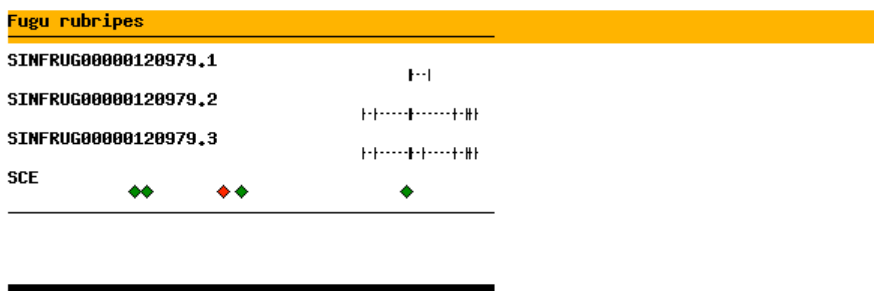
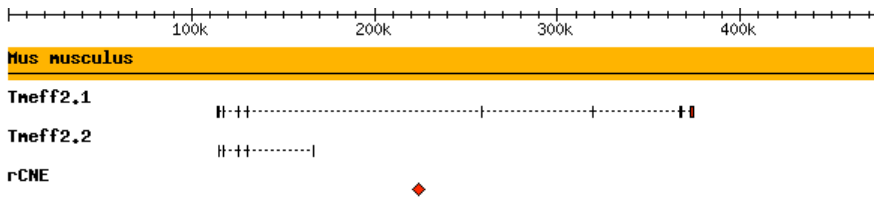
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Fragment Tmeff2_26014

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



Conserved regions shown within 2000bp context

The mouse context contains:

-rCNEs green boxes, in red the one considered for this test

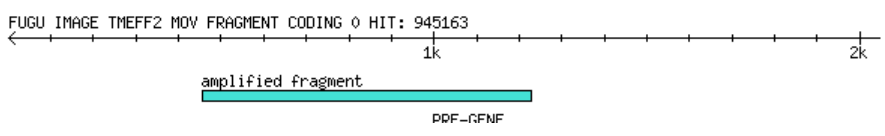
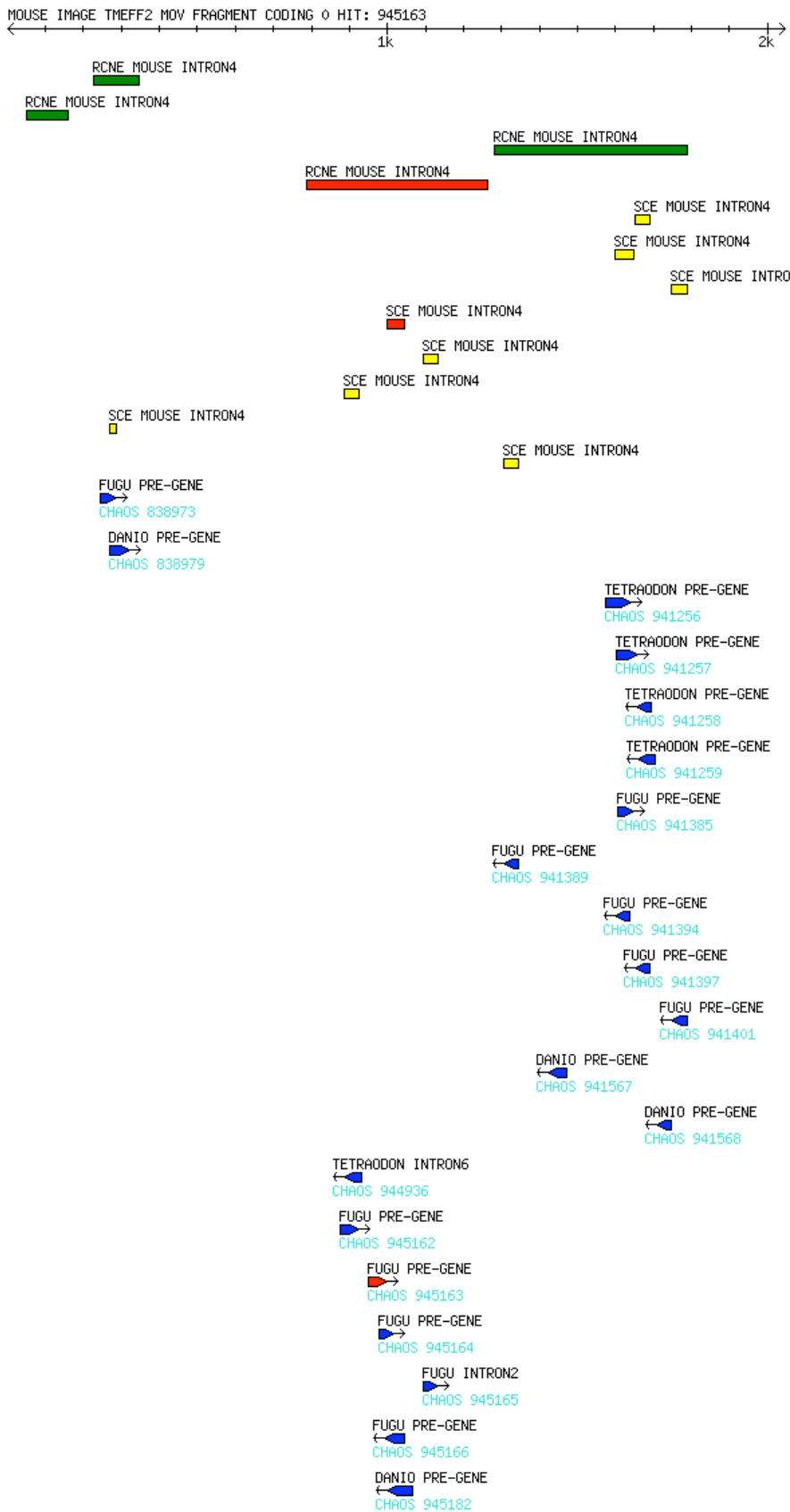
-SCEs yellow boxes, in red the one considered for this test

-CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

-the fragment amplified in this test

-CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES

>fugu_fragment_for_primer_design_26014

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GACAATAAACTTGAAGCTGGGCCCTTTTATATAGCATTTATCTTTAGTTAAACAAATATGG
AAACTATGAGTCACCCGCTAACCTCTGTAAAAGTTTTACAACCTTTTACTATTAATAAAAC
ATGGAGCGGTACACAGGACTCAGACTTCTCTCATTTGAAATATGCAGCAATTTACTAAT
TAGGACAAGGCGTGAGGAAATGCTTCTGGTTCTGGTCTAAACATCAGACTTGGAGAAA
AATGTCGTCTACGGCAGATGCAAAATATTCATCAATTTATCTTTCAAGCTTACGACCGGTA
AAAAGCGTTTGATTTTGAGTTTCTGTGTGTTGACTACAGAGATGAGCAGCTCAACGGGA
CGTCCAAAGAGTTTTCATATAGACGGGACGGATAGAGAAGTCTATGCTGCCAAATCCTCCA
CCTGAAAACAAATCAATGAATAAAATCAAAAATAGCTGTAGGCCAATTAACAAATTCAT
TTGATCATTCATCTGTGTGGAAATTTGGCCACCGCCATTTGTGTCCAACACGGTTTCA
CTGATAATGGCCAGATCATATANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNACTG
GAGAGCGAGAAGGGCCGTAAAATTAATATAAAAACACAGGTTCTGCTTGGCGAGGCACC
CAAGCTTCAACTCTCAAAAGACAACAAGTTAACAGATGTTGTGCATCATGGGAGAACCTC
CCCTCCCAACCCGCCACCCTTGGCCAGTGATGGTAGGCTCCCCCTGGCATTTATTTT
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TCATTTCTGCCATCTGTTTTTTCCGAGCAGGTCTGCACCTGCGAGGGGAGAAAATATC
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CATCAGCTCCCCATTAAGCTCCTTGTGGAGACGGTGTGAGGTTCTGCAGTGAGGAAATC
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GCAGGGCAGAGCATFCAAACCTTTTGGCGCCACTGTTTTCTCTCTTCATATATCTGCTC
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GCCGCGCTCCACTTTTTTATTCAAAATCTTGGCGGCTTCCCAAAGGTTTATCTGTGTC
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CCACCCAGTGTCAATTCGTTTTCAGGCATCAGTCTTTCAGCTCTGCCGTTCTAGC
CAGCTAGCAGCTATAGCTGTAGGACCCCGAGCCGCTCCCGCTGATTCAGCTATCATA
TTGCCCCGCAATGCAGTTATCTCCGTTTGGACGGAGGAATCCAGTTTTCATATTGGC
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GGGGCACTG
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>amplified_fugu_segment

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ACACAGGTTCTGCTTGGCGAGGCACCCAAGCTTCAACTCTCAAAAGACAACAAGTTAACA
GATGTTGTGCATCATGGGAGAACCTCCCTCCCAAACCCGCCACCCTTGGCGAGTGA
TGATAGGCTCCCTGGCATTATTTTTATTGTCATCTCTGAAACACCACAACACTGTGTC
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TTTATGGTAGTTGACAACAACAGAGGAACATCCAGCAGCTTTAAGTGACAGCTTGCCTG
TGCCAGTTTTCATTTGCTAACAGCAGCATCAGCTCCCATTAAGCTCTTGTGGAGGAG
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>rCNE_mouse_sequence_837802

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CTTGCAGCAGGTGTGATACTACTTAGAGTCACTTGGGAGCAGGGAGTTGACAACAATG
GCCAAAGACTGGAGCAGAAAAGACAGGCAGCTTGAGTGTGAAAGACAGAAGCTGCCCTCC
CCATCTCCCACTGTAATATTGCCAACCCATTAACAGAGCTTTGGAGTTTCCAGGTTGCT
GAGTGACAGGAGCAGAACCATGAAGGTGGTAATGGCTTGGCAGGTTTAAATGTAGATGAA
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>SCE_mouse_sequence_837950
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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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ENSG00000144339      GTCATTCACGAATAGGTGTTTGAGAGGAGCCATTAACAACCATCAAAGCATTAAACAGA
ENSCAFG00000010115  GTCATTCAGGAATAGGTCTTAGAAAAGGGCCATTAACAACCTACCAAAGCATTAACACAGC
ENSMUSG00000026109  GTCATTCGGAATAGGTGTTGATAGAAGCCATTAACAGCCATCAAGGCCCTTAACACAGC
ENSRNOG00000016623  GTCATTCAGAATAGGTATTTGATCAAAGCCATTAACAGCCATCAAGTCCTTAACACAGC
SINFRUG00000120979  -----
```

```
ENSG00000144339      TACACACGGGGGAAG-TACCACAAGTACTGCCATAAGTTGCCGTTGGAGAGAATCGCTAAGC
ENSCAFG00000010115  TACACACATGGGAGCCTACCACAAGTACTGCCATGAGCTGGCTGGGAGGATCCCTAAGC
ENSMUSG00000026109  TATACATGAGGGAATCTGCCACAAGTACTACCATGATTTGGCTGCTGAGAGCCCTTAAGC
ENSRNOG00000016623  TGTACATGAGGGAGTCCACCATAAGTACTACCATGACTTGGCTGCTGAGAGCCCTTAAGT
SINFRUG00000120979  -----
```

```
ENSG00000144339      CTGGCAGCAGACGTGATACTACTTGGAGTAGGAATCTGGGGAGCTGAGAGTTGACAACAA
ENSCAFG00000010115  CTTCAGCAGGTGTGATACTACTTAGAGTAGGAGTCTTGGGAGCTGGGTGTGACAACAT
ENSMUSG00000026109  CTTGCAGCAGGTGTGATACTACTTAGAGT--CAGTCTTGGGAGCAGGAGTTGACAACAA
ENSRNOG00000016623  CTGGCAGCAGGTGTGACACTACTTAGAGT--CAGTCTTGGGATCAGGCAGTTGACAACAA
SINFRUG00000120979  -----GGTAGTTGACAACAA
                               *      *****
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ENSG00000144339      TGTCACAGAGGACTGGAGGTGAAAGAGCAGGCAGCTTGAGTGTGTGAGACAGATGCTGCTT
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ENSMUSG00000026109  TGGCCAAAG-ACTGGAGCAGAAAAGAACAGGCAGCTTGAGTGTGAAAGACAGAAAGTGCCT
ENSRNOG00000016623  TGTCACAAAGACCAGCAGAAAAGAGCAGCAGCTTGAGTGTGAAAGACAGAAAGTGCCTT
SINFRUG00000120979  CAGA-GGAACATCCCAGCAGCTTTAAGTGACAGCTTG-----
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ENSCAFG00000010115  CCTTGTGTCATTCACCATCTCCCACGTGTGATATTC-CAACACATTAACAGAGCATTAGA
ENSMUSG00000026109  -----TCCCCATCTCCCACCTGTAATATTTGCCAACCCATTAACAGAGCTTTGGA
ENSRNOG00000016623  -----TCCCCATCTCCCACATGTAATATTTCCAACACATTAACAGATCTCTGGA
SINFRUG00000120979  -----
```

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ENSMUSG00000026109  GTTCACGCTGTGCTGAGTGACAGGAGCAGAACCATGAAGGTGGTAATGGCTTGCCAGGTT
ENSRNOG00000016623  GTTCATGTTGTGCTGAGTGACAGGAGCAGAACCATGAAGGTGGTAATGGCTTGCCAGGAT
SINFRUG00000120979  -----
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```
ENSG00000144339      TAAGATGTAGATGAATAACTTCTTGTTCAGAGCAATGAAGTCTTTCATCCATATAAAAAA
ENSCAFG00000010115  TAAATGTAGATGAATAACTTCTTGTTCAGAGCAATGAAGTCTTTCATCCATATAAAAAA
ENSMUSG00000026109  TAA-ATGTAGATGAATAACTTCTTGTTCAGGCAAAAGAGTCTTTTATCCATATAAAAAA
ENSRNOG00000016623  TAA-ATGTAGATGAATAACTTCTTGTTCAGAGCAAAAGAGTCTTTTATCCATATAAAAAA
SINFRUG00000120979  -----
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```
ENSG00000144339      TCCACATATAACTAATGAGACTCTTGGCCATCATACCTGCTCTGTTCAATGTCTTACAC
ENSCAFG00000010115  TTTGTGTATAACTAATGAGACTCTTGGCCATCATACCTGTTCAATTCATTTCTTACAC
ENSMUSG00000026109  TCTGTGCATAACTAATGAGACACTTGGCCATCATACCTGTTATAGTCAATTTCC-----
ENSRNOG00000016623  TCTGTGCATAACTAATGAGACACTTGGCCATCATACCTGCTCTAGTCAATTTCC-----
SINFRUG00000120979  -----
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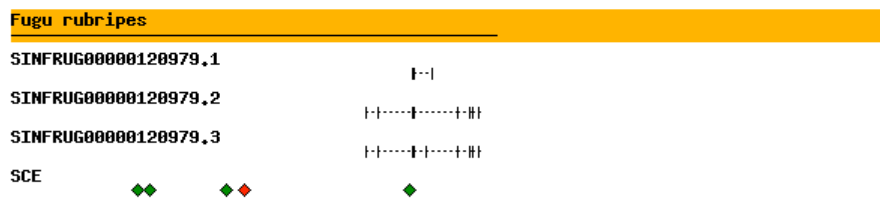
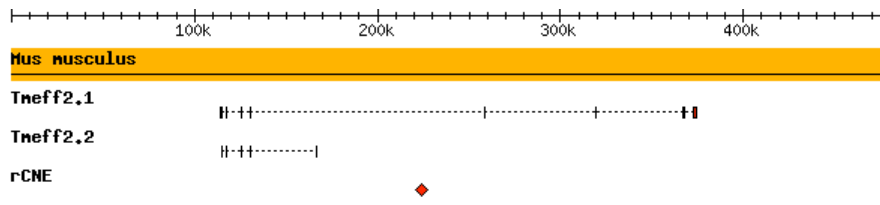
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ENSG00000144339      TGATTTGGCTGTTCAACTA
ENSCAFG00000010115  TAGTTTGGCTGTTCAACTA
ENSMUSG00000026109  -AGTTTAGCTGTATCTA
ENSRNOG00000016623  -AGTTTAGCTGCGTATCTA
SINFRUG00000120979  -----
```

Fragment Tmeff2_26015

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



Conserved regions shown within 2000bp context

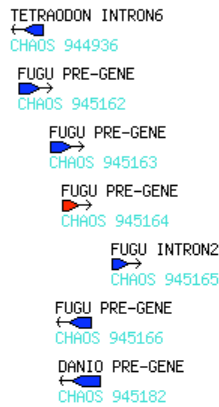
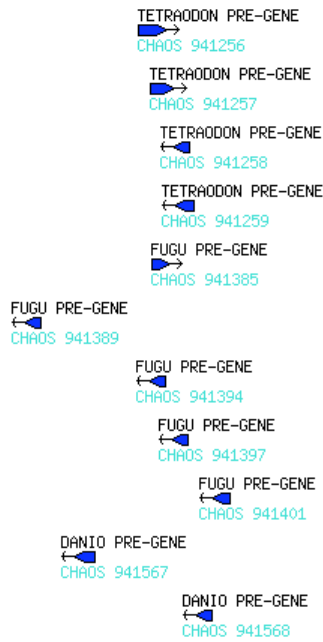
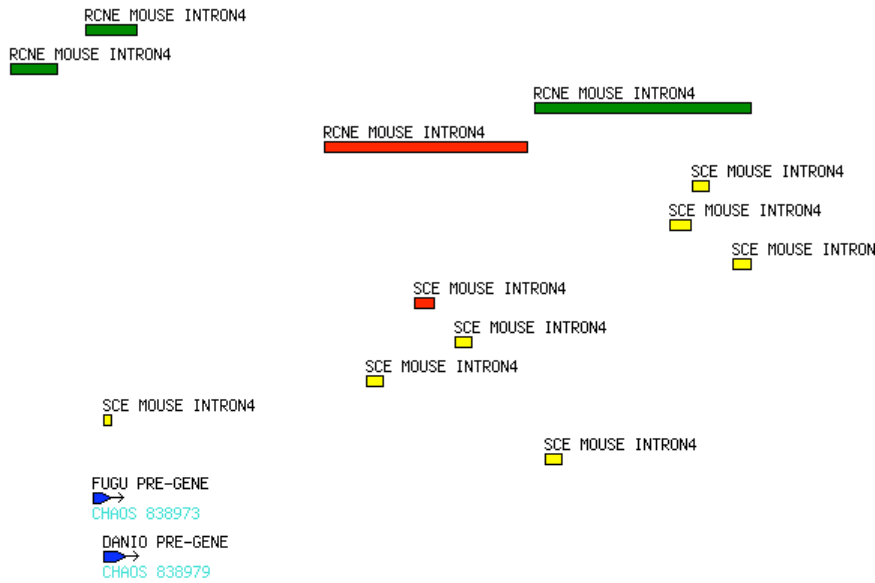
The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

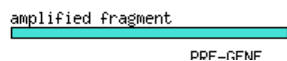
The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test

MOUSE IMAGE TMEFF2 MOV FRAGMENT CODING 0 HIT: 945164
1k 2k



FUGU IMAGE TMEFF2 MOV FRAGMENT CODING 0 HIT: 945164
1k 2k



SEQUENCES

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CGCACACAAGGGAGAGGCTCTTGTATGGAGAAATCTCAATTTGTTCTCTTATTTTCAG
TATGAGTAAATCTGATTAGTTGATTTATGAAGTTTCTCAGTCAAATATTTGCTATATAT
TTGTTTGGAGATGTTAATATATGTTTGGAAATAAAAAATAAAAGGCTGCTCGAGATTT
GGATACACTGAAAAATAGACTGTGTATTTCTCTTATTTATTTTATTTGATTGACGACTGCA
TAATCAATACGATGTGCTGTGTGTGTAATAATAGGGGCTTGTCTTGTATGGACGTCAAA
GCAACCCAGCAGTGGTGTATGGATCAGAGACGATGGCGGCTCAACAAACAAACAGACAA
CATAAAGTTTCAAGGCGTGCAGGAGGAGGACAGACTAAAAGTGCCTATTCAAGAGTGAT
GGAGATGTCAGGATTAGGGTGGAGGACATCACGGAGATAGCACAGGCCAGATGAATCGG
AGATGGCAGACACAGATGTTGTTGGACATGTGCAAAAGTTGGATAGTGGGAATGCTGCTA
GAAGGACCGTAGCTGCCACTGGTTTATGTATGTTGGTGAATAAGGACACGCTGATGTTCT
CATGCAGATGGGTGCTGATGTCAGTCTTAGGAATGGATGGATGTTAAAACCCATTTGTC
ACTGGAGCTCGAAGGTAATTTGTTGTGACACTGATGCATCCTTTAGTGTATTTTTCACA
CCCCAGTCTTCACTGCTACTGTTTGTGCTTATTTTATTAATGGGCACTTCCCTGTTGCA
AAAAATGGTGCCAAATCCTACTTTTATTAACCTGTAACCTAAGCAAGGCTTAGAAATTA
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AGTGTGTGTAAGAAGAACTGACTGCTAAATATAGGTCCCTTTAAAAGGCTGCAGGCAT
GTCTGAAATCTTCTGACCAAAAACAAACTCTTCATTTCCCTACCAGGAATACAAATGTTGC
ACCGTTGATGGAGGAATTCAGTCAATTAGAAATATGGTAAATTTGATCAGCATTTTAGATC
ATTGCTCACTTTTATCGCTCCCTGAATCTACAAATAAGTCTTGCAATTTGCTAATGT
CAAGGAGTGTGCCGCCNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNTA
TACATTTACATCAGCATAATCATCATTTACACTACCTACAGGCACCAAACTCTCCCAAC
CATACATACGTTAATTAAGAGGGGAGTGAACACACAGCATCTCGTTTGTGCTGGGAAT
AAAACCTGGGAAGCGCTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT
AAATCTAAATAAATAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA
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GCCATCATGGAGAGGGCCCTCATTTGTTGTAAGGACAAAGGCCACCGTGCACCAAGTGG
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GAGGCATGGTATCTAATTAACACTATCACTACATCTGGATTGCTGGGATTTGAAATTTG
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>amplified_fugu_segment

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GTGAATAAGGACACGCTGATGTTCTCATGCAGATGGGTGCTGATGTCAGTCTTAGGAATG
GATGATGTTAAACTCCATTTGTCAGTGGAGCTCGAAGGTAATTTGTTGACATGAT
GCATCTTTAGTGTATTTTTCACACCCAGTCTTCACTGGTACTGGTTTGTGCTTATTT
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GCTTTAGGGTATATGGTATATGCACAGTGTGTGTAAGAAGAACTGACTGCTAATATA
GGTCCCTTTAAAGGCTGCAGGCATGTTCTGAAGTCTTCTGACCAAAAACAACTCTTCAT
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```

>rCNE_mouse_sequence_837802

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CTTGCAGAGGTGTGATACTACTTAGAGTCACTTGGGAGCAGGGAGTTGACAACAATG
GCCAAAGACTGGAGCAGAAGAACAGGCAGCTTGAAGTGTGAAAGCAGAAGCTGCCCTTCC
CCATCTCCACCCTGTAATATGCGCAACCCATTAACAGAGCTTTGGAGTTCACGGTGTGCT
GAGTGACAGGAGCAGAACCATGAAGTGGTAATGGCTTGGCAGGTTTAAATGTAGATGAA
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>SCE_mouse_sequence_837950
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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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ENSCAFG00000010115  GTCATTCAGGAATAGGTCTTAGAAAAGGGCCATTAACAACATACCAAAGCATTAACAGC
ENSRNOG00000016623  GTCATTCAGGAATAGGTATTTGATCAAAGCCATTAACAAGCCATCAAGTCCCTAAACAGC
ENSMUSG00000026109  GTCATTCAGGAATAGGTGTTTGATAGAAGCCATTAACAAGCCATCAAGGCTTAACAGC
SINFRUG00000120979  -----
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```
ENSG00000144339      TACACACGGGGGAAG-TACCACAAGTACTGCCATAAGTTGCCGAGAGAAATCGCTAAGC
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ENSRNOG00000016623  TGATACATGAGGGAGTCCACCATAAGTGTCTACCATGACTTGGCTGTGAGAGCCCTAAGT
ENSMUSG00000026109  TATACATGAGGGAATCTGCCACAAGTGTACCATGATTTGGCTGTGAGAGCCCTAAGC
SINFRUG00000120979  -----
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ENSG00000144339      CTGGCAGCAGACGTGATACTACTTGGAGTAGGAATCTGGGGAGCTGAGAGTTGACAACAA
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ENSRNOG00000016623  CTGGCAGCAGGTGTGACACTACTTAGAGT--CAGTCTTGGGATCAGGCAGTTGACAACAA
ENSMUSG00000026109  CTGGCAGCAGGTGTGATACTACTTAGAGT--CAGTCTTGGGAGCAGGGAGTTGACAACAA
SINFRUG00000120979  -----
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```
ENSG00000144339      TGTCACAGGACTGGAGGTGAAAGAGCAGGCAGCTTGAGTGTGTGAGACAGATGCTGCTT
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ENSRNOG00000016623  TGTCACAAAGACCGGAGCAGAAAGAGCAGACAGCTTGAGTGTGAAAGACAGAAAGCTGCTT
ENSMUSG00000026109  TGCCAAA--GACTGGAGCAGAAAGAACAGGCAGCTTGAGTGTGAAAGACAGAAAGCTGCC
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                        * * * * * * * * * * * * * * * *
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ENSRNOG00000016623  -----TCCCCATCTCCCACATGTAATATTTTCAACACATTAACAGATCTCTGGA
ENSMUSG00000026109  -----TCCCCATCTCCCACCTGTAATATTTGCCAACCCATTAACAGAGCTTTGGA
SINFRUG00000120979  -----
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```
ENSG00000144339      GTTCGTGCATGCCTAGTGACAGGAATAGAACCATGAAATTG--TAATGCTTTGCCAGTTT
ENSCAFG00000010115  GTTCGTGCATGCTTAGTGACAGGAATAGAACCATGAAATTGGTAATGCTTTGCCAGTTT
ENSRNOG00000016623  GTTCATGCTGTGCTGAGTGACAGGAGCAGAACATGAAGTGGTAATGGCTTTGCCAGGAT
ENSMUSG00000026109  GTTCACGGTGTGCTGAGTGACAGGAGCAGAACATGAAGTGGTAATGGCTTTGCCAGGTT
SINFRUG00000120979  -----
```

```
ENSG00000144339      TAAGATGTAGATGAATAACTTCTTGTGACAGCAATGAAGTCTTCTTATCCATATAAAAAA
ENSCAFG00000010115  TAAATGTAGATGAATAACTTCTTGTGACAGCAATGAAGTCTTCTTATCCATATAAAAAA
ENSRNOG00000016623  TAA-ATGTAGATGAATAACTTCTTGTGACAGCAAAAGAGTCAATTTTAGCCTATAAAAAA
ENSMUSG00000026109  TAA-ATGTAGATGAATAACTTCTTGTGACAGGCAAAAGAGTCTTCTTATCCATATAAAAAA
SINFRUG00000120979  -----
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ENSG00000144339      TCCACATATAACTAATGAGACTCTTGGCCATCATACCTGCTCTGTTCAATGCTCTTACAC
ENSCAFG00000010115  TTTGTGTATAACTAATGAGACTCTTGGCCATCATACCTGTTCAATTCATTTCTTACAC
ENSRNOG00000016623  TCTGTGCATAACTAATGAGACACCTGGCCATCATACCTGCTCTAGTCAATTTCC-----
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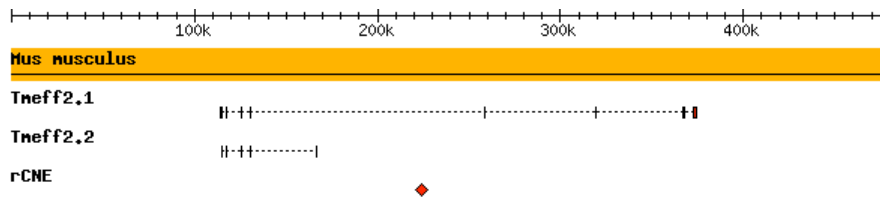
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ENSRNOG00000016623  -AGTTTAGCTGCGTATCTA
ENSMUSG00000026109  -AGTTTAGCTGTTATCTA
SINFRUG00000120979  -----
```

Fragment Tmeff2_26016

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



Conserved regions shown within 2000bp context

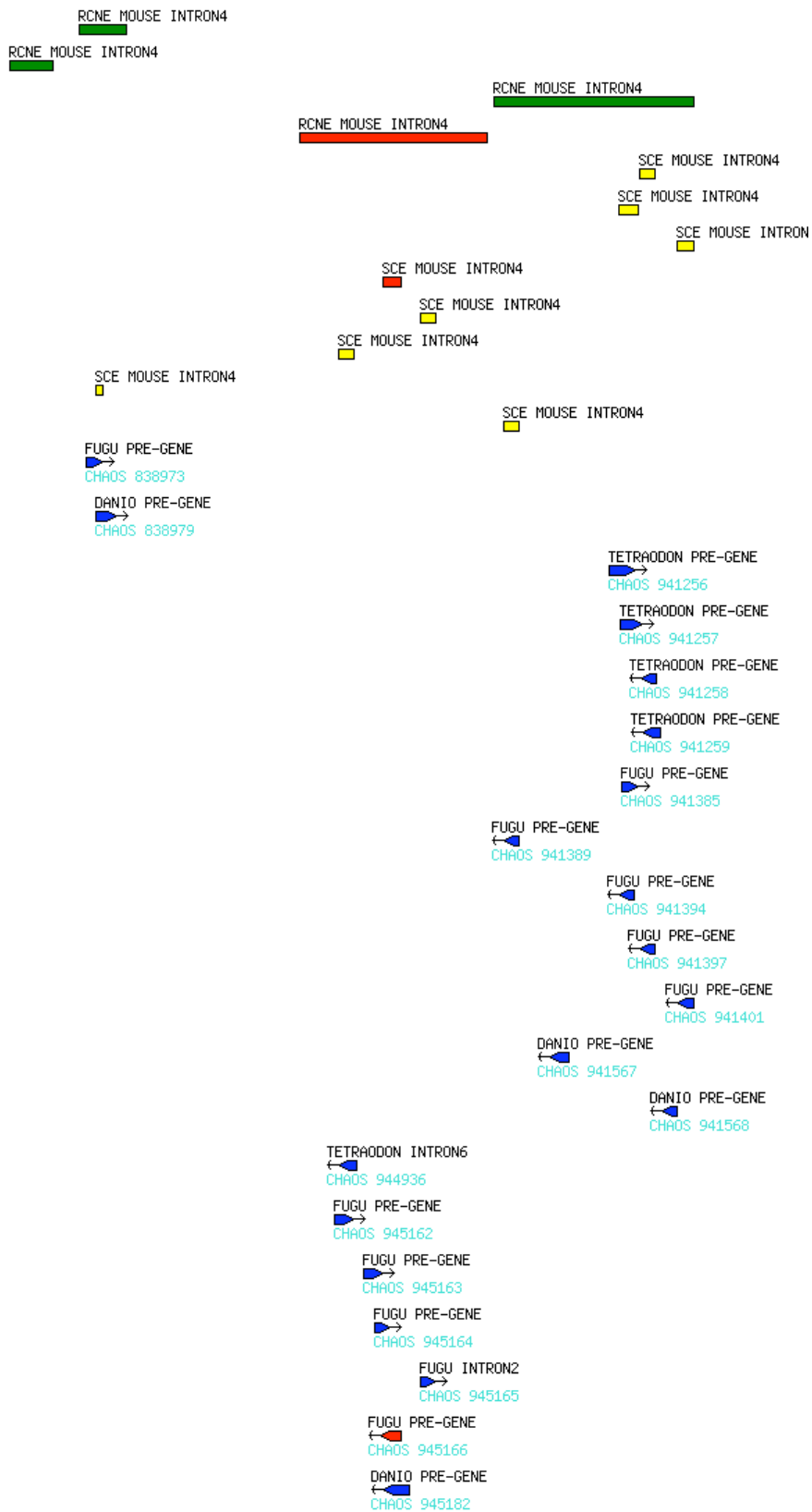
The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test

MOUSE IMAGE TMEFF2 MRE FRAGMENT CODING 0 HIT: 945166
1k 2k



FUGU IMAGE TMEFF2 MRE FRAGMENT CODING 0 HIT: 945166
1k 2k



SEQUENCES

>fugu_fragment_for_primer_design_26016

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ACGATACCTATGGTAAAGACTCCCATGTAAAGCCAATAAAGCACAGGTGAGTGGCTG
GGAAGAGGGCTTCAAACATTGTCAGGCAGCTGGCATAAAATCATGAGCAATCTGCTTT
TACTGGTGGCAGCCCTCCTCAATAAGGCTGGGAAACGCTCCCGGGCTTCTAGGGGGC
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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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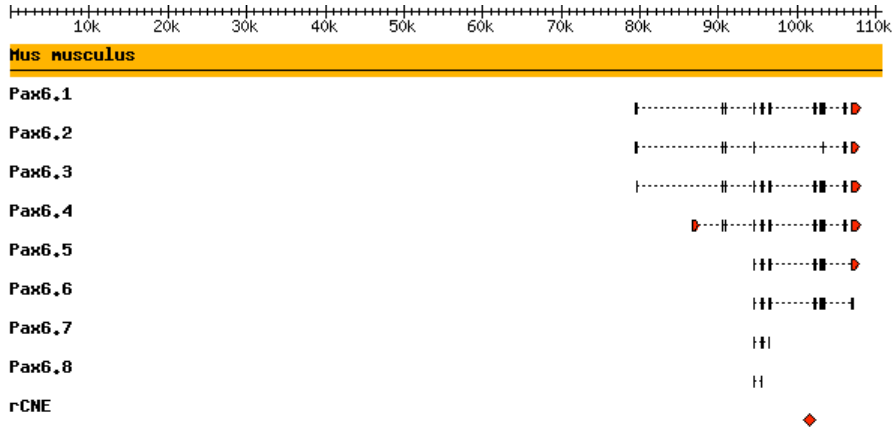
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ENSG00000144339         TGATTTGGCTGTTCAACTA
SINFRUG00000120979      -----
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Fragment Pax6_15696

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



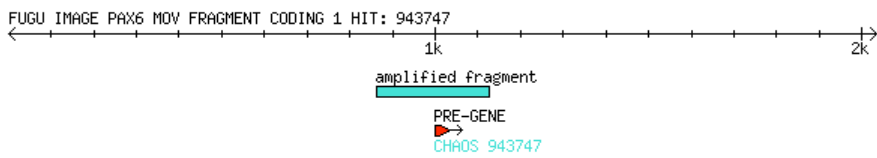
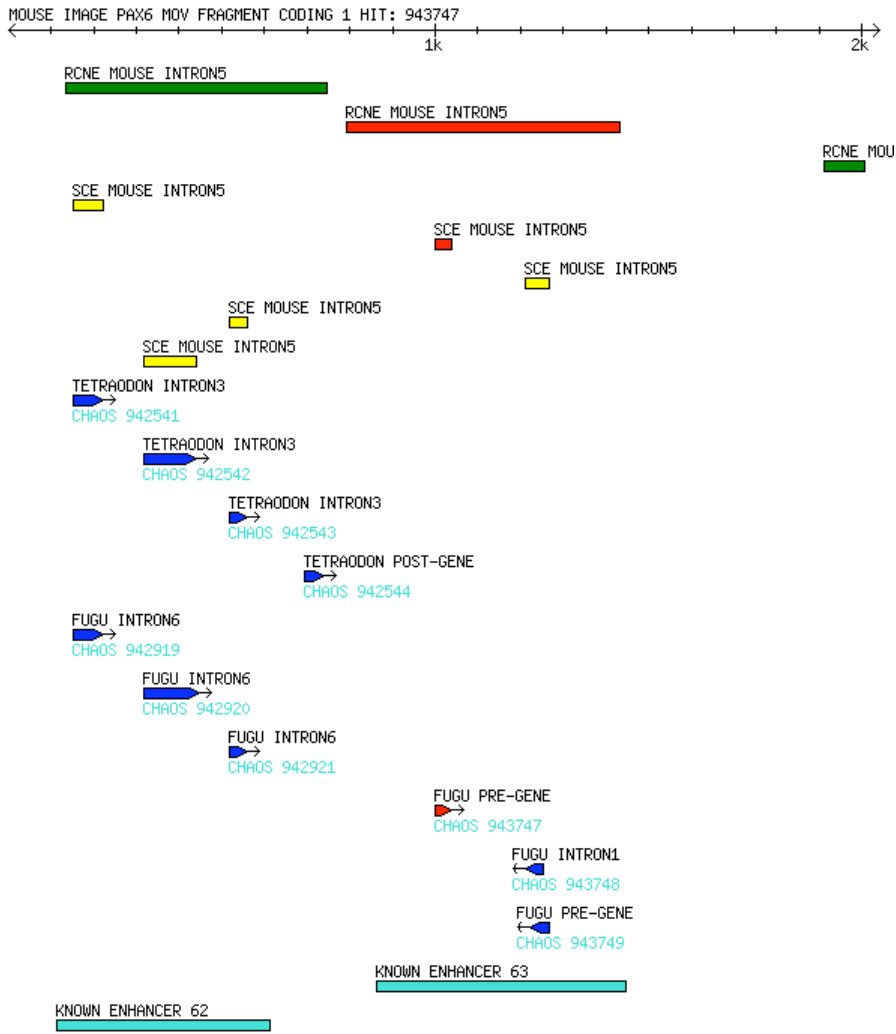
Conserved regions shown within 2000bp context

The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES

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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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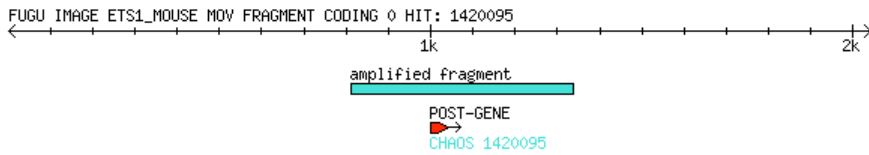
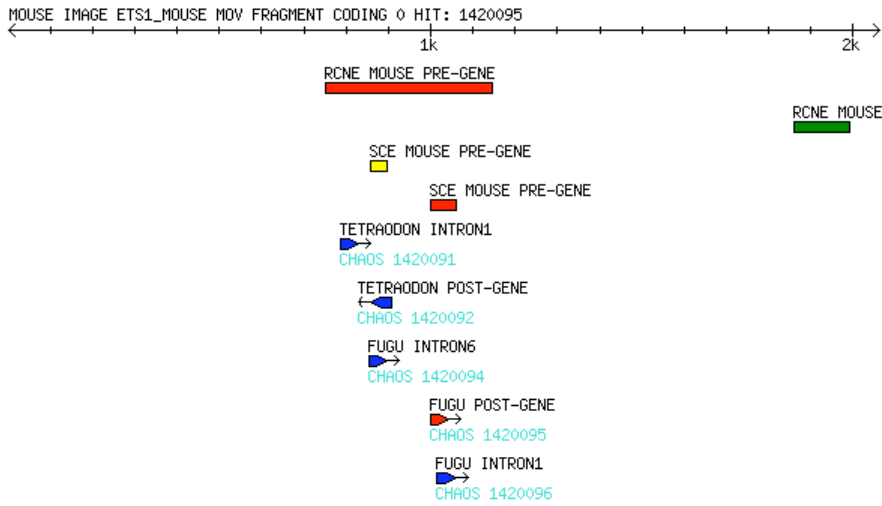
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Fragment ETS1_MOUSE_8744

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)



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GCTTGAAAGACAGAAAACAGAACATTTTCTGACGGCTTTGATTTAATGGCCAAAAACAG
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>SCE_mouse_sequence_1262086

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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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ENSMUSG00000032035      GCCCCAA-GCTGCAGGTGGTAATTTGCATAGGGCAGTGTCTCCTCTCCAGGAGGTTAGG
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ENSG00000134954         GCCCCACCAGTGCAGGTGGTAATTTGCATGGGGGAGCAGAGCGTCTCCAGGAGGCTTAGG
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ENSG00000134954         CCTATCTAAGTTTCTTCTGTACTTGGG-AGACGAACAGCCACTTTAAAA-GAGAGAAA
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SINFRUG00000153673      -----
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ENSG00000134954         AACAAAGACACTAGTAACCTCTGTG-CTTGGACCCGGG--CCTTTAGGTGTTCAAAGCTC
ENSCAFG00000010304      AACAAAGACACTAGTAACCCCGCTTCTTGGCCCCGGGGCTCAAGGTGTTCAAAGCTC
SINFRUG00000153673      -----
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ENSG00000134954         CC----GTGGCTATTTCTGGCCCCATTGTCGTCGGGTTAGAGGAAGGCCCTGATGGC
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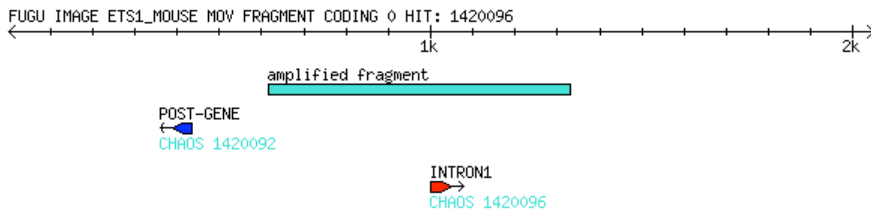
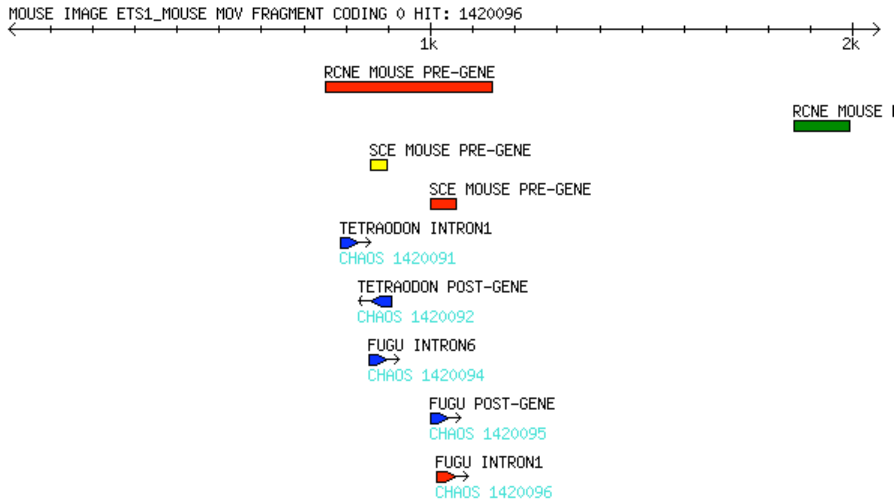
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ENSG00000134954         GATTTCTGTGCTTTAAAGGCAGAAAACAGAACATTTTCTGACGGCTTTGATTTAATGGCC
ENSCAFG00000010304      AATTCTTTGCTTTAAAGGCAGAAAACAGAACATTTTCTCGGGCTTTGATTTAATGGCC
```


The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES

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TTCCACCTGCAGACATGATGGGAGTTGATCTTTTGTACTCAGTTTCAACCTAATGGAGA
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TGGCAACAGAGACAGGAACCCATGATAGGGTATTGTTGAGACCACCTGGCTCTGACTA
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AGTGGTGAACCTTAGTCTGATGCACCTTTACATCATAAGCTAATGTGATTTCTTTGAT
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>SCE_mouse_sequence_1262086

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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

ENSG00000134954	GCCCCACCACTGCAGGTGGTAATTTGCATGGGGGAGCAGAGCGTCTCCCAGGAGGCTAGG
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ENSMUSG00000032035	-GCCCCAAGCTGCAGGTGGTAATTTGCATAGGGCAGTGTCTCCTCTCCCAGGAGGTTAGG
ENSRNOG00000008941	-GCCCAAGCTGCAGGTGGTAATTTGCATAGGGCAGCCTCCTCTCCCAGGAGGTTAGG
SINFRUG00000153673	-----

ENSG00000134954	CCTATCTAAGTTTCTTCTGTACTTGGG-AGACGAAACAGCCACTTTAAAAA-GAGAGAAA
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ENSMUSG00000032035 AACAAAGAC--GGGTGACTTTG---CTTGGACCTGGG--TAGTAAAGTGTTCCAAAGTCTC
ENSRNOG0000008941 AACAAAGACAGGGGTAGCTCTG---CTTGGACCTGGG--TAGTAAAGTGTTCCAAAGTCTC
SINFRUG00000153673 -----

ENSG00000134954 CC-----GTGGCTATTTCTGGCCCCATTGTCGTCGGGTCTGAGAGGAAGGCCTGATGGC
ENSCAFG00000010304 CC-----GTGGCTATTTCTGGGGCCCATGTCGTCGGGGGCTGAGAGGAAGGTCTGATGGC
ENSMUSG00000032035 TGTGGAAGTGTACTATTTCTGGCCCCATTGTCGTCGGGTACAGAGGAAGGCCTCCTGGC
ENSRNOG0000008941 TGTGGAACGTGCTATTTCTGGCCCCATTGTCGTCGGGTACAGAGGAAGGCCTCCTGGC
SINFRUG00000153673 -----

ENSG00000134954 GATTCTGTGCTTTAAAGGCAGAAAACAGAACATTGTTTTTGCCAGCTTTGATTTAATGGCC
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SINFRUG00000153673 AAAGACAGATGTCAGCAGC-----
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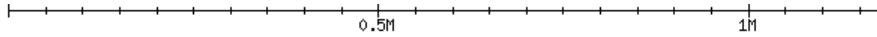
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Fragment ETS1_MOUSE_8726

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



Mus musculus

ETS1_MOUSE.1
 |++-----|
 ETS1_MOUSE.2
 |---H-||
 ETS1_MOUSE.3
 |---|++
 rCNE



Fugu rubripes

SINFRUG00000153673.1
 |#
 SINFRUG00000153673.2
 |
 SINFRUG00000153673.3
 |
 SINFRUG00000153673.4
 |#
 SINFRUG00000153673.5
 |
 SINFRUG00000153673.6
 |
 SCE



Conserved regions shown within 2000bp context

The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

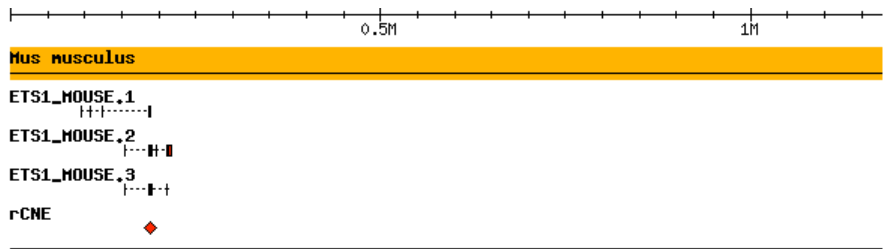
The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



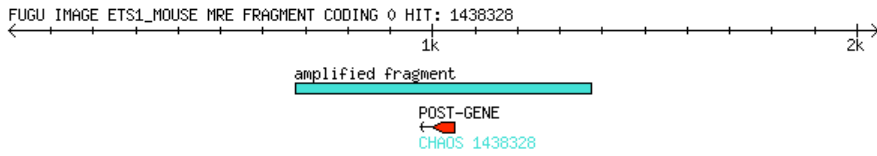
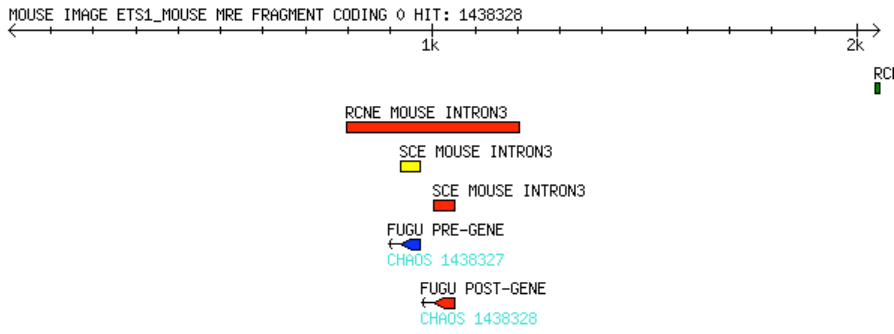
Conserved regions shown within 2000bp context

The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test



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CCAAGACCTGTTTGGCCATTACCACAAACCATCTTCTCATGCTTCTTCCCCACGGCGC
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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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ENSG00000134954         AGACAGATTTCTCTGCCACTAACTGAATTTGGAATTTGCAGTAGTGCATCATACTTTTAC
ENSCAFG00000010304      AGACTGGCTTCTCTGCCCTACC TGGGTGGAATTTGCAGTCGTTGGGTACCTTTTTC
SINFRUG00000153673      -----
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ENSMUSG00000032035      ATTTGGAGCCAAAGCTAGGGTTATATCAGGACGTTGGTGTGCAACCTTTGTAATGACACAG
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ENSG00000134954         ATCTGGAGCAGGAAGCTGGGGTTATATCAGGACGCTATGTTGCAACCTTATAATGACATGG
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ENSG00000134954         CCTCCCTAACAGCC-----TCTTCCAACCTTTTGGACCAAGTGACTCATGTACCACAG
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ENSG00000134954         TCCTGGCTGAGTATAGAAAACAGCAGCAGCGGGCAAACTTGGGTGNNNNNNNNNNNNNNNN
ENSCAFG00000010304      TCTTGGCTGAGTATAGAAAACAGCAGCAGCGGGCAAACTTGGGTGTTTTCGACTTATTTT
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ENSG00000134954         NNNNNNNNNNNNNCTTAAAAATAAATGGCAGTTACAGCAGTGCAGTGCCTTACAGCTGA
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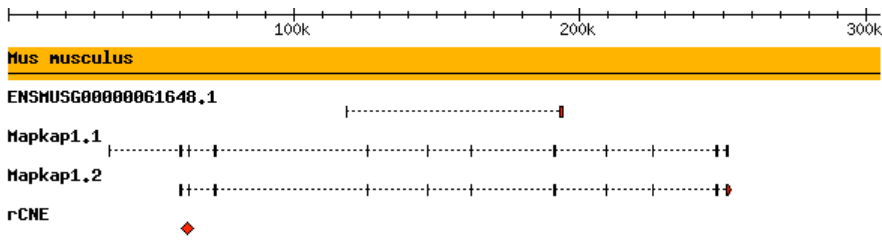
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 ENSG000000134954 CAGCTCTAA-CCCTTGGCACAGACGCTGGGGGAGGGGAGCAAACCTCAG
 ENSCAFG00000010304 CCGCTCAA-CCCTTGGCGCAGACGCTGGGGGCAGGGAGCAAAGCTCAG
 SINFRUG000000153673 -----

Fragment Mapkap1_17058

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



Conserved regions shown within 2000bp context

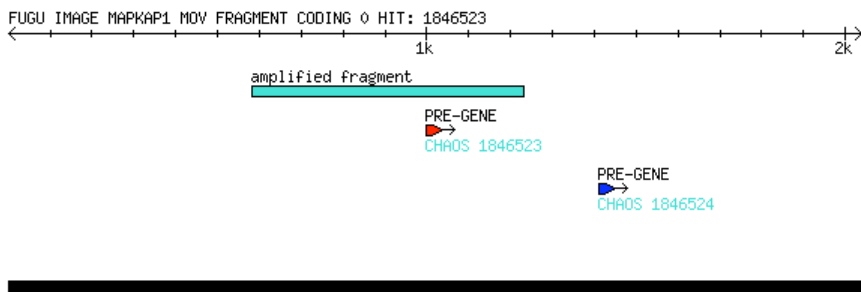
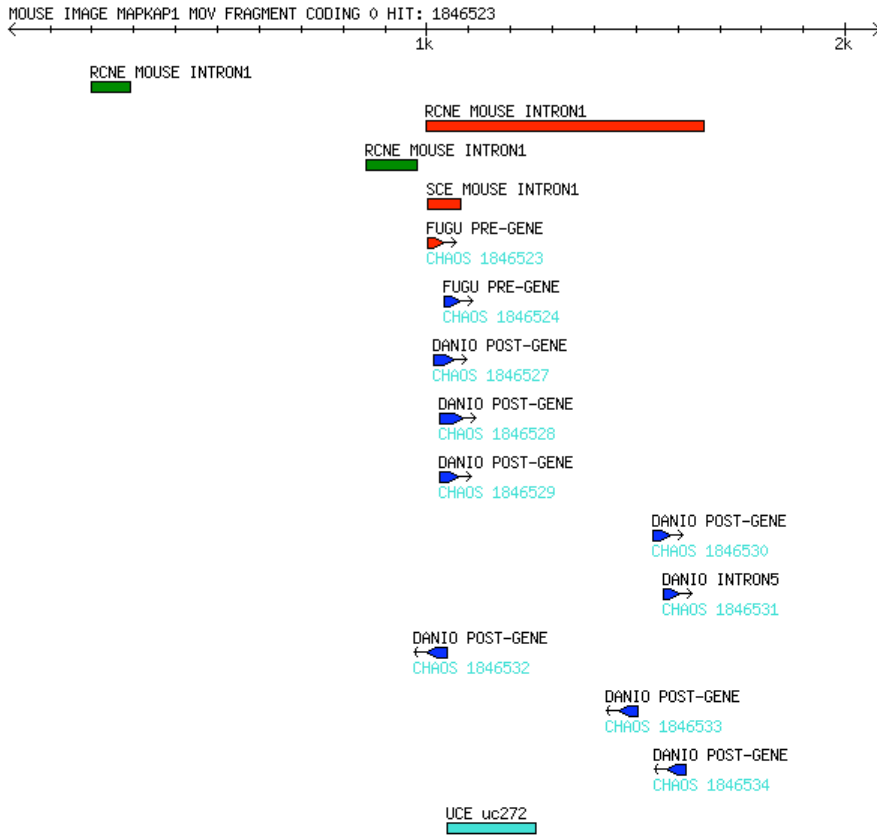
The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test

-CHAOS hits blue boxes, in red the one considered for this test



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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

ENSG00000119487	GTGACCAAGAATTTACTTTTTTAAATCCATGCAGCATATCTTAAAAATTTTGTAAAAGAAAA
ENSCAFG00000020178	GTGACCAAGAATGTACTTTTTTAAATCCCTTCAGCATATCTTAAAAATTTGTATAAGAAAA
ENSRNOG00000017583	GTGATCAAGGAATTTAGTTTTTAAATCTTTTCAGTACATCTTAAAGTTTTTTAAAGAAAA
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ENSRNOG00000017583 ATGTGTTCTTTTAAAGATTTGACTAATGTTACAAAGATACAAATCATTTATTTACTACCT
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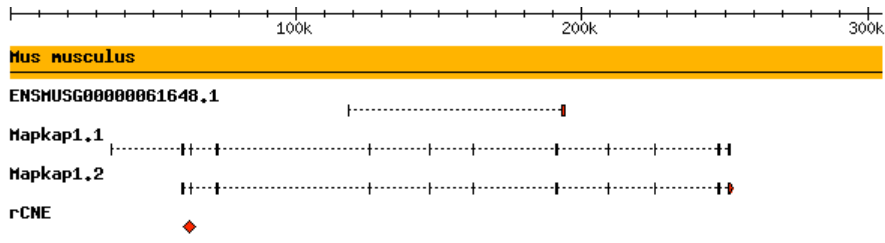
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Fragment Mapkap1_17059

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



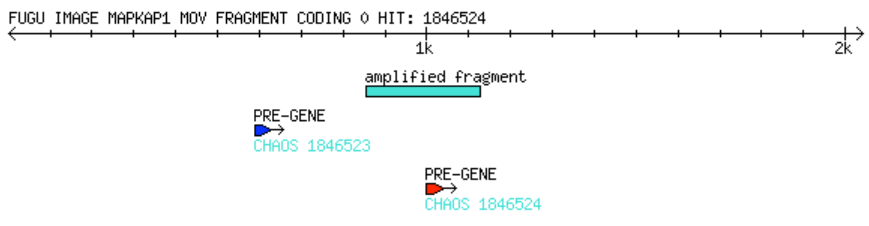
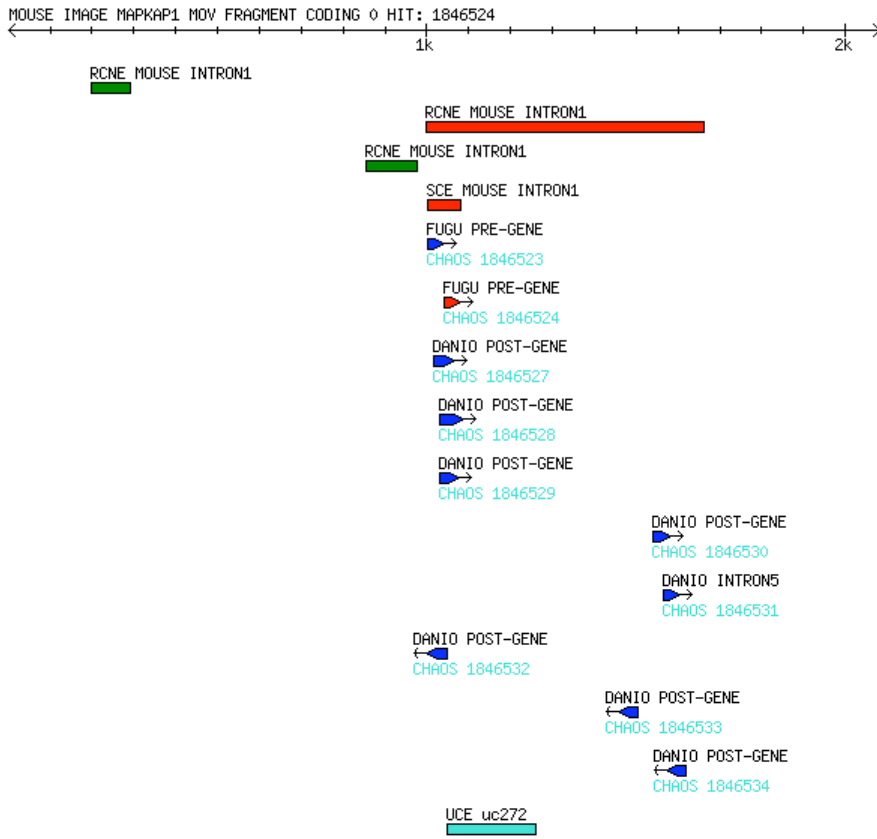
Conserved regions shown within 2000bp context

The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES

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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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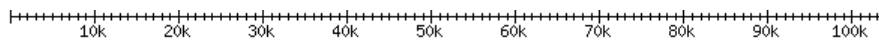
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ENSMUSG00000038696	AAATCAAGAATATTTTCATGTTTTGTTGGTATTTGCTTTTCAGGGGTGCCACCTTTAAA
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Fragment Hmx3_11669

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



Mus musculus



Fugu rubripes



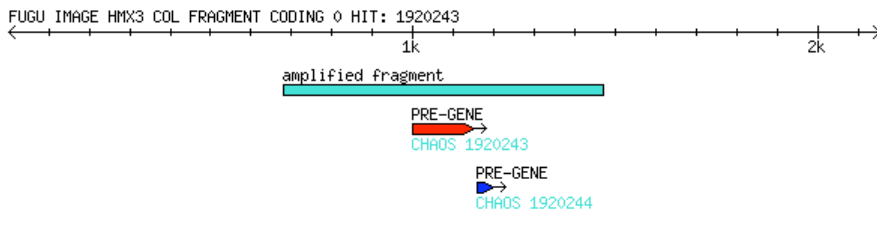
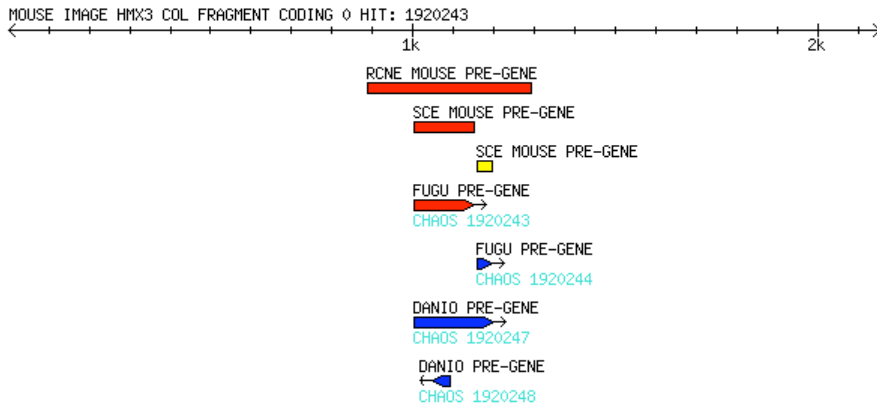
Conserved regions shown within 2000bp context

The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES

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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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ENSRNOG0000020637      TCACCACCACCCCAATCCCCACCAAAATGGAGTGTCTTATTTTGCTAACTGCTTAAACA
ENSMUSG0000040148      TCACTGCCAACCCATTCCCCACCAAAATGGAGTGTCTTATTTTGCTAACTGCTTAAACA
ENSG00000188620        TTGCCACTTCCCATGCCCCACCAAAATGGAGTATCTTATTTTGCTAACTGCTTAAACA
ENSCAFG0000012698      TTGCCCCACCCCACTGCCCCACCAAAATGGAGTATCTTATTTTGCTAACTGCTTAAACA
SINFRUG00000148199      -----

ENSRNOG0000020637      TAAAACTCCCAGNNNNNNNNNT--GTCCCCACAGCTCATATTTTTCATCATTGATCA
ENSMUSG0000040148      TAAAACTCCTGCAGNNNNNNNNNTTGTCCACAGCTCATATTTTTCATCATTGATCA
ENSG00000188620        TAAAACTCCAGAAGAAAAAAT---GTCCCCACAGCTCATATTTTTCATCATTGATCA
ENSCAFG0000012698      TATAACTCTAACAGAAAAAAT---GTCCCCGTGGCTCATATTTTTCATCATTGATCA
SINFRUG00000148199      -----GGTCA
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ENSRNOG0000020637      TTAAATAGTATGGATATAAACCATAAAGATCCTAACTGGAGCTTTTAAACAATCCATG
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ENSG00000188620        TTAAATAGTATGGATATAAACCATAAAGAACCATAAAGTAACTGAACTTTTAAACAATCCATG
ENSCAFG0000012698      TTAAATAGTATGGATATAAACCATAAAGAACCATAAAGTAACTGAACTTTTAAACAATCCATG
SINFRUG00000148199      TTAGACCATGATGGATGTAACCTATAAAGTATCTAACTGGTCTTTTAAACAACCATG
                                     *** *   *****   *****   *****   *****   *****

ENSRNOG0000020637      AGCAATACATCATTTCTTAAATAGAACCCTGCTGACCGTGCCTTGACACAGACACTATTTG
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ENSCAFG0000012698      AGCAATACATCATTTCTTAAATAGAACCCTGCTGACCGTGCCTTGACACAGACACTATTTG
SINFRUG00000148199      AGCAACACTATCATTTCTTAAATAGAACCCTGCTGACCGTGCCTTGACACAGACACTATTTG
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ENSG00000188620         TCAT-TTTTCAGCACGCAATAATCAATAAGTTGGCTTGAAAATAAATAATATAACAGTCAC
ENSCAFG00000012698      TCAT-TTTTCAGCACGCAATAATCAATAAGTTGGCTTGAAAATAAATAATATAACAGTCAC
SINFRUG00000148199      TCATCTTTCCTTGTGAAATAATCAATAG-----
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ENSG00000188620         AATATATTATCTTTTCAGACTGGCCTTAGACTAACCCATAAAAATGGGACTAAAAACAAGACAG
ENSCAFG00000012698      AATATATTATCTTTTCAGACTGGCCTTAGACTAACCCATAAAAATGGGACCAAAATAAGAGGA
SINFRUG00000148199      -----

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ENSRNOG00000020637      AAACTTTACGTAAATGTTAAAAAGTTATGAACGTCACAGTTGGGCCTA
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ENSG00000188620         AAACTTTACATGAATGTTAAAAAGTTAGAGACATCACAGTGAGGACTA
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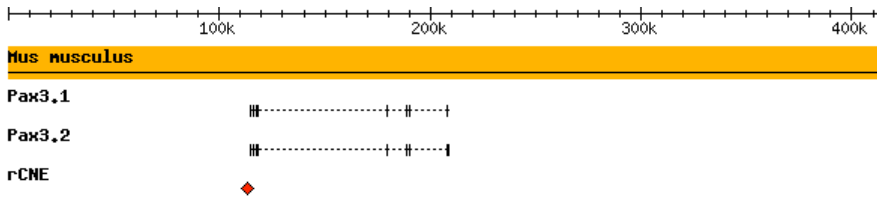
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Fragment Pax3_24781

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



Conserved regions shown within 2000bp context

The mouse context contains:

-rCNEs green boxes, in red the one considered for this test

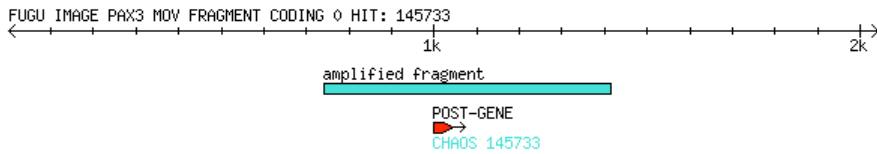
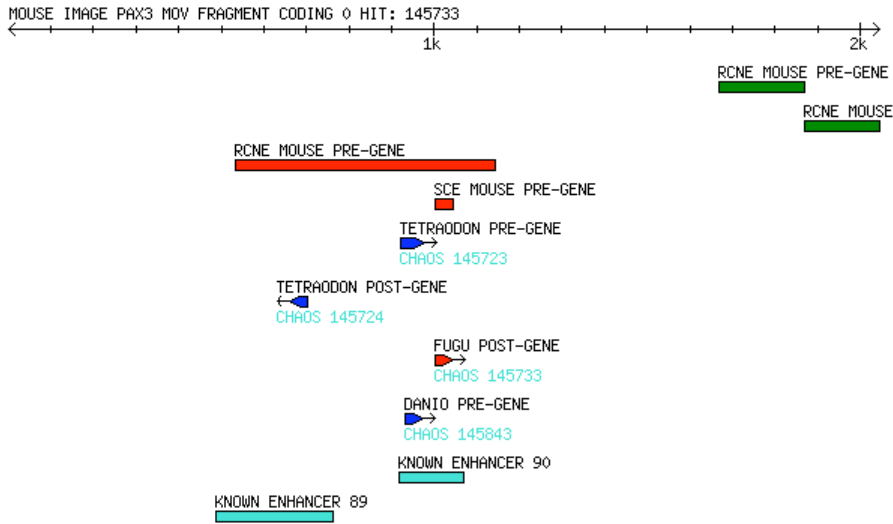
-SCEs yellow boxes, in red the one considered for this test

-CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

-the fragment amplified in this test

-CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES

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NNN

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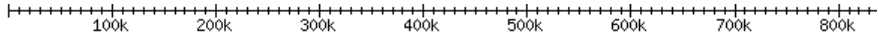
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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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ENSCAFG00000016041	GTTTGCCTTAATTAGGGGTGGGGAAGTGGGGTTGGGGCC-GAGTTCAGTGAAGAACTG
ENSRNOG00000013670	GTTTGCCTTAATTAGGGGTGGGCAAGTAGGATTTGGGGTCTGAGTTCACATCAAACCTG
ENSMUSG00000004872	GTTTGCCTTAATTAGGGGTGGGCAAGTAGGATTTGGGGCTGAGTTCACATCAAACCTG
SINFRUG00000132501	-----
ENSG00000135903	TCAA--GGAGTGGGGGA--GGGGACAGAGAGAGAGAGTGGAGAATCCCTCCAGGGGC
ENSCAFG00000016041	TCAAAGGAGTTGGGGATGGGAAACTGAGAGAGGGGGTGGTGGAGAAC--TCTGGCCC
ENSRNOG00000013670	TCAAAGGAGATNNNNNNNAA--GGACATAGAAAGAGGGGTGGAGGAT----TCAGGGGC
ENSMUSG00000004872	TCAAAGGAGATNNNNNNNNNAGGACATGGAGAGAGGGTGGAGGAT----TCAGGGGC
SINFRUG00000132501	-----



Mus musculus

Gata3.1

HH

rCNE



Fugu rubripes

SINFRUG00000129920.1

|

SCE



Conserved regions shown within 2000bp context

The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test

TTTATTTTCATTCCTTTAATCTCACTCTGCATTCCTCCGAGATCACCCGGTTCCATTAATAC
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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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SINFRUG00000129920  -----
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ENSRNOG000000019336 ACTG----TGTTTGAAACGGTCTTTGAAGATAAGAAAAT--TCTTTAATTTAAATGAAG
ENSMUSG00000015619  GCTG----TATTTGAAAAGTCTTTGAAGATAAGAAAAT--CCTTTAATTTAAACAAAG
SINFRUG00000129920  -----TTTGAGATAAAAAATTAGCGTTTAAATTTAAAGCCAAG
                        **  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *
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ENSRNOG000000019336 ATAATATCATCTTCAATTATGCTTCTTTGATCTTTGTGGACTAGTGCATGCTGGGACTTG
ENSMUSG00000015619  ATAATATCATCTTCAATTATGCTTCTTTGATCTTTGTGGACTAGTGCATGCTGGGACTTG
SINFRUG00000129920  TGAATA-----
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```
ENSG00000107485      TAGTTTTGG
ENSCAFG00000005019  TAGTTTCTG
ENSRNOG000000019336 TAGTTTCTG
ENSMUSG00000015619  TAGTTTCTG
SINFRUG00000129920  -----
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Fragment Otx2_13988

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)

10k 20k 30k 40k 50k 60k 70k 80k 90k 100k 110k 120k 130k 140k 150k 160k 170k 180k

Mus musculus

Otx2.1

|||||

Otx2.2

|||||

rCNE



Fugu rubripes

AAQ72465.1

H

SCE

◆

Conserved regions shown within 2000bp context

The mouse context contains:

-rCNEs green boxes, in red the one considered for this test

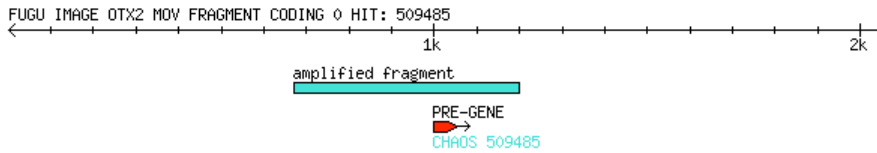
-SCEs yellow boxes, in red the one considered for this test

-CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

-the fragment amplified in this test

-CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES

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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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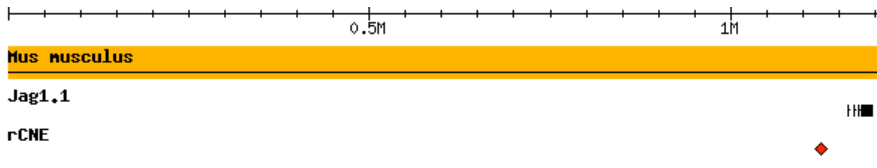
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Fragment Jag1_16407

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



Conserved regions shown within 2000bp context

The mouse context contains:

-rCNEs green boxes, in red the one considered for this test

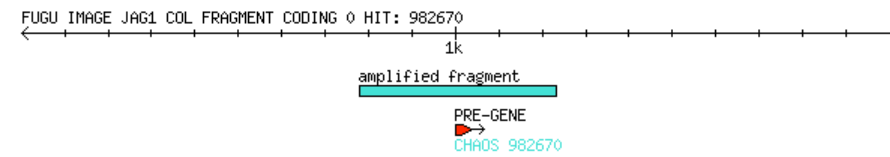
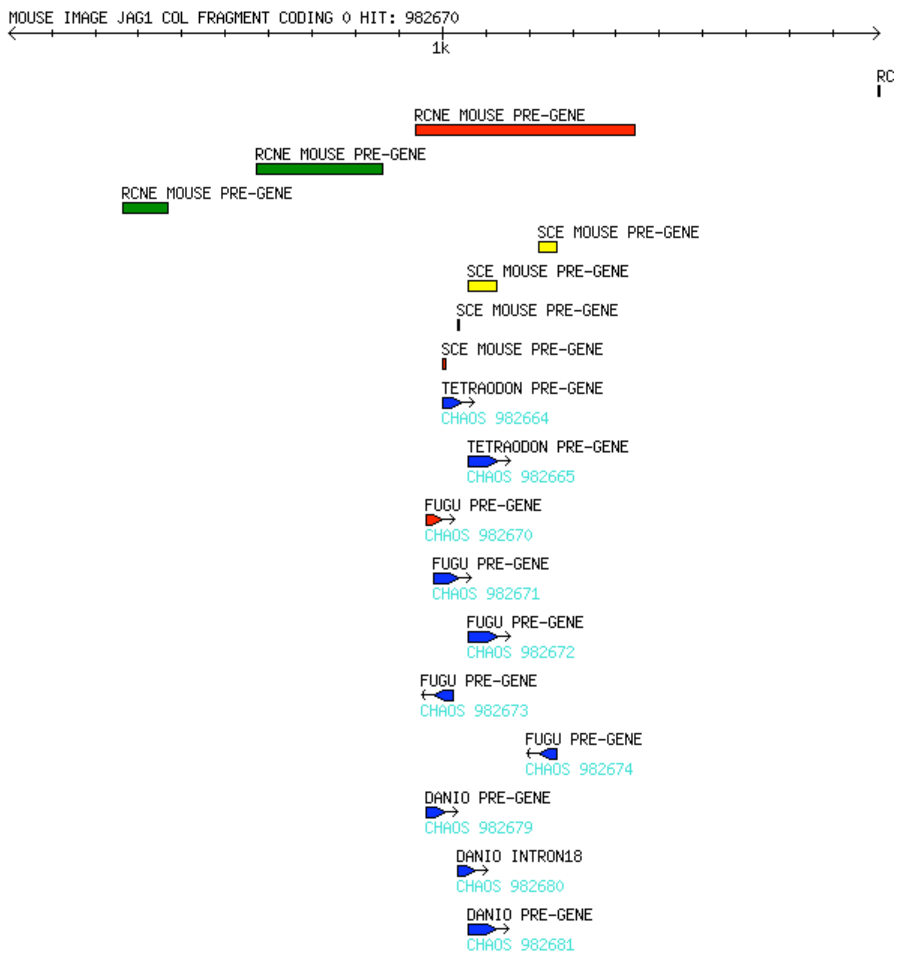
-SCEs yellow boxes, in red the one considered for this test

-CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

-the fragment amplified in this test

-CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES

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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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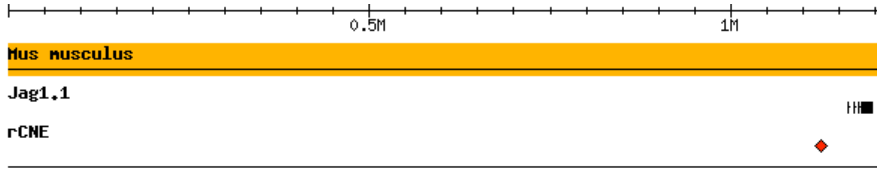
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Fragment Jag1_16408

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



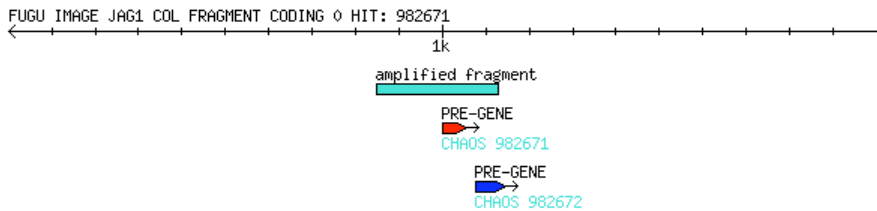
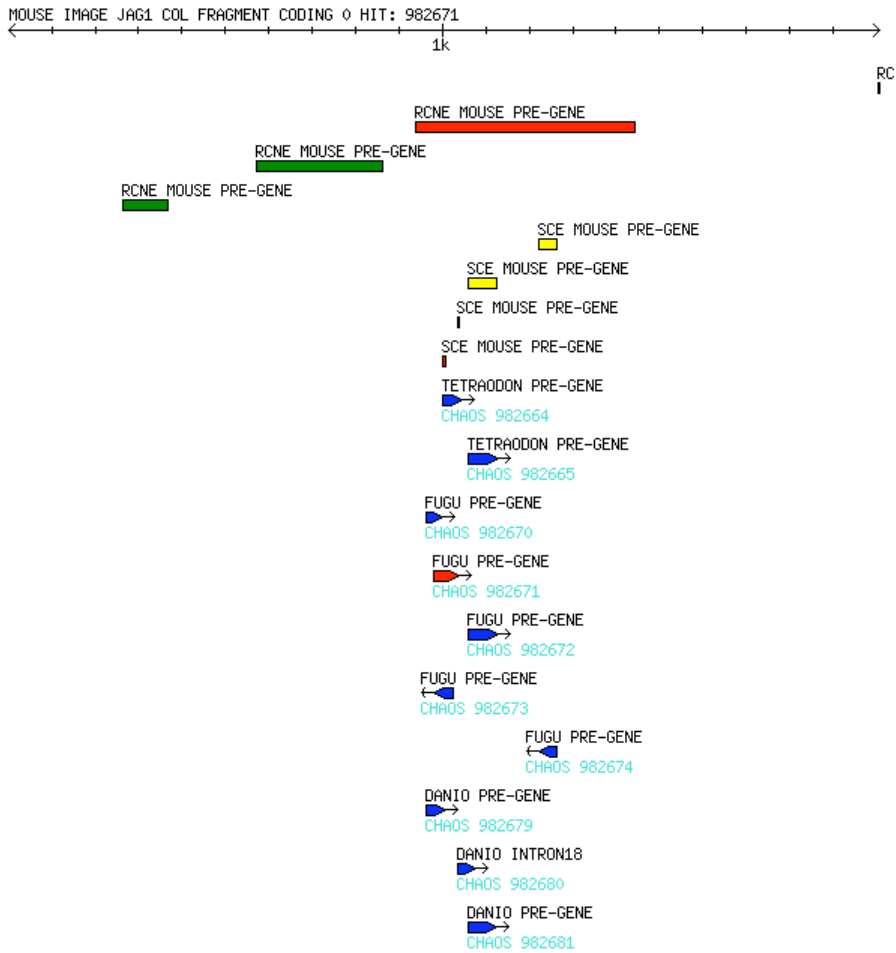
Conserved regions shown within 2000bp context

The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES

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CAAGAC

FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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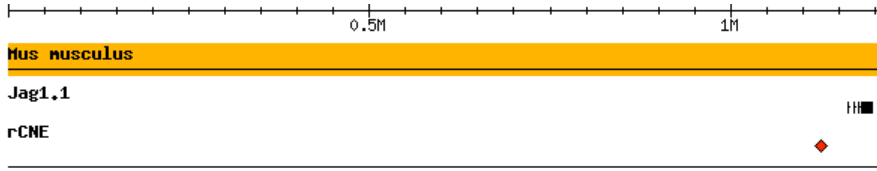


Fragment Jag1_16409

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



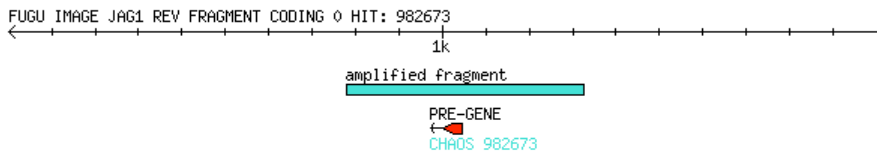
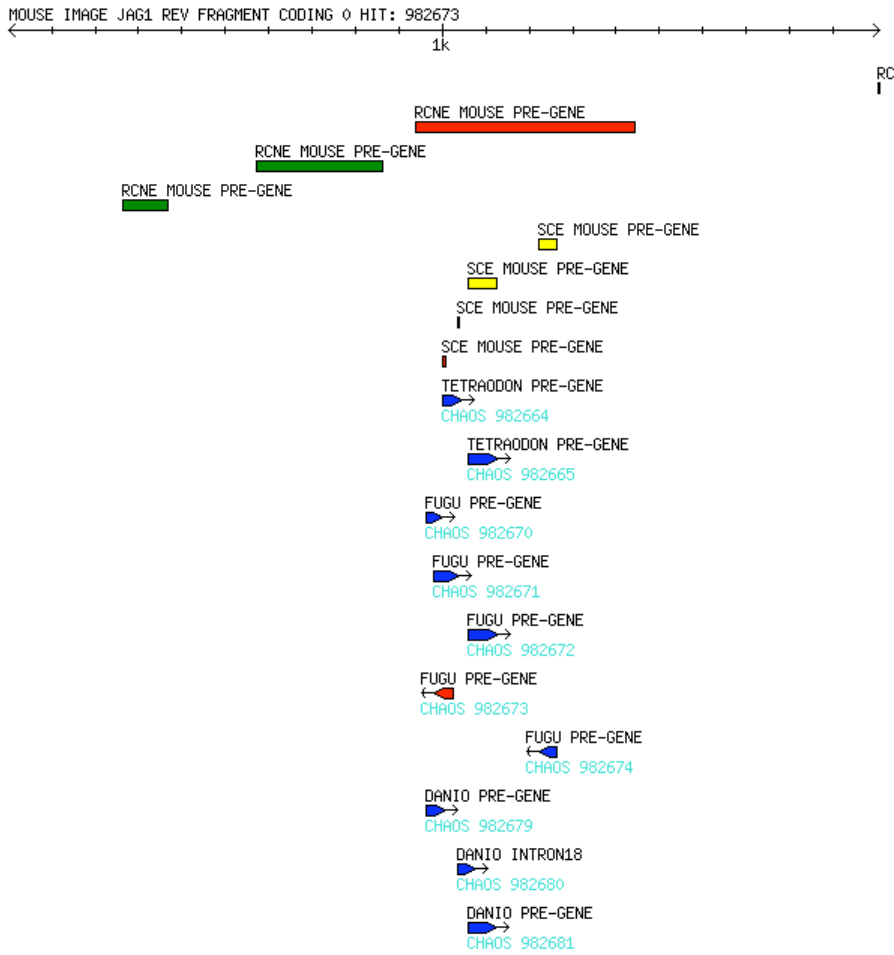
Conserved regions shown within 2000bp context

The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES

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CAAGAC

FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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SINFRUG00000154594      -----AATGTGGCGGCCACAGGCAG
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Fragment Lmx1b_17027

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)

10k 20k 30k 40k 50k 60k 70k 80k 90k 100k 110k 120k 130k 140k 150k 160k 170k

Mus musculus

Lmx1b.1
|-----|

rCNE



Fugu rubripes

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SCE



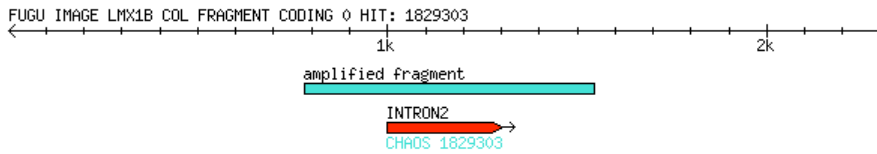
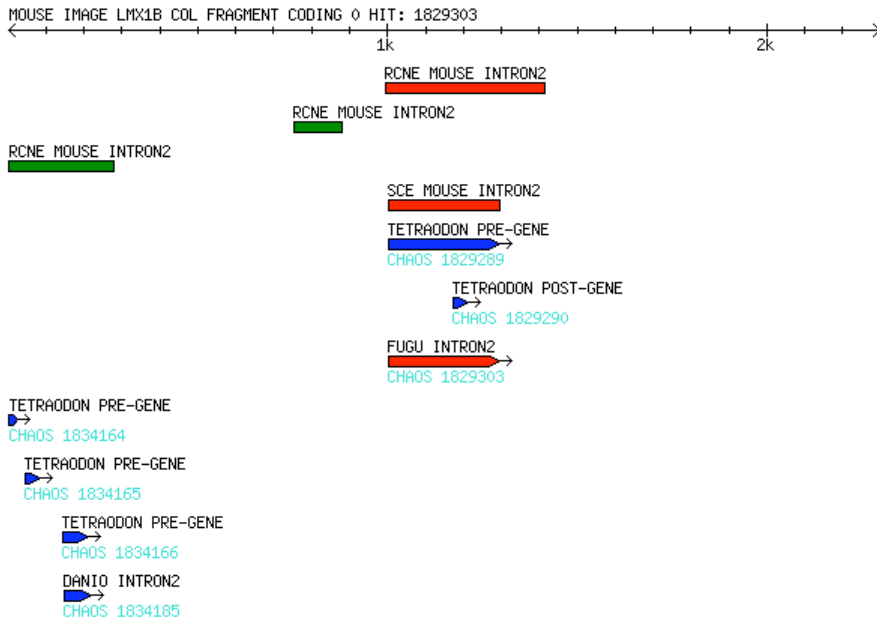
Conserved regions shown within 2000bp context

The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test



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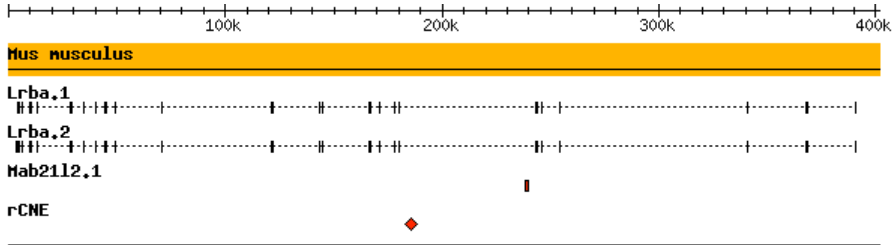
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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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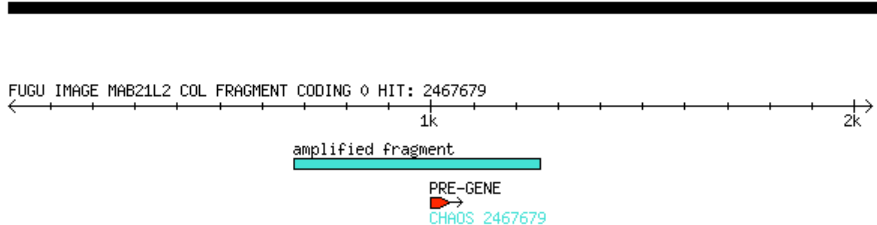
Conserved regions shown within 2000bp context

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- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES

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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

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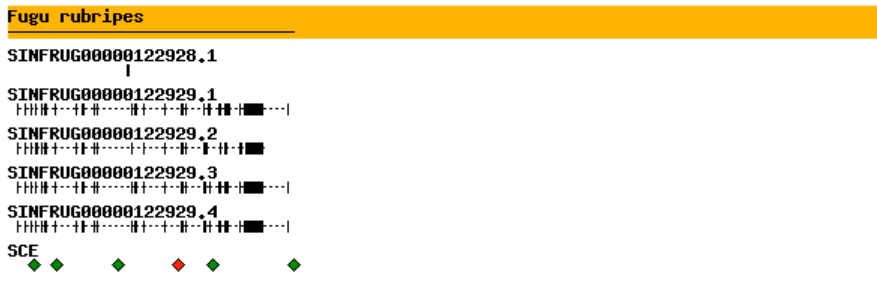
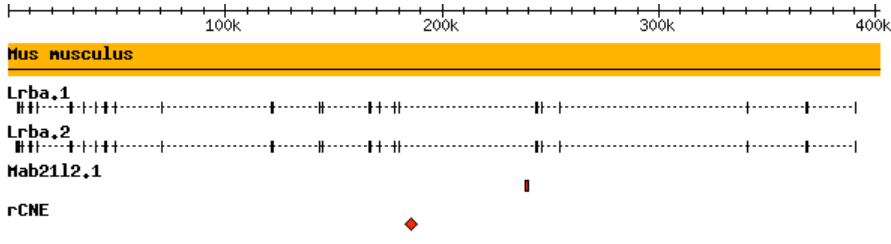
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Fragment Mab2112_23002

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



Conserved regions shown within 2000bp context

The mouse context contains:

-rCNEs green boxes, in red the one considered for this test

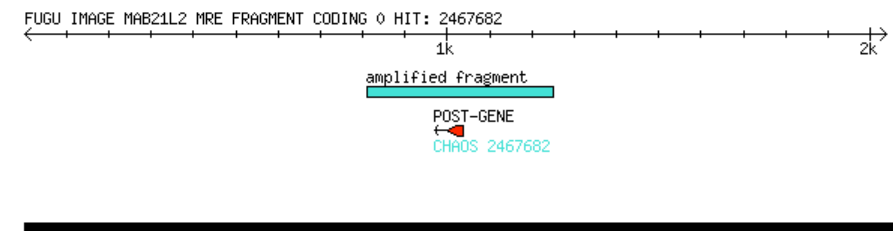
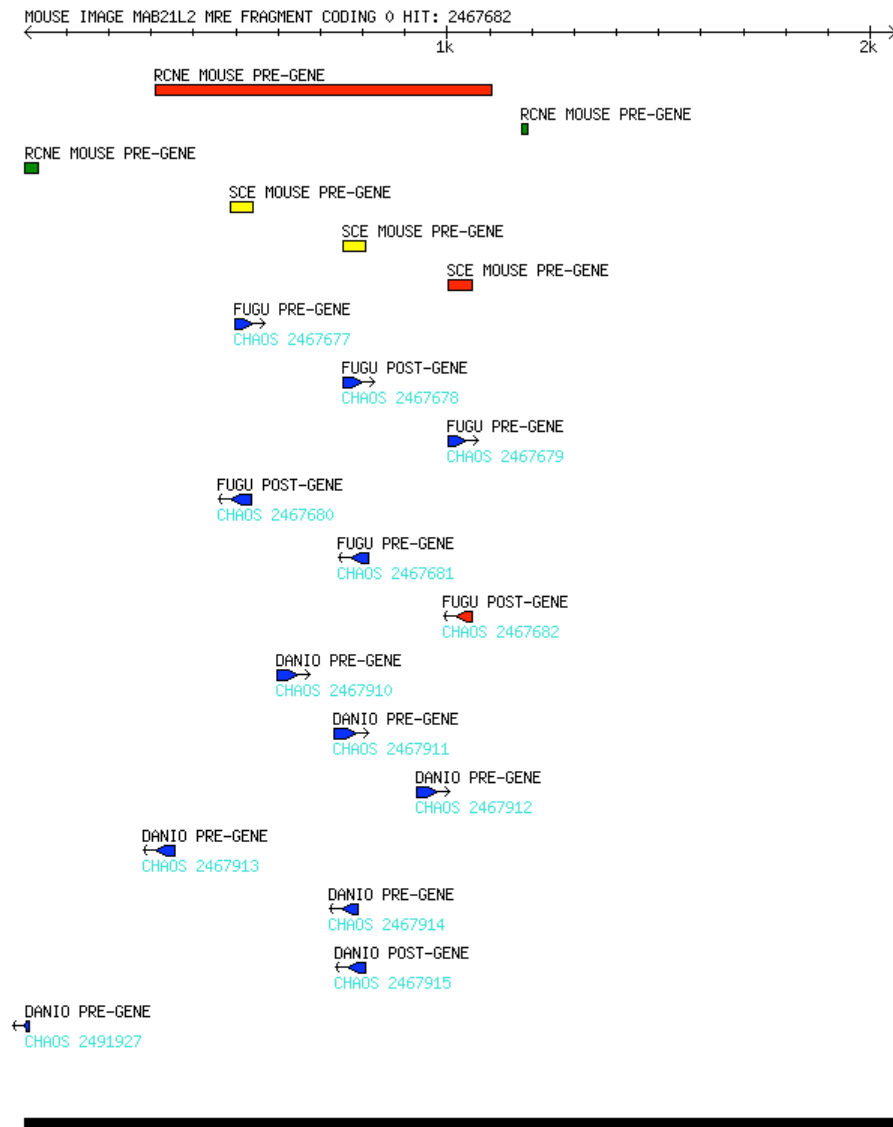
-SCEs yellow boxes, in red the one considered for this test

-CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

-the fragment amplified in this test

-CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES


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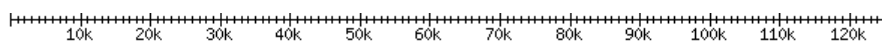
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Fragment Shh_12058

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



Conserved regions shown within 2000bp context

The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test


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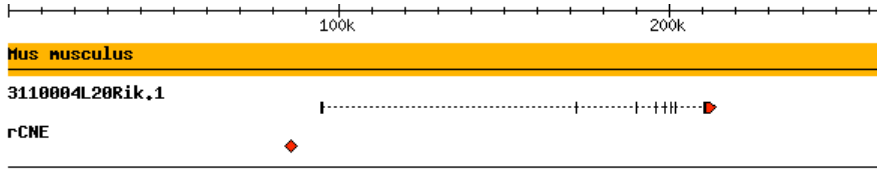
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Fragment 3110004L20Rik_5803

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



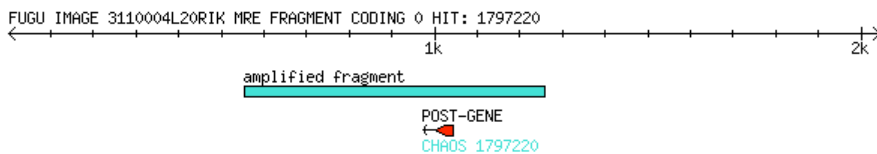
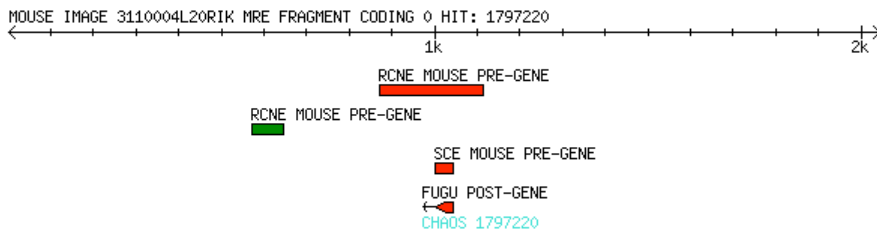
Conserved regions shown within 2000bp context

The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test



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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

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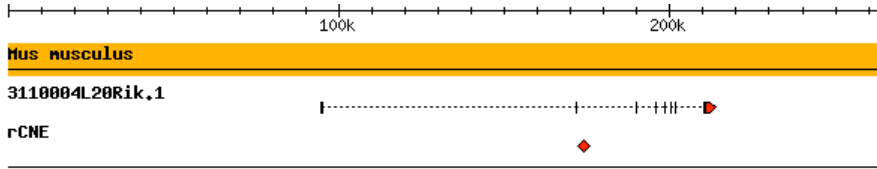
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SINFRUG00000121672  -----
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Fragment 3110004L20Rik_5802

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



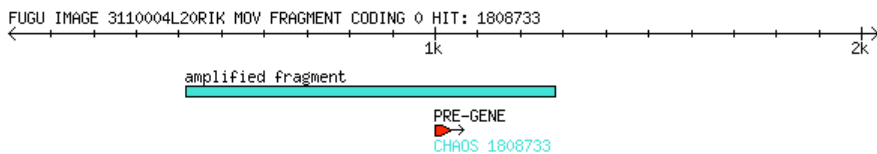
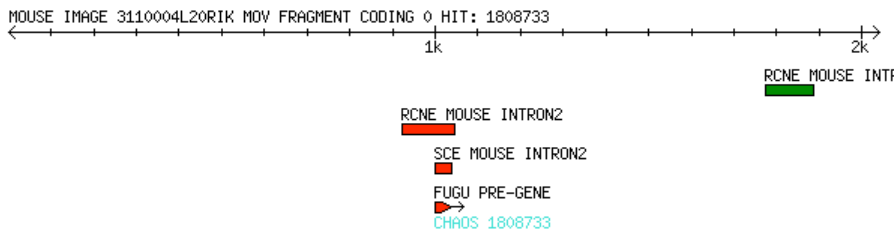
Conserved regions shown within 2000bp context

The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES

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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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SINFRUG00000121672      -----

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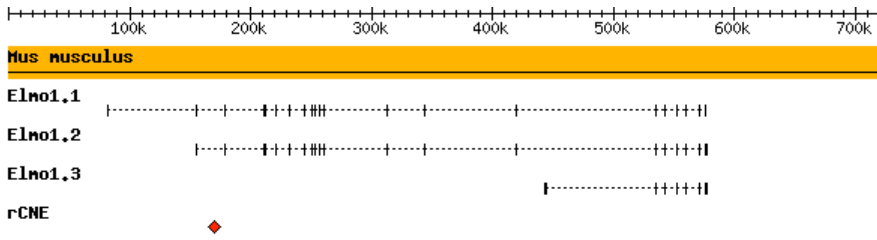
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Fragment Elmo1_6026

Representation of conserved regions within their genic context

Within the mouse context is shown the rCNE from which the tested SCE is derived (red diamond)

Within the fugu context all CHAOS hits obtained from the mouse rCNE are shown (green diamonds, in red the one tested)



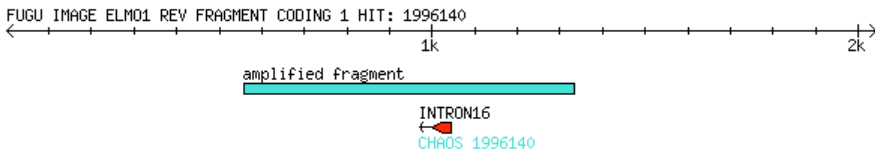
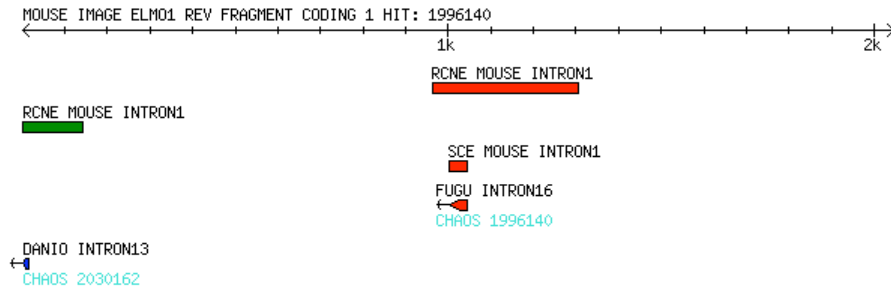
Conserved regions shown within 2000bp context

The mouse context contains:

- rCNEs green boxes, in red the one considered for this test
- SCEs yellow boxes, in red the one considered for this test
- CHAOS hits blue boxes, in red the one considered for this test

The fugu context contains:

- the fragment amplified in this test
- CHAOS hits blue boxes, in red the one considered for this test



SEQUENCES

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FUGU HITS IN THE CONTEST OF MAMMALIAN rCNE

CLUSTAL W (1.83) multiple sequence alignment

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SINFRUG00000150659   -----CCTGTTCTTAT--CATGGATGTG
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