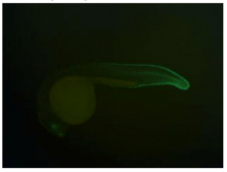
A

Image

Image: Download original image data



UAS type: ☐

Line name

Construct: HG * Number: 21C

Image type: expression pattern

Effector: none

Line type: ○ wild type ◉ transgenic ○ mutant ○ injected ○ NA

Stage: ○ day 0 ◉ day 1 ○ day 2 ○ day 3 ○ day 4 ○ day 5 (Free text)
○ adult

Region:
☑ brain/head ☑ (forebrain) ☐ (midbrain) ☐ (mhb) ☐ (hindbrain)
☐ spinal cord ☐ (floor plate) ☐ pns/lateral line/neuromast ☐ pineal gland ☐ nose
☑ eye ☐ otic vesicle ☐ skin ☐ gill arches/jaw ☐ thymus
☐ notochord ☐ somite/muscle ☐ heart ☐ blood ☐ blood vessel
☑ fin ☐ gut ☐ (intestine) ☐ (liver) ☐ (pancreas)
☐ (pronephros) ☐ (swim bladder) ☐ mouth ☐ hatching gland ☐ yolk
☐ post-vent region (tail) ☐ whole organism

posterior notochord and median fin folds (Free text)

Information

Insertion	Genotype	Number			
HG21C	hetero	1			View

Transposon construct		
T2KHG		View

B

Insertion

Insertion name: HG21C

Transposon construct: T2KHG

Gene: tcf7

Keywords:

Insertion within: Exon ☑ Intron ☐

Chromosome: 21

Start: 46139050

End: 46138550

Sequence length: 504

Integration site: GAGGTCGG

Site position: 172

```
CACACACACACACACACACACACACACACACACACAGATACAAAATTTCTCTCACACA
CAGACACAAACACACACACTCTCTCTCTCACACACACAGACACACTCGGACACTCACG
GCTGGCCTCTGCCTGATCTCGGCTCCGCTGACCAGTGATGATTTGAGGTCGGCCAGGTCG
CTCTCCGTGAACGCGCTCTCCCGGATCTTCTCCTCGTGATCCCCTTCATCTTTAAACGCG
ATCATCTCGTCGTTCGCGCCGAGGTCGTCGCCTCCTCCGCCGTTCAGCTGCGGCATGATC
CAAACTTCTCAAGACGTCTCTTCGGTGCTGCTCGTACCCGTTCGGCCGCCGCTCACATCAG
CGTCTGAGCCTCGCGCGCGGGAGAAAACTTCTTTATGCGGACCCTCAAACTAACAACAG
TCGCGCTTTAGAAGTGCGGAGATCAAAGGCGCCGACGCGTGATTGACAGCTGAGATGAGC
CGAGGGGGGGTCCGCTCTTAAGG
```

Analysis result:

Query Start	Query End	Query Length	Chr.	Strand	Start	End	Length	Block Counts	Score	% identity		
504	7	504	21	-	46138550	46139050	501	4	489.0	99.7979797979798		

cDNA:

cDNA Name	Gene Type	Experiment	Query Start	Query End	Query Length	Chr.	Strand	Start	End	Length	Score	% identity	
tcf7	Known	RT-PCR											
tcf7-exon1-2	Known	RT-PCR	1	312	312	21	+	46138690	46139489	47572505	309.0	99.6794871794870 1	
tcf7-exon3-4	Known	RT-PCR	220	1	220	21	-	46098519	46170796	47572505	215.0	100.0	

C

cDNA

* cDNA name: tcf7-exon1-2

Insertion name: HG21C

Gene type: Known

Experiment: RT-PCR

Accession ID:

Sequence:

```
AGACGCTGATGTGAGCGCGCCGAACGGGTACGAGCAGCACCGAAGAGACG
TCTTGAGAAAGTTTGGATCATGCCGCAGCTGAACGGCGGAGGAGGCGACG
ACCTCGGCGCGAACGACGAGATGATCGCGTTTAAAGATGAAGGGGATCAC
GAGGAGAAGATCCGGGAGAGCGCGTTCACGGAGAGCGACCTGGCCGACCT
CAAATCATCACTGGTCAGCGAGACCGAGATCAGCCAGACGCCAGCCGTGA
TCAGAAGAGCAGCAGGACGAGCAGAGGATCTACAGCGATAAACGAGAA
CATCTGGACGAC
```

Analysis result:

Query Start	Query End	Query Length	Chr.	Strand	Start	End	Length	Block Counts	Score	% identity	
1	312	312	21	+	46138690	46139489	800	2	309.0	99.6794871794870 1	

D

Transposon construct

Transposon construct: T2KSAG

Sequence:

```
CCACCTAAATTGTAAGCGTTAATATTTTGTTAAAATTCGCGTTAAATTTT
TGTTAAATCAGCTCATTTTTTAACCAATAGGCCGAAATCGGCAAAATCCC
TTATAAATCAAAGAATAGACCGAGATAGGGTGAGTGTTGTTCCAGTTT
GGAACAAGAGTCCACTATTAAAGAACGTGGACTCCAACGTCAAAGGGCGA
AAAACCGTCTATCAGGGCGATGGCCCACTACGTGAACCATCACCCTAATC
AAGTTTTTTGGGGTCGAGGTGCCGTAAAGCACTAAATCGGAACCCTAAAG
GGAGCCCCCGATTTAGAGCTTGACGGGGAAAGCCGGCGAACGTGGCGAGA
AAGGAAGGGAAGAAAGCGAAAGCGAGCGGGCGCTGGCAAGTGT
AGCGGTCACGCTGCGCGTAACCACCACACCCGCCGCGCTTAATGCGCCGC
TACAGGGCGCGTCCCATTCGCCATTCAGGCTGCGCAACTGTTGGGAAGGG
CGATCGGTGCGGGCCTCTTCGCTATTACGCCAGCTGGCGAAAGGGGGATG
TGCTGCAAGGCGATTAAGTTGGGTAACGCCAGGGTTTTCCCAGTCACGAC
GTTGTAAAACGACGGCCAGTGAGCGCGCGTAATACGACTCACTATAGGGC
GAATTGGGTACCAAATAGTAGGAATTACCCACCTGTACAAGTGCTGAAAA
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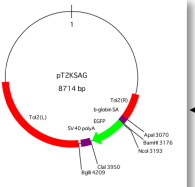

Plasmid name:pT2KSAG
Plasmid size:8714 bp
Constructed by:Koichi Kawakami
Contruction Date:November 22, 2000
Comment&Reference:Kawakami, K. et al.
A transposon-mediated gene trap approach identifies developmentally regulated genes in zebrafish.
Developmental Cell 7, 133-144 (2004)

E

Fish Status

Refresh

Fish (1 - 1 of 1)

Line Name	Line Type	Mother	Father	Cross	Generation	Status
SAGFF(LF)27A	transgenic	UT	SAGFF(LF)27A	outcross	NA	

Refresh