

EMBL-EBI Sangel

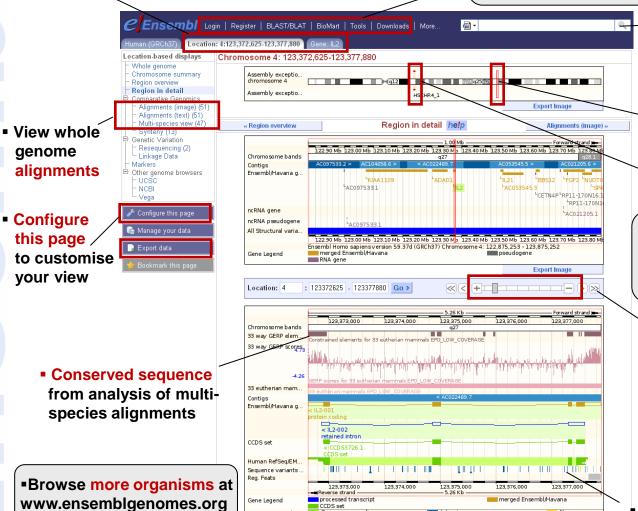
- Move from a gene to a location display with tabs
- BLAST a sequence

Variation Legend

- Mine data with BioMart
- Query using our Perl API

Try our tools:

- Assembly Converter
- ID History Converter
- Variant Effect Predictor



Synonymous coding
5' UTR

There are currently 276 tracks turned off

- Search for a gene, location, variation, clone, probeset, or phenotype
- Current location is indicated
- Alternate haplotypes are available
- Browse genes & annotation for over 50 species in our chordate site
- Zoom into a region



 Click a colour-coded sequence variant for a pop-up box of information

Reference: Flicek, P. et al. Ensembl 2011 (2011) Nucleic Acids Research 39:D800-D806

Ensembl Homo sapiens version 59.37d (GRCh37) Chromosome 4: 123,372,625 - 123,377,880

Reference: BMC Bioinformatics – Ensembl Update 2010 http://www.biomedcentral.com/series/ENSEMBL2010 Tutorials: http://www.ensembl.org/info/website/tutorials

Export Image

 Tabs allow navigation through location, gene, transcript, variation, and gene regulation

The Gene Tab

📑 Export data

🕠 Download view as RTF

Download

in MS® Word

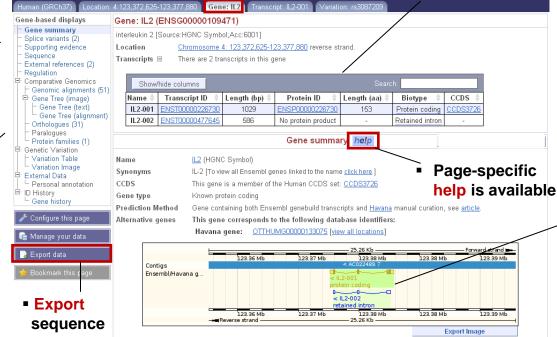
to open

 The transcript table lists splice variants and has sortable columns

Contextual navigation for a gene

information

 Comparative and variation displays are available



5' upstream

Intron 1-2

ENSE00001293064 123,377,449 123,377,880 -

ENSE00000935280 123,377,299 123,377,358 0

123,377,359 123,377,448

www.ensembl.org

- •Gold transcripts are protein coding and are agreed on by Ensembl and Vega/Havana
- Red transcripts are protein coding and are from Ensembl or VEGA/Havana
- Blue, Grey, or Pink transcripts are non-coding
- Human protein coding transcripts make the GENCODE set

TTCAGAC<mark>A</mark>GGTAAAGTCTTTGAAAATATGTGTAATATGTAAAACATTTTGACACC

CCATAATATTTTTCCAGAATTAACAGTATAAATTGCATCTCTTGTTCAAGAGTTCCCTATCACTCTCTTTAATCACTACTCACAGTAACCTCAACTCCTGCCACAATGTACAGGATGCAA

CTCCTGTCTTGCATTGCACTAAGTCTTGCACTTGTCACAAACAGTGCACCTACTTCAAGT

AATTACAAGAATCCCAAACTCACCAGGATGCTCACATTTAAGTTTTACATGCCCAAGAAG

tettaataacaatgcattatactttettag

Contact us at helpdesk@ensembl.org



UTR

Coding sequence

sequence

Intron