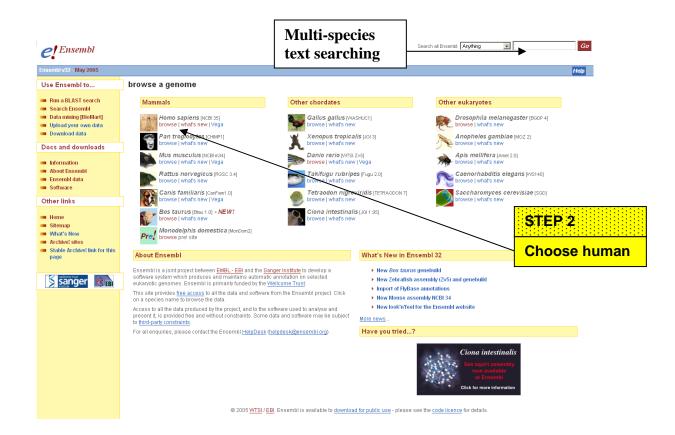
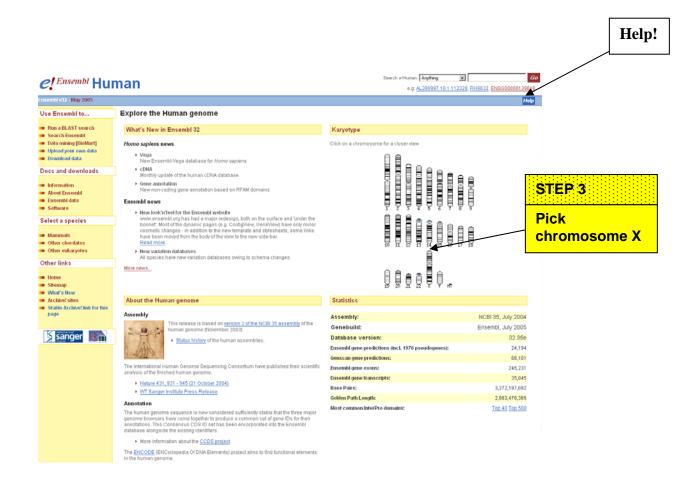
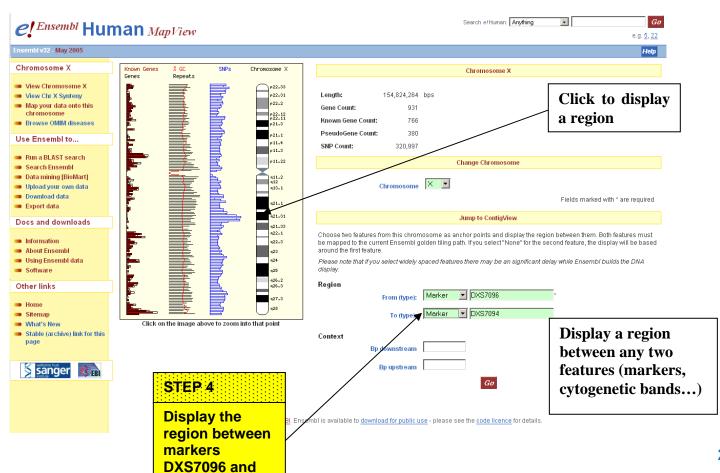
Ensembl worked example

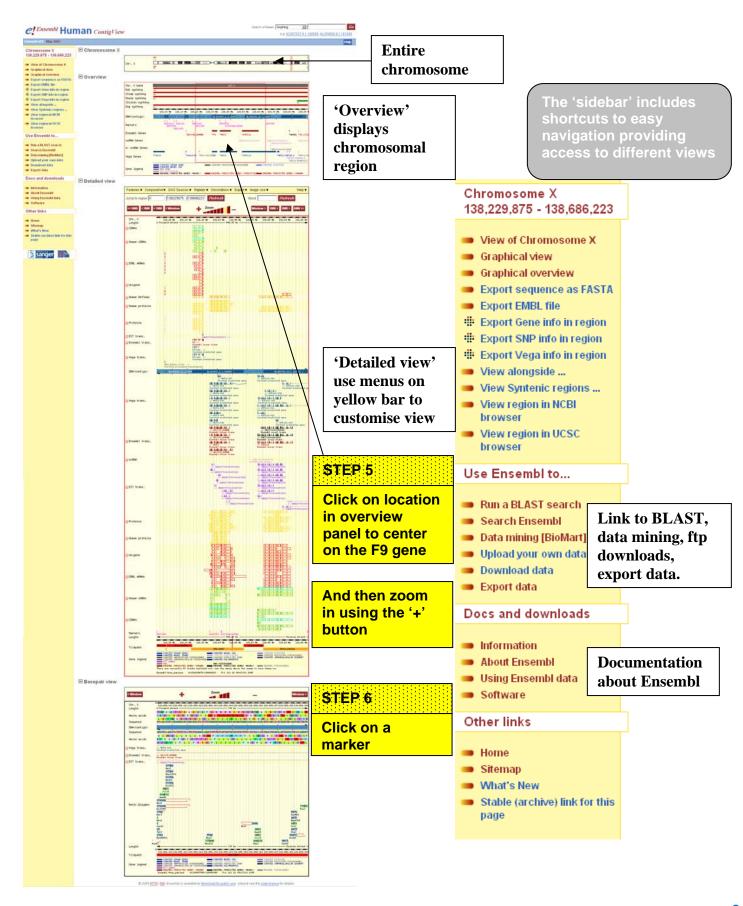








DXS7094



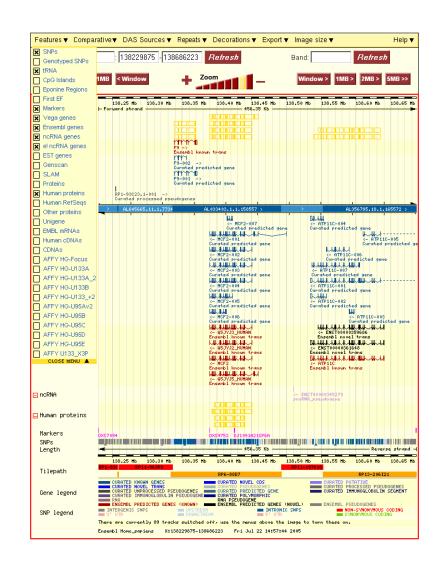
STEP 7 Back to ContigView

Chromosome Map Marker DXS9752

| Marker Source | 82913 (database: unists) | Contiguen | | |
|-----------------|--|--------------------------------------|--|--|
| Marker Location | Basepairs 138389786 - 138390044 on chromosome X [Export data] | | | |
| Marker Synonyms | Gdb: GDB:737728 GDB:738733 Genbank: G13636 Other: SHGC-11927 DXS9752 RH8108 | | | |
| Marker Primers | Expected Product Size Left Primer 259 TTTTCAGGTTAATGGACACGC | Right Primer CCATTTTGCAGCCGTAATTT | | |

Marker DXS9752 map locations

| Map Name | Synonym | Chromosome | Position | LOD Score |
|----------|---------|------------|----------|-----------|
| gm99g3 | RH8108 | X | 4259 | 3.5 |

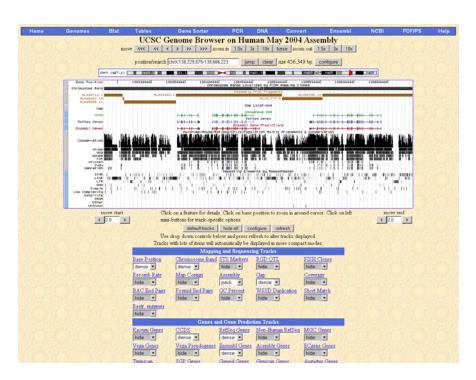


STEP 8 **Customise the** 'Detailed view' panel of ContigView with the 'Features' menu. X SNPs Genotyped SNPs x trna CpG Islands Eponine Regions First EF **▼** Markers X Vega genes Ensembl genes ncRNA genes ▼ e! ncRNA genes EST genes Genscan SLAM Proteins × Human proteins Human RefSeqs Other proteins Unigene EMBL mRNAs Human cDNAs ☐ CDNAs AFFY HG-Focus AFFY HG-U133A AFFY HG-U133A_2 AFFY HG-U133B AFFY HG-U133_+2 AFFY HG-U95Av2 AFFY HG-U95B AFFY HG-U95C AFFY HG-U95D AFFY HG-U95E AFFY U133_X3P CLOSE MENU A



STEP 10

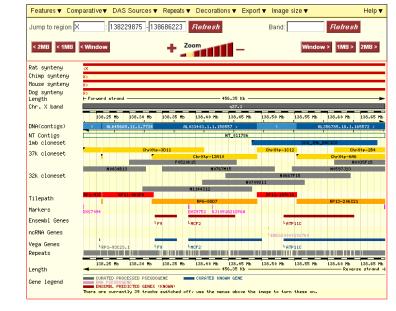
Back to ContigView go to CytoView
Graphical overview



☐ Chromosome X



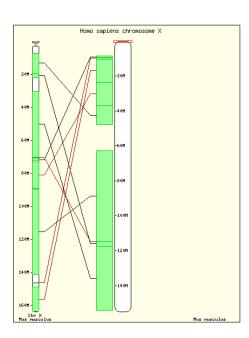
☐ Detailed view



□ Export data







STEP 11 **Using the sidebar** jump to SyntenyView

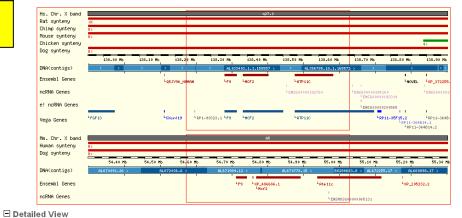
| Homology Matches | | | | |
|---|---------|--|--|--|
| Homo sapiens Genes | | <i>Mus musculus</i> Homologues | | |
| MCF2 (138,39 Mb) [ContigView] | -> | Mcf2 [ContigView] [MultiContigView] | | |
| ATP11C (138.53 Mb) [ContigView] | -> | Atp11c [ContigView] [MultiContigView] | | |
| XP_372255.1 (138.90 Mb) [ContigView] | -> | XP_205232.2 [ContigView] [MultiContigView] | | |
| SOX3 (139.31 Mb) [ContigView] | -> | Sox3 [ContigView] [MultiContigView] | | |
| LDOC1 (140.00 Mb) [ContigView] | -> | Ldoc1 [ContigView] [MultiContigView] | | |
| Naviga | ate Hon | nology | | |
| Upstream (<138.39 Mb) Downstream (>140.51 Mb) | | | | |
| Change Chromosome | | | | |
| Chromosome | | | | |

STEP 12

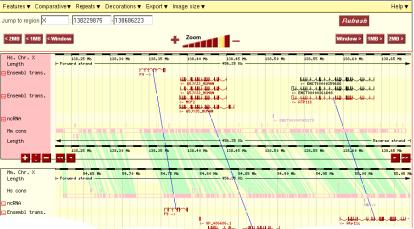
Using the sidebar jump to **MultiContigView**

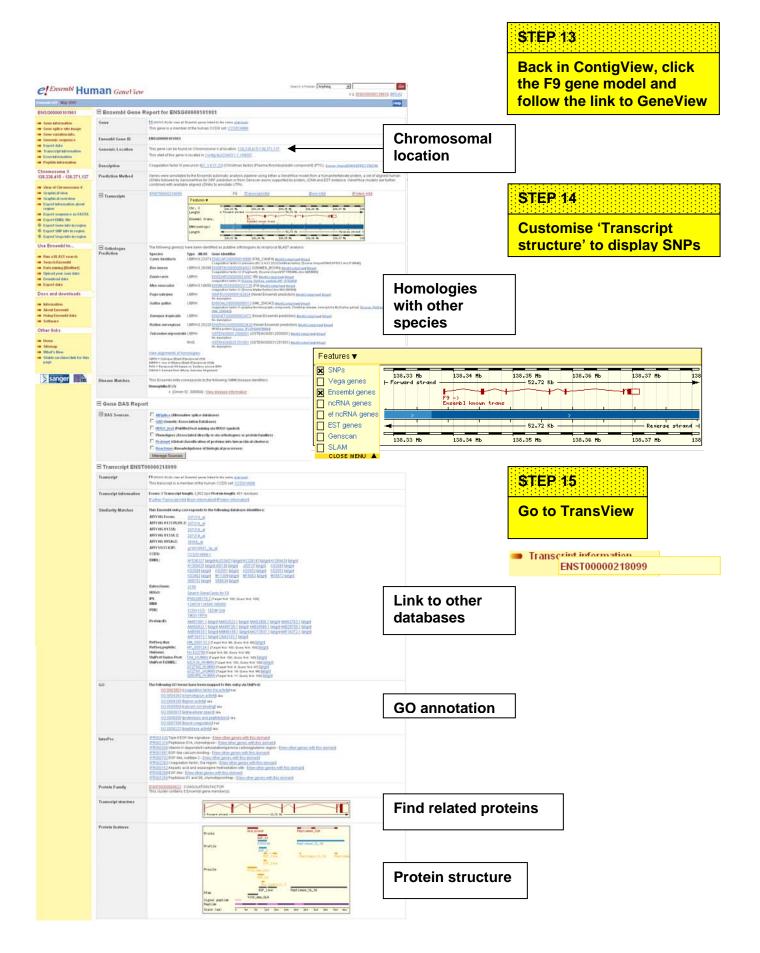
> Chromosome X 138,229,875 - 138,686,223 View of Chromosome X Graphical view Graphical overview Export sequence as FASTA Export EMBL file # Export Gene info in region Export SNP info in region # Export Vega info in region View alongeide View s ... Bos taurus View r ... Canis familiaris brows ... Ciona intestinalis brows ... Danio rerio View r ... Fugu rubripes
> Use Ens ... Gallus gallus Run a ... Mus musculus Searcl ... Pan troglodytes Data n ... Rattus norvegicus Uploat ... Tetraodon nigroviridis
>
> Downl

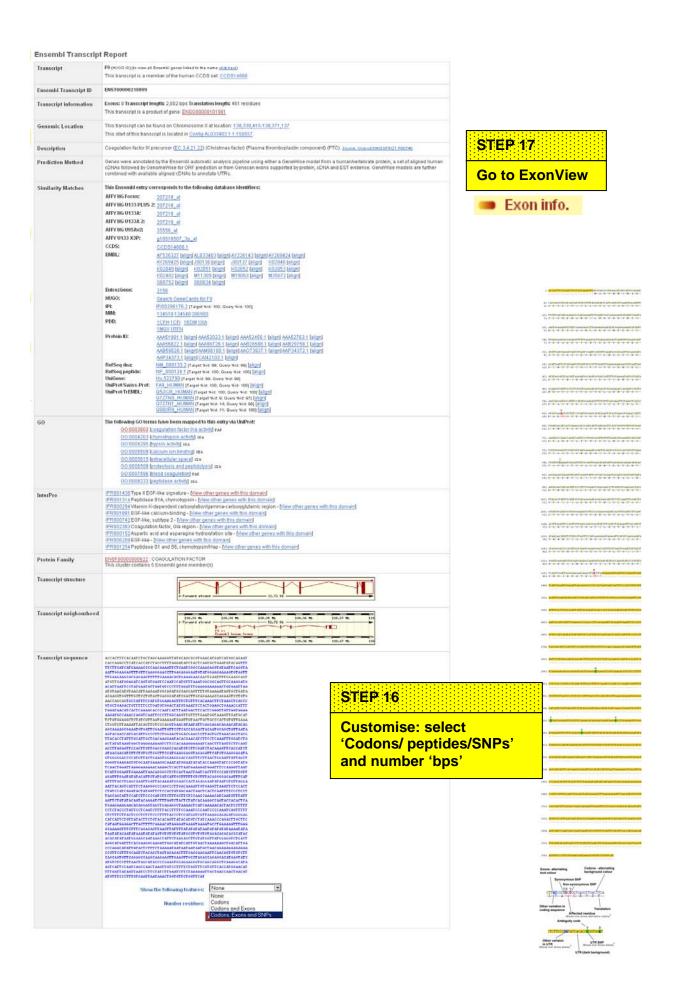
Export ... Xenopus tropicalis



Features ▼ Comparative ▼ Repeats ▼ Decorations ▼ Export ▼ Image size ▼ Jump to region 🗵 138229875 -138686223







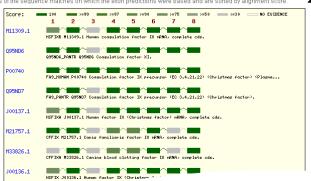
STEP 18 **Ensembl Exon Report Export sequence in FASTA** Transcript F9 (HUGO ID) (to view all Ensembl genes linked to the name $\underline{\text{click here}}$) This transcript is a member of the human CCDS set: CCDS14666 format Ensembl Transcript ID ENST00000218099 Transcript information Exons: 8 Transcript length: 2,802 bps Translation length: 461 residues Export sequence as FASTA This transcript is a product of gene: $\underline{\text{ENSG00000101981}}$ Genomic Location This transcript can be found on Chromosome X at location: $\underline{138,338,415\text{-}138,371,137}$ This start of this transcript is located in $\underline{\text{Contig AL}033403.1.1.158557}.$ Description Coagulation factor IX precursor (EC 3.4.21.22) (Christmas factor) (Plasma thromboplastin component) (PTC). Source: Uniprovisions Series (POS) (Plasma thromboplastin component) (PTC) (PTC

■ Exon Information

| No. | Exon / Intron | Chr | Strand | Start | End | Length | Sequence | |
|-----|-------------------------------|-----|--------|-------------|-------------|--|--|---|
| | 5' upstream sequence | | | | | | ccayaagtaaatacagctcagcttgtactttggtacaactaatcgac | tt |
| 1 | ENSE00000677288 | Х | 1 | 138,338,415 | 138,338,531 | | CACAATCTGCTAGCAAAGGTTATGCAGCGCGTGAACATGATCATGGCAGA CTCATCACCATCTGCCTTTTAGGATATCTACTCAGTGCTGAATGTACAG | AT |
| | Intron 1-2 | X | 1 | 138,338,532 | 138,344,688 | 6,157 bp gtttgttt | ccttttttaaaatacataaagaattattcttttacatttc | ag |
| 2 | ENSE00000677287 | Х | 1 | 138,344,689 | 138,344,852 | GTAAATTG | GATCATGAAAACGCCAACAAAATTCTGAATCGGCCAAAGAGGTATAATT(GAAGAGTTTGTTCAAGGGAACCTTGAGAGAGAATGTATGGAAGAAAAGT(GAAGCACGAGAAGTTTTTGAAAACACTGAAAGAACA | |
| | Intron 2-3 | Х | 1 | 138,344,853 | 138,345,040 | 188 bp gtgagtat | ttocacataataccottatttgtottottttattottta | ag |
| 3 | ENSE00001173335 | X | 1 | 138,345,041 | 138,345,065 | 25 bp ACTGAATT | TTGGAAGCAGTATGTTG | |
| | Intron 3-4 | X | 1 | 138,345,066 | 138,348,754 | 3,689 bp gtaagcaa | ttcatttttatcctctagttcaatttcttaacctatctca | ag |
| 4 | ENSE00001173327 | X | 1 | 138,348,755 | 138,348,868 | | CAGTGTGAGTCCAATCCATGTTTAAATGGCGGCAGTTGCAAGGATGACAT GAATGTTGGTGTCCCTTTGGATTTGAAGGAAAGAACTGTGAATTAG | TA |
| | Intron 4-5 | X | 1 | 138,348,869 | 138,356,041 | 7,173 bp gtaagtaa | ctatttttttgaatactcttactgtctattttgcttcttt | ag |
| 5 | ENSE00001173320 | Х | 1 | 138,356,042 | 138,356,170 | | TGTAACATTAAGAATGGCAGATGCGAGCAGTTTTGTAAAAATAGTGCTG/ GTTTGCTCCTGTACTGAGGGATATCGACTTGCAGAAAACCAGAAGTCCT(G | |
| | Intron 5-6 | X | 1 | 138,356,171 | 138,358,740 | 2,570 bp gtcataat | ctgaataagattttttaactaatttttcttctattttt | E/ |
| 6 | ENSE00001173315 | Х | 1 | 138,358,741 | 138,358,943 | CTGTTTTT TCACTCAA | CCATOTGGAAGAGTTTCTGTTTCACAAACTTCTAAGCTCACCCGTGCT CCTCATOTGGACTATGTAAATTCTACTGAAGCTCAAACCATTTTGGAT AGCACCAATCATTTAATGACTTCACTCGGGTTGTTGGTGGAGAAGAT CAATTCCCTTGGCAG | Exon/intron sequence |
| | Intron 6-7 | X | 1 | 138,358,944 | 138,368,419 | 9,476 bp gtacttta | tactgatggtgtgtcaaaagagtcttaattttgttttca | ag |
| 7 | ENSE00001173311 | Х | 1 | 138,368,420 | 138,368,534 | | GAATGGTAAAGTTGATGCATTCTGTGGAGGCTCTATCGTTAATGAAAAAT TGCTGCCCACTGTGTTGAAACTGGTGTTAAAATTACAGTTGTCGCAG | ree |
| 8 | Intron 7-8 ENSE00001029145 | X | 1 | 138,368,535 | 138,369,202 | 668 bp gtaaatac | acagaaagaataataatttaaaatgaaatttattttaa | ag |
| | | | | | | AACTGGAC AATACACG TUCACAAA TUCACAAA TUCACAAA AAGGGACC AATATGGA ATTGCATTA ATTGCACTA ATTGCACTA ATTGCACTA ATTGCACTA CUTTGACCA CUTTGACCA CUTTGACCA CUTTGACCA CUTTGCACTA ACCUTCCA AGCCTACA ACATATACA ATATACA ATATACA ATATACA ATATACA AGGACTTT TUCACAGTT TUCACAGT TUCAC | CACAACTACAATGCAGCTATTAATAACTACAACCATGACATTGCCTTTG AGACCCTTAGCTAAACAGCTACTGCTTACACCTTTTTTGCATTGCTACAA AACACTCTTCCTCAAATTTGCATCTGCTTACACCTTTTTTTCCATTGCTGGGAAACACACAC | GG CT |
| | | | | | | TCCTTTTC | TGGTTTCGTGTTCACCATGGAACATTTTGATTATAGTTAATCCTTCTA TAGAGAGTTGCTGACCAACTGACGTATGTTTCCCTTTGTGAATTAATA | to build gene |

☐ Support Evidence

The supporting evidence below consists of the sequence matches on which the exon predictions were based and are sorted by alignment score.



Configuring FASTA File output for FASTA format text file

You are exporting Chromosome X 138,333,415 - 138,376,137.

