

## Browsing Human and vertebrates genome

BASIC Level Services

MEDIUM Level Services

1 - List of species in the genome database

☐ JSON

2 - Information about the karyotype

☐ JSON

3- Chromosome Length

☐ JSON

## Browsing Human and vertebrates genome

BASIC Level Services

MEDIUM Level Services

1 - List of species in the genome database

JSON ☐

2 - Information about the karyotype

JSON ☐

3- Chromosome Length

JSON ☐

## Browsing Human and vertebrates genome

BASIC Level Services

MEDIUM Level Services

4 - Return the sequence of given human gene

Gene  JSON ☐ GO!

5 - Return information about a human gene

Gene  JSON ☐ GO!

6 - Gene calculations

Gene  JSON ☐ GO!

7 - Find genes

Chromosome   
Start   
End  JSON ☐ GO!

## Browsing Human and vertebrates genome

Results : Gene sequence

```
CGGCTCCCGCGGCTGCAGGCGCGCGGCTAGAGTGCCTGGCGGGCTCCGGCTTCCGCGTCCGCCCCGGCCC
CGGTCCAGACTTAGTCTTCAGCTCCGCGCCCGCTCCGCCGCGGGCCACCGCGCCCGCGGGCAGCCGAGCC
CCCAGCGACGCCCCGCACAGCTCCGGGTGCCAGACAGGGGGCCATGCCGTGCCGGAGGGAGGAGGAAGAG
GAAGCCGGCGAGGAGGCGGAGGGGGAGGAAGAGGAGGAGGACAGCTTCCTCCTACTGCAGCAGTCAGTGG
CGCTGGGCAGCTCGGGCGAGGTGGACCGGCTGGTGGCCCAGATCGGCGAGACGCTGCAGCTGGACGCGGC
GCAGCACAGCCCGGCTCGCCGTGCGGGCCCCCGGGGGCGCCGCTGCGGGCCCCGGGGCCCCCTGGCTGC
GGCGGTGCCGGCGGACAAGGCCAGGTCCCCGGCGGTGCCGCTGCTGCTGCCGCCCGCGTTGGCGGAGACT
GTGGGCCCCGGCGCCCCCTGGGGTCTCGCTGCGCCCTGGGGGACCGCGGGCCCGGTGCGGGGCCGCGCTG
CGCCCTACTGCGTGGCCGAGCTCGCCACAGGCCCCAGCGCGCTGTCCCACTGCCCCCTCAGGCCGACCTT
GATGGGCCTCCGGGAGCTGGCAAGCAGGGCATCCCGCAGCCGCTGTGCGGTCCGTGCCGGCGAGGATGGCT
CCGGGGCGCGCCGCGCTCCCGCCGCTGCAGCAGCGACGCGGTCCCAACCAGAAACCCGCACAGGCGAC
GACGACCCGCGACCGGCTTCTGCAGCAGCTAGTGTCTCTTGAAACCTCATCAAGGAGGCCGTGCGAAGGCT
TCATTGCGGACGGGTGCAGTTACGTGCAAAGCTTCCCCAACGCCCCGCTCCTGGGACCTCTGTGCGCCCCG
TGCATGAACCCCTTCGCCTCGCAGCCCTCGCGCGGCTGCAGTGACCCTGGCGCCTCCGGGAGGGCGCAG
CTCAGAACTGGCGACGCGTTCTTGTGCTGGCAGCTAACACGCCCCGGGTGGCCACAGCGCCAGCCTCAG
ACTGGAGGGCAAGGGTTCCCTTGAGGGCTGCAGTTCTACTCAGGCTGGTGGAGAACTCTGGCTTTTGAA
GCGAGAGTAAAAAGCTAATGACGAGGAACCGAAAAATCGCGAGTGTTTCGCGGGTAACTGGGGTTGAGGGC
CAAAATATTTGGAATGAAGACTTTGGCCCTATTTAAGGCAGATTTTACAGAGCGCACCTCAAACGTACAAGT
CAGTAGGACTCCTTATTTGGCGTGACCCGACCTGGCCGCGGAGCCTGCATTTCTCGCAGCCTCTCAGTGCC
CTCCAGCCCCGCGACCATGTGGCCACAATCCACGCTTCTCCGGATCGCGGTGCGCCGAACACGGAGGAT
```

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### Results : Error

Gene URJC1 not found

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## Browsing Human and vertebrates genome

Results : Gene sequence

```
CTCACTTCCCTCAACCCTTCCACAACTGGGAGGAAACTGAGACCTCCTGGTCACCCGCCGCCGGGCCTT
TTAGAAACTCCCACAAGCTCTGCCTTCCCTCCCTGGTCCTCTTCAGACCCCCTCTTAGTTCTTCGCGGCTAAC
GGTAAGCTCTCTCCTTACCTCTCCCTAATCGGCCCTCTGGAGAGGAAAAGAAAACCTTAAGAGTCGGGTCGC
GCTAGCCTCCAGCAGCCGCCGCGCCACCGACTGCTCCGCCCTTCTCCTCCCCCTCCTCCAGGCTCGCGC
TCGGGGCCGGGTGTGGAGCTGGAACAGAGGGCTGGCAAGGCGCGCATGCGCACCGAGGGTGGAGCCGCTG
AGCACAGAACCGGAACTTAGAGACAAAGTTCGGAGCCCCGCCCGCCGCGCCGCTGAGTTGTCTGGC
CCCGCCGACCCACGGCCACGACCCACCGACCCACGAATCGGCCCGGCCGTGCGGTGCACCATGTCTGGCT
CCTCCAGCGTCGCCGCTATGAAGAAAGTGGTTCAACAGCTCCGGCTGGAGGCCGGACTCAACCGCGTAAAA
GTGAGCGGGGGCGGGCGGCCGAGGCGGGAGGAAGGCGGCGGCGGGTGGGATCCGGCGGCCAGCTG
GCGGGGGCGGGCGGACACGCGCCGGCCCTCGCTTCCCCTGGAGAGGACGCGCGCTCAGCGGCGGCGATC
GGGGAGCGGCCAGCTTAGAGCAGGCGCCGCTGGGTCTACGCTGTGTTTTAGGGGGACGATTAGTTGCC
CTTCGCCCCAGGACTTTCGAGGCGGGCTGGCCCTGGGTTGAACCGTGGCCGACATTCCGGTCCTCCTC
CGTCTCTACCTCCCTTGGCAGCCTTCTCGGCTGGTCTACCAACAGCTGCGCCTCCGCGCGCTGTCCGCACC
CTTCCTTCCCACTTGGCAGCCTCCTGTTCTCATCGGACAGGGTATTTCCGACTTTTGATTGAGAGCAGA
CTTTTCTCCCATTTGATCTTTCCAAACCTACTTCCCTTAGTATTAATTCCTACCTCAACTTCTCTGTCCG
TTGAACACATACTTTAAGCGAATTATTGCATAACTTAACTGTGGATTGAATAAGCATTTTTCGAAACGATCC
TGGAGTGTAAGTTCCGGTCAGTGCCCCGTACAACCTCGAACAAGCGTGCAATTCATACCTATGGCACAGT
TTGCTCATATTTGACCTTGGGGATATCGACTGGTCCGCATGCCGGAGAAAATGATTATTGTGGTAATTATTG
GTCTTATTTGGCGTCTGGTTAGTATTGGCCTTGCTTGGGGTACTTTGGGAGAAAAAGCCTTTTGTCTGTGT
TGATAGAATAACTTGACATTCAAGTGCTGTTCTAAGTATTTCTGATTTTACAGTCCTAAATGGATTGGCTTC
```

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## Browsing Human and vertebrates genome

### Results : Gene information

Gene id: ENSG00000174021

Length: 8257

Start: 84498325

End: 84506581

Chromosome: 1

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## Browsing Human and vertebrates genome

### Results : Error

Gene URJC1 not found

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## Browsing Human and vertebrates genome

### Results : Error

Gene URJC11 not found

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## Browsing Human and vertebrates genome

### Results : Gene information

Gene id: ENSG00000165879

Length: 2645

Start: 97319271

End: 97321915

Chromosome: 10

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## Browsing Human and vertebrates genome

### Results : Sequence information

```
CGGCTCCCGCGGCTGCAGGCGCGCGGCTAGAGTGCCTGGCGGGCTCCGGCTTCCGCGTCCGCCCCGGCCC
CGGTCCAGACTTAGTCTTCAGCTCCGCGCCCGCTCCGCGCGGCCCCACCGCGCCCGCGGGCAGCCGAGCC
CCCAGCGACGCCCGCACAGCTCCGGGTGCCAGACAGGGGGCCATGCCGTGCCGGAGGGAGGAGGAAGAG
GAAGCCGGCGAGGAGGCGAGGGGGAGGAAGAGAGGAGGACAGCTTCTCTACTGCAGCAGTCAGTGG
CGCTGGGCAGCTCGGGCGAGGTGGACCGGCTGGTGGCCAGATCGGCGAGACGCTGCAGCTGGACGCGGC
GCAGCACAGCCCGGCTCGCGTGGCGGGCCCCGGGGGCGCCGCTGCGGGCCCCGGGGCCCTGGCTGC
GGCGGTGCCGGCGGACAAGGCCAGGTCCCCGGCGGTGCCGCTGCTGCTGCCGCCCGCGTTGGCGGAGACT
GTGGGCCCGGCGCCCCCTGGGGTCTCGCTGCGCCTGGGGGACCGCGGCCCGCTGCGGGGCGCGCTG
CGCCCTACTGCGTGGCCGAGCTCGCCACAGGCCCCAGCGCGCTGTCCCACTGCCCCCTCAGGCCGACCTT
GATGGGCCTCCGGGAGCTGGCAAGCAGGGCATCCCGCAGCCGCTGTCGGGTCCGTGCCGGCGAGGATGGCT
CCGGGGCGCCCGCCTCCCGCCGCTGCAGCAGCGACGCGGGTCCCAACCAGAAACCGCACAGGCGAC
GACGACCCGCACCGGCTTCTGCAGCAGCTAGTGCTCTCTGGAAACCTCATCAAGGAGGCCGTGCGAAGGCT
TCATTGCGGACGGGTGCAGTTACGTGCAAAGCTTCCCCAACGCCCGCTCCTGGGACCTCTGTGCGCCCCGG
TGCATGAACCCCTTCGCCTCGCAGCCCTCGCGCGGCTGCAGTGACCCTGGCGCCTCCGGGAGGGCGCAG
CTCAGAACTGGCGACGGCGTTCTTGCTGCTGGCAGCTAACACGCCCGGGGTGGCCACAGCGCCAGCCTCAG
ACTGGAGGGCAAGGGTTCCCTTGAGGGCTGCAGTTCTACTCAGGCTGGTGGAGAACTCTGGCTTTTGAA
GCGAGAGTAAAAAGCTAATGACGAGGAACCGAAAAATCGCGAGTGTTCGCGGGTAACTGGGGTTGAGGGC
CAAAATATTGGGAATGAAGGACTTTGGCCCTATTTAAGGCAGATTTACAGAGCGCACCTCAAACGTACAAGT
CAGTAGGACTCCTATTGGCGTGACCCGACCTGGCCGCGGAGCCTGCATTTCTCGCAGCCTCTCAGTGCC
CTCCAGCCCCGCGACCATGTGCCACAATCCACGCTTCTCCGATCGCGGTGCGCCGGAACACGGAGGAT
```

Total length: 2645

A: 477 (18.03%)

C: 799 (30.21%)

T: 520 (19.66%)

G: 849 (32.1%)

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## Browsing Human and vertebrates genome

### Results : Sequence information

```
CTCACTTCCCTCAACCCTTCCACAACTGGGAGGAAAAGTGAAGACCTCCTGGTCACCCGCCGCCGGGCCTT
TTAGAAACTCCCACAAGCTCTGCCTTCCCTCCCTGGTCCTTTCAGACCCCTCTTAGTTCTTCGCGGCTAAC
GGTAAGCTCTCTCCTTACCTCTCCCTAATCGGCCCTCTGGAGAGGAAAAGAACTTAAGATCGGGTCGC
GCTAGCCTCCAGCAGCCGCCGCCGCCACCGACTGCTCCGCCCTTCTCCTCCCCCTCCTCCAGGCTCGCGC
TCGGGGCCGGGTGTGGAGCTGGAACAGAGGGCTGGCAAGGCCGCATGCGCACCGAGGGTGGAGCCGCTG
AGCACAGAACCGGAACTTAGAGACAAAGTTTCGGAGCCCCGCCCGCCGCGCGCGCTGAGTTGTCTGGC
CCCGCCGACCCACGGCCACGACCCACCGACCCACGAATCGGCCCGGCCGTGCGGTGCACCATGTCTGGCT
CCTCCAGCGTCGCCGCTATGAAGAAAGTGGTTCAACAGCTCCGGCTGGAGGCCGGAATCAACCGCGTAAAA
GTGAGCGGGGGCGGGCGGCCGAGGCGGGAGGAAGCGGGCGGGCGGGTGGGATCCGCGGGCCAGCTG
GCGGGGGCGGGCGGGACACGCGCCGCCCTCGCTTCCCTGGAGAGGACGCGCGCTCAGCGCGGGCGATC
GGGAGCGGCCAGCTTTAGAGCAGGCGCCGCGTGGGTCTACGCTGTGTTTTAGGGGGACGATTAGTTCGCC
CTTCCGCCCCAGGACTTTCCGAGGCGGGCTGGCCCTGGGTTGAACCGTGGCCGACATTCCGGTCCTCCTC
CGTCTCTACCTCCCTTGGCAGCCTTCTCGGCTGGTCTCACCAACAGCTGCGCCTCCGCGCGCTGTCCGCACC
CTTCCTTTCCCACTTTGCCAGCCTCCTGTTTCTCATCGGACAGGGTATTTTCCGACTTTTGATTGAGAGCAGA
CTTTTCTCCCATTTGATCTTTCCCAAACCTACTTCTTTAGTATTAAATTCTTACCTTCAACTTCTCTTGTCG
TTGAACACATACTTTAAGCGAATTATTGCATAACTTAACTGTGGATTGAATAAGCATTTTTCGAAACGATCC
TGGAGTGTAAGTTCGGGTGAGTGGCCCGTACAACCTCGAACAAGCGTGCATTTTACATCTATGGCACAGT
TTGCTCATATTTGACCTTGGGGATATCGACTGGTCCGCATGCCGGAGAAAATGATTATTGTGGGTAATTATTG
GTCTTATTTTGGCGTCTGGTTAGTATTGGCCTTGTCTTGGGGTACTTTGGGAGAAAAAGCCTTTTGTCTGTGT
TGATAGAATAACTTGACATTCAAGTGCTGTTCTAAGTATTTCTGATTTTACAGTCCTAAATGGATTGGCTTC
```

Total length: 8257  
A: 2279 (27.6%)  
C: 1702 (20.61%)  
T: 2618 (31.71%)  
G: 1658 (20.08%)

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## Browsing Human and vertebrates genome

### Results : Gene list

DDX11L1

WASH7P

MIR6859-1

MIR1302-2HG

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## Browsing Human and vertebrates genome

Results : Gene list

MIR1302-2HG

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http://localhost:8080/geneList?chromo=4&start=0&end=30000

## Browsing Human and vertebrates genome

Results : Error

Empty response

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## Browsing Human and vertebrates genome

### Results : List of 286 species

- Mainland tiger snake
- Chilean tinamou
- Red fox
- Sperm whale
- Great spotted kiwi
- Pinecone soldierfish
- Greater bamboo lemur
- Kakapo
- Lamprey
- Gouldian finch
- Electric eel
- Okarito brown kiwi
- Large yellow croaker
- Channel bull blenny
- Mouse NZO/HILtJ
- Zebrafish
- Common carp huanghe
- Mouse A/J
- Pig - Wuzhishan
- Horned golden-line barbel
- Tree Shrew
- Marmoset
- Spotted gar
- Tiger
- Goat
- Central bearded dragon

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## Browsing Human and vertebrates genome

### Results : List of 10 species

- Pig - Rongchang
- Pika
- African ostrich
- Nile tilapia
- Channel catfish
- West African mud turtle
- Channel bull blenny
- Sooty mangabey
- Dolphin
- Naked mole-rat male

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## Browsing Human and vertebrates genome

### Results : List of 100 species

- Pig - Rongchang
- Pika
- African ostrich
- Nile tilapia
- Channel catfish
- West African mud turtle
- Channel bull blenny
- Sooty mangabey
- Dolphin
- Naked mole-rat male
- Brown trout
- Eastern brown snake
- Mouse CAST/EiJ
- Spiny chromis
- Gorilla
- Silver-eye
- Sloth
- Eurasian sparrowhawk
- Mouse AKR/J
- Sailfin molly
- Greater bamboo lemur
- Mangrove rivulus
- Platypus
- Live sharksucker
- Megabat
- Mouse NOD/ShiLtJ

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## Browsing Human and vertebrates genome

Results : Karyotype mouse

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- X
- Y
- MT

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## Browsing Human and vertebrates genome

Results : Karyotype human

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- X
- Y
- MT

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## Browsing Human and vertebrates genome

### Results : Chromosome length

Specie: mouse

Chromosome: 18

Length: 90702639

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## Browsing Human and vertebrates genome

### Results : Error

Can not find internal name for species 'enrique'

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## Browsing Human and vertebrates genome

### Results : List of 286 species

- Mainland tiger snake
- Chilean tinamou
- Red fox
- Sperm whale
- Great spotted kiwi
- Pinecone soldierfish
- Greater bamboo lemur
- Kakapo
- Lamprey
- Gouldian finch
- Electric eel
- Okarito brown kiwi
- Large yellow croaker
- Channel bull blenny
- Mouse NZO/HILtJ
- Zebrafish
- Common carp huanghe
- Mouse A/J
- Pig - Wuzhishan
- Horned golden-line barbel
- Tree Shrew
- Marmoset
- Spotted gar
- Tiger
- Goat
- Central bearded dragon

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Results : Karyotype cat

- A1
- A2
- A3
- B1
- B2
- B3
- B4
- C1
- C2
- D1
- D2
- D3
- D4
- E1
- E2
- E3
- F1
- F2
- X
- MT

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## Browsing Human and vertebrates genome

Results : Karyotype dog

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26



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## Browsing Human and vertebrates genome

### Results : Error

Can not find internal name for species 'enrique'

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## Browsing Human and vertebrates genome

### Results : Chromosome length

Specie: cat

Chromosome: X

Length: 130557009

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