

User Manual

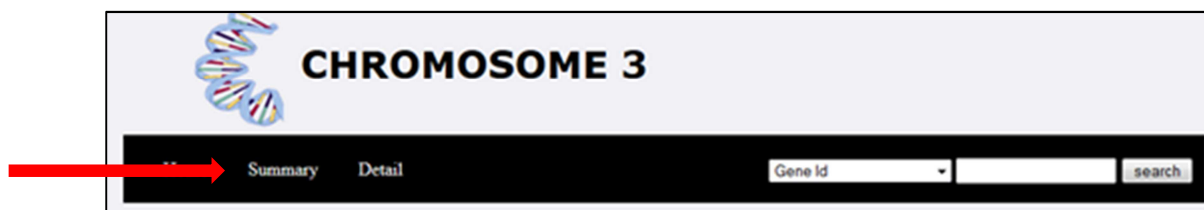
This part of the user manual explains the functions of the summary tab and the referring detail page.

Webpage Functions

Summary Page

Tab on Menu Bar

By Clicking the summary tab on the menu bar the CGI Summary script will run, this will populate a table which will contain the gene identifiers, protein product names, Genbank accession and chromosomal location.



Summary			
Gene Identifiers	Protein Product Names	Genbank Accession Number	Chromosomal Location
2280513	histidine-richglycoprotein	AB005803	3q28-q29
3077741	ribosomalproteinSa	AB007146	
3077768	ribosomalproteinL15	AB007173	
3077772	ribosomalproteinL24	AB007177	
3077777	ribosomalproteinL35a	AB007182	
2760152	activinreceptortypeIIB	AB008681	3p22-p21.3
6467132	b-chemokinereceptorCCR3	AB023887	3p21.2
6467136	b-chemokinereceptorCCR4	AB023889	3p
6467138	b-chemokinereceptorCCR4	AB023890	3p

Detail Page

Page layout and detail boxes

By clicking on a genbank accession number this will open up the detail page. The detail page has four boxes with each individual boxes contain the following information;

1. Box 1 contains the complete DNA sequence with the coding regions highlighted
2. Box 2 contains the amino acid sequence displayed with the coding DNA sequence
3. Box 3 contains codon usage frequencies within the coding region and the overall codon usage information for all sequences in the database.
4. Box 4 contains the ability to identify sticky-end restriction enzyme sites in the genomic DNA with the ability to search for EcoRI, BamHI and BsuMI.

Summary			
Gene Identifiers	Protein Product Names	Genbank Accession Number	Chromosomal Location
2280513	histidine-richglycoprotein	AB005803	1q42-q43
3077741	ribosomalproteinSa	AB007146	
3077768	ribosomalproteinL15	AB007173	
3077772	ribosomalproteinL24	AB007177	
3077777	ribosomalproteinL35a	AB007182	
2760152	activinreceptortypeIIB	AB008681	3p22-p21.3
6467132	b-chemokinereceptorCCR3	AB023887	3p21.2
6467136	b-chemokinereceptorCCR4	AB023889	3p
6467138	b-chemokinereceptorCCR4	AB023890	3p



AAAGACGCTACTTTAGATCTGCTATCTACTAGAAAAATCCAGATT
GTGCAGATCACAGTTCACCCCACTCATCAGCATTCTCAGCTTTC
TGGCCCA
TGAACCA
GTATCAAG
GTATAAA
ACAAAATG

TGCTTAAAGGCGACCGGATGGCTACCTTTCCATTTGGTCCGATTTCTGTATCC
CACTTGGACAGAGTGGAAAAATACAACCTGTATATTACTTAGTCTTAGATGTGCAAGA
ATCGGACTGTTCGGTCTATCCAGGAAATACCTGGAATGACTGTGAGCCACTGATT

Close

Restriction Enzyme Cutting Sites

Choose a restriction enzyme: EcoRI

Type Accession Number:

Find the sticky-end restriction enzyme sites: Submit Clear

Results

The Restriction Enzyme Cutting Sites, with sites highlighted in red, for entry and the restriction enzyme : not a valid sticky end

Codon Usage

Codon

Amino Acid

UUU	Phe (F)	2
UUC	Phe (F)	2
UUA	Leu (F)	0
UUG	Leu (F)	1
CUU	Leu (F)	1
CUC	Leu (F)	5