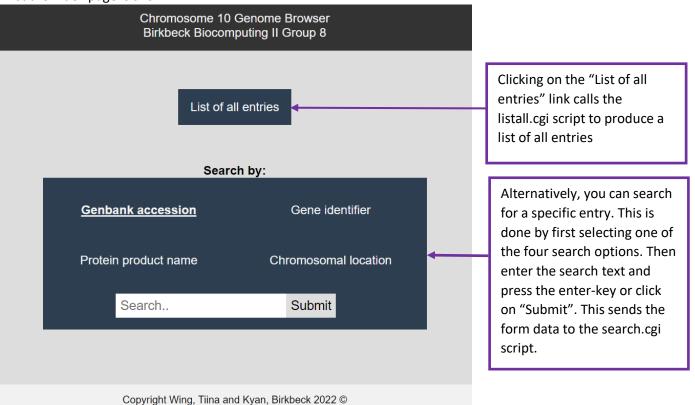
Alternate front-end code documentation

Author Kyan Koranteng

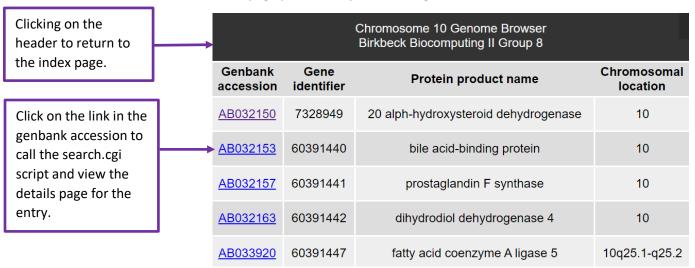
The website can be accessed from the following address:

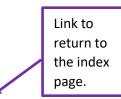
https://student.cryst.bbk.ac.uk/~kk004/biocomp2demo/

First the index page is shown:



Here is the "list of entries" page produced by the listall.cgi:





Here is an example entry detail page:

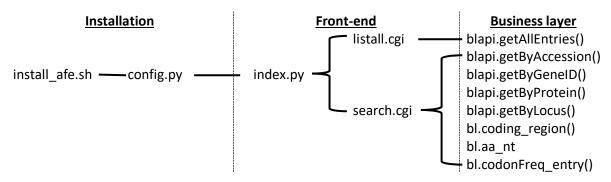
Chromosome 10 Genome Browser Birkbeck Biocomputing II Group 8										
Genbank accession	Gene identifi	er	Protein product name	Chromosomal location						
AB032150	7328949		20 alph-hydroxysteroid dehydrogenase		10					
DNA sequence with high	nlighted coding	Coding DNA sequence	Amino acid sequence	Restric	tion Enzymes					

Click on tabs to view the different sequences.

Codon frequency table																							
Codon	AUG	GAU	UCG	AAA	UAU	CAG	UGU	GUG	AAG	CUG	AAU	GGU	CAC	UUC	CCU	GUC	GGA	UUU	GGC	ACC	GCG	GCA	G
AA	М	D	S	K	Υ	Q	С	V	K	L	N	G	Н	F	Р	V	G	F	G	Т	Α	Α	Е
Frequency per entry	1.235	3.704	0.309	3.704	2.16	3.395	1.543	4.321	4.321	3.704	2.778	0.617	0.926	2.16	1.852	1.543	1.543	1.852	1.543	1.235	0.309	1.543	4.
Frequency per chromosome	1.918	1.921	0.703	1.992	1.038	3.295	1.024	3.133	3.112	4.356	1.482	0.956	1.598	2.177	1.623	1.568	1.541	1.465	2.922	2.102	1.349	1.394	3.
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Scroll horizontally through the codon frequency table to scan over all the columns.

Call routine:



install_afe.sh - This program is run in the command-line to create the directories for the

website to be run.

config.py - Contains information on the website url and cgi script locations.

index.py - Prints the index.html page

search.cgi - Takes the form data from the index page and uses the business layer to

produce a details page for an entry. Or creates a table list of entries if there

are multiple results.

listall.cgi - Formats output from the business layer into an html table of all the entries.