UGENE Terminology

Project

Storage for a set of data files and visualization options.

Document

A single file (can be stored on a local hard drive or be a remote web page). Each *document* contains a set of *objects*.

Object

A minimal and complete model of biological data. For example: a single sequence, a set of annotations, a multiple sequence alignment.

Task

A process, usually asynchronous, that works in background. For example: some computations, loading and writing files.

Plugin

A dynamically loaded module that adds new functionality to UGENE.

Object View

A graphical view for a single or a set of *objects*.

Project View

A visual component used to manage active *project*.

Task View

A visual component used to manage active *tasks*.

Log View

A visual component used to show logs.

Notifications

A visual component used to show notifications. Generally it is used to open tasks reports.

Plugin Viewer

A visual component used to manage *plugins*.

Sequence View

An *Object View* aimed to visualize DNA, RNA or protein sequences along with their properties like annotations, chromatograms, 3D models, statistical data, etc.

Annotation

Additional information about a sequence, identified by its name and the sequence region.

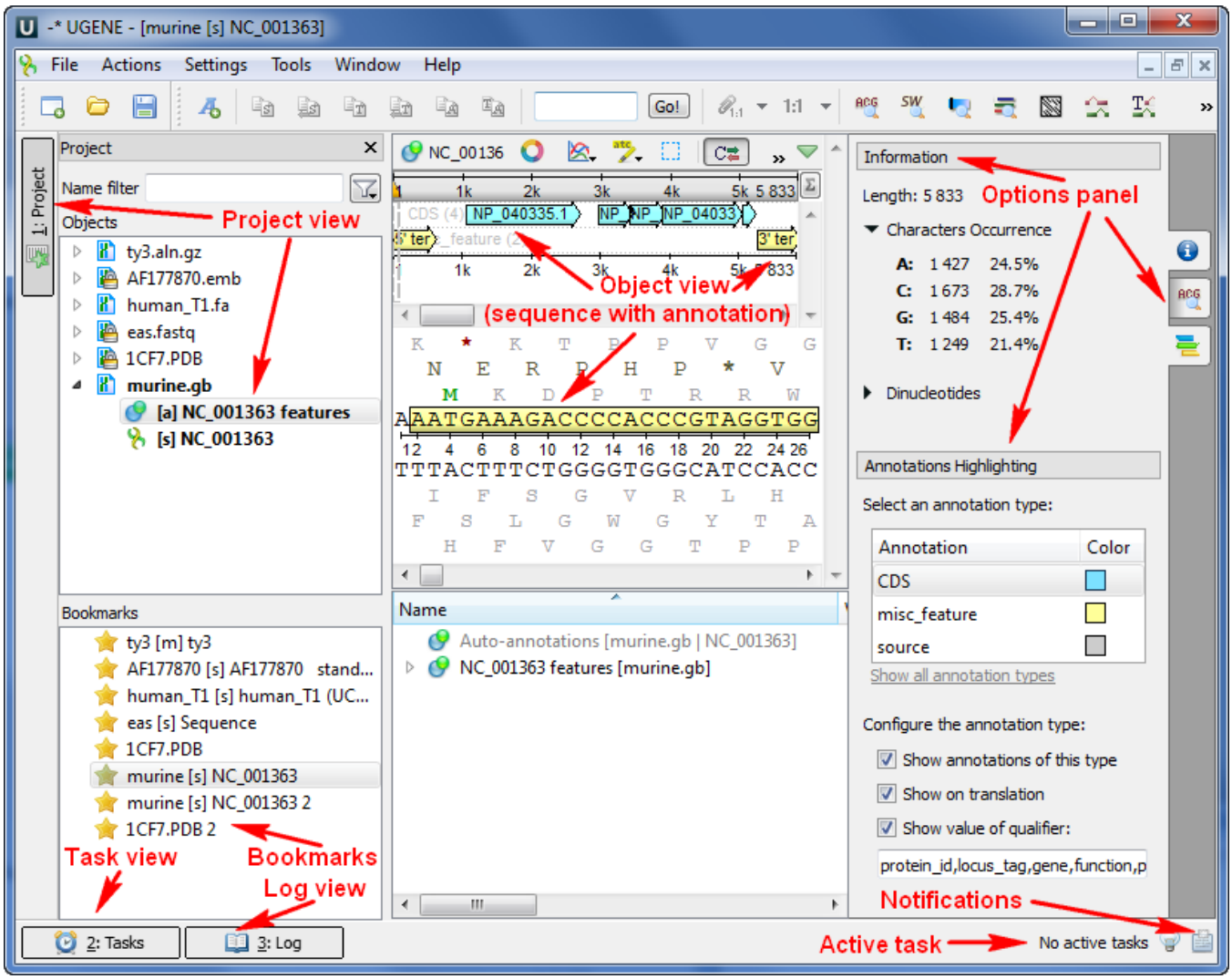
Alignment Editor

An *Object View* used to visualize and edit DNA, RNA or protein multiple sequence alignments.

Options Panel

An *Options Panel* it is the panel with different information tabs and tabs with settings for *Sequence View* and *Assembly Browser*.

In the image below you can see a typical UGENE window with a *Project View* and a single *Object View* window opened:


-* UGENE - [murine [s] NC_001363]
File
Actions
Settings
Tools
Window
Help
Go!
1: Project
Project
Name filter
Objects
Project view
ty3.aln.gz
AF177870.emb
human_T1.fa
eas.fastq
1CF7.PDB
murine.gb
[a] NC_001363 features
[s] NC_001363
NC_00136
Object view
(sequence with annotation)
Information
Length: 5 833
Options panel
Characters Occurrence
A: 1 427 24.5%
C: 1 673 28.7%
G: 1 484 25.4%
T: 1 249 21.4%
Dinucleotides
Annotations Highlighting
Select an annotation type:
Annotation
Color
CDS
misc_feature
source
Show all annotation types
Configure the annotation type:
Show annotations of this type
Show on translation
Show value of qualifier:
protein_id,locus_tag,gene,function,p
Bookmarks
ty3 [m] ty3
AF177870 [s] AF177870 stand...
human_T1 [s] human_T1 (UC...
eas [s] Sequence
1CF7.PDB
murine [s] NC_001363
murine [s] NC_001363 2
1CF7.PDB 2
Task view
Bookmarks
Log view
Name
Auto-annotations [murine.gb | NC_001363]
NC_001363 features [murine.gb]
Notifications
2: Tasks
3: Log
Active task
No active tasks