DNAMAN
Sequence Analysis Software

Introduction

BIOINFORMATICS PLATFORM

DNAMAN Features

- Integrated Sequence Analysis System
- Sequence Editing
- Restriction Analysis – In Silico Cloning
- Multiple Sequence Alignment
- Phylogenetics Analysis
- Dot-Plot Analysis
- Sequence Assembly
- PCR Primer Selection
- Protein Sequence Analysis
- Database – Sequence Management

DNAMAN User Interface

DNAMAN User Interface

Quick Start

DNAMAN Uses Channels to Keep Active Sequences for Analysis

Start DNAMAN Program
1. Click File tab in Sequence Controls
2. Double-Click Example1.seq
3. Click Channel tab in Sequence Controls
Example1 sequence loaded into Channel 1

Quick Start

Example1 sequence loaded into Channel 1
1. Click Restriction Analysis Tool, or
2. Click Translation Tool, or
3. Click Search Tool

Restriction Analysis

Restriction Analysis

Enzyme Selection

Enzyme File: RESTRICT.ENZ

Select All >>

<<Clear

2

AatII
AlwNI
ApaBI
ApaI
BbeI
BglI
BsmI
BstXI
DraIII
DrdI
Eam1105I
Eco57I
FseI
I-PpoI
KpnI
NsiI
PacI

Restriction Analysis
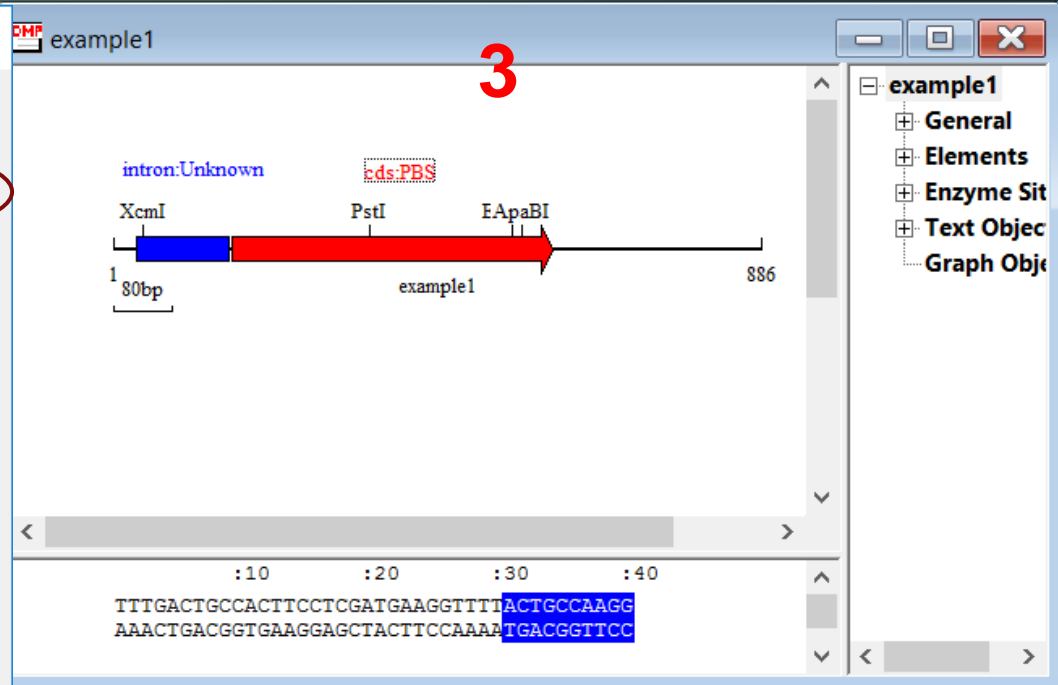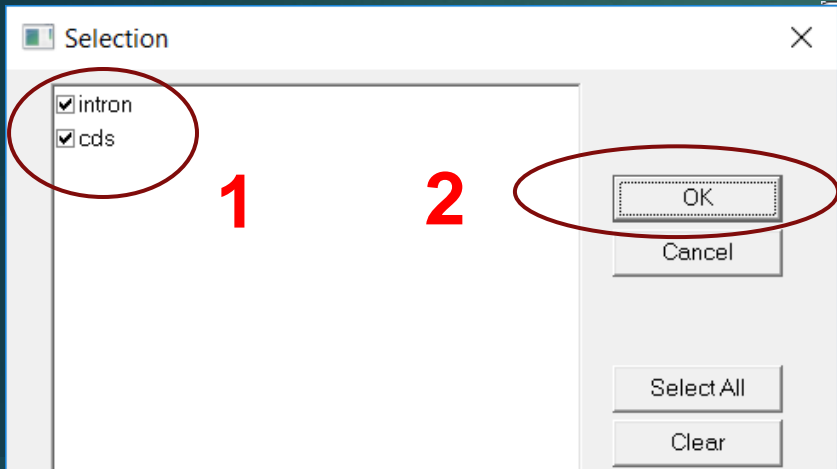1. Click 3' Overhang
2. Press Select All Button
3. Click Finish

List: 29

Selected: 0

Cutter: ○ All   ○ >=5   ● >=6   ○ >=8

End: ○ All   ○ Blunt   ○ 5' Overhang   ● 3' Overhang   **1**

3   < Back   Finish   Cancel

Restriction Analysis

Restriction Analysis
1. Select Annotations
2. Click OK Button
3. Analysis Results