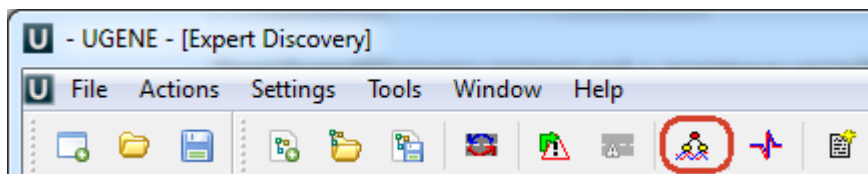


Generating Signals

Using the training set (positive and negative set, markups) the system can construct a structure of a regulatory region as *Complex Signal*. The extracting wizard is launched by the *Extract signals* button on the toolbar:



The following dialog will appear:

A screenshot of the 'Extractor Parameters Setup' dialog box. The title bar reads 'U Extractor Parameters Setup'. The main text says 'Setup algorithm parameters' and 'This wizard will help you automatically extract complex signals from sequences.' Below this, a section titled 'Please fill in selection parameters' contains several input fields and checkboxes. The parameters are: 'Condition probability level' (25), 'Coverage bound' (25), 'Fisher criteria level' (0.05), 'Check minimization of Fisher criteria' (checked), 'Store only signals with different behaviour' (checked), 'Minimal Complexity' (1), and 'Maximal Complexity' (5). At the bottom, there are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

In the first dialog window extraction parameters (see below) are set. Next windows are for setting operations which will be nodes of CS and choosing a folder for CS storing.

To see CS location in a sequence it is needed to pick sequences for representation with the popup menu of the sequence. Then, one can choose any CS and it will be shown as autoannotations on each represented sequence. Moreover, it is possible to observe few signals at once on the sequence, for this, user checks signals for group representation with the popup menu. The same operation is used to choose signals for recognition.