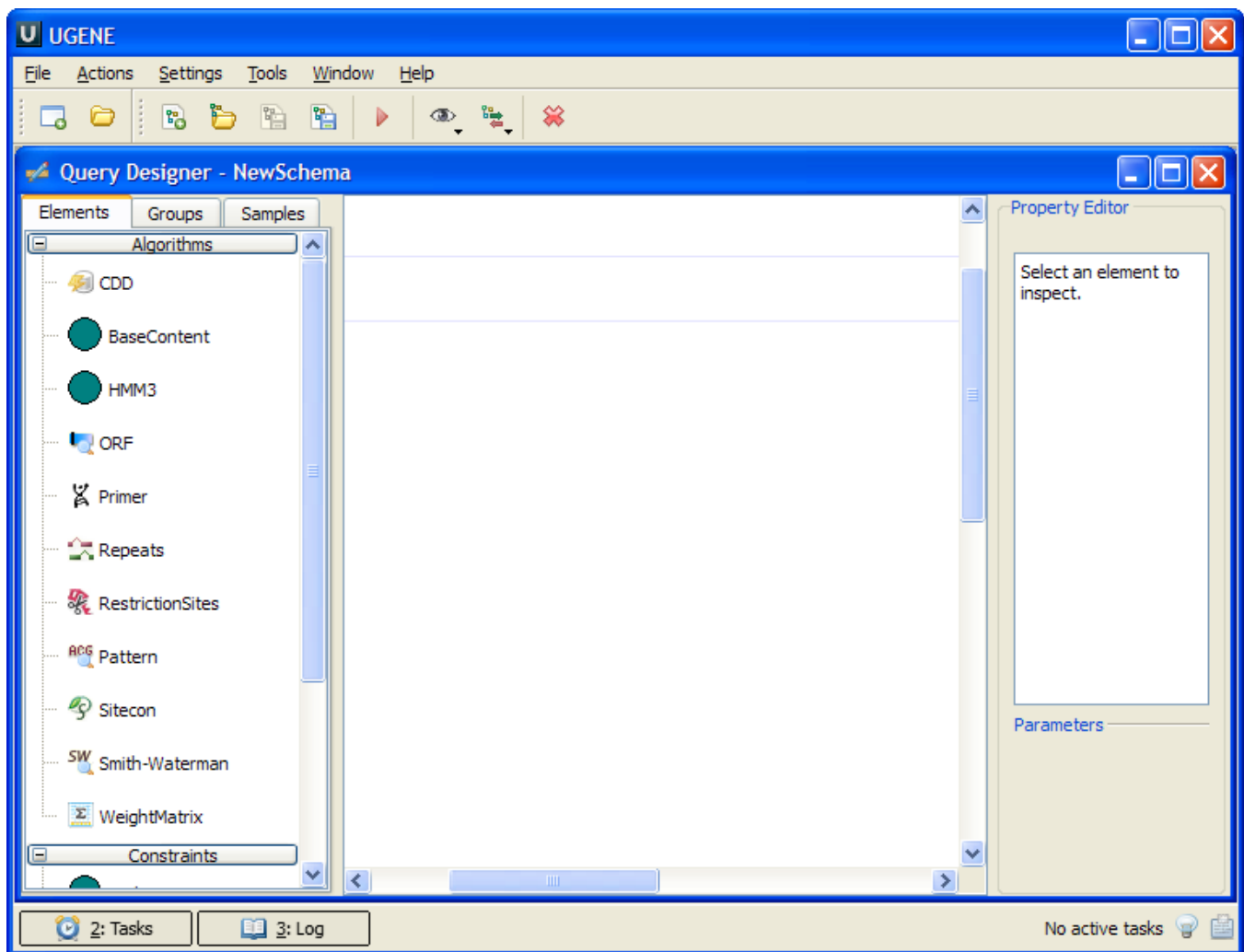


# How to Create and Run Schema

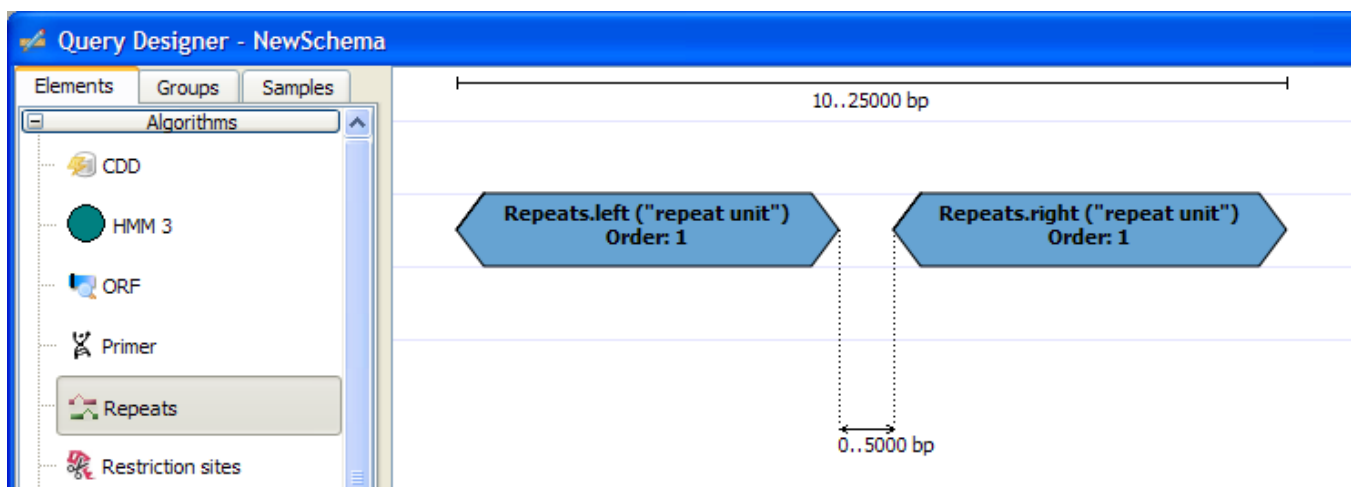
- Select the *Tools Query Designer* item in the main menu.

**Result:** The Query Designer window appears:



- Drag the *Repeats* element from the *Palette* to the *Scene*.

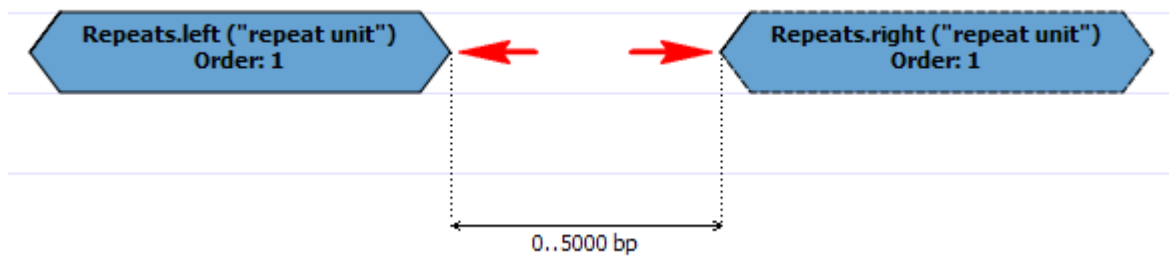
**Result:** The *Repeats* element subunits are presented on the *Scene*:



Note, that by default minimum distance between left and right repeats is 0bp, the maximum distance is 5000bp.

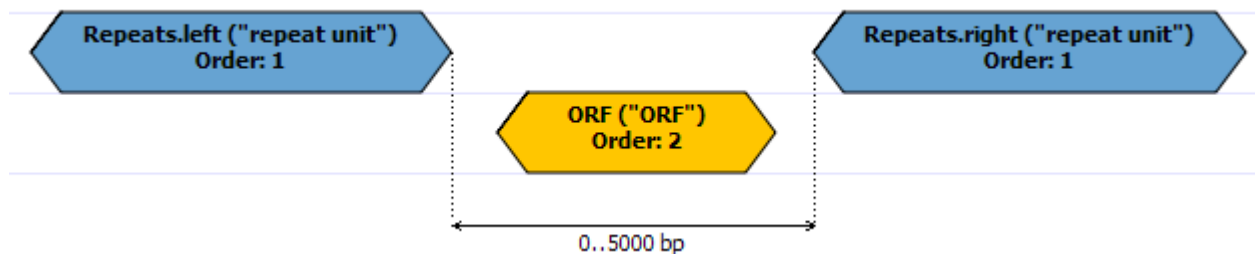
- Slide the *Repeats* element subunits apart.

**Result:**

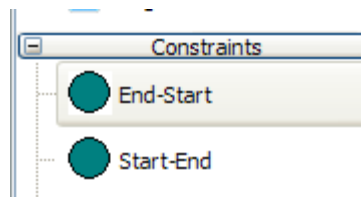


- Drag the *ORF* element from the *Palette* and drop it between the repeats.

**Result:** The *ORF* element is presented on the *Scene*:

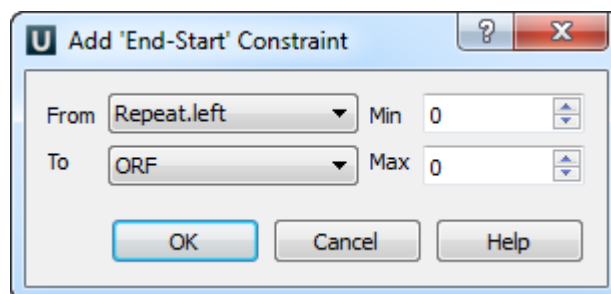


- Find the *End-Start* constraint on the *Palette*:



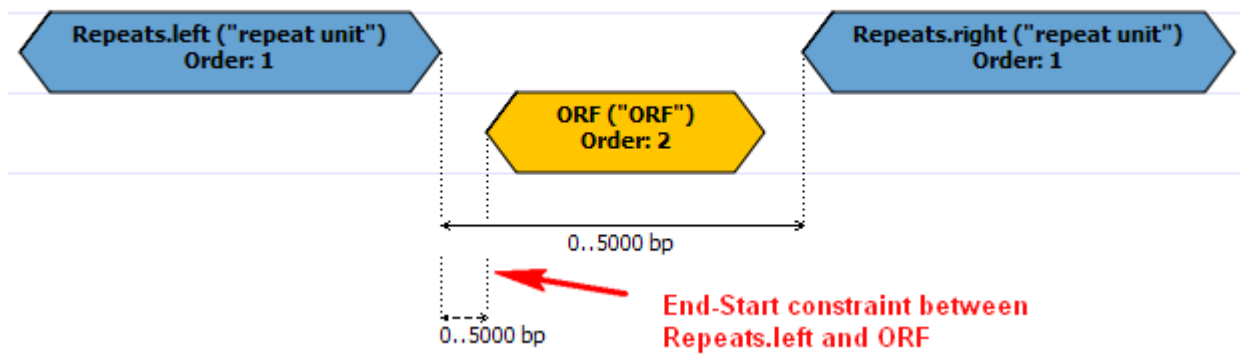
And drag it between the left *Repeats* element and *ORF*.

**Result:** The dialog appears:



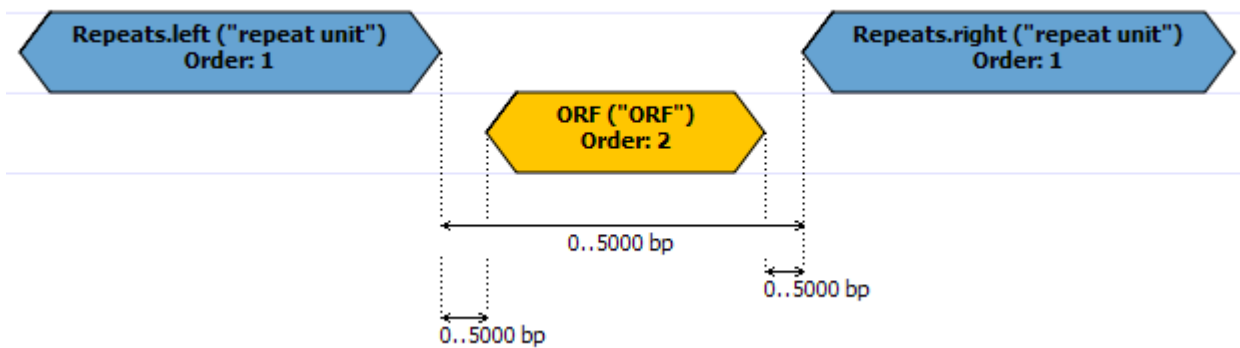
- Check that *From* equals to *Repeats.left* and *To* equals to *ORF*. Set *Max* to 5000. Press the *OK* button.

**Result:** The constraint has been added to the elements:



- Repeat steps 5-6 for *ORF* element and the right *Repeats* subunit.

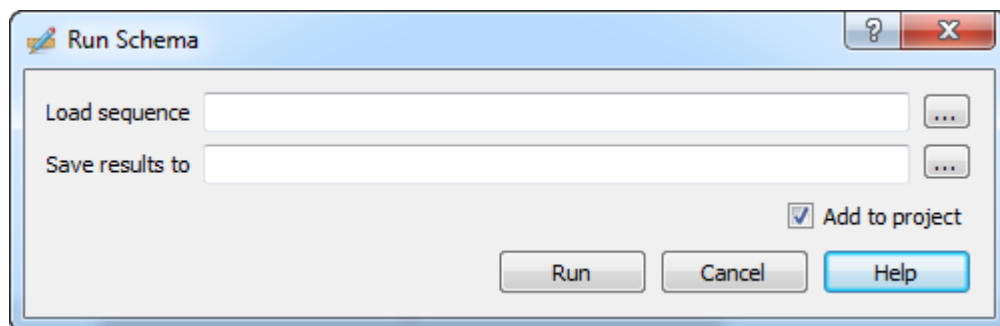
**Result:** The schema looks as follows:



- Press the *Run Schema* button on the toolbar:



**Result:** The *Run schema* dialog appears:



- Browse for the sequence to analyze (the *Load sequence* field) and for a GenBank file to save results to (the *Save results to* field). Click the *Run* button.

**Result:** Both the sequence and the file with annotations are added to the current project. The sequence appears in the Sequence View window, for example:

