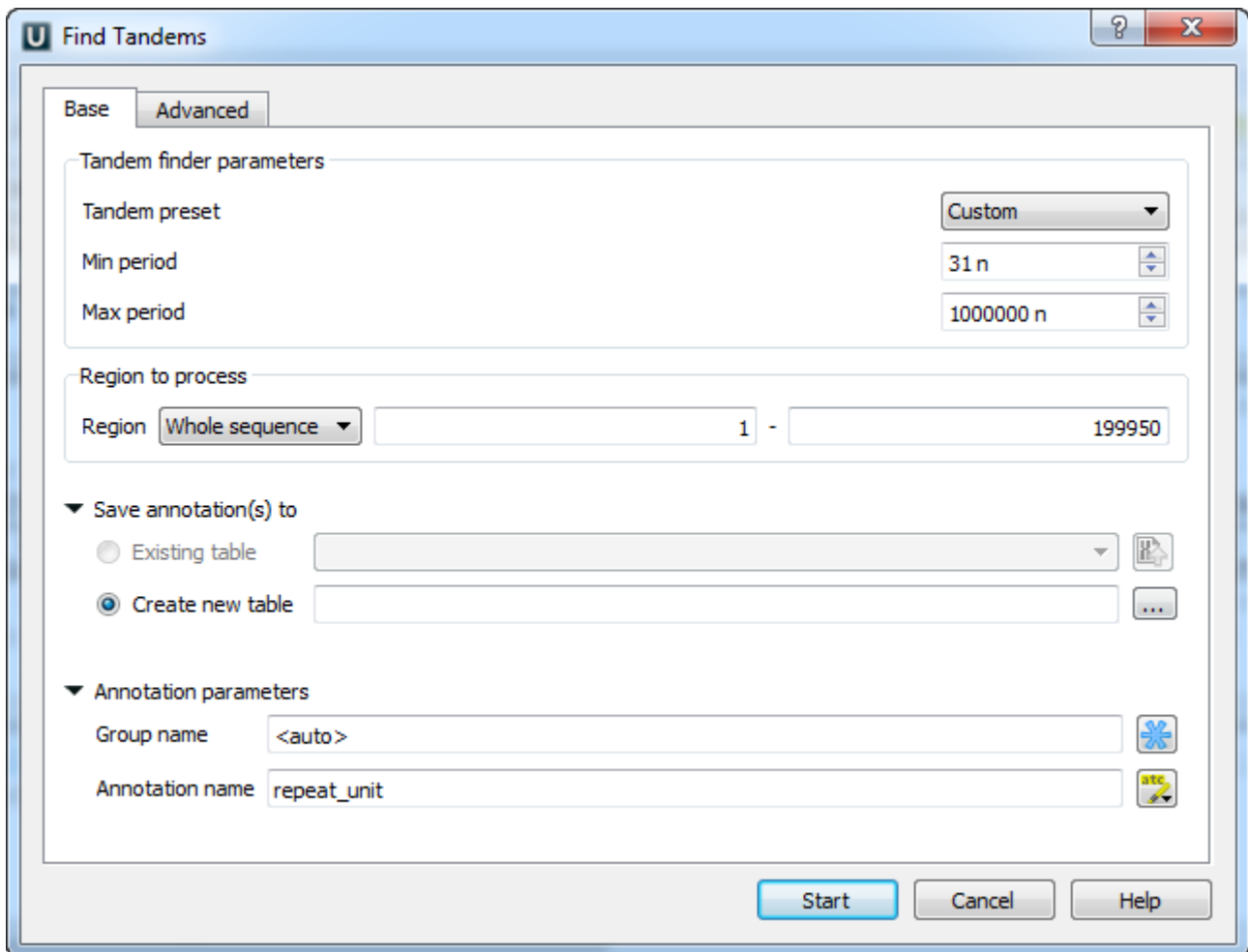


# Tandem Repeats Finding

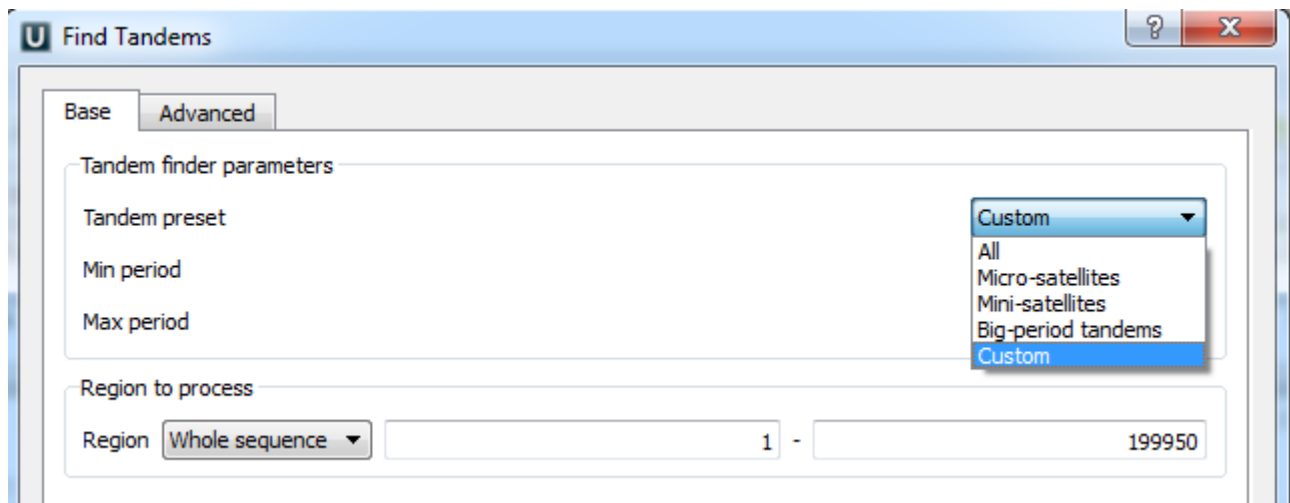
To find tandem repeats, select the *Analyze Find tandems...* context menu item in the *Sequence View* window.

In the opened dialog you can specify the tandem search parameters, the region to search in and the result parameters:



The dialog parameters:

*Tandem preset* — specify the tandem repeats parameters with predefined values by selecting the available preset:



*Min period, Max period* — the minimum and maximum acceptable repeat length measured in base symbols.

*Region to process* — specify the region to search in the whole sequence, a custom region or the region of the current selection (if any).

*Save annotation(s) to* — specify the existing or new annotations table file to save the resulting annotations into.

*Annotation parameters* — you can change the default group name and annotation(s) name values of the resulting annotation(s).

The image shows a software interface with two tabs: 'Base' and 'Advanced'. The 'Advanced' tab is selected and contains a section titled 'Advanced parameters'. This section includes the following settings:

- Repeats identity:** A text input field containing '100%' with a small up/down arrow on the right.
- Algorithm:** A dropdown menu with 'Suffix array (optimized)' selected.
- Minimum tandem size:** A text input field containing '9' with a small up/down arrow on the right.
- Minimum repeat count:** A text input field containing 'x3' with a small up/down arrow on the right.
- Show overlapped tandems:** An unchecked checkbox.

Additional search options can be found in the *Advanced* tab:

*Algorithm* — the algorithm parameter allows to select the search algorithm. The default and a fast one is optimized suffix array algorithm.

*Minimum tandem size* — the minimum tandem size sets the limit on minimum acceptable length of the tandem, i.e. the minimum total repeats length of the searched tandem.

*Minimum repeat count* — the minimum number of repeats of a searched tandem.

*Show overlapped tandems* — check if the plugin should search for the overlapped tandems, otherwise keep unchecked.

- Tandem Repeats Search Result