

Adding Sequence(s) to Alignment

To add sequences to an opened alignment, click the *Align sequence(s) to this alignment* toolbar button:

The screenshot shows the BioEdit software interface. On the left, there's a project tree with a single item labeled 'U'. Below it is a sequence list with ten entries: *Phaneroptera_falcata*, *Isophya_altaica_EF540820*, *Bicolorana_bicolor_EF540830*, *Roeseliana_roeseli*, *Montana_montana*, *Metrioptera_japonica_EF540831*, *Gampsocleis_sedakovii_EF540828*, *Deracantha_deracantoides_EF540*, *Zychia_baranovi*, and *Tettigonia_viridissima*. To the right of the sequence list is a multiple sequence alignment window. At the top of the alignment window, a toolbar has a red box around the 'Align sequence(s) to this alignment' button. A context menu is open over the alignment, listing five options: 'Align sequences to alignment with MAFFT...', 'Align sequences to alignment with UGENE...', 'Align sequences to alignment with MUSCLE...', 'Align alignment to alignment with MUSCLE...', and 'Align alignment to alignment with ClustalO...'. The alignment itself shows DNA sequence data with color-coded bases (A, T, C, G) and gaps.

Choose a file with the sequence(s) from the files system, and click *Open*.

Also, you can add an already opened sequence or sequences to the alignment. To do it, select the sequence object(s) in the *Project View* and click the *Align sequence(s) to this alignment* toolbar button. The sequence(s) will be aligned to the alignment automatically.