

<http://www.bidd.group/protmusic/>

User Guide

1. The protein sequence can be retrieved from the [Uniprot](#) database in the FASTA format. It should be saved as a .txt file, with ">protseq" as the header and including the sequence on a new line.
2. Update the seq2abc12.py code with the filename of the chosen protein sequence (and resultant music textfile).
3. Run the seq2abc12.py code with command "python seq2abc12.py".
4. Run the resultant file through replace.py with command "python replace.py <filename>"
5. Download the [abc2midi](#) package and run the abc2midi conversion tool with command "./abc2midi <filename>"
6. The output midi file can be played using any midi player, but we recommend [Musescore](#) to display the sheet music.