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**Protein Analysis Tools Video Tutorials:**

1. CLC Main –getting started (basic navigation steps):  <http://media.hsls.pitt.edu/media/molbiovideos/clc-navigation-ac0312.swf>
2. CLC Main Workbench Walkthrough (Part1): <http://media.hsls.pitt.edu/media/molbiovideos/clcmain-walkthrough-part1-ac0112.swf>
3. CLC Main Workbench Walkthrough (Part2): <http://media.hsls.pitt.edu/media/molbiovideos/clcmain-walkthrough-part2-ac0112.swf>
4. Import a DNA /Protein sequence into CLC Main (Part 1): <http://media.hsls.pitt.edu/media/molbiovideos/clc-import-part1-ac0112.swf>
5. Import a DNA /Protein sequence into CLC Main (Part 2): <http://media.hsls.pitt.edu/media/molbiovideos/clc-import-part2-ac0112.swf>
6. Create a restriction digestion map:  <http://media.hsls.pitt.edu/media/molbiovideos/restriction-clc-ac0212.swf>
7. Create a multiple sequence alignment plot (part1): <http://media.hsls.pitt.edu/media/molbiovideos/msf-clcmain-ac0212-part1.swf>
8. Create a multiple sequence alignment plot (part2): <http://media.hsls.pitt.edu/media/molbiovideos/msf-clcmain-ac0212-part2.swf>
9. [Design PCR primers to amplify a protein domain](http://staff.hsls.pitt.edu/intranet/dept/info-services/molbio/edit-molbio-video?v=67) (part1): <http://media.hsls.pitt.edu/media/molbiovideos/primer3-clc-ac0112.swf>
10. Design PCR primers to amplify a protein domain (part2): [http://media.hsls.pitt.edu/media/molbiovideos/molbiovideos/primer4-clc-ac0112.swf](http://media.hsls.pitt.edu/media/molbiovideos/primer3-clc-ac0112.swf)
11. Find protein domains, PTM, secondary str etc: <http://media.hsls.pitt.edu/media/clres2705/uniprot.swf>
12. Find Hydrophobicity, mw, peptide digestion : <http://media.hsls.pitt.edu/media/clres2705/uniprot2.swf>
13. Start with a protein pattern and find what proteins posses that domain: <http://media.hsls.pitt.edu/media/clres2705/scanprosite.swf>
14. Search for protein domains,repeats and sites: <http://media.hsls.pitt.edu/media/clres2705/interpro.swf>
15. Retrieve interacting partners of a protein: <http://media.hsls.pitt.edu/media/clres2705/ppi.swf>
16. View the crystal structure of mouse p53 using Cn3D: <http://media.hsls.pitt.edu/media/clres2705/cn3d.swf>
17. Start with a peptide sequence and search for protein 3D structure/model: <http://media.hsls.pitt.edu/media/clres2705/sbkb.swf>
18. Find homologous sequences: <http://media.hsls.pitt.edu/media/clres2705/blast.swf>
19. Compare two peptide sequences: <http://media.hsls.pitt.edu/media/clres2705/blast2.swf>
20. Create a multiple sequence alignment plot: <http://media.hsls.pitt.edu/media/clres2705/msa.swf>
21. Convert sequence formats: <http://media.hsls.pitt.edu/media/clres2705/readseq.swf>