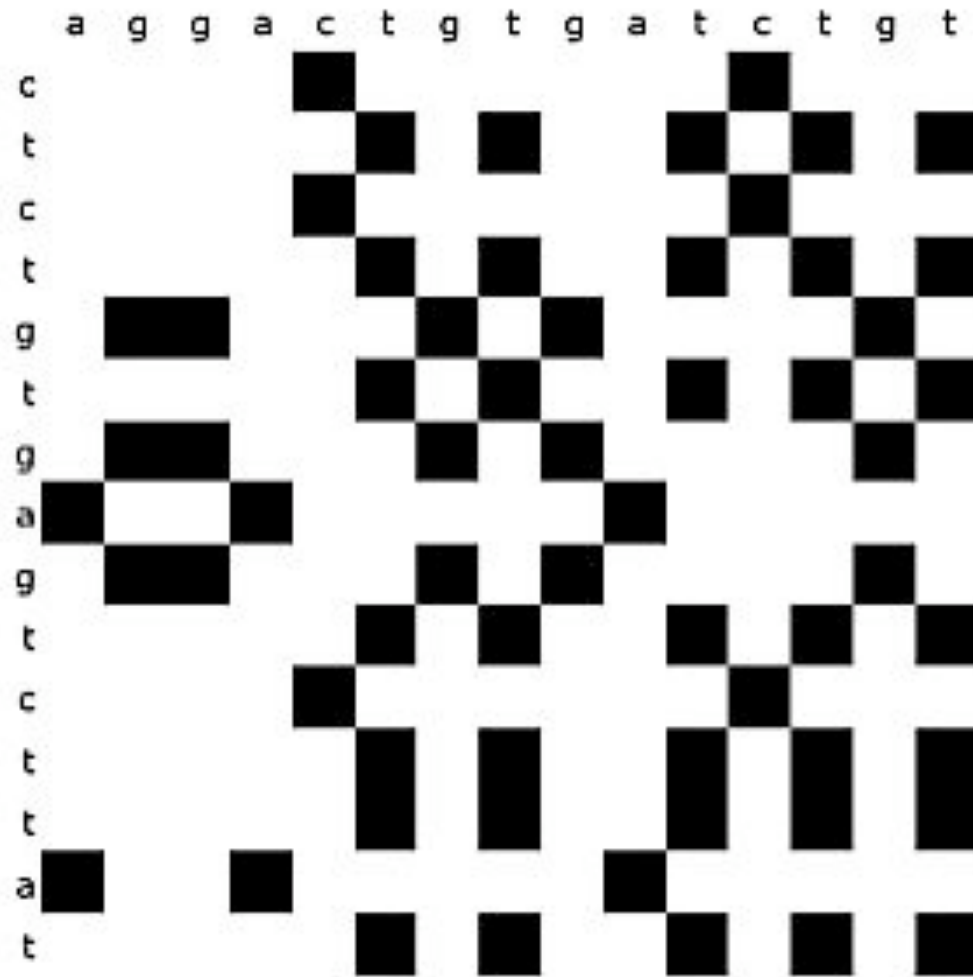
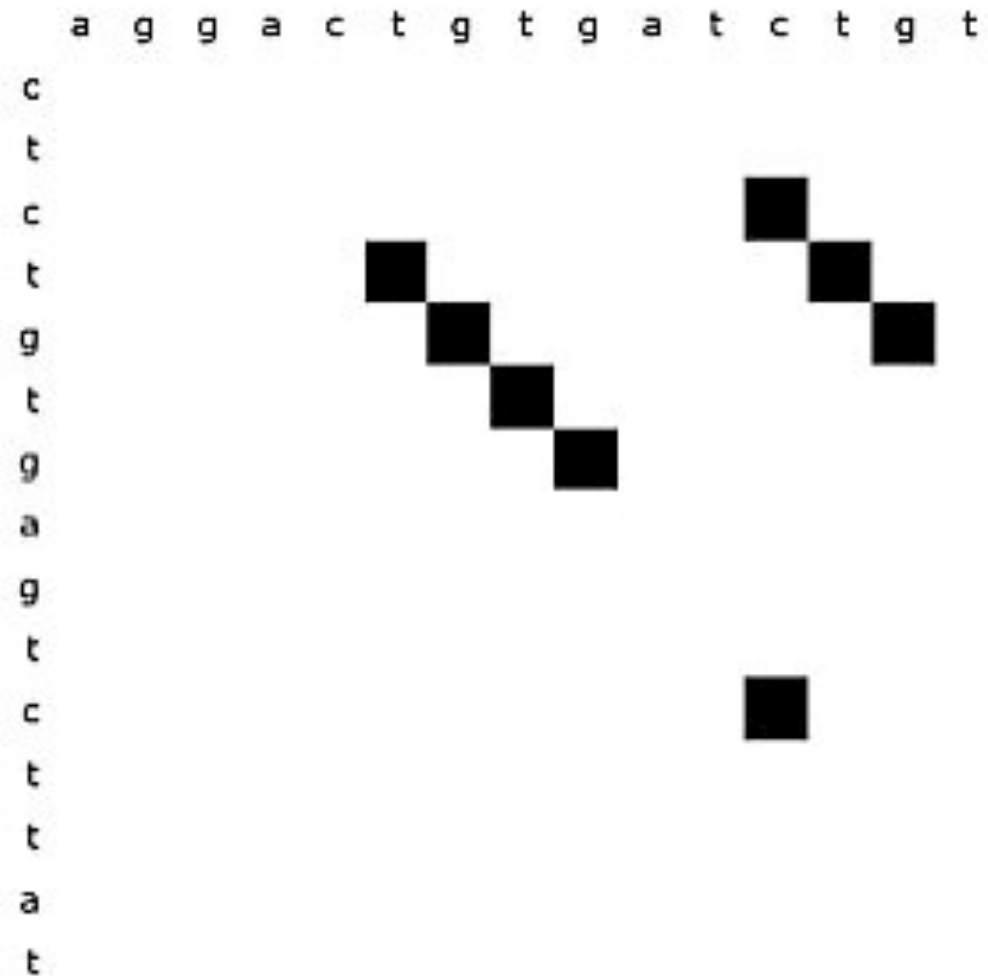


Dot Plot: A Visual Alignment



Dot Plot: Sliding Windows



DotPlots on the Web

DOTLET

<http://www.isrec.isb-sib.ch/java/dotlet/Dotlet.html>

DNA DOT

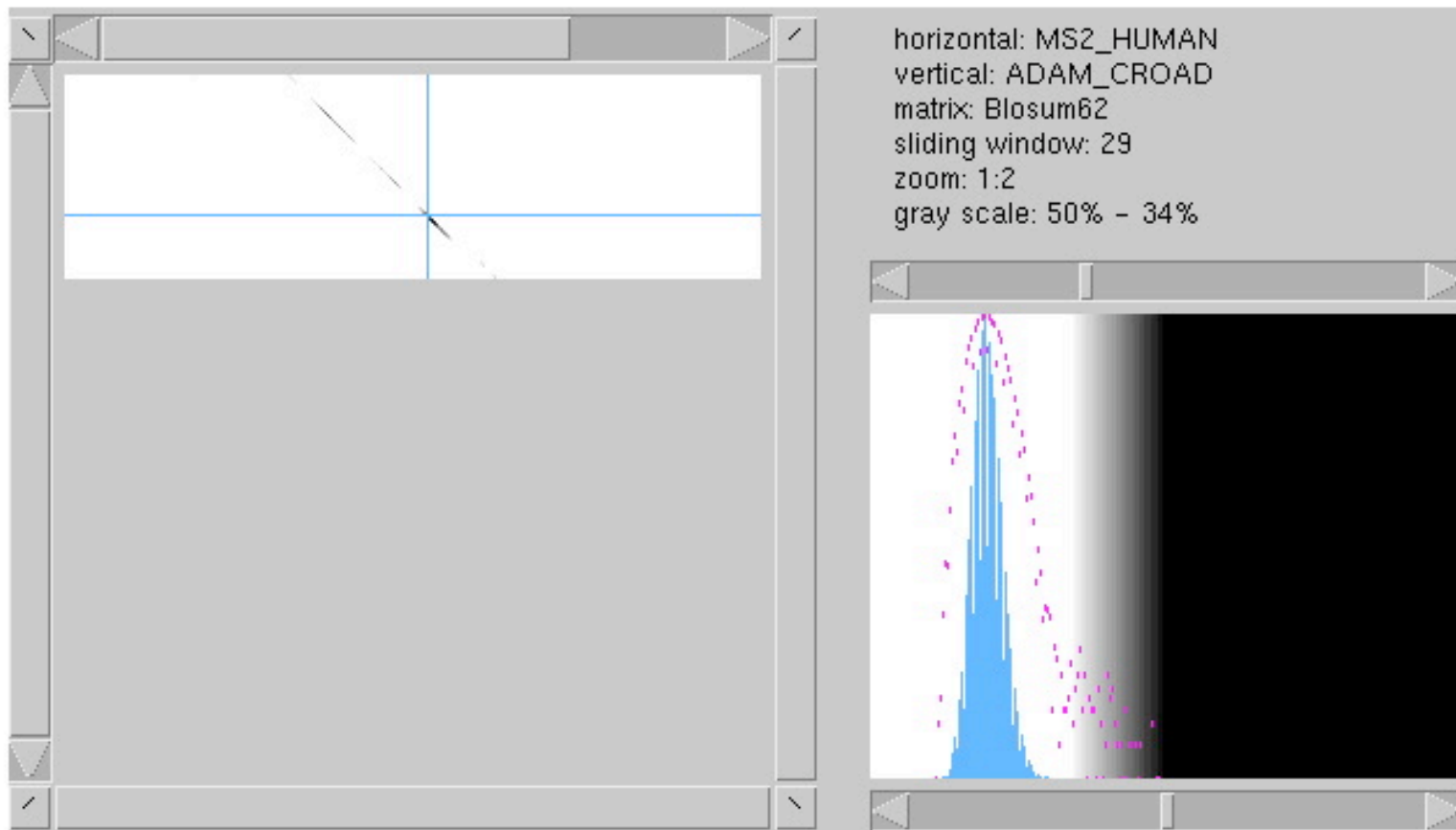
<http://arbl.cvmb.colostate.edu/molkit/dnadot/>

DOTTER

<http://www.cgb.ki.se/cgb/groups/sonnhammer/Dotter.html>

Conserved protein domains

The horizontal sequence is a human MS2 cell surface antigen, the vertical one is adamalysin II, a metalloprotease from *Crotalus adamanteus* (Eastern diamondback rattlesnake) venom. Both contain a zinc protease domain; as the image shows adamalysin consists only of this domain whereas it makes up roughly a quarter of MS2.



Repeated protein domains

This is a plot of *Drosophila melanogaster* SLIT protein against itself. It has several repeated domains. In the N-terminal part (A), we see four repeated regions, which are themselves made up of smaller repeated units (in this case, leucine-rich repeats). Then, there is another domain that's repeated at least six times in a tight cluster (B), with one additional occurrence near the C-terminus. This one is an EGF.



