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| Title (English) VisRD – Visual recombination detection | | |
| Title (Swedish) | | |
| Abstract Recombination is a key process of molecular evolution, particularly in viruses. It gives rise to mosaic sequence alignments, where different regions of the alignment have evolved via different histories. A graphical method to detect breakpoints between such regions is presented and evaluated using both simulated and biological data. This method is based on that of statistical geometry in sequence space and its subsequent application in quartet-mapping, but adds to this a sliding-window approach and a filtering procedure to select those quartets displaying potential recombination signals clearest. A software package implementing the method has been written and is made available as a plugin for the jSplits package. This study extends on that made in (Strimmer et al, 2003). | | |
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