Hi

Here are the genes of interest for the annotated Cerasum genome from Carthage College. It has 3 orphams based upon the Phamerator display, and they are at the end of the list below. Interestingly, Cerasum and Velveteen are very similar, but they are very different in overall synteny/homology from the other cluster F1 genomes.

Ribosomal slippage identified at genes starting at 8383 (minor tail proteins before the tapemeasure gene)

Immunity repressor (30353) and Cro repressor (30520)

Added gene at 27177 in REV

Xis (32938)

Integrase (27921)

Putative transposase (33195)

Ribosomal slippage identified at genes starting at 35670 (HTH DNA binding protein, overlap of HHpred domains suggested that there may be a ribosomal slippage)

Orphams on phamerator have starts: 42535 (GIY-YIG endonuclease, no 1:1 alignment from genbank BLAST), 42720 (putative mucin-2), and 44759 (putative recombinase)

Let me know if you have any questions!

Deb