**Reference List for Software/Programs Commonly Used in the SEA-PHAGES Program**

**Aragorn**

Laslett D, Canback B. 2004. ARAGORN, a program to detect tRNA genes and tmRNA genes in nucleotide sequences. Nucleic Acids Res 32:11–16. https://doi.org/10.1093/nar/gkh152

**BLAST**

Altschul SF, Gish W, Miller W, Myers EW, Lipman DJ. 1990. Basic local alignment search tool. J Mol Biol 215:403– 410. https://doi.org/10.1016/ S0022-2836(05)80360-2

**DNA Master**

cobamide2.bio.pitt.edu

**GeneMark**

Besemer J, Borodovsky M. 2005. GeneMark: web software for gene finding in prokaryotes, eukaryotes and viruses. Nucleic Acids Res 33:W451–W454. https://doi.org/10.1093/nar/gki487

**Gepard Dot Plot**

Jan Krumsiek, Roland Arnold, Thomas Rattei, Gepard: a rapid and sensitive tool for creating dotplots on genome scale, Bioinformatics, 23: 1026–1028. https://doi.org/10.1093/bioinformatics/btm039

**Glimmer**

Delcher AL, Bratke KA, Powers EC, Salzberg SL. 2007. Identifying bacterial genes and endosymbiont DNA with Glimmer. Bioinformatics 23:673–679. https://doi.org/10.1093/bioinformatics/btm009

**HHPred**

Söding J, Biegert A, Lupas AN. 2005. The HHpred interactive server for protein homology detection and structure prediction. Nucleic Acids Res 33:W244 –W248. https://doi.org/10.1093/nar/gki408

**PECAAN**

discover.kbrinsgd.org

**phagesdb.org**

Russell, Daniel A.; Hatfull, Graham (December 6, 2016). "PhagesDB: the actinobacteriophage database". Bioinformatics. 33 (5): 784–786. doi:10.1093/bioinformatics/btw711. PMC 5860397. PMID 28365761

**Phamerator**

Cresawn SG, Bogel M, Day N, Jacobs-Sera D, Hendrix RW, Hatfull GF. 2011. Phamerator: a bioinformatic tool for comparative bacteriophage genomics. BMC Bioinformatics 12:395. https://doi.org/10.1186/1471 -2105-12-395

**Splitstree**

Huson DH. 1998. SplitsTree: analyzing and visualizing evolutionary data. Bioinformatics 14:68 –73. https://doi.org/10.1093/bioinformatics/14.1.68

**Starterator**

http://phages.wustl.edu/starterator/

**tRNAscan-SE**

Lowe TM, Eddy SR. 1997. tRNAscan-SE: a program for improved detection of transfer RNA genes in genomic sequence. Nucleic Acids Res 25:955–964. https://doi.org/10.1093/nar/25.5.0955.