

Assignment:

1. Create a bibliography of a minimum of 3 citations to primary research articles and 1 review article, for a total of 4 articles that are related to the Markham et al. (1998) article and include information about the evolution of the env gene. The articles should have been published in the last five years (publication dates of 2011-2016).

Each of the 4 references in your bibliography needs to have the following information (an example is given at the end of the assignment handout):

o The complete bibliographic reference in the APA style

- Kraase, M., Sloan, R., Klein, D., Logan, N., McMonagle, L., Biek, R., ... & Hosie, M. J. (2010). Feline immunodeficiency virus env gene evolution in experimentally infected cats. *Veterinary immunology and immunopathology*, 134(1), 96-106.
10.1016/j.vetimm.2009.10.015

o The link to the abstract from PubMed.

<https://www.ncbi.nlm.nih.gov/pubmed/19897254>

o The link to the full text of the article in PubMedCentral.

No direct link could be found to the article in PubMedCentral, only a link to the publisher website

o The link to the full text of the article (HTML format) from the publisher web site.

<http://www.sciencedirect.com/science/article/pii/S0165242709003419>

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http://ac.els-cdn.com/S0165242709003419/1-s2.0-S0165242709003419-main.pdf?_tid=31bd9266-89e2-11e6-b1d7-00000aacb35f&acdnat=1475551707_9cb8dc237b4f81d8fad8b0b3ff30827c

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o Write 2-3 sentences about why this article is relevant to your project.

The article contains a phylogenetic tree of env protein sequences over time. This allows us to compare to HIV-1 proteins of Markham's study.

The complete bibliographic reference in the APA style

- Kenyon, J. C., & Lever, A. M. L. (2011). The Molecular Biology of Feline Immunodeficiency Virus (FIV). *Viruses*, 3(11), 2192–2213.
<http://doi.org/10.3390/v3112192>

- o The link to the abstract from PubMed.
<https://www.ncbi.nlm.nih.gov/pubmed/22163340>
- o The link to the full text of the article in PubMedCentral.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3230847/>
- o The link to the full text of the article (HTML format) from the publisher web site.
<http://www.mdpi.com/1999-4915/3/11/2192>
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The article is a review of the information we currently have on FIV. Thus it serves as a good background information source for the article and tells us what we should know about FIV.

The complete bibliographic reference in the APA style

- Bęczkowski, P. M., Hughes, J., Biek, R., Litster, A., Willett, B. J., & Hosie, M. J. (2014). Feline immunodeficiency virus (FIV) *env* recombinants are common in natural infections. *Retrovirology*, 11, 80. <http://doi.org/10.1186/s12977-014-0080-1>

o The link to the abstract from PubMed.

<https://www.ncbi.nlm.nih.gov/pubmed/25699660>

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4180853/>

o The link to the full text of the article (HTML format) from the publisher web site.

<http://retrovirology.biomedcentral.com/articles/10.1186/s12977-014-0080-1>

o The link to the full PDF version of the article from the publisher web site.

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o Write 2-3 sentences about why this article is relevant to your project.

The research article is done on the env portion of the gene for FIV. It studies and sequences recombinants which should be helpful in comparing to human sequences.

The complete bibliographic reference in the APA style

- Sanou, M. P., Roff, S. R., Mennella, A., Sleasman, J. W., Rathore, M. H., Yamamoto, J. K., & Levy, J. A. (2013). Evolutionarily Conserved Epitopes on Human Immunodeficiency Virus Type 1 (HIV-1) and Feline Immunodeficiency Virus Reverse Transcriptases Detected by HIV-1-Infected Subjects. *Journal of Virology*, 87(18), 10004–10015. <http://doi.org/10.1128/JVI.00359-13>

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o Write 2-3 sentences about why this article is relevant to your project.

This research article compares sequences between FIV and HIV-1 which will come in handy when comparing across the two. Sequences described in this article may help in lining up analogous sequences across RNA