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| **Category: (points)** | **Criteria: Phylogenetic Tree Rubric for**  **http://grochapbiology.blogspot.com/** |
| **Introduction: (1-4)** | * The introduction has a properly stated version of the question you are addressing. * The introduction provides some information as to why this question is interesting. |
| **Methods: (1-4)** | * Your choice of sequence data is stated and the validity of its usage is explained. * The analytical process you used is described. |
| **Results: (1-4)x2** | * At least one tree diagram generated during your analysis is presented. * The relationships indicated in this tree diagram (and any additional tree diagrams) are described fully. * If your question is most appropriately addressed through the generation and description of multiple tree diagrams, this is done. |
| **Discussion: (1-4)x3** | * The results of your analysis are compared to primary/professional source literature (articles, reputable websites, textbooks). * Any discrepancies or alignment between your results and the professional literature are discussed, and justified on sound scientific grounds. * At least two additional sources of evidence that could be considered in addition to the evidence you used are discussed, and justified on sound scientific grounds. |
| **References (1-4)** | * The article contains at least two references to professional literature. * Any websites or programs that are used in the analysis are included in the articles as hyperlinks (hyperlink to the website where the program lives if you use programs). * The data sources that are used in the analysis are referenced, with hyperlinks. * All references to professional literature are included at the end of the article and cited in-text in the APA format. |
| **Aesthetics:  (1-4)** | * The article is properly structured. * The article uses appropriate language that is not needlessly simplistic or overly complex. * The article has no noticeable grammatical, syntactical, or spelling errors. |
| **Length: (1-4)** | * The article is at least 750 words in length (for reference, this document is 550 words in length). * The article is long enough to thoroughly address the requirements of the project, but not so long as to be needlessly boring. |
| **Posting: (1-4)** | * The article is posted to the blog on time. * The article is posted as either the body of a post, or as an embedded (not linked) google doc, according to the instructions demonstrated on this video:  <http://goo.gl/YKKbQ> * The article’s post has the lables “article”, “phylogeny”, and any others that you feel are appropriate |
| **Readership (1-4)** | * You have left two comments on two other posts that indicate that you have read the articles, and that offer constructive feedback or informed questions. * You have responded to all comments on your own article in a timely fashion (within 24 hours). |