CHECKLIST: DISCUSSION Hypothesis: have you interpreted your results with respect to your hypothesis? ☐ Prediction (if present in your intro): do your data match your prediction? Argument: have you introduced your argument before presenting your evidence? ☐ Support: have you compared your results with similar studies? Have you explained any discrepancies with studies that reached alternate conclusions? ☐ Have you explained the patterns in your results with respect to biology, theory, and/or underlying mechanisms (with appropriate reference to literature)? Links: have you interpreted your results according to the background laid out in your Introduction? Objective: have you addressed the objective of the study? If not, explain and recommend a follow-up study (based on sources!) • Conclusions: have you provided a take-home message at the end of your discussion, focusing on your main result/argument? ☐ Citations: have you cited your sources properly? Is each cited source in your reference section? Organization: does your discussion flow logically from the specific to the general? Convention: have you followed conventions for units, numbers, and scientific names? CHECKLIST: INTRODUCTION ☐ Background: have you provided sufficient background for the reader to understand what you are going to address? ☐ Literature: have you reviewed and acknowledged previous work on which your paper builds? ☐ Citations: have you cited your sources properly? Is each cited source in your reference section? Purpose: have you clearly stated the question you are posing, which builds on previous research? ☐ Statement of Intent: have you clearly indicated (at the end of your introduction) how you intend to answer your question? ☐ Hypothesis: have you clearly stated your hypothesis? Prediction: have you clearly stated your prediction(s) at the end of your introduction (if applicable)? Organization: does your Introduction flow logically from general to specific? ☐ Style: have you used the active voice wherever possible? ☐ Convention: have you followed conventions for units, numbers, and scientific names?

CH	IECKLIST: METHODS
	Detail: could a competent researcher reproduce your results? Materials: have you described the equipment and materials exactly when their use could affect the outcome of the experiment? Steps: have you reported the steps you took to achieve your results? Specifics: have you specified all concentrations, amounts, numbers, times, and conditions? Statistics: have you identified any transformations, statistical analyses, or mathematical equations that you used? Have you cited where necessary? Conventions: have you correctly applied conventions for numbers, units, and scientific naming? Style: written in the passive voice, past tense, and is it chronologically ordered?
CH	IECKLIST: TEXT for RESULTS
	Summary: have you summarized or highlighted the key trends in your data? Detail: do not present numbers in your text, if numbers are included in your graphic Statistics: have you reported the relevant test statistics for your statistical analysis (if appropriate)? Language: have you used 'significant' correctly? Consistency: do your data and results correspond with your Methods? Graphics: have you made reference to your graphic parenthetically? Conventions: have you followed conventions (metric!)? Discussion: have you interpreted or explained your results? If yes, then get rid of the interpretation/explanation. Style: written in the past tense and organized logically?
C	HECKLIST: GRAPHIC for RESULTS
<u> </u>	Redundancy: are your data presented in only one form? (i.e. not in a Figure and a Table) Placement: does your graphic come after the text? Naming: have you numbered your Figures (and Tables) according to the order they are first mentioned in the text? Description: have you provided an appropriate legend/title? Axes: have you clearly labelled your axes, indicated units (where appropriate), and chosen
	appropriate scaling? Independence: can a reader understand the graphic without referring to your text? Convention: have you followed standard conventions for units, measurements, and scientific naming? Guidelines: have you followed all of the guidelines for formatting a graphic? Appeal: is your graphic aesthetically appealing and professional looking? Statistics: Have you included appropriate statistics (e.g. Tukey's)? Have you included a note for any statistics relevant to the graphic?