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* Paper\_Figures\_1and2 has the code used to create the first two figures of the paper (showing the forms of epistasis and two measures of fitness)

FILES\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Contents.docx is this file, a table of contents with brief descriptions.
* Code Workflow.docx goes more into detail about the four main files used in the simulations
* Default\_VSV\_toolbox\_RK4.m is the file to populate a structure variable with all the necessary default parameters used in the toolbox and modified by “Epistasis\_Skeleton.m”
* Epistasis\_Skeleton.m is the workhorse of the files. It runs the “VSV\_toolbox\_RK4.m” many times, using different defect levels, number of defects, and many iterations of each.
* VSV\_get\_defect.m is the file storing the final selection of ranges for each parameter at a given severity level. It has both the original and “light” parameter ranges that can be selected as a parameter in “Epistasis\_Skeleton.m”
* VSV\_toolbox\_RK4.m is the actual virus model that is tested.