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Objective: To provide a framework to run diagnostics between different wormsim versions (e.g Ap27 and Ap54)

Description:

There are 4 subfolders, namely folder “wormsim-v258Ap27” (contains all diagnostic runs), folder “wormsim-v2.58Ap54” (contains all diagnostic runs), folder “reference” (contains the excel entitled as model *comparison 263YL-shape 2 blindn 7000 and 258G zonder -o.xls*) and there is one rmarkdown file and its associated html file, the folder “Older comparisons” which contains some older comparisons made for reference (see more below).

In accordance, using as a reference the excel entitled model *comparison 263YL-shape 2 blindn 7000 and 258G zonder -o.xls* (located under the folder reference) several tests are completed categorized as, (A) summary of average model output (log files), (B) demography, (C) worm load by age, (D) worm prevalence by age, (E) mf count by age, (F) mf prevalence by age, (G) mf intensity by age, (H) parameter space diagnostics for 100,000 particles for ap54. To run the simulations under different options, two sets of xml were generated each with the same unique set of transmission particles and what changed was the insemination period of the female worm. There are two folders each containing the simulation outputs from period 1 and period 2 (two different durations for the insemination period). Simply change directory to the markdown report Report\_on\_diagnostics\_Ap27\_vs\_Ap54.r for the source files.

Also as requested, I have added some older diagnostic testing between older wormim versions, namely version ap34 and ap44, the rmarkdown report and its associated html file both named as Report\_on\_diagnostics3.