1. demers\_2017\_baseline
   1. Results published by Matt Demers and colleagues for the original baseline model
   2. <https://simtk.org/projects/ankle-sprains>
      1. Available here in the “Downloads” section
   3. [10.1016/j.jbiomech.2016.11.002](http://dx.doi.org/10.1016/j.jbiomech.2016.11.002)
2. nessusOut2\_VariableDescription.xlsx
   1. Definition of each output name & units of measure that are logged to the file “nessusOut2.csv” after each execution of the model
3. MC\_AMV\_SimulationResults.zip **(\*attached as Supplementary Material to online article**)
   1. NESSUS setup files and raw output for 1000-trial Monte Carlo simulations
   2. MC trials are stored in the \F\##### subdirectories of each folder
   3. “**parse\_mechanics\_JCS.m**” script can be used with this to reproduce the extracted peak mechanics from MC simulation outputs
4. Study# folders corresponding to the above complete ZIP folder, with just SMX, ZAL, and PNG images
   1. SMX text file = input-output records for each run of MC, 1 row per trial
   2. ZAL text file = output for MC probabilistic sensitivity factor calculations
   3. PNG = verification plots of peak mechanics extracted for each MC trial, to compute ensemble mean(sd) in Table 3 of the manuscript

* Study1\_mc31\_level\_c0\_b0\_r0
* Study2\_mc26\_incline\_c0\_b0\_r0
* Study3\_mc27\_incline\_c0\_b0\_r10
* Study4\_mc28\_incline\_c60\_b0\_r0
* Study5\_mc29\_incline\_c0\_b240\_r0
* Study6\_mc30\_incline\_c20\_b150\_r5