Code accompanying paper “Biphasic adaptive evolution of antimicrobial resistance” by Suman G. Das, Muhittin Mungan, Joachim Krug.

NOTE the following.

1. The code adaptive-walk.f90 simulates averages over random walks on TIL landscape.
2. The code is written in Fortran and can be compiled with the gfortran compiler from terminal.
3. The model and simulation parameters are in Line 238-243. Parameters not defined here were held constant throughout the paper.
4. The output is printed into the file “output.d”.
5. The output has 8 columns. In order: time step, mutation number, log fitness, log null-fitness, log fitness, log resistance, fixation probability of fitter neighbors, relative cost.
6. Un-comment line 529 to print landscape averaged -u and v at end of file.
7. The code is set for Kimura walk. To switch to unform walk, comment out Line 421 and un-comment Line 422.