# Dataset S7

# R code for multiple test corrections of spectral analyses

# Uses objects created by Dataset S5

# Define the frequency resolution bands for LOWSPEC associated with predicted

# ~1.2 Myr and ~2.4 Myr grand cycles

flow=c((1/2.4)-0.0322841,(1/1.2)-0.0322841)

fhigh=c((1/2.4)+0.0322841,(1/1.2)+0.0322841)

# Multiple test corrections using LOWSPEC

multiTest(specLow, flow=flow, fhigh=fhigh)

# Define the frequency resolution bands for MTM-PL associated with predicted

# ~1.2 Myr and ~2.4 Myr grand cycles

flow=c((1/2.4)-0.03225806,(1/1.2)-0.03225806)

fhigh=c((1/2.4)+0.03225806,(1/1.2)+0.03225806)

# Multiple test corrections using MTM PL

multiTest(specPL1, flow=flow, fhigh=fhigh)

# Multiple test corrections using periodogram-AR1

multiTest(specAR1, flow=flow, fhigh=fhigh)

# Multiple test corrections using periodogram-PL

multiTest(specPL2, flow=flow, fhigh=fhigh)