Caption Supplementary Material Downhole Measurements:

Formation Microscanner Images for Hole U1499B along with other collected log data. From left to right: LCAL caliper, C1 and C2 FMS calipers, FMS images, depth below the sea floor (MD), HSGR Gamma ray, HFK Potassium content, HURA Uranium content, HTHO Thorium content, RT HRLT Resistivity, RHOM Density, VELS sonic velocities, PEFL Long-spaced Photoelectric Effect. The far-right panel shows the seismic data, plotted in two-way traveltime (ms). See Methods for definition of abbreviations.