



FIGURE 6 Shear-wave velocity in the elastic (infinite frequency) limit for three model mantle compositions: pyroxenite (blue solid line), harzburgite (green solid line), and pyrolite (red solid line), and shear-wave velocity at seismic frequencies for pyrolite (red dashed line), computed along a 100 Ma oceanic geotherm, compared with several seismicological models of 100 Ma Pacific Ocean upper mantle (black solid lines). The grey bar indicates the seismologically constrained magnitude of shear anisotropy. AFTER STIXRUDE AND LITHGOW-BERTELLONI (2005)