



Figure S7. P-wave ground velocity based estimates of the source spectra for large Indonesian earthquakes compared with reference ω -squared source spectra. The three tsunami earthquakes (2 June 1994; 17 July 2006; 25 October 2010) are shown on the left, with all of the observations plotting well below the reference curves, in contrast to the behavior for deeper conventional megathrust events of 2 November 2002, 20 February 2008, and 12 September 2007 shown on the right.