



**Supplementary Figure 1.** Cumulative grain size distribution of the glass beads used in the experiments ( $D_{50} = 41.5 \mu m$ ,  $\sigma = 14 \mu m$ ). The grain size distribution was obtained by laser diffraction using a BetterSizer S3 Plus. The dotted black, red and blue lines respectively indicate the 14<sup>th</sup>, 50<sup>th</sup> and 86<sup>th</sup> percentiles.