

Extended Data Figure 10 | High-throughput screening of acoustic phenotypes. a, Ultrasound intensity histogram of 22 randomly picked colonies. Colonies with low contrast were predicted to contain the gene encoding GFP and those with high contrast to contain genes encoding *arg1* or *arg2* genes. b, Normalized change in ultrasound intensity (U) for each of the 15 *arg1* or *arg2* colonies after insonation at increasing pressures. At 4 MPa, colonies with signal above the indicated threshold were predicted to be *arg1* and below to be *arg2*. This experiment was performed once; each colony was treated as a biological replicate.