a) Unstructured-triangle/irregular mesh: q = 50 kPaq = 100 kPaInvariant E dev 0.17575 0.15622 0.13669 0.11717 0.097638 0.078111 0.058583 0.019528 b) Structured-triangle/fine mesh: q = 50 kPaq = 100 kPaInvariant E dev 0.12805 0.11382 0.099595 0.085367 0.056912 0.042684 0.014228 c) Structured-quadrilateral/fine mesh: q = 50 kPaq = 100 kPa0.19179 0.17048 0.14917 0.12786 0.10655 0.085241 0.04262 0.04262 d) Structured-quadrilateral/coarse mesh: q = 50 kPaq = 100 kPaInvariant E dev 0.16554 0.14714 0.12875 0.11036 0.091965 0.073572 0.055179 0.036786 0.018393

Figure S4: Evolution of total shear strains using program CODE_BRIGHT (q = 50 kPa and 100 kPa) with the different meshes assumed: (a) unstructured mesh with triangular elements, (b) triangular structured-mesh, (c), quadrilateral structured-fine-mesh, and (d) quadrilateral structured-coarse-mesh. Cases with $t_i = 0.018$ m and $R_i = 0.8$.