Fig. 46 Localization of gene expression after treatment with UTMD. Adult rats were injected with microbubbles loaded with $10^{11}$ genomic particles of AAV-9-cytomegalovirus (CMV)-MLC0.26-EGFP vectors. (A) No fluorescent signals were detectable in the absence of ultrasound; (B) The anterior wall showed a strong fluorescent signal after UTMD; (C) When is amplified, only few fluorescent signals could be observed in the absence of microbubbles; (D) The merged picture of green fluorescent protein (GFP)-fluorescence and phalloidin co-staining; (E) In the presence of UTMD, multiple GFP-positive cells can be observed; (F) co-staining with phalloidin. Bar a, b: 1 mm and c~f: 50 μm.}\textsuperscript{[42]}