**Supplementary File 4**

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| **Parameter** | **Sham (n=14)** | **MI (n=12)** |
| Infarct size (%) |  | 59.9 ± 2.1 |
| End-diastolic volume (mL) | 0.33 ± 0.01 | 0.03 ± 0.004\* |
| End-systolic volume (mL) | 0.09 ± 0.01 | 0.02 ± 0.003\* |
| Stroke volume (mL) | 0.24 ± 0.01 | 0.01 ± 0.001\* |
| Ejection fraction | 0.73 ± 0.02 | 0.35 ±0.02\* |