Supplemental Table 2 Comparisons of left ventricular regional strain between *MYLK2*-K324E mutation carriers and non-mutation subjects

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | CS (%) |  | RS (%) |  | LS (%) |  | 3D Strain (%) |
| Mutation | Non-mutation  | p value |  | Mutation | Non-mutation  | p value |  | Mutation | Non-mutation  | p value |  | Mutation | Non-mutation  | p value |
| ***Basal Segments*** |
| Posteroseptal | -25.06±6.40 | -23.57±7.30 | NS |  | 34.14±6.02 | 33.74±9.19 | NS |  | -20.91±3.46 | -14.36±5.43 | NS |  | -33.08±3.52 | -31.52±5.85  | NS |
| Lateral | -24.45±7.56 | -28.86±2.92 | NS |  | 39.08±10.32 | 45.99±1.34 | NS |  | -23.01±3.58 | -26.18±7.14 | NS |  | -31.00±5.39 | -35.62±2.05  | NS |
| Anterior | -29.87±3.21 | -32.81±2.52 | NS |  | 41.47±3.09 | 45.96±1.90 | NS |  | -22.87±0.54 | -20.89±7.75 | NS |  | -29.48±1.96 | -33.97±3.52  | NS |
| Inferior | -27.36±5.27 | -32.76±6.18 | NS |  | 39.37±4.38 | 45.08±8.05 | NS |  | -23.98±3.82 | -20.87±6.37 | NS |  | -33.29±2.43 | -37.50±3.80 | NS |
| Anteroseptal | -24.33±2.75 | -23.41±5.22 | NS |  | 34.40±3.69 | 34.70±4.64 | NS |  | -20.30±9.55 | -15.76±7.65 | NS |  | -32.55±0.98 | -29.00±3.52 | NS |
| Posterior | -21.61±5.89 | -25.98±4.12 | NS |  | 37.40±7.71 | 41.63±7.68 | NS |  | -24.81±4.85 | -26.50±5.90 | NS |  | -30.44±4.25 | -34.03±1.76 | NS |
| ***Mid Segments*** |  |
| Posteroseptal | -48.97±9.09 | -35.20±6.73 | NS |  | 53.68±10.41 | 43.17±7.96 | NS |  | -17.63±6.82 | -16.60±3.42 | NS |  | -52.66±8.33 | -44.56±4.05 | NS |
| Lateral | -32.61±5.17 | -34.72±4.39 | NS |  | 43.34±5.55 | 48.01±4.42 | NS |  | -15.49±7.97 | -22.29±2.42 | NS |  | -34.65±4.65 | -38.96±4.04 | NS |
| Anterior | -28.93±6.27 | -32.81±2.14 | NS |  | 39.47±5.38 | 45.16±3.00 | NS |  | -18.90±1.80 | -20.80±4.66 | NS |  | -29.77±1.40 | -33.05±3.76 | NS |
| Inferior | -34.38±5.39 | -40.05±5.52 | NS |  | 44.59±5.58 | 51.47±6.23 | NS |  | -19.20±3.79 | -21.41±3.90 | NS |  | -47.87±1.38 | -48.43±5.69 | NS |
| Anteroseptal | -38.91±5.37 | -33.52±6.26 | NS |  | 45.93±5.27 | 41.99±4.65 | NS |  | -17.98±3.75 | -15.42±3.14 | NS |  | -42.31±6.25 | -38.68±8.57 | NS |
| Posterior | -31.04±3.46 | -30.85±6.18 | NS |  | 42.51±4.21 | 43.92±9.08 | NS |  | -16.68±5.89 | -21.13±4.10 | NS |  | -33.05±1.57 | -36.67±2.55 | NS |
| ***Apical Segments*** |
| Septal | -45.56±12.20 | -35.22±2.36 | NS |  | 49.74±11.35 | 45.25±1.71 | NS |  | -16.40±4.40 | -19.70±8.83 | NS |  | -46.12±9.25 | -39.74±3.30 | NS |
| Lateral | -35.49±8.91 | -34.86±2.84 | NS |  | 47.28±9.90 | 48.82±4.70 | NS |  | -19.50±4.98 | -19.37±3.20 | NS |  | -36.77±7.34 | -40.39±8.51 | NS |
| Anterior | -37.62±10.86 | -35.41±3.38 | NS |  | 46.02±8.53 | 47.01±4.53 | NS |  | -18.01±4.09 | -17.17±1.32 | NS |  | -38.58±8.04 | -37.69±5.81 | NS |
| Inferior | -38.71±9.11 | -38.53±3.01 | NS |  | 46.52±7.84 | 52.69±2.48 | NS |  | -17.60±4.80 | -22.17±4.90 | NS |  | -38.41±4.47 | -45.28±8.45 | NS |

Abbreviations as in table 3.