**Table S5. Findings of circRNA-miRNA-mRNA axes in myocardial infarction.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CircRNA | miRNA | mRNA | Function/outcome | Ref |
| Circ\_0023461 | miR-370-3p | PDE4D | Apoptosis; Oxidative stress; Inflammation | 1 |
| Circ1615 | miR-152-3p | LRP6 | Ferroptosis; Autophagy | 2 |
| Circ-NNT | miR-33a-5p | USP46 | Pyroptosis | 3 |
| CircITGB1 | miR-342-3p | NFAM1 | Dendritic cell maturation; | 4 |
| CircRbms1 | miR-742-3p | FOXO1 | N/A | 5 |
| Circ\_SMG6 | miR-138-5p | EGR1/TLR4/TRIF | I/R injury | 6 |
| Circ\_0007059 | miR-378 | miR-383 | Apoptosis; Inflammation | 7 |
| CircHSPG2 | miR-25-3p | PAWR | N/A | 8 |
| CircTDRD3 | miR-4295 | TP63 | Apoptosis | 9 |
| MACF1 | miR-500b-5p | EMP1 | Apoptosis | 10 |
| CDYL | miR-4793-5p | APP | Proliferation; regeneration | 11 |
| SNRK | miR-103-3p | GSK3β/β-catenin | Apoptosis; Proliferation | 12 |
| LAS1L | miR-125b | SFRP5 | Fibrosis | 13 |
| Ube3a | miR-138-5p | RhoC | Fibrosis | 14 |
| 0124644 | miR-590-3p | SOX4 | Hypoxia-induced cardiomyocytes injury | 15 |
| Cdr1as | miR-7a | PARP&SP1 | Apoptosis | 16 |
| 010567 | miR-141 | DAPK1 | Fibrosis; Apoptosis | 17 |
| Nfix | miR-214 | Gsk3β | Regeneration; Angiogenesis | 18 |
| Hipk3 | miR-133a | Notch1 | Cardiac Regeneration | 19 |
| 101237 | let-7a-5p | IGF2BP3 | Apoptosis | 20 |
| MFACR | miR-652-3p | MTP18 | Mitochondrial dynamics; Apoptosis | 21 |
| CircHIPK3 | miR-29a | VEGFA | Proliferation | 22 |

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