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| Supplementary file 1. List of primers used in this study | |
| **qRT-PCR** |  |
| p21 forward | TGTATATTCAGCATTGTGGGAGGA |
| p21 reverse | CTGGACTGTTTTCTCTCGGCTC |
| miR-34a forward | ACACTCCAGCTGGGTGGCAGTGTCTTAGCT |
| miR-34a reverse | ACTGACTGATGCAATCTCAACTGGTGTCGTGGA |
| miR-139-5p forward | ACACTCCAGCTGGGTCTACAGTGCACGTGTC |
| miR-139-5p reverse | ACTGACTGATGCAATCTCAACTGGTGTCGTGGA |
| GAPDH forward | GATTCCACCCATGGCAAATTC |
| GAPDH reverse | AGCATCGCCCCACTTGATT |
| **ChIP-PCR** |  |
| miR-139 forward | CTCAGGGCTCGGGCTTTAT |
| miR-139 reverse | CCTCCATGCCAGCGTTTCT |
| **Constructs** |  |
| pGL3-miR-139 forward | ccgACGCGTGGCCAGTGGCTGTAACAGAT |
| pGL3-miR-139 reverse | ccgCTCGAGCACCAACTCTTGGACGGTGA |
| pGL3-miR-139-mut forward | GGGAGAGCATGCCAGAAAATGCCTCAGAAAGAAAG |
| pGL3-miR-139-mut reverse | CTTTCTTTCTGAGGCATTTTCTGGCATGCTCTCCC |
| pMIR-PDE4D-WT forward | CTAGTCTGCAGTTTATTTTATTTTATTTTTTGACACAAACTGTAGATTTTAGCAGCCCTGGA |
| pMIR-PDE4D-WT reverse | AGCTTCCAGGGCTGCTAAAATCTACAGTTTGTGTCAAAAAATAAAATAAAATAAACTGCAGA |
| pMIR-PDE4D-mut forward | CTAGTCTGCAGTTTATTTTATTTTATTTTTTctgtgAAtgacatctTTTTAGCAGCCCTGGA |
| pMIR-PDE4D-mut reverse | AGCTTCCAGGGCTGCTAAAAagatgtcaTTcacagAAAAAATAAAATAAAATAAACTGCAGA |
| pSIF-139-Top | GATCCtctacagtgcacgtgtctccagtCTTCCTGTCAGAactggagacacgtgcactgtagaTTTTTG |
| pSIF-139-Bottom | AATTCAAAAAtctacagtgcacgtgtctccagtTCTGACAGGAAGactggagacacgtgcactgtagaG |