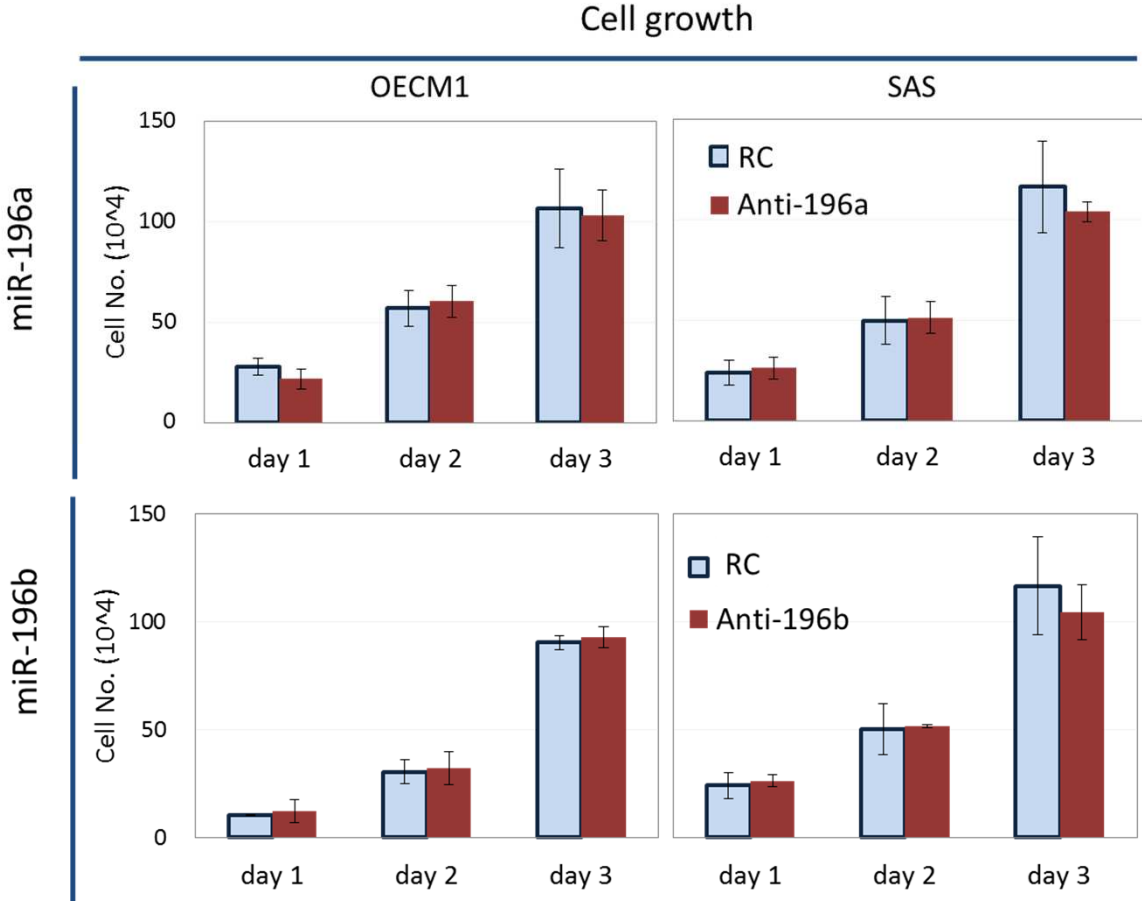
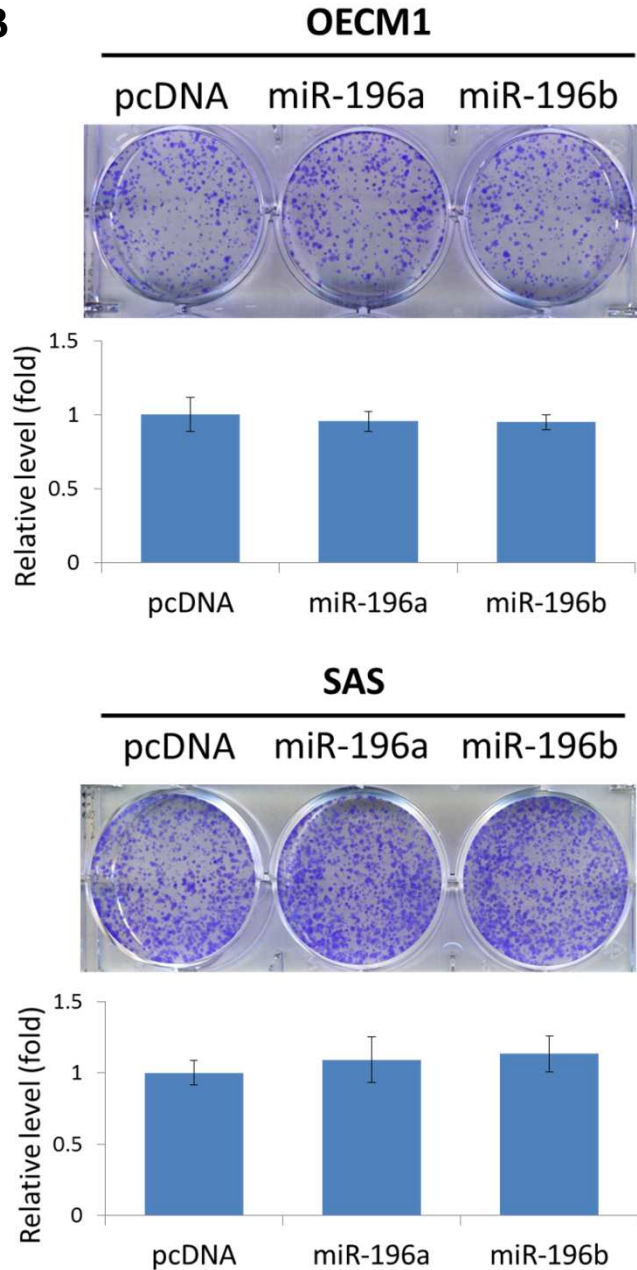


Supplementary Figure S1

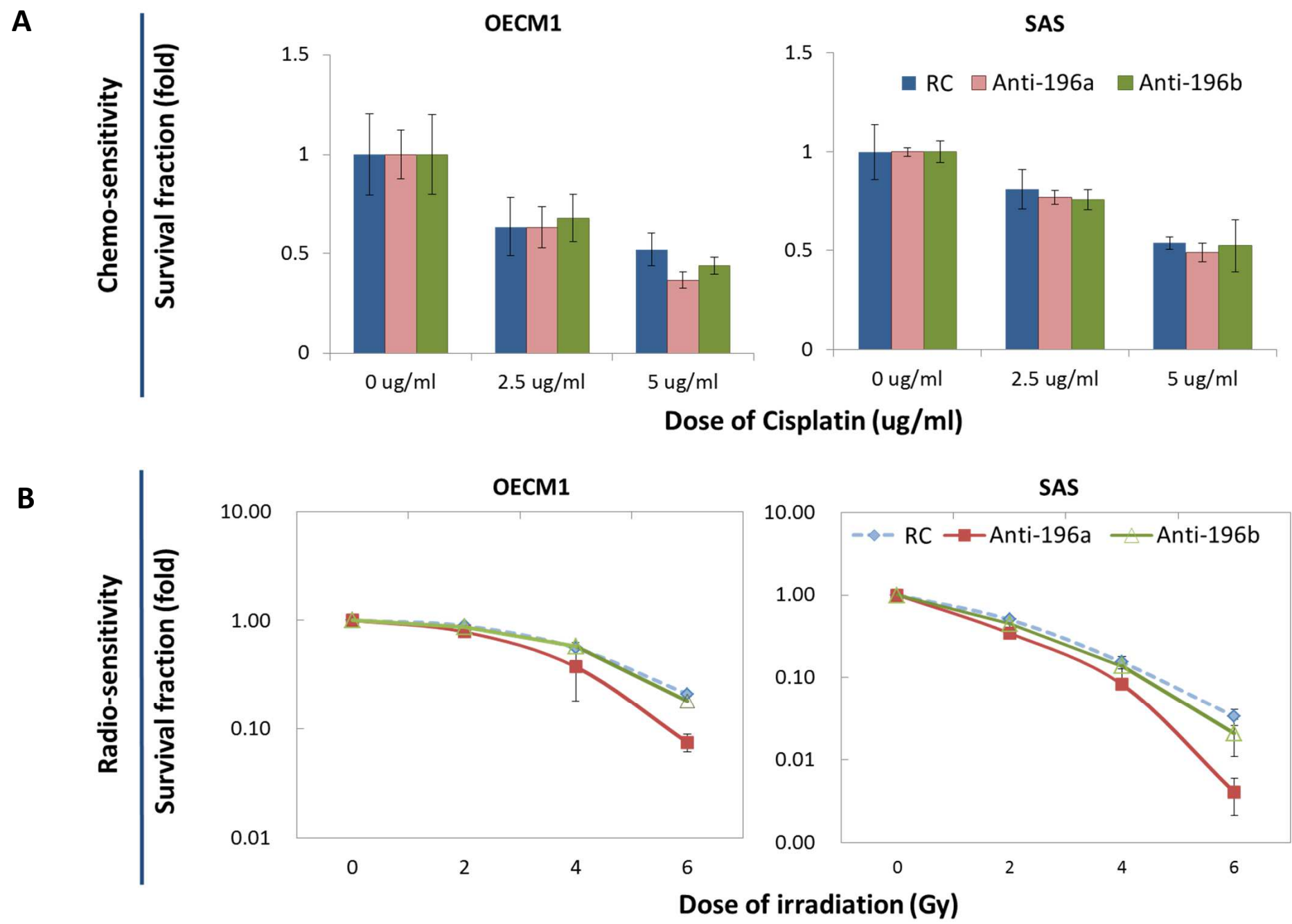
A



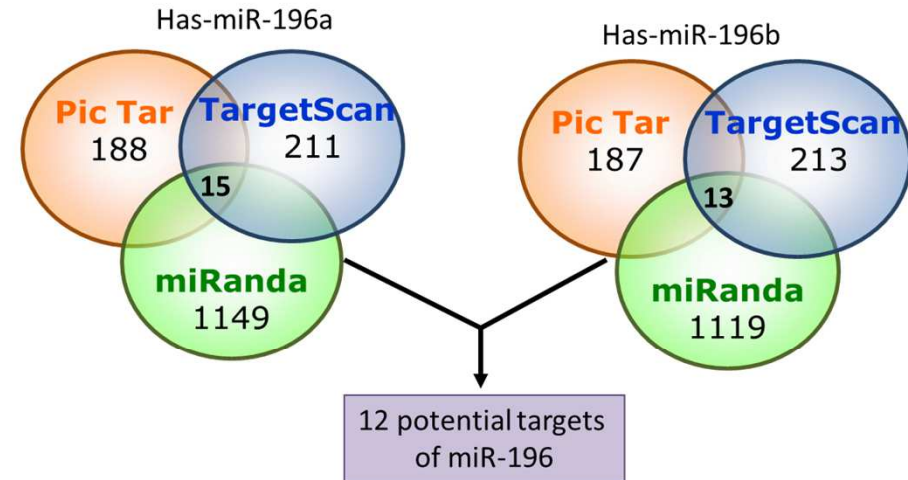
B



Supplementary Figure S2



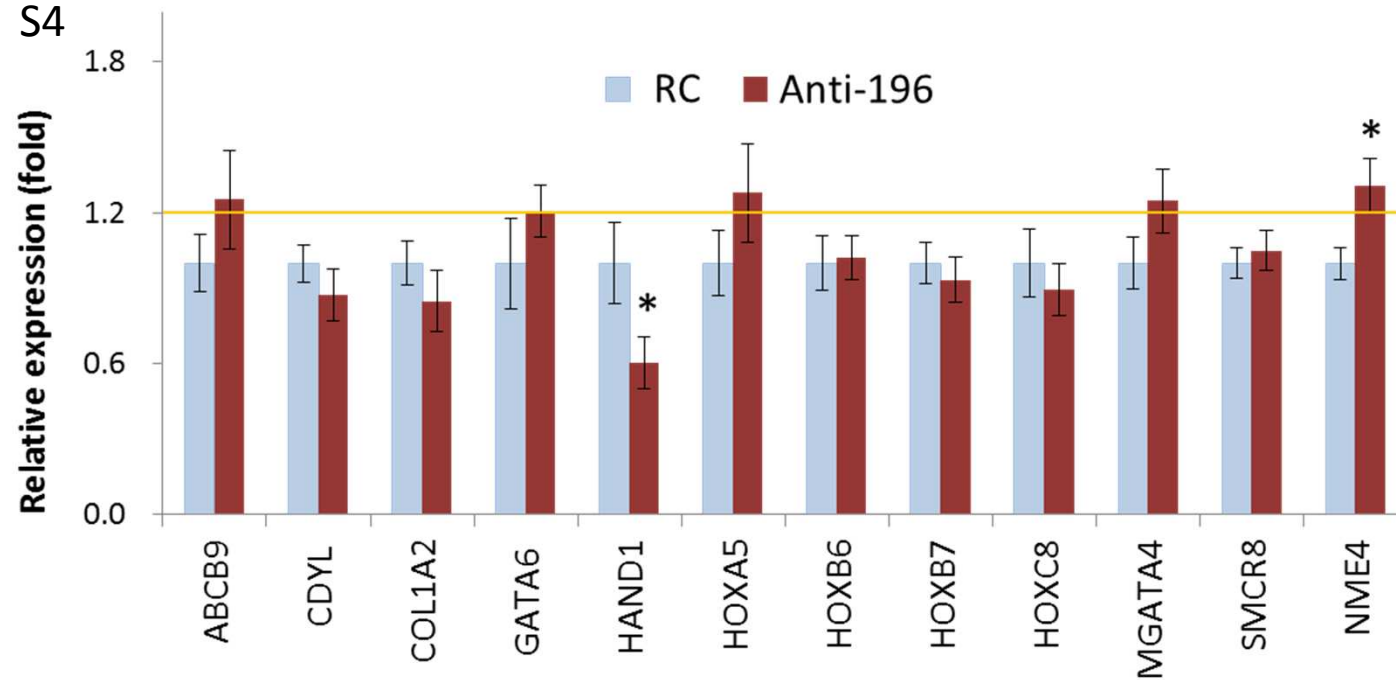
Supplementary Figure S3



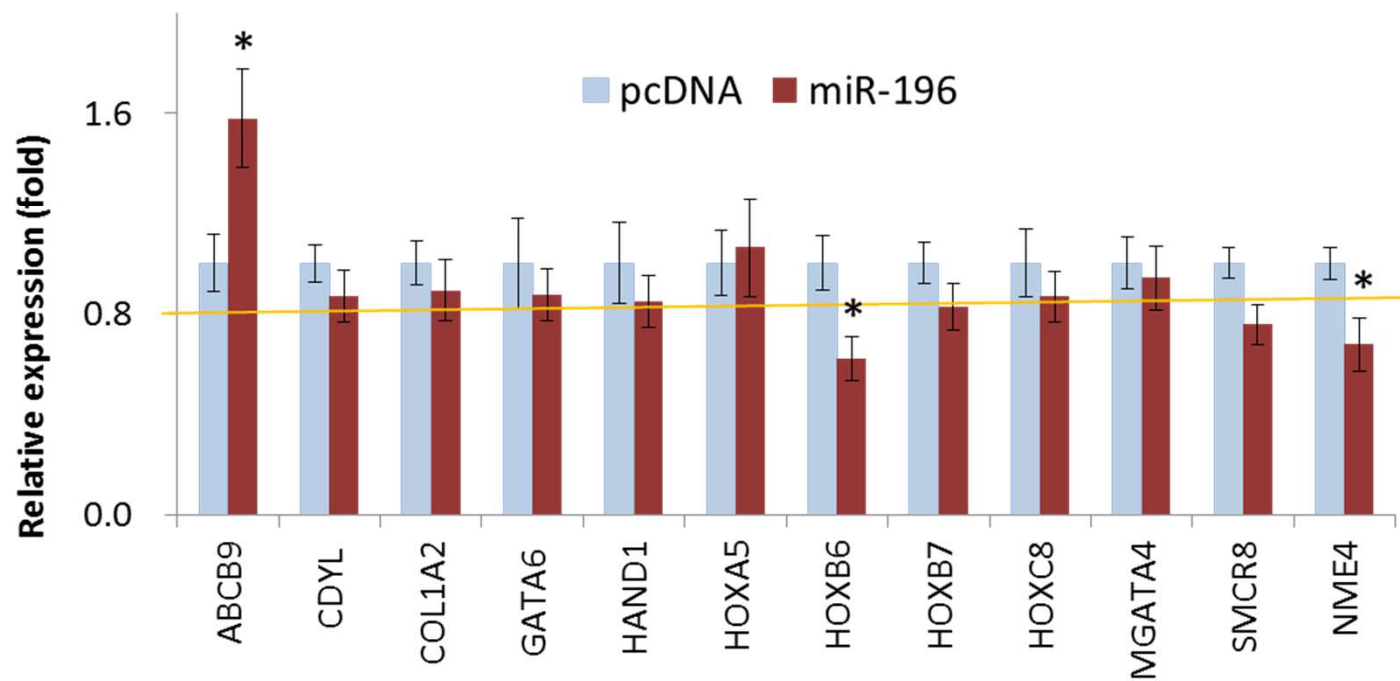
| Target gene | Human RefSeq Id | CHR | Annotation |
|-------------|-----------------|-----|---|
| ABCB9 | NM_203445 | 11 | Homo sapiens ATP-binding cassette, sub-family B (MDR/TAP), member 9 |
| CDYL | NM_004824 | X | Homo sapiens chromodomain protein, Y-like, transcript variant 1 |
| COL1A2 | NM_000089 | 2 | Homo sapiens collagen, type I, alpha 2 |
| GATA6 | NM_005257 | 19 | Homo sapiens GATA binding protein 6 |
| HAND1 | NM_004821 | 19 | Homo sapiens heart and neural crest derivatives expressed 1 |
| HOXA5 | NM_019102 | 16 | Homo sapiens homeo box A5 |
| HOXB6 | NM_156036 | 1 | Homo sapiens homeo box B6 |
| HOXB7 | NM_004502 | 8 | Homo sapiens homeo box B7 |
| HOXC8 | NM_022658 | 9 | Homo sapiens homeo box C8 |
| MGAT4A | NM_012214 | 12 | Homo sapiens mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme A |
| SMCR8 | NM_144775 | 2 | Homo sapiens Smith-Magenis syndrome chromosome region, candidate 8 |
| NME4 | NM_005009 | 8 | Homo sapiens non-metastatic cells 4, protein expressed in |

Supplementary Figure S4

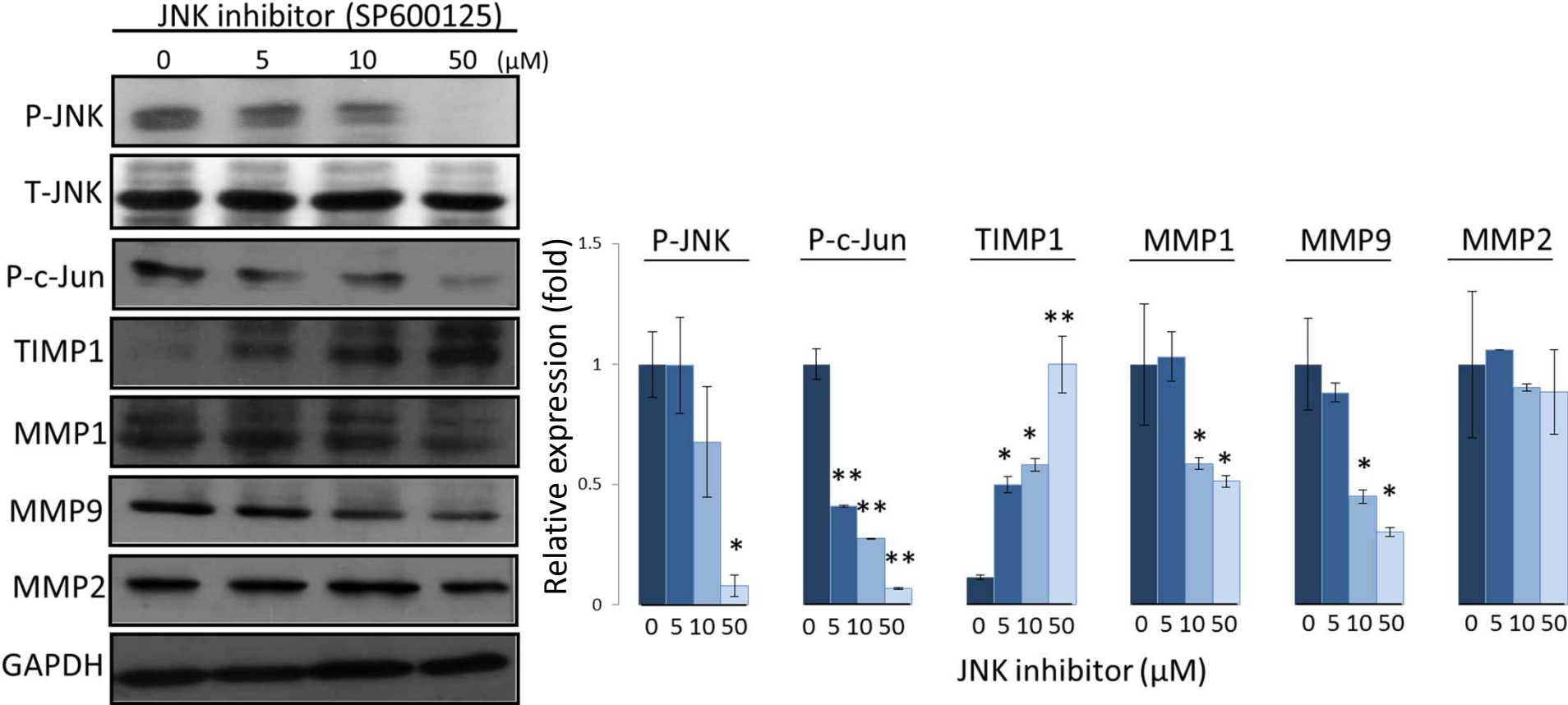
miR-196 down-regulated



miR-196 up-regulated



Supplementary Figure S5



Supplementary Figure S6

