

C-kit induces epithelial–mesenchymal transition and contributes to salivary adenoid cystic cancer progression – Tang et al

Table S1 shRNA sequences of c-kit

| Gene | Sequence(5'-3') |
|-------------|---|
| c-kit | 5' -GATCCGtctagccagagacatcaagTTCAAGAGActtgatgtctctggctag aTTTTTTACGCGTG-3' |
| c-kit | 5' -GATCCGtcagcacatggattcgcaaTTCAAGAGAttgcgaatccatgtgctg aTTTTTTACGCGTG-3' |
| Negative | aTTTTTTACGCGTG-3' |

Table S2 Gene primers of RT-PCR

| Gene | Forward primer (5'-3') | Reverse primer (5'-3') |
|-------------|-------------------------------|-------------------------------|
| c-kit | ATTTTCTCTGCGTTCTGCTCCTAC | CGCCCACGCGGACTATTA |
| Slug | TGATGAAGAGGAAAGACTACAG | GCTCACATATTCCTTGTCACAG |
| Snail1 | GCTCCACAAGCACCAAGAGT | CATGGCAGTGAGAAGGATGT |
| E-cadherin | CCCATCAGCTGCCAGAAAATGAA | CTGTCACCTTCAGCCATCCTGTTT |
| N-cadherin | CCGACGAATGGATGAAAGACC | TTGCAGCCTATGCCAAAGC |
| Vimentin | GAGAACTTTGCCGTTGAAGC | GCTTCCTGTAGGTGGCAATC |
| TGF-β1 | CCAACTATTGCTTCAGCTCCA | TTATGCTGGTTGTACAGGG |
| ZEB1 | TGCACTGAGTGTGAAAAGC | TGGTGATGCTGAAAGAGACG |
| ZEB2 | CGCTTGACATCACTGAAGGA | CTTGCCACACTCTGTGCATT |
| Prrx1 | GGATCCACCATGACCTCCAGCTACGGCA | GAATTCTCAGTTGACTGTTGGCACCT |
| HOXB7 | CCAGCCTCAAGTTCGGTTTTT | CCCGAACCCGCTCCATAG |
| GAPDH | ATGACCCCTTCATTGACCTCA | GAGATGATGACCCTTTTGGCT |

Table S3 Clinicopathological features of the ACC patients (n=121)

| Clinicopathological features | No. of cases |
|-------------------------------------|---------------------|
| Age(years) at diagnosis | 121 |
| <50 | 45 |
| ≥50 | 76 |
| Sex | 121 |
| Female | 67 |
| Male | 54 |
| Complaints, months | 121 |
| <12 | 64 |
| ≥12 | 57 |
| Site | 121 |
| Minor salivary gland | 63 |
| Major salivary gland | 58 |
| Histological subtype | 121 |
| Tubular/ Cribiform | 85 |
| Solid | 36 |
| Resection margins | 121 |
| Free | 88 |
| Affected | 33 |
| TNM stage | 121 |
| I- II | 34 |
| III-IV | 87 |
| Perineural invasion | 100 |
| Yes | 47 |
| No | 53 |
| Local regional recurrence | 121 |
| Yes | 30 |
| No | 91 |
| Distant metastasis | 103 |
| Yes | 39 |
| No | 64 |