



Supplemental Fig.1 ChIP analysis of COUP-TFII binding to Hey2, Foxc1, Np-1 and Notch 4 promoters in 293T cells. COUP-TFII binds to the region containing conserved DR3 binding site in the Hey2 promoter and DR2 binding site in the Foxc1 and Np-1 promoters in 293T cells. However, it does not bind to Notch 4 promoter in 293T cells.

Supplemental figure1

Supplemental Table 1: Primers used for qRT-PCR

	Forward Primer	Reverse Primer
18sRNA	5'-TCCGATAACGAACGAGACTC-3'	5'-CAGGGACTTAATCAACGCAA-3'
COUP-TFII	5'-GCAAGTGGAGAAGCTCAAGG-3'	5'-TCCACATGGGCTACATCAGA-3'
E2F1	5'-ACAGATCCCAGCCAGTCTCTAC-3'	5'-GAGAAGTCTCCCGCACAT-3'
CCNE1	5'-GCAGTATCCCCAGCAAATCT-3'	5'-ATGATACAAGGCCGAAGCAG-3'
CCNE2	5'-GCCTTGCGCCATTTTACCTC-3'	5'-CATTGACAAAAGGTACCATCCA-3'
CCNA2	5'-CTGCTGCTATGCTGTTAGCC-3'	5'-AGGCTGCTGATGCAGAAAGT-3'
CCNB1	5'-GCTCTTGGGGACATTGGTAA-3'	5'-CACTGGCACCAGCATAGGTA-3'
CCNB2	5'-CGACCCTTGCCACTACACTT-3'	5'-TCTGAGACAAGCAGGAAGCA-3'
CDC6	5'-CCAAAAAGGAAGCTGTCTCG-3'	5'-ATAGGTTGTCATCGCCCAGA-3'
CDC25A	5'-CGGAGTCGTGTTTGTGTTTG-3'	5'-TAGTGACGGTCAGGTTGGTG-3'
SRC-3	5'-GAAGGCCAGAGTGACGAAAG-3'	5'-AATGCCTGTCCCTGATTGAC-3'
Notch4	5'-ATTCCCACTGCCTCCAGACT-3'	5'-TTGTGGCAAAGGGAAGAGAC-3'
Foxc1	5'-AGCAGCAGAACTTCCACTCGGT-3'	5'-TCGGCTTTGAGGGTGTGTCA-3'
PSENN	5'-TTCCTTGTCAGCCTACAC-3'	5'-ATGGTGATCCAGGAGGTGAG-3'
Hey2	5'-TTGAGAAGACTTGTGCCAACTG-3'	5'-GTGCGTCAAAGTAGCCTTTACC-3'
Hes1	5'-TCAACACGACACCGGATAAA-3'	5'-TCAGCTGGCTCAGACTTTCA-3'
Hes2	5'-TTTTCCCGAGCATCAATTTTC-3'	5'-AAAGCCACAAGCTTCTTGA-3'
NCSTN	5'-GCAGCTCGAGGATGGTCTAC-3'	5'-TCTGTGTGCATCCAAAGCTC-3'
EphrinB2	5'-TGAAAGTTGGACAAGATGCAAG-3'	5'-TGCTAGAACCTGGATTGGTTT-3'
EphB4	5'-CCATCAAAATGGGAAGATACGA-3'	5'-CCAAGATTTTCTTCTGGTGTCC-3'
18sRNA	5'-TCCGATAACGAACGAGACTC-3'	5'-CAGGGACTTAATCAACGCAA-3'
COUP-TFII	5'-GCAAGTGGAGAAGCTCAAGG-3'	5'-TCCACATGGGCTACATCAGA-3'
E2F1	5'-ACAGATCCCAGCCAGTCTCTAC-3'	5'-GAGAAGTCTCCCGCACAT-3'
CCNE1	5'-GCAGTATCCCCAGCAAATCT-3'	5'-ATGATACAAGGCCGAAGCAG-3'
CCNE2	5'-GCCTTGCGCCATTTTACCTC-3'	5'-CATTGACAAAAGGTACCATCCA-3'
NP-1	5'-TTCAGGGCCATTTCTTTTATC-3'	5'-GGAACATTCAGGACCTCTCTG-3'
CD44	5'-AAGGTGGAGCAAACACAACC-3'	5'-GCTTTTCTTCTGCCACAC-3'
NP-2	5'-CAAGTACGATTGGCTGGACA-3'	5'-TGTGAAAGGTCAGGGAGAGG-3'

Supplemental Table 2: Primers used for ChIP

	Forward Primer	Reverse Primer
E2F1-Sp1	5'-CGCGTTAAAGCCAATAGGAA-3'	5'-AAAGTCCCGGCCACTTTTAC-3'
E2F1-Neg	5'-CTAACTGCTGATGGGGGTGT-3'	5'-CAAACAATGGTGGCTGCTA-3'
Hey2-DR3	5'-CCCCGAGGCCGCGAAAGTAG-3'	5'-CAGTCCTGAGTGTAAGAATAACC-3'
Hey2-Neg	5'-AACTGCCGGTAATTATTTCACTGG-3'	5'-CACATACCCCTCTCCTTTTCTTTC-3'
Foxc1-DR2	5'-GGTGACGGATGCTCAAAAAGT-3'	5'-GAAGGCGGCCAAATAACC-3'
Foxc1-Neg	5'-TAGCTGTCAAATGGCCTTCC-3'	5'-TGCTTTGGGGTTTCGATTTAGT-3'
NP-1-DR2	5'-TCTCCCTGCCCGCCCCTTTTCTT-3'	5'-TGCCACCCCACTTCCCACAGC-3'
NP-1-Neg	5'-CAGGCAGAGGCGCGGGTGACA-3'	5'-TTGGCATGCTGATCTGGGAAGGTA-3'
Notch4-Promoter	5'-GTTGCAGTTCTCTGAGAAGCATC-3'	5'-CCAGCCCTGCTGTTTGTGA-3'