

Supplement Material

Localization of E-box and primers used for ChIP qPCR: Red: 5'UTR, Blue: Exon 1, Green: ATG initiator codon, Yellow: conserved E-box predicted by Mulan with consensus sequence in bold, Italics: additional E-box, Underlined: primers for qPCR.

EpCAM

E box: conservation in 2 species (human, macaque)

ccTGG**GAACACCTTTTC**TTACATCTTCAAGTGCTAGAAATGCTTATGAAAACGAAAAAAG
AATTATTAAGAGTAATTATAAAGAAACACTCATTTTCTTCCCAAGAGAGCCAAGAttctctcttc
ctctctctctctctctctctctctctctCTAATTTCAAAGGAGTATAATTAAATTGCCAGGTAAAAGCTCAAAGGTC
TTTTTTATAGTGTTCTGGAAGGTTCTCTGCCTGTGTTTGTATTTCCTTTAGCCTCCACGTTC
CTCTATCCAGTTCCCGCACCCCTTCCCCCAGGCCCATTTCTTCAAGGCTTCAGAGCAGCGC
TCCTCCGGTTAAAAGGAAGTCTCAGCACAGAATCTTCAAACCTCCTCGGAGGCCACCAAA
GATCCCTAACGCCGCCATGGAGACGAAG**CACCT***ggggcgggcgaggcgggcgcgcgggccc***CACCT**
GTGGAGAGGGCCGCGCCCCAACTGCAGCGCCGGGGCTGGGGGAGGGGAGCCTACTCACT
CCCCCAACTCCCGGGCGGTGACTCATCAACGAGCACCAGCGGCCAGAGGTGAGCAGTCCC
GGGAAGGGGCCGAGAGGCGGGGCCCGCAGGTC**GGGCAGGTGTGC**GCTCCGCCCCGCCG
CGCGCACAGAGCGCTAGTCCTT**CGGCGAGCGAGCACCTTCGACGCGGTCCGGGGACCCCC**
TCGTCGCTGTCCTCCCGACGCGGACCCGCGTGCCCCAGGCCTCGCGCTGCCCGGCCGGCT
CCTCGTGTCCTCCCGGCGCACGCCCTCCCGCGAGTCCCGGGCCCCCTCCCGCGCCCCCTC
TTCTCGGCGCGCGCGCAGC**ATG**CGCCCCCGCAGGTCCTCGCGTTCGGGCTTCTGCTTGCC
GCGGCGACGGCGACTTTTGCCGCAGCTCAGGAAGGTGAGGCGCGGATTGGAGCAGAGTT
GTGGAGCTGGGCTGGGCTGGG

ESRP1

E box: conservation in 2 species (human, macaque)

CTCCTCCCCACCGCTGCCACGTCGTGGTTTGAAGGAGCCAATGGGCCGGCGCCGCCAGG
TGTCTCTTACCTGCACCACGTGGGGGAGGGGGAAGGGGC**GGGCAGGTAAAGC**CACATCC
CAAAACAGAAAAGCTTTCAGCCATTGCGTGCTCCCGGGGGGGGCAGCCTTGCTCCAGGC
TTTTTGCATAGACGCCCCGGGCAACTGAATACAAAAGGGCAGGCCTCCTGCGCCCTCCTT
CCCACCCCCCTTCCTGCCCTGGGCGTGGAGCACC**GACCAGGTGTGG**GCTTGGGTGGTTGG
TTACCGCCTTTTGCCTAGCAGTAGCA**AGGAAGGGGGGTGGGCGCTCTTTCTTTTCTCTT**
AGAAGAGGGTTTAGCACAGGTTTTTTCGTTCTCACTTCCACACCACCTTACCGCCTCCCGA
CCCCCCTCTCCCCCTCCCCACCTATCGTC**ATG**ACGGCCTCTCCGGATTACTTGGTGGTGC
TTTTTGGGATCACTGCTGGGGCCACCGGGGCCAAGCTAGGCTCGGATGAGAAGGAGTTGA
TCCTGCTGTTCTGGAAAGTCGTGGATCTGGCCAACAAGAGGTATTTCTCCACATTTTCGT
CTAAATGCAAGGAATGGGGCAAGAAGTTTGTGGTAGAGGTTTGGGCGGGGAGGGGGGTG
GAGGTAAGTAAATAAGTGCTCTTGTGTTGCCACTTGTGAGTCTGGACCCGAGGCCTAGGG
AAGCTAGAGTAAAACCAAACTTATTGGCCAACCTGCCTTGGAGCCATTTCAGTCCTCCGCA
ACTTAG**CTCAGGTGGAG**AGGCCGGCGCTACCGAGCCGGGTCTTTGCCCGTCGGGGGAC
GCTCCGCCGAGACGAGGTGGGGTCTCGGAAGGCCCGGGGTCCACTTCCAGGGCTTTTCCG

ACCTATCGGGTGGGGGGTGGGGCGGGGGGCAGGAACGCACCGGAACCGATGGCGAGTCG
AGAGCTTTGATTCTGCGTCCGGACCCCAAGAGAGGCGCGG

RAB25

E box: conservation in 4 species (human, macaque, dog, mouse)

AGTTGGGGGACCGGCCCTCACCACAGATTCCAGAAGCCCAGCAATGCACACTCAGCCCTC
AGTGGGCTGTCTCTGAAGGTCCTGTCCCTTTTCGCTTCCCCCCCCGCTGGAGCTGCTTCTCC
CGCTTGCGGGAGCCCAGGCTGAGAGCAGACACCCAACCTGTCGAACCTGTCTGACGTCAT
CATCTCTCCACCACCTGGCCCCAGGTCTCCAGCCACCCCGCTCTTCCTGTTCTCAGCTT
CCGTCCTCTCTGCTTCCTTACAGCACCCCCACCTGCCAGAGCTGATCCTCCCTAGGCCCTG
CCTAACCTTGAGTTGGCCCCCAATCCCTCTGGCTGCAGAAGTCCCCTTACCCCAATGAGA
GGAGGGGCAGGACCAGATCTTTTGAGAGCTGAGGGTTGAGGGCATTGAGCCAACACACA
GATTTGTCGCCTCTGTCCCCGAAGACACCTGCACCCTCCATGCGGAGCCAAGATGGGGAA
TGGAAGTGAAGGAAGATTATAACTTTGTCTTCAAGGGTGAGTTGGGTTCCTGAAGCAAGA
GGAAGCCTGAGAGACCCAGAAAGAGATTGAATAGAGCCAGAGAGGGCCCCCTCCTGTTT
TTTTATCTCTTACCAAGACCTCCTGGGGCTCCTCATTCCTTCAGAAAGAAAGCTGCAGGGA
GTGGGGGAGGGTCTGGTTGCAGGGGCAAAAGTCAGGGAGCTTCTGAGTATGCTCTACTGT
GGTAAATAATGATGTTGATTCTCCTTAAGAGTGCTGAGTTAGGCTCCTCTGCCCCGTTCC
TAATAGAAACCCAAATCCCTGGTGTGAGCCAGTGCAGCACAAGAGATGGAGGTCAGACTT
CAGAA

ST14-pr

E box: conservation in 2 species (human, macaque)

Human (hg18) chr11:129534300-129535100

GGAATCCAGGGAAAGGGGGCATTTGAGGAAGCATCAGATGCTGCAAGTGGGCGAGGGGC
GTTGGGATGGCTCAGAGGGCATCTGGTGGCACAGCTCATGTCACTGGGCCTCCCCAGGGT
AGCCGGGCGCAGGCCAGCAAGCGCCTCCCGCCTGGAGAACAGGAGGCTGCGTAGCCGAC
GGGGAGCCTGGGCCAGGGGCGGTTCTGGTTTCTGTTTGGTTTTGGGGGGTTTATAAATGC
GATTTAGTCCTGTAGCAAAGTGAAGCAAGGTGAAGGGGAGAGACCGGAGGCGCATGAGGG
AGGAGGGGAAAAGATGGTTGGCATCAAGGAGGTGGATAAAGGGCTGCCCTCCCGGGGCAG
GGCCCCCTGGAGGGCCGGAGGGGTGGTGAACGCCGTCGTGGTGATGGTGAGGGCCTTAGC
GACCACCACCCGAGTGAGGCCCCTCACCTTCAAGGCCAGAGCCGAGGGGAGGAGCCTC
CCCCAgggcgggcgggggcgggcgagtgagccgggcaggtgcgcaggcgagcgcgggcgggctgggcgggcCGAGGCCACA
CCCTGAAACTACCTGCGTGGGCCGGGCCGAGTGTGAGAGCGGAGCTGCAGCCGGAGAA
AGAGGAAGAGGGAGAGAGAGCGCGCCAGGGCGAGGGCACCGCCGCCGTCGGGCGCGC
TGGGCCTGCCCCGGAATccccgcgcctgcgccccgcgccccgcgcctgcgggcccATGGGAGCCGGCCGCGG
CAGGGACGACGCCTGTGAGACCCGCGAGCGGCCTCGGGGACCATGGGAGCGATCGGG

[illegible]

AACTAATGACTATGGTGGGTGTGAATTAACCCACCCTGGAGTCTCCTCAATAGCAAAAGG
TCAGCTCCCTGACTACTGCCTTTCCATCAAGACTTTCACGCTCAAATTAGCAGCTATTGCC
ATCATAATGTAAC AATCACCTGACA TGTAGATGTCTAATTAAGGCACCATAAGTCACAGG
TTACAAATTTGAAAACAGCAATAGCAACAATAAAAAAATCCCTTACAAATCTGTGGGGGA
TTTGATAGGGTACATATGCATGTGAATGAAGGCAA