

Fig. S5: Scan result of the binding sites of transcription factor human SNAI2

(A) JASPAR Scan Result:

Matrix ID	Name	Score	Relative score	Start - End	Predicted seq.
MA0745.2	SNAI2:	6.85991;	0.828755464039;	115 - 127	<u>agccacgtgtcag</u>
MA0745.2	SNAI2:	9.85911;	0.878486751334;	635 - 647	<u>tgccacctgccc</u>

(B) Human IGFBP2 promoter sequence; (so far 696 bps)

caggtttgaaaactgcaatagtcactaagaccattcggggctggttgggtctagcttggtctagacgggtctga
aactccgcaggaccacccaacaagaagtcattgttcca**agccacgtgtcag**tggtgggtgatacccag
gatggaaggagttggtatgagccgactgaaatctactgaaggtcaaaacggagccttatgtctttgtgttccc
agcggtagcccagtgccggccacaggggaagcgcgcaaacgaagtcctcggaactgaactgagagca
gacaaaagcacgcgctcttctccaccgccacgccgtcctacccaaaccgcgagttatccgtattctcttca
ggagtcatagtcaggccagaagagtgccggagggacggggcccgggaagagcaggggaacccccagagc
ccgcagccaacgcggaggtgggcgagcgggcgtgcgcgactcacttgccggcgcgagggagtgctggg
ggggaagggagtggtctccaaaagggggaggggagaaggcagggggcggggagaagccggcccttta
ggaccggctgcggcggcgagggaggaggaagaagcggagggcggctcccgcgctcgcagggccc
tgccacctgccccccgcccgctcgcctcgcctcgcggcccgcgcccgcgctgccgaccgccagc
ATG CTG CCG AGA GTG GGC -----

Based on the retrieved genomic DNA sequence of Human IGFBP2 from NCBI database: Gene ID: 3485, <https://www.ncbi.nlm.nih.gov/gene/3485>

→ Two possible binding sites of human SNAIL2 in the promoter region of human IGFBP2 gene (**bold and underlined sequences**)