

# Nucleotide sequence of a putative transcription factor recognizing the thyroglobulin promoter

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The cDNA for a putative transcription factor was isolated from a dog thyroid cDNA expression library (1). Screening of the library with a double-stranded DNA fragment of the bovine thyroglobulin promoter, extending from -126 to -107 bp from the transcription start site (2) identified a phage harboring a 1100 bp insert. The specificity of the binding of the recombinant protein to the thyroglobulin promoter sequence was assayed in competition experiments involving unrelated fragments. A complete clone was obtained by rescreening the library with the

1100 bp insert. The full-length sequence is 2264 bp long and displays an open-reading frame of 1713 bp preceded by a short coding region (216 bp).

## REFERENCES

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1 CGCAGTGCCGGATGTGAATGGATTACAATGTATCTTTCAGGGAAACCTATTATTCAATGTGACTCCACGGGGGAGTCAATGGTGATG
91 ATGAGGAGGAGGAGGAGGATGATGATGATGAGACACCTCTAAACTTGGAAACAAGTTAAGACTTTATAAGAGGAGAAGAAAAAAG
181 CCACCAACAAGATTTGTTGAGGAAAGATCTAACTATCTGTATTGATATATTTTTTTTTTAGAAACAATAAGAAAAAGTTGTTG
271 GAATTTTTTTTTTTTTTAATGGTTCTTTTTGGGGGAGGGGATTTGTTGCAGTTGATGGTGGAAAAATGCAAAAACCAGAGCCAGGT
361 GCATAATCTTGTATCTGTGGATATCCCTGGAGCAGAAGTACCAGTTAAAATACTTTTTGGGGGATACACATGTGAGATACTAAG
451 TACTTGCAAGAAGATTTTTGCTTTCTTTTTAAAGTCACCTTCCCTTGGAAATTTGTGAGCATAATTTGGCCATTTAAGATGTTTTCCACC
541 TCCTGTGAGCAGTGGGAAAAATGGACCAACTTCTTTGGCGAGTGGACATTTCACTGGCTCAAATGTAGAAGACAGAAGTAGCTCAGGGTC
631 CTGGGGGAACGGAGGACATCCAAGCCCTCCAGGAAGTATGGAGATGGGACTCCCTATGACCACATGACCAAGCAAGGACCTTGGGTACA
721 TGACAATCTCTCCACCTTTTGTCAATCCAGAATAACAAGTAAACAGAAAGGGGCTCATACTCATTTATGGAGAGAATCAAACCTT
811 ACAGGGTTGCCACCAGAGTCTCCTTGGAGGTGACATGGATATGGGCACCCAGGAACCTGTCCGCCACCAACCTGGCTCCAGTATTA
901 CCAGTATCTAGCAATAACCCCGAAGGAGGCTCTTACAGTAGTGTATGGAGGTGCAGACAAAGAAAGTTCGAAAAGTTCCTCCAGG
991 TTTGCCATCTCAGTTTATGCTCCATCAGCAAGCACTGCCACTACAATAGGGACTGCCAGGCTACCTTCTCCGAAACCAAGCAGCCAG
1081 CACTTCCCTAGCTCCTTCTCATGCAAGGATGGCCATCAGCAGTGACCCTTGGAGCTCCTCCAGTGGGATGAATCAGCCGTGGCTACGG
1171 AGGAATGTTGGGAGTCTTCTCATATTTCCAGTCTAGCAGTACTGTAGCCTGCATCCACAGAACGCTTGAGCTATCCATCACAATC
1261 CTCAGCAGACATCAATCCAGTCTTCTCCGATGCCACTTCCACCGTAGTGGCACAACCATFACAGCACCTCTTCTGTACACCTCC
1351 TGCCAACGGGACAGACAGTATAATGGCAATAGAGGAAGCGGGGACAGGCAGCTCCAGACTGGAGATGCTCTGGGAAAGCACTTGC
1441 TTGATCTATTTCCAGATCACACTAACACAGCTTTTCAACCCCTTCAACTCCTGTGGCTCTCTCTCTCAGCAGGCAC
1531 AGCTGTTGGTCTAGAAACGGAGGACAGGCTCATCATCTCCTAATTATGAAGGACCCCTACACTCTTTGCAAGCCGAATGAAGATCG
1621 CTTAGAAAGACTGGATGATGCTATTCAGTTCCTCCGAAATCATGAGTGGGCCATCCACAGCTATGCCGGTGGTATGGGACATGCA
1711 TGGAAATCATTGGACCTTCTCATAATGGAGCGATGGGTGGTCTGGGCTCAGGGTATGGAACCGGCTTCTTTTCAAGCAACAGACATTCAC
1801 CATGGTGGGGCCATCGGAAGACGGCTGGCCCTGGGAGGACGCACTCCCTCGTGCCCAACCAAGTCCCGGTGCCACAGCTTCCCGT
1891 GCAGTCTGCGACGTCCTGACCTGAACCCACCCAGGACCTTACAGAGGATGCCACCGGATGGCAGGGCCAGAGCGTCTCCTCCGG
1981 CAGCTCGAGATCAAATCCGACGACGAAGCGATGAGAACCAGCAAGACGAAATCTCCGAGGACAAGAAGTTAGATGACGACAAGAA
2071 GGATATCAAATCGATTACTAGCAATAACGATGACGAGGACCTGACCCCGAGCAGAAGCGGAGCGGAGAAGGAGCGGAGGATGGCCAA
2161 CAACGCCCGGAGCGCTGCTCCGCGACATCAACGAGGCTTTCAAGGAGCTCGCCGATGGTGCAGCTCCACCTCAAGAGTGACAAGC
2251 CCCAGACCAAGCTCCTGATCTCCACAGGCGGTGGCCGTCATCTCAGCTGGAGCAGCAAGTTCGAGAAAAGGAATCTGAATCCGAAAG
2341 CCGCGTGTGAAAAGAAGGGAGGAAAGAGAAGGTGCTCAGAGCCTCCCGGCTCTCCTTGGCGGGCCGCACTTGGAAATGGAGATG
2431 CGTCAAACCATAGGACAGATGAAAAGGGTCCAAGCTGCCACATGCTTCAATTAACAAGAGACCCTTCTTAACAGCTGATTAT
2521 CTTAAACCCACATAAACACTTCTCCTCACCCCTTTTTTGTAAATAAGACAAGTCTGAGTAGTTATGAATCGCAGACCGCAAGAGGTTT
2611 CAGCATTCCAATTATCAAAAACCGAAAAACACACAAAAAAGAAAAA
    
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