

Human GCTGTTTATC TCTGAGTCAC ATCAGCACCA ..AGCCACAG CAGC.CACCT GGCCTAGCTC 60
Bovine -----A-A-----T-TA- GC--A-----CA-A-----C-----A-
Murine -----G-A-----T-----TG-----A-----A-----

Human CATCTCTTAC AGTCACAACA GGATGTGGTT TGACATTTC TGGGTCTGCG ATCTGGCGGTG 120
Bovine TG-C-GGGG -C-----C-----CA-----C-----
Murine -----CAGG -C-----C-----CA-----A-----

Human CCTGTGAAGG TTGCTCCCTC CACCCACCCA CCTTCAGAGC ATCATGAGAA CCACACTCAC 180
Bovine -----CC-----T-----T-----CC-AC-----G-T-----
Murine -----T-----T-----T-----G-----T-----G-----TG-----

Human CGCATCCGG 189
Bovine =A-----T-----
Murine =A-----T-----

Murine
Bovine

GGGCGGATAC AAGAGGGAAT CCAGCCOCTT CAGCAAAGAT CATTTCATGC ACACCCAGCG 60
A-A-A-CCTA C-----CGC GATC---GGGC --A-C-GCCC TGACA---A- G-G-A----T
#

Murine
Bovine

CCAAGAAA-- AAAGAACATT CAAAAGAAGA ACAGGGCGTA AAGAGGAAAC CCTGCAATTA 120
-CG--G-TCC G-GA-CGCCC TG--CA--C G-C-A--G G-G---G-G- --C-GCC-T

Murine
Bovine

GCTCGCATCT TACCACC ACCTTCACA ATGGGGCTCG GGGGGG..GA 180
-TCT-T-C-C GCCACACACC CCCC---C- G-ACC-TT- -CAC-CAC-C A-A-T.CT--

Murine
Bovine

TGTCACCTTC CTTATCTTCA ACTCCOCCOC AGAGGAGCAG CTTATCTTGGT GGTTTCTTCC 240
-----,.- -CCG-C-C- -A-GT-T-... -G-GCA -C-CT----- -A-C-C-C-
* *

12bpRS

Murine
Bovine

AG.....CC CTCAAGGGGT AGACCTATGG GAGGGTCCTT TTTTGTATAA AGCTGTAAAC 300
--ACTCCCT- TC-G----- G-G-C----- -G----- -T----- -----G

▲ ◇

TRBD1 23bpRS

Murine
Bovine

TTGTGGGGAC AG.GGGGCCA CGGTGATTCA ATTCTATGGG AAGCCTTTAC AAAAACC 357
----- -CA----- -CC----- -T-----

Bovine

bits

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

5'

3'

Human

bits

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

5'

3'

Murine

bits

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

5'

3'

- * - GATA binding site
- † - cAMP responsive element (CRE)
- ‡ - κE2 motif
- ◆ - ETS domain protein binding site
- - Core binding factor site
- # - Sp-1 binding site
- ▲ - Ikaros/Lyf-1 binding site
- ◇ - TATA box
- - AP-1 binding site