

Supplementary Table S9. The prediction of the transcription factors of NOX4.

seqname	source	feature	start	end	score	strand	frame	attributes
NOX4 NM_001300995	TFBS	TFBS	1055	1060	1	+	.	TF=ZNF354C;class=C2H2 zinc finger factors;sequence=ATCACAC
NOX4 NM_001300995	TFBS	TFBS	221	226	1	-	.	TF=ZNF354C;class=C2H2 zinc finger factors;sequence=ATCACAC
NOX4 NM_001300995	TFBS	TFBS	746	753	1	+	.	TF=SHOX;class=Homeodomain factors;sequence=TTAATTGG
NOX4 NM_001300995	TFBS	TFBS	1718	1725	1	+	.	TF=SHOX;class=Homeodomain factors;sequence=TTAATTGG
NOX4 NM_001300995	TFBS	TFBS	746	753	1	-	.	TF=MSX2;class=Homeodomain factors;sequence=CCATTAA
NOX4 NM_001300995	TFBS	TFBS	1718	1725	1	-	.	TF=MSX2;class=Homeodomain factors;sequence=CCATTAA
NOX4 NM_001300995	TFBS	TFBS	746	753	1	-	.	TF=RAX2;class=Homeodomain factors;sequence=CCATTAA
NOX4 NM_001300995	TFBS	TFBS	1718	1725	1	-	.	TF=RAX2;class=Homeodomain factors;sequence=CCATTAA
NOX4 NM_001300995	TFBS	TFBS	2138	2145	1	-	.	TF=MGA;class=T-Box factors;sequence=AGGTGTGA
NOX4 NM_001300995	TFBS	TFBS	2138	2145	1	-	.	TF=TBX15;class=T-Box factors;sequence=AGGTGTGA
NOX4 NM_001300995	TFBS	TFBS	2138	2145	1	-	.	TF=TBX1;class=T-Box factors;sequence=AGGTGTGA

NOX4 NM_001300995	TFB S	TFBS	213 8	21 45	1	-	.	TF=TBX4;class=T-Box factors;sequence=AGG TGTGA
NOX4 NM_001300995	TFB S	TFBS	213 8	21 45	1	-	.	TF=TBX5;class=T-Box factors;sequence=AGG TGTGA
NOX4 NM_001300995	TFB S	TFBS	746	75 3	1	-	.	TF=BSX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001300995	TFB S	TFBS	171 8	17 25	1	-	.	TF=BSX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001300995	TFB S	TFBS	147	15 4	1	+	.	TF=HOXC4;class=Homeo domain factors;sequence=GTC ATTAA
NOX4 NM_001300995	TFB S	TFBS	229 4	23 09	1	-	.	TF=ZNF460;class=C2H2 zinc finger factors;sequence=GCC TCAGCCTCCCGAG
NOX4 NM_001143837	TFB S	TFBS	198	20 3	1	+	.	TF=ZNF354C;class=C2H2 zinc finger factors;sequence=ATC CAC
NOX4 NM_001143837	TFB S	TFBS	416	42 1	1	-	.	TF=ZNF354C;class=C2H2 zinc finger factors;sequence=ATC CAC
NOX4 NM_001143837	TFB S	TFBS	115 7	11 62	1	-	.	TF=ZNF354C;class=C2H2 zinc finger factors;sequence=ATC CAC
NOX4 NM_001143837	TFB S	TFBS	117 3	11 79	1	+	.	TF=NFATC2;class=Rel homology region (RHR) factors;sequence=TTT TCCA
NOX4 NM_001143837	TFB S	TFBS	117 4	11 84	1	+	.	TF=STAT1;class=STAT domain factors;sequence=TTT CCAGGAAA
NOX4 NM_001143837	TFB S	TFBS	509	51 7	1	+	.	TF=PITX3;class=Homeo domain

								factors;sequence=CTT AATCCC TF=VSX1;class=Homeo domain
NOX4 NM_00 1143837	TFB S	TFBS	131 6	13 23	1	-	.	factors;sequence=CTA ATTAT TF=MEIS1;class=Homeo domain
NOX4 NM_00 1143837	TFB S	TFBS	344	35 0	1	+	.	factors;sequence=TTG ACAG TF=MGA;class=T-Box
NOX4 NM_00 1143837	TFB S	TFBS	213 8	21 45	1	-	.	factors;sequence=AGG TGTGA TF=TBX15;class=T-Box
NOX4 NM_00 1143837	TFB S	TFBS	213 8	21 45	1	-	.	factors;sequence=AGG TGTGA TF=TBX1;class=T-Box
NOX4 NM_00 1143837	TFB S	TFBS	213 8	21 45	1	-	.	factors;sequence=AGG TGTGA TF=TBX4;class=T-Box
NOX4 NM_00 1143837	TFB S	TFBS	213 8	21 45	1	-	.	factors;sequence=AGG TGTGA TF=TBX5;class=T-Box
NOX4 NM_00 1143837	TFB S	TFBS	213 8	21 45	1	-	.	factors;sequence=AGG TGTGA TF=ZNF384;class=C2H2
NOX4 NM_00 1143837	TFB S	TFBS	736	74 7	1	+	.	zinc finger factors;sequence=TTT AAAAAAAAA TF=NKX6-3;class=Home
NOX4 NM_00 1143837	TFB S	TFBS	716	72 4	1	+	.	o domain factors;sequence=CTC ATTAAA TF=ZNF460;class=C2H2
NOX4 NM_00 1143837	TFB S	TFBS	229 4	23 09	1	-	.	zinc finger factors;sequence=GCC TCAGCCTCCCGAG TF=PRDM1;class=C2H2
NOX4 NM_00 1143837	TFB S	TFBS	383	39 3	1	-	.	zinc finger factors;sequence=TTC TTTCTCTT TF=SHOX;class=Homeo
NOX4 NM_00 1291929	TFB S	TFBS	259	26 6	1	+	.	domain factors;sequence=TTA

NOX4 NM_001291929	TFBS	TFBS	259	26	1	-	.	ATTGG TF=MSX2;class=Homeo domain factors;sequence=CCAATTAA
NOX4 NM_001291929	TFBS	TFBS	259	26	1	-	.	TF=RAX2;class=Homeo domain factors;sequence=CCAATTAA
NOX4 NM_001291929	TFBS	TFBS	213	21	1	-	.	TF=MGA;class=T-Box factors;sequence=AGGTGTGA
NOX4 NM_001291929	TFBS	TFBS	213	21	1	-	.	TF=TBX15;class=T-Box factors;sequence=AGGTGTGA
NOX4 NM_001291929	TFBS	TFBS	213	21	1	-	.	TF=TBX1;class=T-Box factors;sequence=AGGTGTGA
NOX4 NM_001291929	TFBS	TFBS	213	21	1	-	.	TF=TBX4;class=T-Box factors;sequence=AGGTGTGA
NOX4 NM_001291929	TFBS	TFBS	213	21	1	-	.	TF=TBX5;class=T-Box factors;sequence=AGGTGTGA
NOX4 NM_001291929	TFBS	TFBS	259	26	1	-	.	TF=BSX;class=Homeo domain factors;sequence=CCAATTAA
NOX4 NM_001291929	TFBS	TFBS	191	19	1	+	.	TF=HOXC4;class=Homeo domain factors;sequence=GTCATTAA
NOX4 NM_001291929	TFBS	TFBS	946	95	1	+	.	TF=NR1I3;class=Nuclear receptors with C4 zinc fingers;sequence=ATGAACTTT
NOX4 NM_001291929	TFBS	TFBS	181	18	1	+	.	TF=NR2C2(var.2);class=Nuclear receptors with C4 zinc fingers;sequence=GAGGTCAT
NOX4 NM_001291929	TFBS	TFBS	229	23	1	-	.	TF=ZNF460;class=C2H2 zinc finger

NOX4 NM_001291929	TFBS	TFBS	1870	1879	1	-	.	factors;sequence=GCC TCAGCCTCCCGAG TF=SOX4;class=High-mobility group (HMG) domain factors;sequence=GAA CAAAGGG
NOX4 NM_001291927	TFBS	TFBS	477	484	1	+	.	TF=SHOX;class=Homeo domain factors;sequence=TTA ATTGG
NOX4 NM_001291927	TFBS	TFBS	477	484	1	-	.	TF=MSX2;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001291927	TFBS	TFBS	477	484	1	-	.	TF=RAX2;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001291927	TFBS	TFBS	2138	2145	1	-	.	TF=MGA;class=T-Box factors;sequence=AGG TGTGA
NOX4 NM_001291927	TFBS	TFBS	2138	2145	1	-	.	TF=TBX15;class=T-Box factors;sequence=AGG TGTGA
NOX4 NM_001291927	TFBS	TFBS	2138	2145	1	-	.	TF=TBX1;class=T-Box factors;sequence=AGG TGTGA
NOX4 NM_001291927	TFBS	TFBS	2138	2145	1	-	.	TF=TBX4;class=T-Box factors;sequence=AGG TGTGA
NOX4 NM_001291927	TFBS	TFBS	2138	2145	1	-	.	TF=TBX5;class=T-Box factors;sequence=AGG TGTGA
NOX4 NM_001291927	TFBS	TFBS	477	484	1	-	.	TF=BSX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001291927	TFBS	TFBS	1164	1172	1	+	.	TF=NR1I3;class=Nuclear receptors with C4 zinc fingers;sequence=ATG AACTTT
NOX4 NM_001291927	TFBS	TFBS	229	23	1	-	.	TF=ZNF460;class=C2H2

1291927	S		4	09				zinc finger factors;sequence=GCC TCAGCCTCCCGAG TF=ZNF354C;class=C2H
NOX4 NM_00 1291926	TFB S	TFBS	211	21 6	1	+	.	2 zinc finger factors;sequence=ATC CAC TF=SHOX;class=Homeo domain
NOX4 NM_00 1291926	TFB S	TFBS	874	88 1	1	+	.	factors;sequence=TTA ATTGG TF=MSX2;class=Homeo domain
NOX4 NM_00 1291926	TFB S	TFBS	874	88 1	1	-	.	factors;sequence=CCA ATTAA TF=RAX2;class=Homeo domain
NOX4 NM_00 1291926	TFB S	TFBS	874	88 1	1	-	.	factors;sequence=CCA ATTAA TF=MGA;class=T-Box
NOX4 NM_00 1291926	TFB S	TFBS	213 8	21 45	1	-	.	factors;sequence=AGG TGTGA TF=TBX15;class=T-Box
NOX4 NM_00 1291926	TFB S	TFBS	213 8	21 45	1	-	.	factors;sequence=AGG TGTGA TF=TBX1;class=T-Box
NOX4 NM_00 1291926	TFB S	TFBS	213 8	21 45	1	-	.	factors;sequence=AGG TGTGA TF=TBX4;class=T-Box
NOX4 NM_00 1291926	TFB S	TFBS	213 8	21 45	1	-	.	factors;sequence=AGG TGTGA TF=TBX5;class=T-Box
NOX4 NM_00 1291926	TFB S	TFBS	213 8	21 45	1	-	.	factors;sequence=AGG TGTGA TF=BSX;class=Homeo domain
NOX4 NM_00 1291926	TFB S	TFBS	874	88 1	1	-	.	factors;sequence=CCA ATTAA TF=NR1I3;class=Nucle ar receptors with C4
NOX4 NM_00 1291926	TFB S	TFBS	156 1	15 69	1	+	.	zinc fingers;sequence=ATG AACTTT
NOX4 NM_00	TFB	TFBS	229	23	1	-	.	TF=ZNF460;class=C2H2

1291926	S		4	09					zinc finger factors;sequence=GCC TCAGCCTCCCGAG TF=ZNF354C;class=C2H
NOX4 NM_01 6931	TFB S	TFBS	211	21 6	1	+	.		2 zinc finger factors;sequence=ATC CAC TF=SHOX;class=Homeo domain factors;sequence=TTA ATTGG TF=MSX2;class=Homeo domain factors;sequence=CCA ATTAA TF=RAX2;class=Homeo domain factors;sequence=CCA ATTAA TF=MGA;class=T-Box factors;sequence=AGG TGTGA TF=TBX15;class=T-Box factors;sequence=AGG TGTGA TF=TBX1;class=T-Box factors;sequence=AGG TGTGA TF=TBX4;class=T-Box factors;sequence=AGG TGTGA TF=TBX5;class=T-Box factors;sequence=AGG TGTGA TF=BSX;class=Homeo domain factors;sequence=CCA ATTAA TF=NR1I3;class=Nucle ar receptors with C4 zinc fingers;sequence=ATG AACTTT TF=ZNF460;class=C2H2
NOX4 NM_01 6931	TFB S	TFBS	874	88 1	1	+	.		
NOX4 NM_01 6931	TFB S	TFBS	874	88 1	1	-	.		
NOX4 NM_01 6931	TFB S	TFBS	874	88 1	1	-	.		
NOX4 NM_01 6931	TFB S	TFBS	213 8	21 45	1	-	.		
NOX4 NM_01 6931	TFB S	TFBS	213 8	21 45	1	-	.		
NOX4 NM_01 6931	TFB S	TFBS	213 8	21 45	1	-	.		
NOX4 NM_01 6931	TFB S	TFBS	213 8	21 45	1	-	.		
NOX4 NM_01 6931	TFB S	TFBS	213 8	21 45	1	-	.		
NOX4 NM_01 6931	TFB S	TFBS	874	88 1	1	-	.		
NOX4 NM_01 6931	TFB S	TFBS	156 1	15 69	1	+	.		
NOX4 NM_01	TFB	TFBS	229	23	1	-	.		

6931	S		4	09				zinc finger factors;sequence=GCC TCAGCCTCCCGAG TF=ZNF354C;class=C2H
NOX4 NM_00 1143836	TFB S	TFBS	211	21 6	1	+	.	2 zinc finger factors;sequence=ATC CAC TF=SHOX;class=Homeo domain
NOX4 NM_00 1143836	TFB S	TFBS	874	88 1	1	+	.	factors;sequence=TTA ATTGG TF=MSX2;class=Homeo domain
NOX4 NM_00 1143836	TFB S	TFBS	874	88 1	1	-	.	factors;sequence=CCA ATTAA TF=RAX2;class=Homeo domain
NOX4 NM_00 1143836	TFB S	TFBS	874	88 1	1	-	.	factors;sequence=CCA ATTAA TF=MGA;class=T-Box
NOX4 NM_00 1143836	TFB S	TFBS	213 8	21 45	1	-	.	factors;sequence=AGG TGTGA TF=TBX15;class=T-Box
NOX4 NM_00 1143836	TFB S	TFBS	213 8	21 45	1	-	.	factors;sequence=AGG TGTGA TF=TBX1;class=T-Box
NOX4 NM_00 1143836	TFB S	TFBS	213 8	21 45	1	-	.	factors;sequence=AGG TGTGA TF=TBX4;class=T-Box
NOX4 NM_00 1143836	TFB S	TFBS	213 8	21 45	1	-	.	factors;sequence=AGG TGTGA TF=TBX5;class=T-Box
NOX4 NM_00 1143836	TFB S	TFBS	213 8	21 45	1	-	.	factors;sequence=AGG TGTGA TF=BSX;class=Homeo domain
NOX4 NM_00 1143836	TFB S	TFBS	874	88 1	1	-	.	factors;sequence=CCA ATTAA TF=NR1I3;class=Nucle ar receptors with C4
NOX4 NM_00 1143836	TFB S	TFBS	156 1	15 69	1	+	.	zinc fingers;sequence=ATG AACTTT
NOX4 NM_00	TFB	TFBS	229	23	1	-	.	TF=ZNF460;class=C2H2

1143836	S		4	09					zinc finger factors;sequence=GCC TCAGCCTCCCGAG TF=ZNF354C;class=C2H
NOX4 NR_12 0406	TFB S	TFBS	211	21 6	1	+	.		2 zinc finger factors;sequence=ATC CAC TF=NFATC2;class=Rel
NOX4 NR_12 0406	TFB S	TFBS	243 7	24 43	1	-	.		homology region (RHR) factors;sequence=TTT TCCA TF=SHOX;class=Homeo
NOX4 NR_12 0406	TFB S	TFBS	874	88 1	1	+	.		domain factors;sequence=TTA ATTGG TF=MSX2;class=Homeo
NOX4 NR_12 0406	TFB S	TFBS	874	88 1	1	-	.		domain factors;sequence=CCA ATTAA TF=RAX2;class=Homeo
NOX4 NR_12 0406	TFB S	TFBS	874	88 1	1	-	.		domain factors;sequence=CCA ATTAA TF=BSX;class=Homeo
NOX4 NR_12 0406	TFB S	TFBS	874	88 1	1	-	.		domain factors;sequence=CCA ATTAA TF=NR1I3;class=Nucle
NOX4 NR_12 0406	TFB S	TFBS	156 1	15 69	1	+	.		ar receptors with C4 zinc fingers;sequence=ATG AACTTT TF=NKX6-3;class=Home
NOX4 NM_00 1300995	TFB S	TFBS	147	15 5	0.99995 4273	+	.		o domain factors;sequence=GTC ATTAAA TF=RHOF1;class=Home
NOX4 NM_00 1143837	TFB S	TFBS	510	51 7	0.99985 2312	+	.		o domain factors;sequence=TTA ATCCC TF=HOXC4;class=Homeo
NOX4 NM_00 1300995	TFB S	TFBS	169 7	17 04	0.99956 5985	+	.		domain factors;sequence=ATC ATTAA

NOX4 NM_001291929	TFB S	TFBS	238	24 5	0.99956 5985	+	.	TF=HOXC4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_001291927	TFB S	TFBS	456	46 3	0.99956 5985	+	.	TF=HOXC4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_001291926	TFB S	TFBS	853	86 0	0.99956 5985	+	.	TF=HOXC4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_016931	TFB S	TFBS	853	86 0	0.99956 5985	+	.	TF=HOXC4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_001143836	TFB S	TFBS	853	86 0	0.99956 5985	+	.	TF=HOXC4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NR_120406	TFB S	TFBS	853	86 0	0.99956 5985	+	.	TF=HOXC4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_001300995	TFB S	TFBS	169 7	17 04	0.99933 1142	+	.	TF=HOXD4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_001291929	TFB S	TFBS	238	24 5	0.99933 1142	+	.	TF=HOXD4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_001291927	TFB S	TFBS	456	46 3	0.99933 1142	+	.	TF=HOXD4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_001291926	TFB S	TFBS	853	86 0	0.99933 1142	+	.	TF=HOXD4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_016931	TFB S	TFBS	853	86 0	0.99933 1142	+	.	TF=HOXD4;class=Homeo domain factors;sequence=ATC ATTAA

NOX4 NM_001143836	TFB S	TFBS	853	86 0	0.99933 1142	+	·	TF=HOXD4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NR_120406	TFB S	TFBS	853	86 0	0.99933 1142	+	·	TF=HOXD4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_001300995	TFB S	TFBS	1	7	0.99912 7731	-	·	TF=MEIS1;class=Homeo domain factors;sequence=ATG ACAG
NOX4 NM_001300995	TFB S	TFBS	169 7	17 04	0.99905 3421	+	·	TF=HOXB4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_001291929	TFB S	TFBS	238	24 5	0.99905 3421	+	·	TF=HOXB4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_001291927	TFB S	TFBS	456	46 3	0.99905 3421	+	·	TF=HOXB4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_001291926	TFB S	TFBS	853	86 0	0.99905 3421	+	·	TF=HOXB4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_0016931	TFB S	TFBS	853	86 0	0.99905 3421	+	·	TF=HOXB4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_001143836	TFB S	TFBS	853	86 0	0.99905 3421	+	·	TF=HOXB4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NR_120406	TFB S	TFBS	853	86 0	0.99905 3421	+	·	TF=HOXB4;class=Homeo domain factors;sequence=ATC ATTAA
NOX4 NM_001300995	TFB S	TFBS	746	75 3	0.99895 0001	-	·	TF=ISX;class=Homeo domain factors;sequence=CCA ATTAA

NOX4 NM_001300995	TFB S	TFBS	171 8	17 25	0.99895 0001	-	.	TF=ISX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001291929	TFB S	TFBS	259	26 6	0.99895 0001	-	.	TF=ISX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001291927	TFB S	TFBS	477	48 4	0.99895 0001	-	.	TF=ISX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001291926	TFB S	TFBS	874	88 1	0.99895 0001	-	.	TF=ISX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_016931	TFB S	TFBS	874	88 1	0.99895 0001	-	.	TF=ISX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001143836	TFB S	TFBS	874	88 1	0.99895 0001	-	.	TF=ISX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NR_120406	TFB S	TFBS	874	88 1	0.99895 0001	-	.	TF=ISX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001143837	TFB S	TFBS	115 8	11 65	0.99894 6347	-	.	TF=RHOF1;class=Homeo domain factors;sequence=ATA ATCCA
NOX4 NM_001143837	TFB S	TFBS	135 0	13 57	0.99893 1566	+	.	TF=NR2C2(var.2);clas s=Nuclear receptors with C4 zinc fingers;sequence=GAG GTCAC
NOX4 NM_001300995	TFB S	TFBS	147	15 4	0.99888 8511	+	.	TF=HOXD4;class=Homeo domain factors;sequence=GTC ATTAA
NOX4 NM_001291929	TFB S	TFBS	191 9	19 26	0.99888 8511	+	.	TF=HOXD4;class=Homeo domain factors;sequence=GTC

NOX4 NM_001143837	TFB S	TFBS	510	51 7	0.99822 7995	+	·	ATTAA TF=PITX2;class=Homeo domain factors;sequence=TTA ATCCC
NOX4 NM_001143837	TFB S	TFBS	134 9	13 57	0.99818 8349	+	·	TF=NR2C1;class=Nucle ar receptors with C4 zinc fingers;sequence=AGA GGTCAC
NOX4 NM_001300995	TFB S	TFBS	147	15 4	0.99810 6843	+	·	TF=HOXB4;class=Homeo domain factors;sequence=GTC ATTAA
NOX4 NM_001291929	TFB S	TFBS	191 9	19 26	0.99810 6843	+	·	TF=HOXB4;class=Homeo domain factors;sequence=GTC ATTAA
NOX4 NM_001143837	TFB S	TFBS	185 2	18 59	0.99785 3614	+	·	TF=TLX2;class=Homeo domain factors;sequence=TCA ATTAG
NOX4 NM_001300995	TFB S	TFBS	746	75 3	0.99735 684	-	·	TF=MSX1;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001300995	TFB S	TFBS	171 8	17 25	0.99735 684	-	·	TF=MSX1;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001291929	TFB S	TFBS	259	26 6	0.99735 684	-	·	TF=MSX1;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001291927	TFB S	TFBS	477	48 4	0.99735 684	-	·	TF=MSX1;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001291926	TFB S	TFBS	874	88 1	0.99735 684	-	·	TF=MSX1;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_016931	TFB S	TFBS	874	88 1	0.99735 684	-	·	TF=MSX1;class=Homeo domain

								factors;sequence=CCA ATTAA TF=MSX1;class=Homeo domain
NOX4 NM_00 1143836	TFB S	TFBS	874	88 1	0.99735 684	-	.	factors;sequence=CCA ATTAA TF=MSX1;class=Homeo domain
NOX4 NR_12 0406	TFB S	TFBS	874	88 1	0.99735 684	-	.	factors;sequence=CCA ATTAA TF=RBPJ;class=Rel homology region (RHR)
NOX4 NM_00 1143837	TFB S	TFBS	149 0	14 99	0.99727 8284	+	.	factors;sequence=CCT GGGAACG TF=HOXD4;class=Homeo domain
NOX4 NM_00 1143837	TFB S	TFBS	131 6	13 23	0.99684 8455	+	.	factors;sequence=ATA ATTAG TF=NR2C2(var.2);clas s=Nuclear receptors with C4 zinc fingers;sequence=AGG GTCAA
NOX4 NM_00 1291929	TFB S	TFBS	139 5	14 02	0.99655 8046	-	.	TF=NR2C2(var.2);clas s=Nuclear receptors with C4 zinc fingers;sequence=AGG GTCAA
NOX4 NM_00 1291927	TFB S	TFBS	161 3	16 20	0.99655 8046	-	.	TF=CREB1;class=Basic leucine zipper factors (bZIP);sequence=TGGT GATGTCATT
NOX4 NM_00 1291929	TFB S	TFBS	191 2	19 24	0.99648 563	+	.	TF=NR2C1;class=Nucle ar receptors with C4 zinc fingers;sequence=AGA GGTCAT
NOX4 NM_00 1300995	TFB S	TFBS	181 5	18 23	0.99639 3595	+	.	TF=FOXL1;class=Fork head / winged helix factors;sequence=ATA AACA
NOX4 NM_00 1300995	TFB S	TFBS	154 3	15 49	0.99630 5873	+	.	TF=FOXL1;class=Fork head / winged helix

								factors;sequence=ATA AACA TF=FOXL1;class=Fork head / winged helix factors;sequence=ATA AACA
NOX4 NM_00 1143837	TFB S	TFBS	289	29 5	0.99630 5873	-	.	TF=FOXL1;class=Fork head / winged helix factors;sequence=ATA AACA
NOX4 NM_00 1291929	TFB S	TFBS	84	90	0.99630 5873	+	.	TF=FOXL1;class=Fork head / winged helix factors;sequence=ATA AACA
NOX4 NM_00 1291927	TFB S	TFBS	302	30 8	0.99630 5873	+	.	TF=FOXL1;class=Fork head / winged helix factors;sequence=ATA AACA
NOX4 NM_00 1291926	TFB S	TFBS	699	70 5	0.99630 5873	+	.	TF=FOXL1;class=Fork head / winged helix factors;sequence=ATA AACA
NOX4 NM_01 6931	TFB S	TFBS	699	70 5	0.99630 5873	+	.	TF=FOXL1;class=Fork head / winged helix factors;sequence=ATA AACA
NOX4 NM_00 1143836	TFB S	TFBS	699	70 5	0.99630 5873	+	.	TF=FOXL1;class=Fork head / winged helix factors;sequence=ATA AACA
NOX4 NR_12 0406	TFB S	TFBS	699	70 5	0.99630 5873	+	.	TF=FOXL1;class=Fork head / winged helix factors;sequence=ATA AACA
NOX4 NM_00 1300995	TFB S	TFBS	177 8	17 85	0.99617 9597	-	.	TF=HOXD4;class=Homeo domain factors;sequence=ATA ATTAA
NOX4 NM_00 1143837	TFB S	TFBS	182 8	18 35	0.99617 9597	-	.	TF=HOXD4;class=Homeo domain factors;sequence=ATA ATTAA
NOX4 NM_00 1291929	TFB S	TFBS	319	32 6	0.99617 9597	-	.	TF=HOXD4;class=Homeo domain factors;sequence=ATA ATTAA
NOX4 NM_00 1291927	TFB S	TFBS	537	54 4	0.99617 9597	-	.	TF=HOXD4;class=Homeo domain

								factors;sequence=ATA ATTAA TF=HOXD4;class=Homeo domain
NOX4 NM_00 1291926	TFB S	TFBS	934	94 1	0.99617 9597	—	·	factors;sequence=ATA ATTAA TF=HOXD4;class=Homeo domain
NOX4 NM_01 6931	TFB S	TFBS	934	94 1	0.99617 9597	—	·	factors;sequence=ATA ATTAA TF=HOXD4;class=Homeo domain
NOX4 NM_00 1143836	TFB S	TFBS	934	94 1	0.99617 9597	—	·	factors;sequence=ATA ATTAA TF=HOXD4;class=Homeo domain
NOX4 NR_12 0406	TFB S	TFBS	934	94 1	0.99617 9597	—	·	factors;sequence=ATA ATTAA TF=HOXD4;class=Homeo domain
NOX4 NM_00 1300995	TFB S	TFBS	746	75 3	0.99571 388	—	·	factors;sequence=CCA ATTAA TF=PRRX1;class=Homeo domain
NOX4 NM_00 1300995	TFB S	TFBS	171 8	17 25	0.99571 388	—	·	factors;sequence=CCA ATTAA TF=PRRX1;class=Homeo domain
NOX4 NM_00 1291929	TFB S	TFBS	259	26 6	0.99571 388	—	·	factors;sequence=CCA ATTAA TF=PRRX1;class=Homeo domain
NOX4 NM_00 1291927	TFB S	TFBS	477	48 4	0.99571 388	—	·	factors;sequence=CCA ATTAA TF=PRRX1;class=Homeo domain
NOX4 NM_00 1291926	TFB S	TFBS	874	88 1	0.99571 388	—	·	factors;sequence=CCA ATTAA TF=PRRX1;class=Homeo domain
NOX4 NM_01 6931	TFB S	TFBS	874	88 1	0.99571 388	—	·	factors;sequence=CCA ATTAA TF=PRRX1;class=Homeo domain
NOX4 NM_00 1143836	TFB S	TFBS	874	88 1	0.99571 388	—	·	factors;sequence=CCA ATTAA TF=PRRX1;class=Homeo domain

NOX4 NR_120406	TFBS	TFBS	874	881	0.99571388	-	.	TF=PRRX1;class=Homeodomain factors;sequence=CCATTAA
NOX4 NM_001300995	TFBS	TFBS	746	753	0.995684226	-	.	TF=DLX6;class=Homeodomain factors;sequence=CCATTAA
NOX4 NM_001300995	TFBS	TFBS	1718	1725	0.995684226	-	.	TF=DLX6;class=Homeodomain factors;sequence=CCATTAA
NOX4 NM_001291929	TFBS	TFBS	259	266	0.995684226	-	.	TF=DLX6;class=Homeodomain factors;sequence=CCATTAA
NOX4 NM_001291927	TFBS	TFBS	477	484	0.995684226	-	.	TF=DLX6;class=Homeodomain factors;sequence=CCATTAA
NOX4 NM_001291926	TFBS	TFBS	874	881	0.995684226	-	.	TF=DLX6;class=Homeodomain factors;sequence=CCATTAA
NOX4 NM_0016931	TFBS	TFBS	874	881	0.995684226	-	.	TF=DLX6;class=Homeodomain factors;sequence=CCATTAA
NOX4 NM_001143836	TFBS	TFBS	874	881	0.995684226	-	.	TF=DLX6;class=Homeodomain factors;sequence=CCATTAA
NOX4 NR_120406	TFBS	TFBS	874	881	0.995684226	-	.	TF=DLX6;class=Homeodomain factors;sequence=CCATTAA
NOX4 NM_001143837	TFBS	TFBS	1327	1336	0.995411894	+	.	TF=POU6F1(var.2);class=Homeodomain factors;sequence=ATGATGAGGA
NOX4 NM_001300995	TFBS	TFBS	147	154	0.9953249	+	.	TF=HOXA4;class=Homeodomain

								factors;sequence=GTC ATTAA TF=HOXA4;class=Homeo domain
NOX4 NM_00 1291929	TFB S	TFBS	191 9	19 26	0.99532 49	+	.	factors;sequence=GTC ATTAA TF=TEAD3;class=TEA domain
NOX4 NM_00 1300995	TFB S	TFBS	692	69 9	0.99531 1515	+	.	factors;sequence=GCA TTCCA TF=NR2C2(var.2);clas s=Nuclear receptors with C4 zinc fingers;sequence=GAG GTCAG
NOX4 NM_00 1300995	TFB S	TFBS	232	23 9	0.99523 7296	+	.	TF=NR2C2(var.2);clas s=Nuclear receptors with C4 zinc fingers;sequence=GAG GTCAG
NOX4 NM_00 1300995	TFB S	TFBS	218 8	21 95	0.99523 7296	+	.	TF=NR2C2(var.2);clas s=Nuclear receptors with C4 zinc fingers;sequence=GAG GTCAG
NOX4 NM_00 1143837	TFB S	TFBS	218 8	21 95	0.99523 7296	+	.	TF=NR2C2(var.2);clas s=Nuclear receptors with C4 zinc fingers;sequence=GAG GTCAG
NOX4 NM_00 1291929	TFB S	TFBS	218 8	21 95	0.99523 7296	+	.	TF=NR2C2(var.2);clas s=Nuclear receptors with C4 zinc fingers;sequence=GAG GTCAG
NOX4 NM_00 1291927	TFB S	TFBS	218 8	21 95	0.99523 7296	+	.	TF=NR2C2(var.2);clas s=Nuclear receptors with C4 zinc fingers;sequence=GAG GTCAG
NOX4 NM_00 1291926	TFB S	TFBS	218 8	21 95	0.99523 7296	+	.	TF=NR2C2(var.2);clas s=Nuclear receptors with C4 zinc fingers;sequence=GAG GTCAG
NOX4 NM_01 6931	TFB S	TFBS	218 8	21 95	0.99523 7296	+	.	TF=NR2C2(var.2);clas s=Nuclear receptors with C4 zinc fingers;sequence=GAG

NOX4 NM_001143836	TFB S	TFBS	218 8	21 95	0.99523 7296	+	.	GTCAG TF=NR2C2(var.2);class=Nuclear receptors with C4 zinc fingers;sequence=GAG GTCAG
NOX4 NM_001300995	TFB S	TFBS	311	31 9	0.99511 3409	-	.	TF=NFIX;class=SMAD/NF-1 DNA-binding domain factors;sequence=TGT GCCAAC
NOX4 NM_001143837	TFB S	TFBS	156 6	15 72	0.99498 9704	+	.	TF=MEIS1;class=Homeo domain factors;sequence=CTG ACAG
NOX4 NM_001291929	TFB S	TFBS	828	83 4	0.99498 9704	-	.	TF=MEIS1;class=Homeo domain factors;sequence=CTG ACAG
NOX4 NM_001291927	TFB S	TFBS	104 6	10 52	0.99498 9704	-	.	TF=MEIS1;class=Homeo domain factors;sequence=CTG ACAG
NOX4 NM_001291926	TFB S	TFBS	144 3	14 49	0.99498 9704	-	.	TF=MEIS1;class=Homeo domain factors;sequence=CTG ACAG
NOX4 NM_0016931	TFB S	TFBS	144 3	14 49	0.99498 9704	-	.	TF=MEIS1;class=Homeo domain factors;sequence=CTG ACAG
NOX4 NM_001143836	TFB S	TFBS	144 3	14 49	0.99498 9704	-	.	TF=MEIS1;class=Homeo domain factors;sequence=CTG ACAG
NOX4 NR_120406	TFB S	TFBS	144 3	14 49	0.99498 9704	-	.	TF=MEIS1;class=Homeo domain factors;sequence=CTG ACAG
NOX4 NM_001143837	TFB S	TFBS	737	74 8	0.99491 4257	+	.	TF=ZNF384;class=C2H2 zinc finger factors;sequence=TTA AAAAAAAAAA
NOX4 NM_001143837	TFB S	TFBS	738	74	0.99483	+	.	TF=ZNF384;class=C2H2

1143837	S			9	2864			zinc finger factors;sequence=TAA AAAAAAAAA TF=ZNF384;class=C2H2
NOX4 NM_00 1143837	TFB S	TFBS	485	49 6	0.99483 2864	-	.	zinc finger factors;sequence=TAA AAAAAAAAA TF=ZNF384;class=C2H2
NOX4 NM_00 1143837	TFB S	TFBS	586	59 7	0.99483 2864	-	.	zinc finger factors;sequence=TAA AAAAAAAAA TF=PITX1;class=Homeo
NOX4 NM_00 1143837	TFB S	TFBS	510	51 7	0.99477 8353	+	.	domain factors;sequence=TTA ATCCC TF=HOXC4;class=Homeo
NOX4 NM_00 1300995	TFB S	TFBS	177 8	17 85	0.99407 1307	-	.	domain factors;sequence=ATA ATTAA TF=HOXC4;class=Homeo
NOX4 NM_00 1143837	TFB S	TFBS	182 8	18 35	0.99407 1307	-	.	domain factors;sequence=ATA ATTAA TF=HOXC4;class=Homeo
NOX4 NM_00 1291929	TFB S	TFBS	319	32 6	0.99407 1307	-	.	domain factors;sequence=ATA ATTAA TF=HOXC4;class=Homeo
NOX4 NM_00 1291927	TFB S	TFBS	537	54 4	0.99407 1307	-	.	domain factors;sequence=ATA ATTAA TF=HOXC4;class=Homeo
NOX4 NM_00 1291926	TFB S	TFBS	934	94 1	0.99407 1307	-	.	domain factors;sequence=ATA ATTAA TF=HOXC4;class=Homeo
NOX4 NM_01 6931	TFB S	TFBS	934	94 1	0.99407 1307	-	.	domain factors;sequence=ATA ATTAA TF=HOXC4;class=Homeo
NOX4 NM_00 1143836	TFB S	TFBS	934	94 1	0.99407 1307	-	.	domain factors;sequence=ATA ATTAA TF=HOXC4;class=Homeo
NOX4 NR_12	TFB	TFBS	934	94	0.99407	-	.	TF=HOXC4;class=Homeo

0406	S			1	1307			domain factors;sequence=ATA ATTAA TF=ZNF354C;class=C2H 2 zinc finger
NOX4 NM_00 1300995	TFB S	TFBS	383	38 8	0.99404 8003	-	.	factors;sequence=CTC CAC TF=ZNF354C;class=C2H 2 zinc finger
NOX4 NM_00 1300995	TFB S	TFBS	146 0	14 65	0.99404 8003	-	.	factors;sequence=CTC CAC TF=ZNF354C;class=C2H 2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	565	57 0	0.99404 8003	+	.	factors;sequence=CTC CAC TF=ZNF354C;class=C2H 2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	1	6	0.99404 8003	-	.	factors;sequence=CTC CAC TF=ZNF354C;class=C2H 2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	180 0	18 05	0.99404 8003	-	.	factors;sequence=CTC CAC TF=ZNF354C;class=C2H 2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	783	78 8	0.99404 8003	+	.	factors;sequence=CTC CAC TF=ZNF354C;class=C2H 2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	219	22 4	0.99404 8003	-	.	factors;sequence=CTC CAC TF=ZNF354C;class=C2H 2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	118 0	11 85	0.99404 8003	+	.	factors;sequence=CTC CAC TF=ZNF354C;class=C2H 2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	616	62 1	0.99404 8003	-	.	factors;sequence=CTC CAC TF=ZNF354C;class=C2H 2 zinc finger
NOX4 NM_01 6931	TFB S	TFBS	118 0	11 85	0.99404 8003	+	.	factors;sequence=CTC CAC TF=ZNF354C;class=C2H 2 zinc finger
NOX4 NM_01	TFB	TFBS	616	62	0.99404	-	.	TF=ZNF354C;class=C2H

6931	S			1	8003			2 zinc finger factors;sequence=CTC CAC TF=ZNF354C;class=C2H
NOX4 NM_00 1143836	TFB S	TFBS	118 0	11 85	0.99404 8003	+	.	2 zinc finger factors;sequence=CTC CAC TF=ZNF354C;class=C2H
NOX4 NM_00 1143836	TFB S	TFBS	616	62 1	0.99404 8003	-	.	2 zinc finger factors;sequence=CTC CAC TF=ZNF354C;class=C2H
NOX4 NR_12 0406	TFB S	TFBS	118 0	11 85	0.99404 8003	+	.	2 zinc finger factors;sequence=CTC CAC TF=ZNF354C;class=C2H
NOX4 NR_12 0406	TFB S	TFBS	616	62 1	0.99404 8003	-	.	2 zinc finger factors;sequence=CTC CAC TF=ZNF354C;class=C2H
NOX4 NM_00 1300995	TFB S	TFBS	314	32 3	0.99393 8771	+	.	TF=MXI1;class=Basic helix-loop-helix factors (bHLH);sequence=GGCA CATGCC TF=MXI1;class=Basic helix-loop-helix factors (bHLH);sequence=GGCA CATGCC
NOX4 NM_00 1143837	TFB S	TFBS	165 7	16 66	0.99393 8771	+	.	TF=HOXB4;class=Homeo domain factors;sequence=ATA ATTAG TF=ZNF384;class=C2H2
NOX4 NM_00 1143837	TFB S	TFBS	588	59 9	0.99381 0188	-	.	zinc finger factors;sequence=ACT AAAAAAAAA TF=PITX2;class=Homeo domain
NOX4 NM_00 1300995	TFB S	TFBS	190	19 7	0.99371 8358	+	.	factors;sequence=GTA ATCCC TF=PITX2;class=Homeo domain
NOX4 NM_00 1300995	TFB S	TFBS	214 6	21 53	0.99371 8358	+	.	factors;sequence=GTA

NOX4 NM_001300995	TFB S	TFBS	108 4	10 91	0.99371 8358	-	.	ATCCC TF=PITX2;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NM_001143837	TFB S	TFBS	214 6	21 53	0.99371 8358	+	.	TF=PITX2;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NM_001291929	TFB S	TFBS	214 6	21 53	0.99371 8358	+	.	TF=PITX2;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NM_001291927	TFB S	TFBS	214 6	21 53	0.99371 8358	+	.	TF=PITX2;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NM_001291926	TFB S	TFBS	214 6	21 53	0.99371 8358	+	.	TF=PITX2;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NM_001291926	TFB S	TFBS	240	24 7	0.99371 8358	-	.	TF=PITX2;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NM_016931	TFB S	TFBS	214 6	21 53	0.99371 8358	+	.	TF=PITX2;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NM_016931	TFB S	TFBS	240	24 7	0.99371 8358	-	.	TF=PITX2;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NM_001143836	TFB S	TFBS	214 6	21 53	0.99371 8358	+	.	TF=PITX2;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NM_001143836	TFB S	TFBS	240	24 7	0.99371 8358	-	.	TF=PITX2;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NR_120406	TFB S	TFBS	240	24 7	0.99371 8358	-	.	TF=PITX2;class=Homeo domain factors;sequence=GTA

NOX4 NM_001143837	TFB S	TFBS	131 6	13 23	0.99371 7508	+	·	ATCCC TF=HOXC4;class=Homeo domain factors;sequence=ATA ATTAG
NOX4 NM_001300995	TFB S	TFBS	536	54 3	0.99370 4332	+	·	TF=HOXC4;class=Homeo domain factors;sequence=CTC ATTAA
NOX4 NM_001300995	TFB S	TFBS	540	54 7	0.99370 4332	-	·	TF=HOXC4;class=Homeo domain factors;sequence=CTC ATTAA
NOX4 NM_001143837	TFB S	TFBS	716	72 3	0.99370 4332	+	·	TF=HOXC4;class=Homeo domain factors;sequence=CTC ATTAA
NOX4 NR_120406	TFB S	TFBS	232 5	23 32	0.99370 4332	+	·	TF=HOXC4;class=Homeo domain factors;sequence=CTC ATTAA
NOX4 NM_001300995	TFB S	TFBS	187 1	18 78	0.99335 0533	+	·	TF=HOXC4;class=Homeo domain factors;sequence=CTC ATTAG
NOX4 NM_001291929	TFB S	TFBS	412	41 9	0.99335 0533	+	·	TF=HOXC4;class=Homeo domain factors;sequence=CTC ATTAG
NOX4 NM_001291927	TFB S	TFBS	630	63 7	0.99335 0533	+	·	TF=HOXC4;class=Homeo domain factors;sequence=CTC ATTAG
NOX4 NM_001291926	TFB S	TFBS	102 7	10 34	0.99335 0533	+	·	TF=HOXC4;class=Homeo domain factors;sequence=CTC ATTAG
NOX4 NM_016931	TFB S	TFBS	102 7	10 34	0.99335 0533	+	·	TF=HOXC4;class=Homeo domain factors;sequence=CTC ATTAG
NOX4 NM_001143836	TFB S	TFBS	102 7	10 34	0.99335 0533	+	·	TF=HOXC4;class=Homeo domain factors;sequence=CTC

NOX4 NR_12 0406	TFB S	TFBS	102 7	10 34	0.99335 0533	+	.	ATTAG TF=HOXC4;class=Homeo domain factors;sequence=CTC ATTAG TF=SRY;class=High-mo bility group (HMG) domain factors;sequence=TTA ACAAT TF=ZNF384;class=C2H2 zinc finger factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger factors;sequence=AAA AAAAAAAAA
NOX4 NM_00 1300995	TFB S	TFBS	151	15 9	0.99324 2305	+	.	
NOX4 NM_00 1300995	TFB S	TFBS	241 4	24 25	0.99323 0986	+	.	
NOX4 NM_00 1300995	TFB S	TFBS	241 5	24 26	0.99323 0986	+	.	
NOX4 NM_00 1300995	TFB S	TFBS	241 6	24 27	0.99323 0986	+	.	
NOX4 NM_00 1300995	TFB S	TFBS	241 7	24 28	0.99323 0986	+	.	
NOX4 NM_00 1300995	TFB S	TFBS	241 8	24 29	0.99323 0986	+	.	
NOX4 NM_00 1300995	TFB S	TFBS	241 9	24 30	0.99323 0986	+	.	
NOX4 NM_00 1300995	TFB S	TFBS	242 0	24 31	0.99323 0986	+	.	
NOX4 NM_00 1300995	TFB S	TFBS	242 1	24 32	0.99323 0986	+	.	
NOX4 NM_00 1300995	TFB S	TFBS	242 2	24 33	0.99323 0986	+	.	

								factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1300995	TFB S	TFBS	242 3	24 34	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1300995	TFB S	TFBS	242 4	24 35	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1300995	TFB S	TFBS	242 5	24 36	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1300995	TFB S	TFBS	242 6	24 37	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1300995	TFB S	TFBS	242 7	24 38	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1300995	TFB S	TFBS	820	83 1	0.99323 0986	-	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	739	75 0	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	241 4	24 25	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	241 5	24 26	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	241 6	24 27	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	241 7	24 28	0.99323 0986	+	.	TF=ZNF384;class=C2H2 zinc finger

								factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	241 8	24 29	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	241 9	24 30	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	242 0	24 31	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	242 1	24 32	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	242 2	24 33	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	242 3	24 34	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	242 4	24 35	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	242 5	24 36	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	242 6	24 37	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	242 7	24 38	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	484	49 5	0.99323 0986	-	.	TF=ZNF384;class=C2H2 zinc finger

								factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	575	58 6	0.99323 0986	-	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	576	58 7	0.99323 0986	-	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	577	58 8	0.99323 0986	-	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	578	58 9	0.99323 0986	-	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	579	59 0	0.99323 0986	-	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	580	59 1	0.99323 0986	-	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	581	59 2	0.99323 0986	-	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	582	59 3	0.99323 0986	-	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	583	59 4	0.99323 0986	-	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	584	59 5	0.99323 0986	-	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	585	59 6	0.99323 0986	-	.	zinc finger

								factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	241 4	24 25	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	241 5	24 26	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	241 6	24 27	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	241 7	24 28	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	241 8	24 29	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	241 9	24 30	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	242 0	24 31	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	242 1	24 32	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	242 2	24 33	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	242 3	24 34	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	242 4	24 35	0.99323 0986	+	.	TF=ZNF384;class=C2H2 zinc finger

								factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	242 5	24 36	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	242 6	24 37	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	242 7	24 38	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	241 4	24 25	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	241 5	24 26	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	241 6	24 27	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	241 7	24 28	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	241 8	24 29	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	241 9	24 30	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	242 0	24 31	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	242 1	24 32	0.99323 0986	+	.	TF=ZNF384;class=C2H2 zinc finger

								factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	242 2	24 33	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	242 3	24 34	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	242 4	24 35	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	242 5	24 36	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	242 6	24 37	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291927	TFB S	TFBS	242 7	24 38	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	241 4	24 25	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	241 5	24 26	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	241 6	24 27	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	241 7	24 28	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	241 8	24 29	0.99323 0986	+	.	TF=ZNF384;class=C2H2 zinc finger

								factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	241 9	24 30	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	242 0	24 31	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	242 1	24 32	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	242 2	24 33	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	242 3	24 34	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	242 4	24 35	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	242 5	24 36	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	242 6	24 37	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291926	TFB S	TFBS	242 7	24 38	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_01 6931	TFB S	TFBS	241 4	24 25	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_01 6931	TFB S	TFBS	241 5	24 26	0.99323 0986	+	.	TF=ZNF384;class=C2H2 zinc finger

									factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_01 6931	TFB S	TFBS	241 6	24 27	0.99323 0986	+	.		factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_01 6931	TFB S	TFBS	241 7	24 28	0.99323 0986	+	.		factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_01 6931	TFB S	TFBS	241 8	24 29	0.99323 0986	+	.		factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_01 6931	TFB S	TFBS	241 9	24 30	0.99323 0986	+	.		factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_01 6931	TFB S	TFBS	242 0	24 31	0.99323 0986	+	.		factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_01 6931	TFB S	TFBS	242 1	24 32	0.99323 0986	+	.		factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_01 6931	TFB S	TFBS	242 2	24 33	0.99323 0986	+	.		factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_01 6931	TFB S	TFBS	242 3	24 34	0.99323 0986	+	.		factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_01 6931	TFB S	TFBS	242 4	24 35	0.99323 0986	+	.		factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_01 6931	TFB S	TFBS	242 5	24 36	0.99323 0986	+	.		factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_01 6931	TFB S	TFBS	242 6	24 37	0.99323 0986	+	.		TF=ZNF384;class=C2H2 zinc finger

								factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_01 6931	TFB S	TFBS	242 7	24 38	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143836	TFB S	TFBS	241 4	24 25	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143836	TFB S	TFBS	241 5	24 26	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143836	TFB S	TFBS	241 6	24 27	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143836	TFB S	TFBS	241 7	24 28	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143836	TFB S	TFBS	241 8	24 29	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143836	TFB S	TFBS	241 9	24 30	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143836	TFB S	TFBS	242 0	24 31	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143836	TFB S	TFBS	242 1	24 32	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143836	TFB S	TFBS	242 2	24 33	0.99323 0986	+	.	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143836	TFB S	TFBS	242 3	24 34	0.99323 0986	+	.	TF=ZNF384;class=C2H2 zinc finger

								factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143836	TFB S	TFBS	242 4	24 35	0.99323 0986	+	·	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143836	TFB S	TFBS	242 5	24 36	0.99323 0986	+	·	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143836	TFB S	TFBS	242 6	24 37	0.99323 0986	+	·	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143836	TFB S	TFBS	242 7	24 38	0.99323 0986	+	·	factors;sequence=AAA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1300995	TFB S	TFBS	187 1	18 78	0.99317 1445	+	·	TF=GSX2;class=Homeo domain factors;sequence=CTC ATTAG
NOX4 NM_00 1291929	TFB S	TFBS	412	41 9	0.99317 1445	+	·	TF=GSX2;class=Homeo domain factors;sequence=CTC ATTAG
NOX4 NM_00 1291927	TFB S	TFBS	630	63 7	0.99317 1445	+	·	TF=GSX2;class=Homeo domain factors;sequence=CTC ATTAG
NOX4 NM_00 1291926	TFB S	TFBS	102 7	10 34	0.99317 1445	+	·	TF=GSX2;class=Homeo domain factors;sequence=CTC ATTAG
NOX4 NM_01 6931	TFB S	TFBS	102 7	10 34	0.99317 1445	+	·	TF=GSX2;class=Homeo domain factors;sequence=CTC ATTAG
NOX4 NM_00 1143836	TFB S	TFBS	102 7	10 34	0.99317 1445	+	·	TF=GSX2;class=Homeo domain factors;sequence=CTC ATTAG
NOX4 NR_12 0406	TFB S	TFBS	102 7	10 34	0.99317 1445	+	·	TF=GSX2;class=Homeo domain

								factors;sequence=CTC ATTAG TF=HOXB6;class=Homeo domain
NOX4 NM_00 1300995	TFB S	TFBS	147	15 4	0.99289 7745	—	·	factors;sequence=TTA ATGAC TF=HOXB6;class=Homeo domain
NOX4 NM_00 1291929	TFB S	TFBS	191 9	19 26	0.99289 7745	—	·	factors;sequence=TTA ATGAC TF=HOXB4;class=Homeo domain
NOX4 NM_00 1300995	TFB S	TFBS	177 8	17 85	0.99288 7021	—	·	factors;sequence=ATA ATTAA TF=HOXB4;class=Homeo domain
NOX4 NM_00 1143837	TFB S	TFBS	182 8	18 35	0.99288 7021	—	·	factors;sequence=ATA ATTAA TF=HOXB4;class=Homeo domain
NOX4 NM_00 1291929	TFB S	TFBS	319	32 6	0.99288 7021	—	·	factors;sequence=ATA ATTAA TF=HOXB4;class=Homeo domain
NOX4 NM_00 1291927	TFB S	TFBS	537	54 4	0.99288 7021	—	·	factors;sequence=ATA ATTAA TF=HOXB4;class=Homeo domain
NOX4 NM_00 1291926	TFB S	TFBS	934	94 1	0.99288 7021	—	·	factors;sequence=ATA ATTAA TF=HOXB4;class=Homeo domain
NOX4 NM_01 6931	TFB S	TFBS	934	94 1	0.99288 7021	—	·	factors;sequence=ATA ATTAA TF=HOXB4;class=Homeo domain
NOX4 NM_00 1143836	TFB S	TFBS	934	94 1	0.99288 7021	—	·	factors;sequence=ATA ATTAA TF=HOXB4;class=Homeo domain
NOX4 NR_12 0406	TFB S	TFBS	934	94 1	0.99288 7021	—	·	factors;sequence=ATA ATTAA TF=DRGX;class=Homeo domain
NOX4 NM_00 1143837	TFB S	TFBS	131 6	13 23	0.99279 5264	—	·	

								factors;sequence=CTA ATTAT TF=NFIA;class=SMAD/N F-1 DNA-binding domain
NOX4 NM_00 1300995	TFB S	TFBS	244 1	24 50	0.99278 1701	-	.	factors;sequence=AGT GCCAATT TF=NFIA;class=SMAD/N F-1 DNA-binding domain
NOX4 NM_00 1143837	TFB S	TFBS	244 1	24 50	0.99278 1701	-	.	factors;sequence=AGT GCCAATT TF=NFIA;class=SMAD/N F-1 DNA-binding domain
NOX4 NM_00 1291929	TFB S	TFBS	244 1	24 50	0.99278 1701	-	.	factors;sequence=AGT GCCAATT TF=NFIA;class=SMAD/N F-1 DNA-binding domain
NOX4 NM_00 1291927	TFB S	TFBS	244 1	24 50	0.99278 1701	-	.	factors;sequence=AGT GCCAATT TF=NFIA;class=SMAD/N F-1 DNA-binding domain
NOX4 NM_00 1291926	TFB S	TFBS	244 1	24 50	0.99278 1701	-	.	factors;sequence=AGT GCCAATT TF=NFIA;class=SMAD/N F-1 DNA-binding domain
NOX4 NM_01 6931	TFB S	TFBS	244 1	24 50	0.99278 1701	-	.	factors;sequence=AGT GCCAATT TF=NFIA;class=SMAD/N F-1 DNA-binding domain
NOX4 NM_00 1143836	TFB S	TFBS	244 1	24 50	0.99278 1701	-	.	factors;sequence=AGT GCCAATT TF=UNCX;class=Homeo domain
NOX4 NM_00 1300995	TFB S	TFBS	746	75 3	0.99252 567	-	.	factors;sequence=CCA ATTAA TF=UNCX;class=Homeo domain
NOX4 NM_00 1300995	TFB S	TFBS	171 8	17 25	0.99252 567	-	.	factors;sequence=CCA

NOX4 NM_001291929	TFB S	TFBS	259	26 6	0.99252 567	-	.	ATTAA TF=UNCX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001291927	TFB S	TFBS	477	48 4	0.99252 567	-	.	TF=UNCX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001291926	TFB S	TFBS	874	88 1	0.99252 567	-	.	TF=UNCX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_016931	TFB S	TFBS	874	88 1	0.99252 567	-	.	TF=UNCX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001143836	TFB S	TFBS	874	88 1	0.99252 567	-	.	TF=UNCX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NR_120406	TFB S	TFBS	874	88 1	0.99252 567	-	.	TF=UNCX;class=Homeo domain factors;sequence=CCA ATTAA
NOX4 NM_001143837	TFB S	TFBS	509	51 8	0.99190 7541	+	.	TF=GSC2;class=Homeo domain factors;sequence=CTT AATCCCC
NOX4 NM_001291929	TFB S	TFBS	107 3	10 80	0.99186 3024	-	.	TF=SOX18;class=High- mobility group (HMG) domain factors;sequence=AAC AATGC
NOX4 NM_001291927	TFB S	TFBS	129 1	12 98	0.99186 3024	-	.	TF=SOX18;class=High- mobility group (HMG) domain factors;sequence=AAC AATGC
NOX4 NM_001291926	TFB S	TFBS	168 8	16 95	0.99186 3024	-	.	TF=SOX18;class=High- mobility group (HMG) domain factors;sequence=AAC AATGC

NOX4 NM_016931	TFB S	TFBS	168 8	16 95	0.99186 3024	-	.	TF=SOX18;class=High-mobility group (HMG) domain factors;sequence=AAC AATGC
NOX4 NM_001143836	TFB S	TFBS	168 8	16 95	0.99186 3024	-	.	TF=SOX18;class=High-mobility group (HMG) domain factors;sequence=AAC AATGC
NOX4 NR_0406	TFB S	TFBS	168 8	16 95	0.99186 3024	-	.	TF=SOX18;class=High-mobility group (HMG) domain factors;sequence=AAC AATGC
NOX4 NM_001143837	TFB S	TFBS	131 6	13 23	0.99170 1267	-	.	TF=VSX2;class=Homeo domain factors;sequence=CTA ATTAT
NOX4 NM_001300995	TFB S	TFBS	190	19 7	0.99155 1227	+	.	TF=RHOXF1;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NM_001300995	TFB S	TFBS	214 6	21 53	0.99155 1227	+	.	TF=RHOXF1;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NM_001300995	TFB S	TFBS	108 4	10 91	0.99155 1227	-	.	TF=RHOXF1;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NM_001143837	TFB S	TFBS	214 6	21 53	0.99155 1227	+	.	TF=RHOXF1;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NM_001291929	TFB S	TFBS	214 6	21 53	0.99155 1227	+	.	TF=RHOXF1;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NM_001291927	TFB S	TFBS	214 6	21 53	0.99155 1227	+	.	TF=RHOXF1;class=Homeo domain factors;sequence=GTA ATCCC
NOX4 NM_00	TFB	TFBS	214	21	0.99155	+	.	TF=RHOXF1;class=Home

1291926	S		6	53	1227			o domain factors;sequence=GTA ATCCC TF=RHOXF1;class=Home
NOX4 NM_00 1291926	TFB S	TFBS	240	24 7	0.99155 1227	-	.	o domain factors;sequence=GTA ATCCC TF=RHOXF1;class=Home
NOX4 NM_01 6931	TFB S	TFBS	214 6	21 53	0.99155 1227	+	.	o domain factors;sequence=GTA ATCCC TF=RHOXF1;class=Home
NOX4 NM_01 6931	TFB S	TFBS	240	24 7	0.99155 1227	-	.	o domain factors;sequence=GTA ATCCC TF=RHOXF1;class=Home
NOX4 NM_00 1143836	TFB S	TFBS	214 6	21 53	0.99155 1227	+	.	o domain factors;sequence=GTA ATCCC TF=RHOXF1;class=Home
NOX4 NM_00 1143836	TFB S	TFBS	240	24 7	0.99155 1227	-	.	o domain factors;sequence=GTA ATCCC TF=RHOXF1;class=Home
NOX4 NR_12 0406	TFB S	TFBS	240	24 7	0.99155 1227	-	.	o domain factors;sequence=GTA ATCCC TF=HOXA4;class=Homeo
NOX4 NM_00 1300995	TFB S	TFBS	169 7	17 04	0.99152 8411	+	.	domain factors;sequence=ATC ATTAA TF=HOXA4;class=Homeo
NOX4 NM_00 1291929	TFB S	TFBS	238	24 5	0.99152 8411	+	.	domain factors;sequence=ATC ATTAA TF=HOXA4;class=Homeo
NOX4 NM_00 1291927	TFB S	TFBS	456	46 3	0.99152 8411	+	.	domain factors;sequence=ATC ATTAA TF=HOXA4;class=Homeo
NOX4 NM_00 1291926	TFB S	TFBS	853	86 0	0.99152 8411	+	.	domain factors;sequence=ATC ATTAA TF=HOXA4;class=Homeo
NOX4 NM_01	TFB	TFBS	853	86	0.99152	+	.	TF=HOXA4;class=Homeo

6931	S			0	8411			domain factors;sequence=ATC ATTAA TF=HOXA4;class=Homeo
NOX4 NM_00 1143836	TFB S	TFBS	853	86 0	0.99152 8411	+	.	domain factors;sequence=ATC ATTAA TF=HOXA4;class=Homeo
NOX4 NR_12 0406	TFB S	TFBS	853	86 0	0.99152 8411	+	.	domain factors;sequence=ATC ATTAA TF=GSX2;class=Homeo
NOX4 NM_00 1300995	TFB S	TFBS	147	15 4	0.99152 4102	+	.	domain factors;sequence=GTC ATTAA TF=GSX2;class=Homeo
NOX4 NM_00 1291929	TFB S	TFBS	191 9	19 26	0.99152 4102	+	.	domain factors;sequence=GTC ATTAA TF=BHLHE22(var. 2);cl ass=Basic
NOX4 NM_00 1143837	TFB S	TFBS	149 8	15 07	0.99147 9147	-	.	helix-loop-helix factors (bHLH);sequence=GCCA GCTGCG TF=BHLHE22(var. 2);cl ass=Basic
NOX4 NM_00 1143837	TFB S	TFBS	149 8	15 07	0.99147 0498	+	.	helix-loop-helix factors (bHLH);sequence=CGCA GCTGGC TF=PDX1;class=Homeo
NOX4 NM_00 1143837	TFB S	TFBS	131 6	13 23	0.99144 1186	+	.	domain factors;sequence=ATA ATTAG TF=MYB;class=Tryptop han cluster
NOX4 NM_00 1143837	TFB S	TFBS	164 1	16 50	0.99143 7632	-	.	factors;sequence=CCC AACTGCT TF=HOXD4;class=Homeo
NOX4 NM_00 1300995	TFB S	TFBS	187 1	18 78	0.99130 7845	+	.	domain factors;sequence=CTC ATTAG TF=HOXD4;class=Homeo
NOX4 NM_00	TFB	TFBS	412	41	0.99130	+	.	

1291929	S			9	7845			domain factors;sequence=CTC ATTAG TF=HOXD4;class=Homeo
NOX4 NM_00 1291927	TFB S	TFBS	630	63 7	0.99130 7845	+	.	domain factors;sequence=CTC ATTAG TF=HOXD4;class=Homeo
NOX4 NM_00 1291926	TFB S	TFBS	102 7	10 34	0.99130 7845	+	.	domain factors;sequence=CTC ATTAG TF=HOXD4;class=Homeo
NOX4 NM_01 6931	TFB S	TFBS	102 7	10 34	0.99130 7845	+	.	domain factors;sequence=CTC ATTAG TF=HOXD4;class=Homeo
NOX4 NM_00 1143836	TFB S	TFBS	102 7	10 34	0.99130 7845	+	.	domain factors;sequence=CTC ATTAG TF=HOXD4;class=Homeo
NOX4 NR_12 0406	TFB S	TFBS	102 7	10 34	0.99130 7845	+	.	domain factors;sequence=CTC ATTAG TF=TLX2;class=Homeo
NOX4 NM_00 1300995	TFB S	TFBS	746	75 3	0.99127 9322	-	.	domain factors;sequence=CCA ATTAA TF=TLX2;class=Homeo
NOX4 NM_00 1300995	TFB S	TFBS	171 8	17 25	0.99127 9322	-	.	domain factors;sequence=CCA ATTAA TF=TLX2;class=Homeo
NOX4 NM_00 1291929	TFB S	TFBS	259	26 6	0.99127 9322	-	.	domain factors;sequence=CCA ATTAA TF=TLX2;class=Homeo
NOX4 NM_00 1291927	TFB S	TFBS	477	48 4	0.99127 9322	-	.	domain factors;sequence=CCA ATTAA TF=TLX2;class=Homeo
NOX4 NM_00 1291926	TFB S	TFBS	874	88 1	0.99127 9322	-	.	domain factors;sequence=CCA ATTAA TF=TLX2;class=Homeo
NOX4 NM_01	TFB	TFBS	874	88	0.99127	-	.	TF=TLX2;class=Homeo

6931	S			1	9322			domain factors;sequence=CCA ATTAA TF=TLX2;class=Homeo
NOX4 NM_00 1143836	TFB S	TFBS	874	88 1	0.99127 9322	-	.	domain factors;sequence=CCA ATTAA TF=TLX2;class=Homeo
NOX4 NR_12 0406	TFB S	TFBS	874	88 1	0.99127 9322	-	.	domain factors;sequence=CCA ATTAA TF=BARX1;class=Homeo
NOX4 NM_00 1300995	TFB S	TFBS	746	75 3	0.99126 4087	-	.	domain factors;sequence=CCA ATTAA TF=BARX1;class=Homeo
NOX4 NM_00 1300995	TFB S	TFBS	171 8	17 25	0.99126 4087	-	.	domain factors;sequence=CCA ATTAA TF=BARX1;class=Homeo
NOX4 NM_00 1291929	TFB S	TFBS	259	26 6	0.99126 4087	-	.	domain factors;sequence=CCA ATTAA TF=BARX1;class=Homeo
NOX4 NM_00 1291927	TFB S	TFBS	477	48 4	0.99126 4087	-	.	domain factors;sequence=CCA ATTAA TF=BARX1;class=Homeo
NOX4 NM_00 1291926	TFB S	TFBS	874	88 1	0.99126 4087	-	.	domain factors;sequence=CCA ATTAA TF=BARX1;class=Homeo
NOX4 NM_01 6931	TFB S	TFBS	874	88 1	0.99126 4087	-	.	domain factors;sequence=CCA ATTAA TF=BARX1;class=Homeo
NOX4 NM_00 1143836	TFB S	TFBS	874	88 1	0.99126 4087	-	.	domain factors;sequence=CCA ATTAA TF=BARX1;class=Homeo
NOX4 NR_12 0406	TFB S	TFBS	874	88 1	0.99126 4087	-	.	domain factors;sequence=CCA ATTAA TF=BARX1;class=Homeo
NOX4 NM_00	TFB	TFBS	182	18	0.99122	-	.	TF=MNX1;class=Homeo

1143837	S		7	36	8646			domain factors;sequence=GAT AATTAAA TF=RHOXF1;class=Home o domain
NOX4 NM_00 1300995	TFB S	TFBS	325	33 2	0.99107 5076	+	.	factors;sequence=GTG ATCCC TF=NR2C1;class=Nucle ar receptors with C4 zinc
NOX4 NM_00 1300995	TFB S	TFBS	231	23 9	0.99077 1625	+	.	fingers;sequence=TGA GGTCAG TF=NR2C1;class=Nucle ar receptors with C4 zinc
NOX4 NM_00 1300995	TFB S	TFBS	218 7	21 95	0.99077 1625	+	.	fingers;sequence=TGA GGTCAG TF=NR2C1;class=Nucle ar receptors with C4 zinc
NOX4 NM_00 1143837	TFB S	TFBS	218 7	21 95	0.99077 1625	+	.	fingers;sequence=TGA GGTCAG TF=NR2C1;class=Nucle ar receptors with C4 zinc
NOX4 NM_00 1291929	TFB S	TFBS	218 7	21 95	0.99077 1625	+	.	fingers;sequence=TGA GGTCAG TF=NR2C1;class=Nucle ar receptors with C4 zinc
NOX4 NM_00 1291927	TFB S	TFBS	218 7	21 95	0.99077 1625	+	.	fingers;sequence=TGA GGTCAG TF=NR2C1;class=Nucle ar receptors with C4 zinc
NOX4 NM_00 1291926	TFB S	TFBS	218 7	21 95	0.99077 1625	+	.	fingers;sequence=TGA GGTCAG TF=NR2C1;class=Nucle ar receptors with C4 zinc
NOX4 NM_01 6931	TFB S	TFBS	218 7	21 95	0.99077 1625	+	.	fingers;sequence=TGA GGTCAG TF=NR2C1;class=Nucle ar receptors with C4 zinc
NOX4 NM_00 1143836	TFB S	TFBS	218 7	21 95	0.99077 1625	+	.	TF=NR2C1;class=Nucle ar receptors with C4

									zinc fingers;sequence=TGA GGTCAG TF=HOXD4;class=Homeo domain
NOX4 NM_00 1300995	TFB S	TFBS	536	54 3	0.99063 8987	+	.		factors;sequence=CTC ATTAA TF=HOXD4;class=Homeo domain
NOX4 NM_00 1300995	TFB S	TFBS	540	54 7	0.99063 8987	-	.		factors;sequence=CTC ATTAA TF=HOXD4;class=Homeo domain
NOX4 NM_00 1143837	TFB S	TFBS	716	72 3	0.99063 8987	+	.		factors;sequence=CTC ATTAA TF=HOXD4;class=Homeo domain
NOX4 NR_12 0406	TFB S	TFBS	232 5	23 32	0.99063 8987	+	.		factors;sequence=CTC ATTAA TF=HOXD4;class=Homeo domain
NOX4 NM_00 1143837	TFB S	TFBS	510	51 7	0.99053 1244	+	.		factors;sequence=CTC ATTAA TF=OTX1;class=Homeo domain
NOX4 NM_00 1143837	TFB S	TFBS	178 7	17 94	0.99049 7575	-	.		factors;sequence=TTA ATCCC TF=RHOXF1;class=Home o domain
NOX4 NM_00 1300995	TFB S	TFBS	241 2	24 23	0.99032 6324	+	.		factors;sequence=GTA ATCCA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1300995	TFB S	TFBS	822	83 3	0.99032 6324	-	.		factors;sequence=TCA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1143837	TFB S	TFBS	241 2	24 23	0.99032 6324	+	.		factors;sequence=TCA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00 1291929	TFB S	TFBS	241 2	24 23	0.99032 6324	+	.		factors;sequence=TCA AAAAAAAAA TF=ZNF384;class=C2H2 zinc finger
NOX4 NM_00	TFB	TFBS	241	24	0.99032	+	.		factors;sequence=TCA AAAAAAAAA TF=ZNF384;class=C2H2

1291927	S		2	23	6324			zinc finger factors;sequence=TCA AAAAAAAAA
NOX4 NM_00 1291926	TFB S	TFBS	241 2	24 23	0.99032 6324	+	.	TF=ZNF384;class=C2H2 zinc finger factors;sequence=TCA AAAAAAAAA
NOX4 NM_01 6931	TFB S	TFBS	241 2	24 23	0.99032 6324	+	.	TF=ZNF384;class=C2H2 zinc finger factors;sequence=TCA AAAAAAAAA
NOX4 NM_00 1143836	TFB S	TFBS	241 2	24 23	0.99032 6324	+	.	TF=ZNF384;class=C2H2 zinc finger factors;sequence=TCA AAAAAAAAA
NOX4 NM_00 1291929	TFB S	TFBS	171 6	17 23	0.99032 5926	+	.	TF=GATA3;class=Other C4 zinc finger-type factors;sequence=AGA TAACA
NOX4 NM_00 1291927	TFB S	TFBS	193 4	19 41	0.99032 5926	+	.	TF=GATA3;class=Other C4 zinc finger-type factors;sequence=AGA TAACA
NOX4 NM_00 1143837	TFB S	TFBS	131 6	13 23	0.99025 0825	-	.	TF=PRRX2;class=Homeo domain factors;sequence=CTA ATTAT
NOX4 NM_00 1300995	TFB S	TFBS	154 3	15 50	0.99019 2875	+	.	TF=FOXG1;class=Fork head / winged helix factors;sequence=ATA AACAA
NOX4 NM_00 1143837	TFB S	TFBS	288	29 5	0.99019 2875	-	.	TF=FOXG1;class=Fork head / winged helix factors;sequence=ATA AACAA
NOX4 NM_00 1291929	TFB S	TFBS	84	91	0.99019 2875	+	.	TF=FOXG1;class=Fork head / winged helix factors;sequence=ATA AACAA
NOX4 NM_00 1291927	TFB S	TFBS	302	30 9	0.99019 2875	+	.	TF=FOXG1;class=Fork head / winged helix factors;sequence=ATA AACAA
NOX4 NM_00	TFB	TFBS	699	70	0.99019	+	.	TF=FOXG1;class=Fork

1291926	S			6	2875			head / winged helix factors;sequence=ATA AACAA TF=FOXG1;class=Fork
NOX4 NM_01 6931	TFB S	TFBS	699	70 6	0.99019 2875	+	.	head / winged helix factors;sequence=ATA AACAA TF=FOXG1;class=Fork
NOX4 NM_00 1143836	TFB S	TFBS	699	70 6	0.99019 2875	+	.	head / winged helix factors;sequence=ATA AACAA TF=FOXG1;class=Fork
NOX4 NR_12 0406	TFB S	TFBS	699	70 6	0.99019 2875	+	.	head / winged helix factors;sequence=ATA AACAA TF=FOXG1;class=Fork
NOX4 NM_00 1300995	TFB S	TFBS	746	75 3	0.99013 5478	-	.	domain factors;sequence=CCA ATTAA TF=LHX9;class=Homeo
NOX4 NM_00 1300995	TFB S	TFBS	171 8	17 25	0.99013 5478	-	.	domain factors;sequence=CCA ATTAA TF=LHX9;class=Homeo
NOX4 NM_00 1291929	TFB S	TFBS	259	26 6	0.99013 5478	-	.	domain factors;sequence=CCA ATTAA TF=LHX9;class=Homeo
NOX4 NM_00 1291927	TFB S	TFBS	477	48 4	0.99013 5478	-	.	domain factors;sequence=CCA ATTAA TF=LHX9;class=Homeo
NOX4 NM_00 1291926	TFB S	TFBS	874	88 1	0.99013 5478	-	.	domain factors;sequence=CCA ATTAA TF=LHX9;class=Homeo
NOX4 NM_01 6931	TFB S	TFBS	874	88 1	0.99013 5478	-	.	domain factors;sequence=CCA ATTAA TF=LHX9;class=Homeo
NOX4 NM_00 1143836	TFB S	TFBS	874	88 1	0.99013 5478	-	.	domain factors;sequence=CCA ATTAA TF=LHX9;class=Homeo
NOX4 NR_12	TFB	TFBS	874	88	0.99013	-	.	TF=LHX9;class=Homeo

0406	S			1	5478			domain factors;sequence=CCA ATTAA TF=RHOXF1;class=Home o domain
NOX4 NM_00 1300995	TFB S	TFBS	105 2	10 59	0.99002 1423	+	·	factors;sequence=GTG ATCCA TF=RHOXF1;class=Home o domain
NOX4 NM_00 1300995	TFB S	TFBS	222	22 9	0.99002 1423	-	·	factors;sequence=GTG ATCCA TF=RHOXF1;class=Home o domain
NOX4 NM_00 1291926	TFB S	TFBS	208	21 5	0.99002 1423	+	·	factors;sequence=GTG ATCCA TF=RHOXF1;class=Home o domain
NOX4 NM_01 6931	TFB S	TFBS	208	21 5	0.99002 1423	+	·	factors;sequence=GTG ATCCA TF=RHOXF1;class=Home o domain
NOX4 NM_00 1143836	TFB S	TFBS	208	21 5	0.99002 1423	+	·	factors;sequence=GTG ATCCA TF=RHOXF1;class=Home o domain
NOX4 NR_12 0406	TFB S	TFBS	208	21 5	0.99002 1423	+	·	factors;sequence=GTG ATCCA TF=RHOXF1;class=Home o domain
NOX4 NR_12 0406	TFB S	TFBS	216 6	21 73	0.99002 1423	-	·	factors;sequence=GTG ATCCA
