





- 64096 67765 (0; LocusLink) 

- 76904 78719 (0; LocusLink) 


- 82370 82596 (0; Regulatory)

Genetic analysis of a Hoxd-12 regulatory element reveals global versus local modes of controls in the HoxD complex. Hérault Y, Beckers J, Kondo T, Fraudeau N, Duboule D. *Development*. 1998 May;125(9):1669-77. 

full text 


- 83791 84749 (0; LocusLink) 

- 88252 88478 (0; Regulatory)


Transgenic analysis of a potential Hoxd-11 limb regulatory element present in tetrapods and fish. Beckers J, Gerard M, Duboule D. Dev Biol. 1996 Dec 15;180(2):543-53. 

full text 


- 90836 91017 (0; Regulatory)


corresponds to mouse element. Structure and activity of regulatory elements involved in the activation of the Hoxd-11 gene during late gastrulation. Gerard M, Duboule D, Zakany J. EMBO J. 1993 Sep;12(9):3539-50. 

- 91142 91286 (0; Regulatory)


corresponds to mouse element. Structure and activity of regulatory elements involved in the activation of the Hoxd-11 gene during late gastrulation. Gerard M, Duboule D, Zakany J. EMBO J. 1993 Sep;12(9):3539-50. 

- 91345 92060 (1; Regulatory)


corresponds to mouse element. Structure and activity of regulatory elements involved in the activation of the Hoxd-11 gene during late gastrulation. Gerard M, Duboule D, Zakany J. EMBO J. 1993 Sep;12(9):3539-50. 

• 91345 93131 (0; LocusLink) 


- 92210 92342 (1; Regulatory)

corresponds to mouse element. Structure and activity of regulatory elements involved in the activation of the Hoxd-11 gene during late gastrulation. Gerard M, Duboule D, Zakany J. EMBO J. 1993 Sep;12(9):3539-50. 


- 92896 93131 (1; Regulatory)

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- 93481 93657 (0; Regulatory)


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- 94266 94413 (1; Regulatory)

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- 94396 94686 (0; Regulatory)

corresponds to mouse element. Structure and activity of regulatory elements involved in the activation of the Hoxd-11 gene during late gastrulation. Gerard M, Duboule D, Zakany J. EMBO J. 1993 Sep;12(9):3539-50. 

in vivo targeted mutagenesis of a regulatory element required for positioning the Hoxd-11 and Hoxd-10 expression boundaries. Gerard M, Chen JY, Gronemeyer H, Chambon P, Duboule D, Zakany J. Genes Dev 1996 Sep 15;10(18):2326-34. 

- 100823 103220 (0; LocusLink) 

- 104221 104808 (0; Regulatory)

corresponds to mouse element. Comparison of mouse and human HOX-4 complexes defines conserved sequences involved in the regulation of Hox-4.4. Renucci A, Zappavigna V, Zakany J, Izpisua-Belmonte JC, Burki K, Duboule D. EMBO J. 1992 Apr;11(4):1459-68.



- 105348 105666 (0; Regulatory)

corresponds to mouse element. Comparison of mouse and human HOX-4 complexes defines conserved sequences involved in the regulation of Hox-4.4. Renucci A, Zappavigna V, Zakany J, Izpisua-Belmonte JC, Burki K, Duboule D. EMBO J. 1992 Apr;11(4):1459-68.





- 106064 106192 (0; Regulatory)


corresponds to mouse element. Comparison of mouse and human HOX-4 complexes defines conserved sequences involved in the regulation of Hox-4.4. Renucci A, Zappavigna V, Zakany J, Izpisua-Belmonte JC, Burki K, Duboule D. EMBO J. 1992 Apr;11(4):1459-68.





- 106085 106199 (1; Regulatory)


HOX4 genes encode transcription factors with potential auto- and cross-regulatory capacities. Zappavigna V, Renucci A, Izpisua-Belmonte JC, Urien G, Peschle C, Duboule D. EMBO J. 1991 Dec;10(13):4177-87. 


• 106788 108164 (0; LocusLink) 

• 114356 115601 (0; LocusLink) 


- 132941 133083 (0; Regulatory)

HOXD4 retinoid-responsive enhancer. In vitro and transgenic analysis of a human HOXD4 retinoid-responsive enhancer. Morrison A, Moroni MC, Ariza-McNaughton L, Krumlauf R, Mavilio F. Development. 1996 Jun;122(6):1895-907. 
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• 135623 136931 (0; LocusLink) 

• 153152 156263 (0; LocusLink) 

- 155768 156087 (1; Regulatory)

antisense transcripts Analysis of the Hoxd-3 gene: structure and localization of its sense and natural antisense transcripts. Bedford M, Arman E, Orr-Urtreger A, Lonai P. DNA Cell Biol. 1995 Apr;14(4):295-304. 

- 159230 162103 (0; TIGR)
corresponds to Tiger clusters THC522703, THC523348 

• 172791 174131 (0; LocusLink) 

Gene	→
Exon	■
UTR	□
RNA	◡
Simple	□
MIR	▲
Other SINE	▼
LINE1	◡
LINE2	■
LTR	◡
Other repeat	▼
CpG/GpC \geq 0.60	□
CpG/GpC \geq 0.75	▬

HOXD

Wed Jul 11 18:00:55 EDT 2001
<http://bio.cse.psu.edu/pipmaker/>

Annotations legend

- LocusLink : Blue
- Regulatory : Orange
- TIGR : Gray
- NCBI : Green
- PubMed : Red

Underlays legend

- elementX : Yellow
- HNF1 : LightPurple
- RARE : LightOrange
- HOX : LightRed
- nuclear_receptor : Blue
- exon : LightBlue
- EST : LightGreen
- intron : LightYellow
- CNS_90 : Red
- CNS_80 : LightRed
- CNS_70 : Pink

