

ECR9_chick -----
ECR9_mouse TTGCACTTCCTGTGGATTAGTGAACAGATCTCTTTATAGACTACATCTGCTCTCTCTT
ECR9_human -----

Region 1

ECR9_chick -----AGGGTAGGGCTCCAGAAAGGTTAAGGCTTTTCAGGCC
ECR9_mouse CCACAATCTGTCTACCTAGGGGGAGGGCTGGCGGAAAGGTTAAAGGTTTCTGGTC
ECR9_human -----GAAAGGTTAAAGGTTCTCTGGTC

Region 2

ECR9_chick AAAATCCTCCAACAGAAGCAGGGGTACGCTCGGAGTGAATCTAAGTCTAATGACTG
ECR9_mouse GAAATAGCCCAACAGA---AGGGCCCGCCAGAGCTGAAATCTAAGT-CTAATGACCG
ECR9_human AAAATAGCCCAACAGA---AGGAGCTGGCCAGAGCTGAAATCTAAGTCTAATGACCG

ECR9_chick ATGCCCTTACCCCTCCGTCGCTCCAAAGGCGACTGCCCTGGATGAGC---CGGG---
ECR9_mouse CTGCCCTTACCTCGCTGTCTCCACAGCCGACCTGCGGCCCGTGGGGCCGGGACC
ECR9_human TTGCCCTTACCCCTACTGCTGTCACACTGGCCGACCTGCGGCCGGTGGGCCCGGACT

Region 6

ECR9_chick -----GCCGGAGAGCATTAACTTTGAACCTTTCACGCTGCGAGGCAGCA
ECR9_mouse AGGACAGGACACAATTTCTTCGTTTAACATTTGAACCTC---TCCTATCCGAGGCAGCA
ECR9_human GGGAGAGGGCACAAATTTCTGCATTTAACATTTGAACCTC---TCCTATCCGAGGCAGCA

Region 5

Region 4

ECR9_chick GGCCGTTGTGCGGGGGT-CGCTGACCCCGAGCCCGCTCCCGAGCCCTCAGCTGCCTC
ECR9_mouse GGCCGTTTGTCTCGGGTTCGCTGAC-----CCTCGCTCCCCATCAGCTGCCCT
ECR9_human GGCCGTTTGTCTCGGGTTCGCTGAC-----CCTGGCTCCCCCATCAGCTGCCCT

Region 3

ECR9_chick CCGGCCCTAATTGAATGACAGATGGTCAGCGGCGAGAGGGCAGGAGCCGGCCCGCG
ECR9_mouse GAAACCTTAATTGAATGACAGATGGTCATTTTCGGGGCCGCAAGAGCTGCGCTGGCCAG
ECR9_human GAAACCTTAATTGAATGACAGATGGTCAT-----

ECR9_chick CCCCAGCACTGCTGCCACGCGCCCGAGGGCCGCTCGGCCGCCACTAAGGAGCGGGG
ECR9_mouse TGG-AGGGGCTCAGGCCGAGAAGGCTTGTCTAGGCTCTGCTGCT-----
ECR9_human -----

ECR65_chick TTTCCATGCATCAGCTGCTATTGTATGACCATAACATAATGGGTCTAAGTGCCTACATCA
ECR65_mouse -----
ECR65_human -----

ECR65_chick GATGCCTATTATGTGAAATTAATTTTGAACATATGCTGTTGATTATACCATTGTTG
ECR65_mouse -----
ECR65_human -----

ECR65_chick TTTTCATGCTAGATTAATCTTCAAGGTTATAATCACATGACACTTATCATTTTAAATAT
ECR65_mouse -----
ECR65_human -----

Region 1

ECR65_chick GCCTCTTTAGTTGCAACATATGACAGCTTTTGACTTCTCACCTCTCCTTCTGCATGTGT
ECR65_mouse -----TTGTATTGTGT
ECR65_human -----TTGTATTGTGT

Region 2

ECR65_chick GACAGATAAAATTTAATAAATGCTTGTATTATGTAGTTATGCTGTACATGTCACACA
ECR65_mouse GACCAATGAGATTATTAATAAATGCTTTTTCATGTTATCCAGGCTGTAGGTGCCACG
ECR65_human GACCAATGAGATTATTAATAAATGCTTTTTCATGTTATGTTATGTTAGTTAGGTGCCACA

Region 3/5

ECR65_chick GGGTGTAGGTTGGCTTGTGTATTTTACCAGAGTACAGTGTGAGCAGGCTTTGTGGT
ECR65_mouse GGGTATGGGCGAGCCTCCTGTATTTTATTTCTGGGTGAGTGTGAGCAGGCTTTGTGGAT
ECR65_human GGGTATGGGCTGGCTCATGTATTTTATTTCTGGGTGAGTGTGAGCAGGCTTTGTGGAT

Region 4

ECR65_chick TTGCTAATGAGCTAAATCCCACTAACACCACACACTTAACTGCCAAAAGCCCTTTA
ECR65_mouse TTGCTAATGAGCTAAATCCCGTTAGTGCCACACGCCCTGGATGGC--CAGAGATCTTTTA
ECR65_human TTGCTAATGAGCTAAATCCCGTTAGTGCCACATGCCCTGGATGC--CAGAGATCTTTTA

ECR65_chick CACATTCAAACACATACAAAGACTCAGCTGGTCCCTTTGTATAAAAGATTAACTCTTTAT
ECR65_mouse AATACATCATTTGCTCACAGAGACTCAGCTGGACTCAGGCAGAGAGATTAACTCCTCAT
ECR65_human AATACATCATTTGCTCAGAGACTCAGCTGGGTTGATGAGAGAGATTAACTCCTCAT

ECR65_chick TCCAATTAAGATGAGCTGGCTGGCTTGGTCCAA-----
ECR65_mouse TCCAATTAGCAAAGAGTCCGACTGTTGCATGT-GGCTTGTCTGTAGCCCAACCCGGG
ECR65_human TCCAATTAACAGAGATCATACTGTTGAGAGAGGGTGTCTTATGTAGCCCAACCTAG

ECR9 bHLH Site 4

GGCCCTAATTGAATGACAGATGGTCAGC
AACCTTAATTGAATGACAGATGGTCATT
AACCTTAATTGAATGACAGATGGTCAT-
** *****

ECR9 bHLH Site 3

CCGCTCCCCAGCCCCTCAGCTGCCTC
--CCTCGCTCCCCCATCAGCTGCCCT
--CCTGGCTCCCCCATCAGCTGCCCT
** * ** *****

ECR65 bHLH site

TACAAAGACTCAGCTGGTTCCTT
CACAGAGACTCAGCTGGACTCAG
CTCAGAGACTCAGCTGGGTTTCAG
** *****