

amh

Gene ID: evm.TU.LG21.491strand: +start: 17832766end: 17836251length: 3486

Transcript ID: evm.model.LG21.491 start: 17833436 end: 17835413 length: 840

CDS (evm.model. LG21.491) Length:840 type:complete

ATGGCTGGAGTAAGGACGAAGTTCTTAAATGAAGTCTCCCCTCAGGGAAAT
CCACTACTTGCACAAGATGAGGTCAGGACAGTCAGCTCGAGTGTTCTTCAC
TCTCTGCCCCCTTTAACTCTTGGAGTGTCTTCAAGCGAGTCTCTTCTTCTTG
AGCTGGTCAATTCCTCAGGCCCAACTGTGTTCTACTTCCCCCGCCAAAGCT
TGGGACTGAGGACCCACCGAGTGGAGCTGGCCCTAAAGCCATCACTGCGC
TCTGTGTTGAAATTAAACTAGATGAGGCTTTAGCCCAAGTGCAGATGGAG
GAAGTTGGACGTGGTGCGCTAGATAAGCTGCAGATTCTCAGTGTTCTCAGT
ACACTTCCTGAAGATGGAGAGGAGCTGGAAACAGGTGATCAGTTTACTGT
TGTTGCTGTCTGTTTGGGGAACCAACGTGAGGTCCAATACAGAGCCCTCTT
ACTGCTGAAGGCCTTACAGGCTGTGCTAGGTGCTTGGGCAGTAGAAAGAG
CACAGAGGGCAGCCCGAGCTGGTCAGGAAGGACCCACAAGGCTTAGTCA
GTGTCATCTTGAGAGTTTCACTGTGTCTCTGGAGAAGTACCTGTTGGAACC
TGCCACGGCCAACATTAACAACACTGTGAAGGAGCATGTGGATTCCCCCTGAT
CAACGGTAACAACCATGCCATCCTATTGAACAGTCACTTCCAGAGTGGACA
ACCTCTAAATCGTACACTCTGCTGTGTGCCCGTGGCATATGATGACCTATGT
GTGATTGAGCTGTACAGTGATTCCACCACCATTCTTACAAGACCAACATG
GTAGCCAAGGAGTGTGGATGTCGCTGA

protein(evmodel.LG21.491) Length: 279

MAGVRTKFLNEVSPQGNPLLAQDEVRTVSSSVLHSLPPLTLGVSSSESLLLLLV
NSSGPTVFYFPRQSLGLRTHRVELALKPSLRSVLKLKLDEALAQVQMEEVGR
GALDKLQILSVLSTLPEDGEETGDQFTVVAVCLGNQREVQYRALLLLKALQ
AVLGAWAVERAQRAARAGQEGPTRLSQCHLESFTVSLEKYLLEPATANINNCE
GACGFPLINGNNHAILLNSHFQSGQPLNRTLCCVPVAYDDLCVIELYSDSTTIS
YKTNMVAKECGCR

dax1

Gene ID: evm.TU.LG22.331strand: -start: 16556084end: 16557261length: 1178

Transcript ID: evm.model.LG22.331 start: 16556084 end: 16557261 length: 873

CDS (evm.model. LG22.331) Length:873 type:complete

ATGCATGGAAGTGAGCAGAAGAAGAGACATCTGTTCCAGTCAGGACGCTC
GGCGAGCATGGCTCATTCTGGAGAGTTGTGAGTGCGGGCGGCGAGCGGGCGCC
ACCCGAGCATTCTCTACAGCCTGCTGAAGAAGGAGAGCGCGCCGGGCGCG
TCCGCGCGAGCGCCTCGCAGCGCCAGGTTCGCCGTGGCGGGCGCGCACGTG
CGCGTGCGGTGTCGCGCGGGCCGGTAGCGCTGCGCTCTCCGCACGCAACGT
GCGCCGCGGCCTCGGCTGTGCTCGCCAAGACGCTGCGCTTCGTCAAGAGC
GTGCCGTGTTTCGGTGAGCTGCCCCCCTGCGACCAGCGCGCTCTGGTGCG
AAGTGGCTGGGCGCCGTTGCTTGTGCTCGGAATGGCGCAGGACGGACTGG
ACTTCGAGACGCGCGAGAGCGCCGAGCCCAGCATGCTGCAGCGCCTCCTC
ACCGGCGCGCACGAGCGGCCCCGCGAGCCCGCACGACCACGGCGCTCACG
TCATTAACGGCGGGCGGAGGGGTGGCGCTGGCCGAGGCGCAGGGCATTAAA
GCGTTCCTCAGCAAATGCTGGGACCTCGACATCAGCACCAAGGAATACGCC
TACTTAAAGGGAGCCATTCTGTTTAACCCAGACATTGCCGGACTGCAGTGT
CAGCACTACATCCAGGCTCTGCAGAGCGAGGCGCACCAAGGCTCTTAATGA
ACATGTCAAACCTGATTCACCGAGGAGACACCACGAGGTTTGCCAAACTCT
TCATTGCCCTCTCAATGCTACGATCCATCAACGCCAATGTCGTGGCAGGGCT
CTTCTTCAGACCTGTCATTGGCACAGTAAACATGGAAGAACTTCTCCTCGA
GATGTTTTACGGAAAGTAG

Protein (evm.model.LG22.331) Length: 290

MHGSEQKKRHLFQSGRSASMAHSECECGGERRHPSILYSLLKKESAPGASAR
APRSARFAVAARTCACGVARPVALRSPHATCAAASAVLAKTLRFVKSVPFCGE
LPACDQRALVRSGWAPLLVLGMAQDGLDFETRESAEP SMLQRLLTGAHERPA
SPHDHGAHVINGGGGVALAEAQGIKAFLSKCWDLDISTKEYAYLKGAILFNP
IAGLQCQHYIQALQSEAHQALNEHVKLIHRGDTTRFAKLFIALSMLRSINANV
VAGLFFRPVIGTVNMEELLLEMFY GK

nanos1

Gene ID: evm.TU.LG18.427strand: -start: 13963549end: 13978279length: 14731

Transcript ID: evm.model.LG18.427 start: 13963549 end: 13978279 length: 936

CDS(evm.model.LG18.427)Length:936 type:complete

ATGGACCCAGCAGACAAGGGGGAAAGGCTTATAACCAGCAGCCTCGCGCG
CAGCCCGAAATACCCAAGACAAGCGCTGGACCTGACTACATCTGTTAGCTA
CTTGCCGTTTCAATTGGGACGGAATATTTATTATCCGTTTTATCCTGCACAGA
GAGGCGCCGTCGCGCCGCTCGGGAGTCAGGGGAAAAGCGAGATGGATTTT
TTAAACCACAGCTACTTAAGCGCGCGCACGTCCTACGACTACACGTTCAAC
TTCTGGAACGACTATCTGGGCCTGTCCACGCTGGTGACGCAGAGCAGCAA
GCGCGGTCCCCGGCGGGAGCGAGCCCCAACTCCATCACCGAATCTCTGA
AAGCCACACTGGGCCTGGATGACCCTGTGCCGTGCCCATGCGCCGCGCAC
TTGGACTACTGCTGCTGCTCATCCTCGTGCTGCTCCTCTTCCTCGTCGTGCG
GCTGCTGCTGCCCTCCCGCAAGCCCGCCGCGCCTTCCCTAGTTGAGCTCA
AGGAGCGCTTCTCGGCGCTCGGGCCGTTCCGTAGCCACGGCGCAGGGATT
GTAGGGCATGAGCGCGACGCGGGCTTCGGAGGAGGAGGAGGAGGAGGAG
GAGGTGGAAGTTTCGCGGCTTTCGAGCTGTTTCGGCGCGGATAGGAAGGTG
CGCAAGACAGCTGCGGCGCGCGCCAAGCAGGAGCCCAAGATCTGCGTGTT
CTGTCTGGAATAACGGCGCGCCTGAAGAGGTGTACGGCTCGCACGTGCTGA
AGGCGCCCGACGGCCGCGTGGTGTGCCCCGATCCTGCGCGCATAACAGTGC
CCGCTGTGCAGCGCCAACGGCGACAACGCACATACCATCAAGTACTGTCC
ACTCTCCAAGGAGCAGCCCGCGCCTCGAGCGCTCAAAGGAGGCCGGGCTG
TGGGCGGTAAGCGCGTCAAAATCTTCTAA

Protein (evm.model.LG18.427) Length: 311

MDPADKGERLITSSLARSPKYPRQALDLTTSVSYLPFQLGRNIYYPFYPAQRGA
VAPLGSQGKSEMDFLNHSYLSARTSYDYTFNFWNDYLGLSTLVTQSSKRGP
GGASPNSITESLKATLGLDDPVPCPAHLDYCCCSSSCSSSSSCGCCCPPASP
PPPSLVELKERFSALGPFRSHGAGIVGHERDAGFGGGGGGGGGGSFAAFELFG
ADRKVRKTAAARAKQEPKICVFCRNNGAPEEVYGSHVLKAPDGRVVCPI
LRA YTCPLCSANGDNAHTIKYCPLSKEQPAPRALKGGRAVGGKRVKIF

ar

Gene ID: evm.TU.LG08.21strand: .start: 4453979end: 4539864length: 85886

Transcript ID: evm.model.LG08.21 start: 4453979 end: 4539864 length: 2571

CDS (evm.model. LG08.21) Length:2571 type:complete

ATGGAAGCTCGGTTTCGGTTTAGGCGGAGTTTTTGATTCTCCGTTCCGAACG
GTGCGTCCGCATGGCGCGCGAGACATCGGAGCGGCGGGAGAAGTTGTTCC
GCTGGCGGAGATGTGGGACGGAGAGTGGAGAGACGCGCGCGGGATTAGC
AGCACCGGCGGCGGCGGAGGAGGAGGAAGTGGGGGAGGAGGAGGAGGA
GGAGGAGGGACAGCGCGCTCCGTTACAGCGGCGCTCGCGCGGGACGGAA
GAGAAACCTCGAGTTGCACGGAGGCCCGCGCCGCCACCACCACGCTGAG
GGAGCTGCTCTGTCCGGACACCGGATACAACAACAACACAGCAGCA
GAAGCAGCAGCGACAACCACAACACCGCTCCGAGAGCACGCGGCAGCGC
GCGCGAGCTGACAGCCGGCGGTGGTGGTGACACGAGCGCCGACCCGAGC
TGCTGCTGTTCCGGAAGCACCGGCACGACCACCAGCACCCACGACCATCTC
TGAGACGGCGCGCGAGCTGTGCAAAGCCGTGTCCGTGTCGCTGGGGCTGG
CCATGGACCCGCACGCGCACCCAGGACGGGAACAGGAGCTCGGACTTTTTTC
GAAGTGCGCCGGAGGAAGGAGGAGGAAGAGGAGCGGGTGACGCGCCA
AGCGACGACAGGAACAGAAGGATCAGCAGCAGCAGCGCGAGCGCAGGTG
GAGGTTGCGCCTCAGGGGAACGTGAGGGACGCGCGCCGCACGTGCACGG
CGACAACAACAACTGCTCGAGATGTTCAAAGTGGGGGCGAGGAGAAC
CTGATGATGATGACGACGATACAGATGGACAACGTTTCGCGCGCATCACCAT
ACGTCAGTGATAACGGAAAATTCGGAGTTCGGACCGGGCGTCGCGAGCCT
GATGAGTTCCAAAAGCGCGAGCGCGGGCGGGTTCGTCGTCTTCCTCTTC
GTCCTGTCAGTTCCAACAACAACAACACTACACGACCCGCAGGTAAACT
TCGAGCACGCGCCGCCCCTGCACGACAGGTACGGTGATGATTACTACTACT
ACTGGCCGCGCTACAGCAACGTGCGCGTGAAGTCCGAGGCCGTGCCGCCA
TCGGTGACTCGCTACTGTCACGACGCTGCGCAGTACGGGAATCCCACGTGC
ACCGCCTCCTCCGCCGGACTGGACGCGCCGCTCATCTGCAGCCCGTACGAG
TACGACTACGGCGCGCGGACCGGACCGGGACCGGCTCTCAGCGCCGCGCA
CGAGTCATGGTACCACCAGAGCGGCGCCGTGTTACCCCGCGTGTCTACCC

AACCGCCACGTGCATGAAGAACGAAGTCGGGGAATGGCTGGATGTGAGCA
CGATGCAGGACGGCAGGTTGGAGAGTGCGAGGGAGGTGTTCCCATGGAG
TTTTTCTTCCCTCCGCAGCGCACCTGCCTGATCTGCTCTGATGAAGCTTCCG
GTTGCCATTACGGAGCTCTGACCTGCGGCAGCTGCAAAGTGTTTTTCAAAA
GAGCGGCTGAAGGGAAGCAGAAGTATCTGTGTGCGAGCAGGAACGACTG
CACCATCGATAAGCTGAGGAGGAAGAACTGTCCGTCATGCCGTCTGAAGA
AGTGCTTTGAGGCAGGAATGACTCTCGGAGCTCGTAAACTGAAGAAGATT
GGTCACCTGAAGGTTCCCTGAAGAGGAGGGCCCGGTTTCATCTATGCCGTCC
GGTTCCGGTTCGGTCGAGATGATCCGGAATCCATCACCCAAAGCGAGTCTG
ACGCTCCACTCACAGCTCGTCTTCCTCAGCATCCTGGAGTCCATCGAGCCT
GAAGTGGTGAACGCCGGTCATGACCACGCACAGCCCGACTCCGCTGCTGC
CCTCCTGACCAGCCTTAACGAGCTTGGAGAGAGGCAACTCGTTAAGGTGG
TGAAATGGGCCAAAGGACTGCCAGGATTCCGTAACCTCCACGTGGACGAT
CAGATGACGATGATCCAACATGCCTGGATGGCTGTGATGGTCTTCGCTCTC
GGATGGAGATCGTACAAAAACGTCAACGCTCGCATGCTCTACTTCGCTCCT
GACCTGGTCTTCAATGATCGGAGGATGCACATCTCCAGTATGTATGAACACT
GTCTGCAGATGAAACACTTGTCGCAGGAGTTCGTTTTGCTGCAGGTCACAC
AGGAGGAGTTTCTCTGCATGAAGGCCCTCCTCCTCTTCAGCATCATTCCTGT
GGAGGGATTGAAGAGTCAGAAGTACTTTGATGAGTTGAGGTTGTCGTATAT
AAACGAACTCAATCGTCTGATTAATTACGGCAGGAAGAGTAACTGTGCACA
GCGTTTCTACCAACTGACCAGACTGATGGACTCACTGCAGCCGATTGTCCG
GAAGCTTCACCAGTTCACCTTTGACCTTTTCGTTTCAGGCTCAGTCTCTGCC
CACGAAGGTCAGCTTCCCGGAGATGATCGCCGAAATCATCTCAGTGCAGGT
ACCAAAGATCCTCGCCGGCCTGGCCAAGCCCATCCTGTTCCACAAGACTGT
GACTCCGCCCTCTCCCGCACCCATTCTGGTCACACCCACTCAGCCAGACCT
GGCCTGA

Protein (evm.model.LG08.21) Length: 856

MEARFGLGGVFDSPFRTVRPHGARDIGAAGEVVPLAEMWDGEWRDARGISS
TGGGGGGGSGGGGGGGGGTARSVTAALARDGRETSSCTEARAATTTLRELLC
PDTGYNNNNHSSRSSSDNHNTAPRARGSARELTAGGGGDTSADPSCCCSGST

GTTTSTTTISETARELCKAVSVSLGLAMDPHAHQDGNRSSDFFEVRRRKEEEE
ERVHAPSDDRNRRISSSSASAGGGCASGEREGRAPHVHGDNNKLLEMFKSGG
EENLMMMTTIQMDNVRAHHHTSVITENSEFGPGVASLMSSKSASAAAGSSSS
SSSCQFQQQQQLHDPQVNFEHAPPVHVDYGGDYWWWPRYSNVRVKSEAVP
PSVTRYCHDAAQYGNPTCTASSAGLDAPLICSPYEYDYGARTGPGPALSAHE
SWYHQSGAVLPRVSYPTATCMKNEVGEWLDVSTMQDGRLESAREVFPMEFF
FPPQRTCLICSDEASGCHYGALTCGSCKVFFKRAAEGKQKYL CASRNDCTIDK
LRRKNCPSCRLKKCFEAGMTLGARKLKKIGHLKVPEEEGPVSSMPSGSGSVE
MIRNPSPKASLTLHSQLVFLSILESIEPEVVNAGHDHAQPDSAAALLTSLNELG
ERQLVKVVKWAKGLPGFRNLHVDDQMTMIQHAWMAVMVFALGWRSYKNV
NARMLYFAPDLVFNDRRMHISMYEHCLQMKHLSQEFVLLQVTQEEFLCMK
ALLFSIIPVEGLKSQKYFDELRLSYINELNRLINYGRKSNCAQRFYQLTRLMD
SLQPIVRKLHQFTFDLFVQAQSLPTKVSFPEMIAEII SVQVPKILAGLAKPILFH
KTVTPPSPAPILVTPTQPDLA