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#NEXUS
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BEGIN DATA;
  DIMENSIONS NTAX=88 NCHAR=72;
  FORMAT MISSING=X GAP=- DATATYPE=PROTEIN;
MATRIX
Tc_eve  IRRYRTAFTREQLARKEFFKENYVSRP RRC E L A Q L N L P E S T I K V W F Q N R R M K D K R Q R M A I A W P Y A A V Y [ 72 ]
Bf_Mox  PRKERTAFTKQ Q I M E L E N E F R H H N Y L T R L R R Y E I A V K L D L T E R Q V K W F Q N R R M K W K R T K G G A A M R D K E A L K [ 72 ]
Fen_Mox  PRKERTAFTKQ Q I K A L E K E F N Q H N Y L T R L R R Y E I A V A L D L T E R Q V K W F Q N R R M K W K R V K G S Q I A K D K V N Q P [ 72 ]
Nv_Hox7  RKGRG R Q T Y T R Y Q T L E L E K E F H F N R Y L T R R R I E I A H S L C L T E R Q I K I W F Q N R R M K W K K E N K I V D N G P P M H G C [ 72 ]
Es_antp  RKGRG R Q T Y T R Y Q T L E L E K E F H F N R Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K W K K E N K A E M P G T E N G K P [ 72 ]
Fen_Hox6  RKGRG R Q T Y T R Y Q T L E L E K E F H F N R Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K W K K E Q K A A L G V G M P G P G [ 72 ]
Tc_antp  RKGRG R Q T Y T R Y Q T L E L E K E F H F N R Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K W K K E N K T K G E G G S E G G G [ 72 ]
Lin_ant  RKGRH T Y S R H Q T L E L E K E F H F N R Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K W K K E N K G I E L S R D S P P - [ 71 ]
Cc_Hox7  RKGRG R Q T Y T R Y Q T L E L E K E F H F N R Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K W K K E N K R Q I E V L R O H T D D [ 72 ]
Fen_Hox7  RKGRG R Q T Y T R Y Q T L E L E K E F H F N R Y L T R R R I E M A H A L C L T E R Q I K I W F Q N R R M K E K K E K Q K I E E M K V D G V S [ 72 ]
Bf_Hox8  RRRGR Q T Y S R Y Q T L E L E K E F H F N K Y L T R R R I E I A H A L G L T E R Q I K I W F Q N R R M K L K E A A M L C P P K A E T E T [ 72 ]
Es_lox4  RRRGR Q T Y S R F Q T L E L E K E F Q Y N N Y L T R K R R I E V A H A L N L S E R Q V K I W F Q N R R M K L K E K Q Q I R E M N G A C R S [ 72 ]
Nv_lox4  E E R G R Q T Y S R Y Q T L E L E K E F R F N H Y L T R K R R M E I A H V L C L T E H Q I K I W F Q N R R M K L K R E L Q I K E L N R D I T G [ 72 ]
Cc_lox4  RRRGR Q T Y S R Y Q T L E L E K E F Q F N H Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K L K R E Q Q I K D L N G L D G K [ 72 ]
Tc_abdA  RRRGR Q T Y T R F Q T L E L E K E F H F N H Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K L K E L R A V K E I N E Q A R R [ 72 ]
Tc_Ubx  RRRGR Q T Y T R Y Q T L E L E K E F H T N H Y L T R R R I E M A H A L C L T E R Q I K I W F Q N R R M K L K E I Q A I K E L N E Q E K Q [ 72 ]
Cc_lox2  RRRGR Q T Y T R Y Q T L E L E K E F K F N R Y L T R R R I E L S H M L C L T E R Q I K I W F Q N R R M K E K K E I Q A I K E L N E K E K T [ 72 ]
Nv_lox2  RRRGR Q T Y T R Y Q T L E L E K E F K F N R Y L T R K R R I E L S H M L C L T E R Q I K I W F Q N R R M K E K K E I Q A I K D L N A E R E P [ 72 ]
Ls_Hox7  RKGRG R Q T Y T R Y Q T L E L E K E F H F N K Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K W K K E N K Q P V G I V C K E E [ 72 ]
Bf_Hox7  RKGRG R Q T Y T R Y Q T L E L E K E F H F N K Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K W K K E N K L Q Q P A E S [ 72 ]
Fen_Hox5  Q K R T R Q T Y T R H Q T L E L E K E F H F N R Y L T R R R I E I A H A L G L T E R Q I K I W F Q N R R M K W K K E N N L K S I N D A K P E F [ 72 ]
Es_lox5  Q K R T R Q T Y T R F Q T L E L E K E F H F N R Y L T R R R I E I A H S L G L S E R Q I K I W F Q N R R M K W K K E N N V S K L T G P D K S K [ 72 ]
Nv_lox5  Q K R T R Q T Y T R Y Q T L E L E K E F H Y N R Y L T R R R I E I A H A L G L T E R Q I K I W F Q N R R M K W K K E N N L S K L T G P N G E P [ 72 ]
Cc_lox5  Q K R T R Q T Y T R Y Q T L E L E K E F H Y N R Y L T R R R I E I A H A L Q L T E R Q I K I W F Q N R R M K Y K E N N I S K L T G P N G E L [ 72 ]
Bf_Hox6  K K R G R Q T Y T R Y Q T L E L E K E F H F N K Y L T R K R R I E I A H L L G L T E R Q I K I W F Q N R R M K W K K E N N I S K L T G P N G E L [ 72 ]
Dj_plox6  H K R S R Q T Y T R Y Q T L E L E K E F H F N K Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K W K K D H N I P K L N G P T L E [ 72 ]
Tc_Scr  T K R Q T S Y T R Y Q T L E L E K E F H F N R Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K W K K E H K H M A S M N I V P Y H M [ 72 ]
Es_scr  S K R S R T S Y T R H Q T L E L E K E F H Y N K Y L T R R R I E I A H A L N L T E R Q I K I W F Q N R R M K W K K E H K L S H I A K N M N V C [ 72 ]
Nv_Scr  S K R T R T S Y T R H Q T L E L E K E F H F N R Y L T R R R I E I A H A L N L T E R Q I K I W F Q N R R M K W K K E H K L G H L A K S Q G T K [ 72 ]
Cc_Scr  N K R T R T S Y T R H Q T L E L E K E F H F N R Y L T R R R I E I A H S L N L T E R Q I K I W F Q N R R M K W K K E H K L A H L A K S Q A Q K [ 72 ]
Fen_Hox4  P K R A R T A Y T R H Q V L E L E K E F H F N R Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K W K K D H G L P N T K T V K S R A [ 72 ]
Bf_Hox4  T K R S R T A Y T R Q V Q L E L E K E F H F N R Y L T R R R I E I A H A L S G L T E R Q I K I W F Q N R R M K W K K D N R L P N T K T R S S A [ 72 ]
Tc_Dfd  P K R Q T A Y T R H Q I L E L E K E F H Y N R Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K W K K D N K L P N T K V N R R K T [ 72 ]
Nv_Dfd  S K R T R T A Y T R H Q V L E L E K E F H F N R Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K W K K E N K L P N T K N R L S N N [ 72 ]
Cc_Dfd  S K R T R T A Y T R H Q I L E L E K E F H F N R Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K W K K E H K L P N T K T R L T D S [ 72 ]
Bf_Hox5  N K R T R T A Y T R Y Q T L E L E K E F H F N R Y L T R R R I E I A H A L C L T E R Q I K I W F Q N R R M K W K K E N K L K S L S Q C Q O T Q [ 72 ]
Sr_Cent  C K R T R T A Y T R F Q T L E L E K E F H F N R Y L T R R R I E I A N L L A T E R Q I K I W F Q N R R M K W K K D N N L K S M S Q I D S I T [ 72 ]
Tc_ftz  N K R T R Q T Y T R Y Q T L E L E K E F H F N K Y L T R R R I E I A E S R L R T E R Q I K I W F Q N R R M K A K K D T K F T E Q S V T S T F D [ 72 ]
Fen_MP  H R K R R Q T Y T R H Q T A E L E R E F V T N R Y L T R R R I E I A R Q L N L T D R Q V K I W F Q N R R M K R M K R M Q R H E E E ----- [ 66 ]
Sc_MP  H R K R R Q T Y S R Q Q T A E L E R E Y V S N R Y L T R R R I E I S Q H D L S E R Q I K I W F Q N R R M K R M K R M Q R H E E E ----- [ 66 ]
Bf_Hox9  S R K K R C P Y T R F Q T L E L E K E F L Y N M Y L T R R R I E I S Q H V N L T E R Q V K I W F Q N R R M K M K M S ----- [ 60 ]
Sr_Post  S R K K R R P Y P K N Q T L E L E K E F L F N T Y I T R R R L E I A R S L N L T D R Q V K I W F Q N R R M K N K Q H S G G P G M P P I P G [ 72 ]
Bf_Hox12  S R K K R C P Y S K V Q L L E L E K E F L Y N M Y T T R E Q R E I A R V N L T D R Q V K I W F Q N R R M K M K R M Q R H E E E ----- [ 66 ]
Bf_Hox10  G R K K R C P Y T K Y Q I L E L E K E F L F N M Y V S R E R R Q E I S R H V N L S D R Q V K I W F Q N R R M K M K R M Q R H E E E ----- [ 60 ]
Bf_Hox11  T R K K R C P T K Y Q T L E L E K E F L F N M F V T R E R R Q E I A R Q L N L T D R Q V K I W F Q N R R M K M K R M Q R A M ----- [ 64 ]
Sr_Cdx  K D K Y R V V Y T D R Q R A E L E N E F R S A Q Y I T I T R R K S E L A M Q V G L S E R Q V K I W F Q N R R A K E R K V S R K V P G G G N H S S [ 72 ]
Cc_Cdx  K D K Y R I V Y S E Y Q K V E L E K E Y L Y S K Y I T I T Q R K A E L S R S I G L S E R Q V K I W F Q N R R A K E R K Q K R K M E E A L S T D S [ 72 ]
Nv_Cdx  K D K Y R V V Y T D H Q R L E L E K E F H Y S R Y I T I T R R K A E L A Q N L N L S E R Q V K I W F Q N R R A K E R K Q N K K R E D G M Q G A G S [ 72 ]
Tc_Cdx  K D K Y R V V Y T D H Q R V E L E L E K E F Y Y S R Y I T I T R R K A E L A N S L G L S E R Q V K I W F Q N R R A K E R K Q V K K R E E V T Q K D S P [ 72 ]
Fen_Cdx  K D K Y R V V Y S D H Q R I E L E K E Y L Q S P Y I T I T Q R K A E L A Q T L D L S E R Q V K I W F Q N R R A K E R K Q F K K D S S A D S G K D [ 72 ]
Bf_Cdx  K D K Y R V V Y S D H Q R L E L E K E F Y S N K Y I T I T Q R K V Q L N L S E R Q V K I W F Q N R R A K E R K Q R M A ----- [ 60 ]
Cc_Post1  P K K K R C P Y S K P Q V S A L E N E Y S T S T Y I T K A R K V E A R E L D L T E R Q I K I W Y O N R R I E K K I A T K R A K V O S D L F M [ 72 ]
Tc_AbdB  V R K K R C P Y S K F Q T L E L E K E F L F N A Y V S K Q K R W E L A R N L N L T E R Q V K I W F Q N R R M K N K N S Q R Q A A Q Q N N N N [ 72 ]
Bf_Hox13  G R K K R C P Y T K Y Q L S V L E Q E Y I Q N R Y V S R E T R L E S Q S R Q N L N L T D R Q V K I W F Q N R R M K Q K R L E ----- [ 60 ]
Bf_Hox14  V R P K R R P Y S K Y Q L N E L E N E Y V Q N Q Y I S R D K R L Q L S Q S Q L N L T E R Q V K I W F Q N R R M K Q K K L D ----- [ 60 ]
Es_post1  L R K R R R P Y S K Y Q I A E L E R E Y A L S T Y I S K S R R W E L S Q S L L N L S E R Q I K I W F Q N R R I K A K K L Q K R D E T L K T Q P N [ 72 ]
Nv_Post1  M R K K R K P Y S K Y Q I A E L E R E Y V N N T Y I T K P K R W E L S Q R L N L S E R Q V K I W F Q N R R M K S K K L R E R S T S G A T G N E D [ 64 ]
Es_post2  G R K K R C P Y T R Y Q T M V L E N E F L N S S Y I T R Q R K R W E I S C K L Q L T E R Q V K W F Q N R R M K R K K L N E R A K L R E D R E [ 72 ]
Nv_post2  Q R K K R C P Y T R Y Q T M V L E N E F M G N S Y I T R Q R K R W E I S C K L H L S E R Q V K W F Q N R R M K R K K L N E R A K S L I K D H E P [ 69 ]
Cc_Post2  Q R K K R C P Y T R Y Q T M V L E N E F I N N S Y I T R Q R K R W E I S C K L H L S E R Q V K W F Q N R R M K R K K L N E R A K S L I K D H E P [ 72 ]
Fen_PostB  C R T K R C P Y E K W V T Y L L E E E Y L S N T Y I T K Q K R Y E L S Y R T S L T E R Q V K I W F Q N R R M K S K K L R E R S T S G A T G N E D [ 72 ]
Fen_Posta  I R K K R C P Y T K H Q T F I L E Q E Y L M S T Y I T R Q R R L E A R N L S L T E R Q V K I W F Q N R R M K T K K L R E R N K V S V G P D S T [ 72 ]
Cc_Xlo  N K R T R T A Y T R A Q L L E L E K E F H F N K Y I S R P R R I E L A A M L N L T E R H I K I W F Q N R R M K W K K D E A K R R P R P L K S G S [ 72 ]
Bf_Xlo  N K R T R T A Y T R G Q L L E L E K E F H F N K Y I S R P R R I E L A A M L N L T E R H I K I W F Q N R R M K W K K D E A K R R P R P L K S G S [ 72 ]
Nw_xlo  ----- H F N K Y I S R P R R I E L A A M L N L T E R H I K I W F Q N R R M K W K K D E A K R R P R P L K S G S [ 52 ]
Es_xlo  N K R T R T A Y T R G Q L L E L E K E F H F N K Y I S R P R R I E L A A M L N L T E R H I K I W F Q N R R M K W K K D E A K R R P R P L S T S T [ 72 ]

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Sr_labi TRGGRTNFTNKQLTELEKEFHFNRYLTRARRIEATSLTNETOVKIWFQTRRMKQKKLLKEGKLS----- [ 66]
Fn_Hox1 NNTGRTNFTTKQLTELEKEFHFNKYLTRARRIEIAGALQLNETOVKIWFQNRMMQKKRMKEGLIPPDPALT [ 72]
Tc_lab LNTGRTNFTNKQLTELEKEFHFNKYLTRARRIEIASALQLNETOVKIWFQNRMMQKKRMKEGLIPPEPISA [ 72]
Es_lab NSTGRTNFTNKQLTELEKEFHFNKYLTRARRIEIAAALGLNETOVKIWFQNRMMQKKRLKEAQGTPGLGNT [ 72]
Bf_Hox1 PNNGRTNFTTKQLTELEKEFHYNKYLTRARRVEIAAALNLNETOVKIWFQNRMMQKKREKENG----- [ 64]
Nv_lab PNMGRTNFTNKQLTELEKEFHFNKYLTRARRIEIAAALGLNETOVKIWFQNRMMQKKRMKETNVSPTF--- [ 69]
Cc_lb PNMGRTNFTNKQLTELEKEFHFNKYLTRARRIEIAAALGLNETOVKIWFQNRMMQKKRMKENTSTTPVSDS [ 72]
Tc_hox3 GKRARTAYTSAQLVELEREFHHGKYLSRPRRIQIAENLNLSERQIKIWFQNRMMKHKEQMNKVSTPRSSPA [ 72]
Bf_Hox3 GKRARTAYTSAQLVELEKEFHFNRYLCPRRVEMAAMLNLTERRQIKIWFQNRMMKVKKEQKVGGGSGGSG [ 72]
Es_hox3 AKRARTAYTSAQLVELEKEFHFNRQYLCRPRRIEMAALLNLSERQIKIWFQNRMMRFFKEKQLKVNMDKSGCG [ 72]
Nv_hox3 SKRARTAYNSAQLVELEKEFHFNRYLCPRRRIEMAALLSLSERQIKIWFQNRMMKYKKDQRMKPNEKE--- [ 69]
Cc_Hox3 SKRARTAYTSAQLVELEKEFHFNRYLCPRRRIEMAALLNLTERQIKIWFQNRMMKYKKDQKQKNLMEKQYAG [ 72]
Bf_gsx SRRMRATFSSTQOLLELEREFASNYMLSRLRRIEIATFLNLSERQVKIWFQNRVRVHKKEA----- [ 60]
Cc_Gsx VKRMRTAFSSTQOLLELEREFASNYMLSRLRRIEIATYLSLSEKQVKIWFQNRVRVFKKEGAHGSRDHPHQ [ 72]
Tc_ind SKRIRTAFTSTQOLLELEREFASNYMLSRLRRIEIATCLRLSEKQVKIWFQNRVRVYKKEDLPAAAGKASGN [ 72]
Nv_gsx GKRIRTAFTSTQOLLELEREFSSNYMLSRLRRIEIATYLNLSERQVKIWFQNRVRVYKKEGVTDSDRKCRCLR [ 72]
Es_gsx SKRIRTAFTSTQOLLELEREFASNYMLSRLRRIEIATYLNLSERQVKIWFQNRVRVYKKEGTGESGEKCRLR [ 72]
Bf_Hox2 SRRRLRTVFTNTQOLLELEKEFHYNKYVCKPDRKEIASYLDLNERQVKIWFQNRMMRQKRRDTKGR----- [ 64]
Cc_pb PRRRLRTAYTNTQOLLELEKEFHFNKYLCPRRRIEIAASLDLTERQVKVWFQNRMMKFKRQTKGLPDGSDD [ 72]
Nv_pb PRRRLRTAYTNTQOLLELEKEFHFNKYLCPRRRIEIAASLDLTERQVKVWFQNRMMKFKRQTKGLPDGSDD [ 72]
Tc_pb PRRRLRTAYTNTQOLLELEKEFHFNKYLCPRRRIEIAASLDLTERQVKVWFQNRMMKFKRQTKGLPDGSDD [ 72]
Bf_EVX VRRYRTAFTREQALARLEKEFYRENYVSRRRCELAAQNLPETTIKVWFQNRMMKDQRQLALTWPHPADPN [ 72]
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END;

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