
Deuterostome_chordata_Ggallus_tr_F1NMN7_F1NMN7_CHICK_Aldedh_domain_containing_protein_OS_Gallus_gallus_OX_9031_GN_ALDH9A1_PE_3_SV_4_62
Deuterostome_chordata_Xtro_tr_F6VC33_F6VC33_XENTR_Aldehyde_dehydrogenase_9_family_member_A1_OS_Xenopus_tropicalis_OX_8364_GN_aldh9a1_PE_3_SV_3_131
Deutero_Chord_Hsap_sp_P49189_AL9A1_HUMAN_4_trimethylaminobutyraldehyde_dehydrogenase_OS_Homo_sapiens__Human__OX_9606_GN_ALDH9A1_PE_1_SV_3_82
Deuterostome_chordata_PetMar_MSTRG_7992_1_p1_102
Deuterostome_chordata_PetMar_MSTRG_7992_2_p1_103
Deuterostome_chordata_PetMar_MSTRG_7992_3_p1_104
Deuterostome_chordata_PetMar_PMZ_0014455_RA_p1_105
Cnidar_NemVecNVEC200_011176_1_1_protein_AED_0_20_eAED_0_20_QI_256_1_1_1_1_1_7_1044_523_192
Protost_ecdy_Dappu_tr_E9GF07_E9GF07_DAPPU_Aldedh_domain_containing_protein_OS_Daphnia_pulex_OX_6669_GN_DAPPUDRAFT_302871_PE_3_SV_1_255
Deutero_Ambulac_Sakowv30005860m_16
Deutero_Cephalo_070630R_t1__name__chr_scaffold16_start_2421331_end_2428125_strand__pro_len_540__45
Deutero_Urochord_tr_F6YJQ7_F6YJQ7_CIOIN_Aldedh_domain_containing_protein_OS_CioInt_459
Protost_Lop_OctVul6B029776P1_318
Protost_Lop_OctVul6B029776P2_319
Protost_Lopo_BGLB003476_PB_pep_scaffold_BglaB1_LG8_random_Scaffold135_125667_135496__1_gene_BGLB003476_transcript_BGLB003476_RB_gene_biotype_protein_coding_transcript_biotype_protein_coding_322
Protost_Lopo_BGLB003476_PC_pep_scaffold_BglaB1_LG8_random_Scaffold135_125667_135618__1_gene_BGLB003476_transcript_BGLB003476_RC_gene_biotype_protein_coding_transcript_biotype_protein_coding_323
Lopo_CAL1535845_1_Lymnaea stagnalis_This study
Protost_Lopo_HolozoaMetazoaBilatEP00105Crassostreagigas_P037709_XP_019921857_1_PREDICTED_4-trimethylaminobutyraldehyde_dehydrogenase__397
Protost_Lopo_HolozoaMetazoaBilatEP00105Crassostreagigas_P039744_XP_019923892_1_PREDICTED_4-trimethylaminobutyraldehyde_dehydrogenase_partial__404
Protostome_lopho_Pdum_Contig17817__418
Lopo_tr_R7UVK5_R7UVK5_CAPTE_Aldedh_domain_containing_protein_OS_Capitella_teleta_OX_283909_GN_CAPTEDRAFT_176705_PE_3_SV_1_372
Deutero_Ambulac_Apla_gbr322_16_t1_6
Protost_ecdy_PriCa_ecdy_XP_014675875_1__PREDICTED__aldehyde__dehydrogenase__family__9__member__A1_A_like__Priapulus__caudatus__278
Cnidar_HydEchina_TRINITY_DN35784_c0_g1_i1_p1__TRINITY_DN35784_c0_g1__TRINITY_DN35784_c0_g1_i1_p1___ORF__type_complete__len_546___score_100_49__TRINITY_DN35784_c0_g1_i1_70_1638__149
Cnidar_HydEchina_TRINITY_DN35784_c0_g1_i3_p1__TRINITY_DN35784_c0_g1__TRINITY_DN35784_c0_g1_i3_p1___ORF__type_complete__len_542___score_100_47__TRINITY_DN35784_c0_g1_i3_58_1626__151
Cnidar_HydEchina_TRINITY_DN35784_c0_g1_i2_p1__TRINITY_DN35784_c0_g1__TRINITY_DN35784_c0_g1_i2_p1___ORF__type_complete__len_352___score_68_97__TRINITY_DN35784_c0_g1_i2_68_1057__150
Protost_ecdy_Cele_tr_Q20352_Q20352_CAEEL_Aldedh_domain_containing_protein_OS_Caenorhabditis_elegans_OX_6239_GN_alh_11_PE_1_SV_1_237
Protost_ecdy_Cele_tr_Q7Z1Q3_Q7Z1Q3_CAEEL_Aldedh_domain_containing_protein_OS_Caenorhabditis_elegans_OX_6239_GN_alh_12_PE_1_SV_1_239
Deutero_Urochord_tr_F6S8U4_F6S8U4_CIOIN_Uncharacterized_protein_OS_CioInt_452
Deuterostome_chordata_Ggallus_tr_F1P4K4_F1P4K4_CHICK_Aldedh_domain_containing_protein_OS_Gallus_gallus_OX_9031_GN_ALDH8A1_PE_3_SV_2_63
Deutero_Chord_Hsap_sp_Q9H2A2_AL8A1_HUMAN_2_aminomuconic_semialdehyde_dehydrogenase_OS_Homo_sapiens__Human__OX_9606_GN_ALDH8A1_PE_1_SV_1_89
Deuterostome_chordata_Xtro_tr_F6UH88_F6UH88_XENTR_Aldehyde_dehydrogenase_8_family_member_A1_OS_Xenopus_tropicalis_OX_8364_GN_aldh8a1_PE_3_SV_4_127
Deuterostome_chordata_PetMar_PMZ_0003669_RA_p1_101
Deuterostome_chordata_PetMar_PMZ_0037605_RA_p1_121
Cnidar_NemVecNVEC200_013606_1_1_protein_AED_0_34_eAED_0_34_QI_34_1_1_1_1_1_6_527_323_195
Deutero_Cephalo_178070R_t1__name__chr_scaffold37_start_2595307_end_2610124_strand__pro_len_501__37
Cnidar_HydEchina_TRINITY_DN8514_c0_g1_i1_p1__TRINITY_DN8514_c0_g1__TRINITY_DN8514_c0_g1_i1_p1___ORF__type_complete__len_483___score_96_38__TRINITY_DN8514_c0_g1_i1_67_1515__172
Cnidar_HydraVulSc4wPfr_570_g25934_t1_187
Protost_ecdy_Cele_tr_Q18822_Q18822_CAEEL_Aldedh_domain_containing_protein_OS_Caenorhabditis_elegans_OX_6239_GN_alh_10_PE_1_SV_1_236
Protost_ecdy_Dappu_tr_E9GUJ9_E9GUJ9_DAPPU_Aldedh_domain_containing_protein_OS_Daphnia_pulex_OX_6669_GN_DAPPUDRAFT_128869_PE_3_SV_1_249
Protost_ecdy_PriCa_ecdy_XP_014664737_1__PREDICTED__aldehyde__dehydrogenase__family__8__member__A1_like__Priapulus__caudatus__268
Lopo_tr_R7VGQ8_R7VGQ8_CAPTE_Aldedh_domain_containing_protein_OS_Capitella_teleta_OX_283909_GN_CAPTEDRAFT_108889_PE_4_SV_1_355
Lopo_tr_R7T5W1_R7T5W1_CAPTE_Aldedh_domain_containing_protein_OS_Capitella_teleta_OX_283909_GN_CAPTEDRAFT_109073_PE_3_SV_1_362
Lopo_tr_R7VHM6_R7VHM6_CAPTE_Aldedh_domain_containing_protein_OS_Capitella_teleta_OX_283909_GN_CAPTEDRAFT_159159_PE_3_SV_1_374
Lopo_tr_R7VF34_R7VF34_CAPTE_Aldedh_domain_containing_protein_OS_Capitella_teleta_OX_283909_GN_CAPTEDRAFT_228352_PE_3_SV_1_371
Protostome_lopho_Pdum_comp412481_c0_seq7__427
Protost_Lopo_BGLB013136_PB_pep_scaffold_BglaB1_LGUN_random_Scaffold7622_2804_13016_1_gene_BGLB013136_transcript_BGLB013136_RB_gene_biotype_protein_coding_transcript_biotype_protein_coding_334
Lopo_CAL1546061_1_Lymnaea stagnalis_This study
Protost_Lopo_HolozoaMetazoaBilatEP00105Crassostreagigas_P031910_XP_011454749_1_PREDICTED_aldehyde_dehydrogenase_family_8_member_A1__392
Deutero_Ambulac_Apla_gbr14_137_t1_0
Deutero_Ambulac_Sakowv30001002m_14
Lopo_tr_R7V0K9_R7V0K9_CAPTE_Aldedh_domain_containing_protein_OS_Capitella_teleta_OX_283909_GN_CAPTEDRAFT_212933_PE_3_SV_1_363
Aldehyde dehydrogenase 16 (ALDH16A1) Bilaterian+non bilaterian
Succinate semialdehyde dehydrogenase Bilaterian+non bilaterian
Retinal dehydrogenase 16 (ALDH1A1+ALDH1A2) Bilaterian+non bilaterian
Cytosolic formyltetrahydrofolate dehydrogenase ALDH1L1
0.4