JN630265_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_KIN1 JN629975_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_KIN1 JN629427 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea KIN1 AF530522_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_KIN1 FJ646748_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_KIN1 FJ646749_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_KIN1 JN630238_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_KIN1 JN629234_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_KIN1 JN629514_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_KIN1 JN630129_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_KIN1 JN629439_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_KIN1 JN629543_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_KIN1 U219114_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_KIN1 PRO1 Prokinetoplastina 1 KC440575_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_PRO1 AF530520_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_PRO1 GU219144_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_PRO1 JN629551_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_PRO1 DQ310342_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_PRO1 FN598316_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_PRO1 AY753947 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Prokinetoplastina PRO1 GU290080_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina GU290086_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina GU290094_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina GU218702_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN547274 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Prokinetoplastina GU219158 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Prokinetoplastina JN629443_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629409_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629889_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629673_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629746_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629874_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629923_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629790_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629493_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina KC208028_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Ichthyobodo_necator AY297483_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Ichthyobodo_sp AY224688_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Ichthyobodo_sp JQ613348_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Ichthyobodo_sp Ichthyobodo JQ821347_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Ichthyobodo_sp AY028448_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Ichthyobodo_necator JQ613358_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Ichthyobodo_sp AY255800_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Ichthyobodo_sp JQ613335_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Ichthyobodo_sp DQ414520 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Prokinetoplastina Ichthyobodo hippoglossi KF179525_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Ichthyobodo_sp √ AY229973_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Ichthyobodo_salmonis DQ504351 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Prokinetoplastina — GU219163_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629858_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629224 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Prokinetoplastina \dashv GU219156_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina ⊿ JN629739_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629263_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629497_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629786_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629275_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN630022_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629271_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629400_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629434_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina $^{f V}$ JN629253 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Prokinetoplastina JN629462_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina TEU884499_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Perkinsela_sp EU331005_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Perkinsela_sp Perkinsela EU331030 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Prokinetoplastina Perkinsela sp KC790388_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Perkinsela_sp HQ132932_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Perkinsela_sp EU331028_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Perkinsela_sp HQ132931_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Perkinsela_sp \checkmark EU331027_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_Perkinsela_sp JN629412_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_PRO2 JN629139_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_PRO2 JN629422_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_PRO2 JN629300_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_PRO2 JN629475_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_PRO2 JN629401_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina_PRO2 JN629946 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Prokinetoplastina PRO2 _______ JN202437_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina JN629260_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina Metakinetoplastina — KT815415_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Prokinetoplastina DQ207587_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina 83 ___ AY998643_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina DQ207588_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina — AY998645_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina _______ AY753620_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina AY753619_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina AF530516_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY753602_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY753969_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY753967_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY753968_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp EU106772_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp Neobodo AY753622_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp KX533438_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY753621_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY425017_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_rostratus KF188185_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY425016_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY753966_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp EF432542_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp FN598434_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp ———— AY998647 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina → KF188182_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina AY753623_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina DQ504352_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina AY490235_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina → JN629887_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina DQ207583_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY753612_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY490221_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_celer AF464896_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY749592 Fukarvota Discoha Fuglenozoa Glycomonada Kinetoplastea Metakinetoplastina Neobodo sp AY749576_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY753609_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY753608_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY749551_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY749557_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp KJ907783_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY749565_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY749587_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY749571_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp AY753611_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Neobodo_sp __________KF188161_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina AY753972_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina HQ869656_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET1 JN629573_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET1 JQ928406_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET1 JN629776_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET1 JN629508_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET1 JN629883_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET1 $\mathsf{U}_{\mathsf{GU218703}}$ Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET1 Azumiobodo KF479402_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Azumiobodo_hoyamushi AY753970_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Azumiobodo_sp JN629558 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina Cruzella sp JN629426_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Cruzella_sp AF530517_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Cruzella_sp AF208878_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Cruzella_marina ✓ JN629480_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629405_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629931_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629503_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629842_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629831_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629512_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN542574_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina GU218701 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina JN629851_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629847_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629777_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629779_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629778_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629496_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina 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JN629971 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina AF174380_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629247_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629907_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET2 JN629783_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET2 JN629846_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET2 JN629555_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET2 JN629257_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina ——— JN629827_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina ____ JF281650_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina AY753624_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET3 AY753610_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET3 → DQ207578_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET3 ——— JN629231_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina → KF188169_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629528_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN630114_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629513_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629794_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629509_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina AY963571_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629968_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET4 JN629888_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET4 JN629363_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET4 √ JN629524_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET4 JN629569_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET5 JN630066_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET5 \dashv JN629873_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET5 JN542576_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET6 GU820754_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET6 JN629114_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET6 AY753600_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET6 GU820828_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET6 AF530518 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina MET6 JN630074_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET6 ✓ JN542575_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET6 AY425021_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629908_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN630122_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN630136_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629241_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina DQ207589_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN630014_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629878_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET7 JN629886_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET7 JN630423 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina MET7 JN630059_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET7 JN630062_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET7 JN630130 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina MET7 JN630440_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET7 JN629707_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET7 JN629929_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET7 JN630426_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN629964_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp HQ869417_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN629934_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN629986_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN630442_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN630012_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN629191_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN629371_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN630242_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN630369 Eukaryota Discoba Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN630182_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN630222_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN630024_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp KF188149_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp KF188170 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina Rhynchomonas sp KF188183_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp LC056843_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN542571_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp Rhynchomonas AY827855_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp KF188156_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp KF188177_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp GU923156_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp GU970140_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp AY425025_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp AY425023_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp AY490214_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN629952_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp DQ207596_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp AY425024_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp DQ465511_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp AY998642_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN629912_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN629918_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN629933_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN629692_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN630199_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN629882_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN629839_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp JN629404_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp $\sqrt{\mathrm{JN629870}}$ Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchomonas_sp ₁ JN630424_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Dimastigella_sp AY028447_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Dimastigella_trypaniformis Dimastigella KF188178_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Dimastigella_sp JN629255_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Dimastigella_sp JN630360_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Dimastigella_sp JN629407_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Dimastigella_sp JN630252_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Dimastigella_sp ─ JN630336_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Dimastigella_sp → JN629454_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina JN629216_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina LN581301_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina AB996690_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET8 AB996691_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET8 AY753614_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET8 EU860788 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina MET8 KF188175_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET8 JN630327_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET8 KF188158_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET8 AY753616_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET8 KF680769_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET8 ullet GU970136_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET8 ullet- AY490213_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina ✓ JN629556_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629578_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629421_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629876_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629564_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN630175_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629997_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN630002_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN630069_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp U67183_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp AY753953_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp AY753952_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp DQ207594_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp KF188168_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp AY753954_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp AY753955_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp AY753956_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp Rhynchobodo AY753950_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp AY753951_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629540_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629548_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629506_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629559_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN630132_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN630078_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN630079_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629565_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629491_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629531_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629562_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629560_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629972_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629490_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629862_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629987 Eukaryota Discoba Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629978_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp JN629702_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp ✓ JN629893_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Rhynchobodo_sp Y268046_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Klosteria_bodomorphis JN629353_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Klosteria_sp Klosteria JN629805_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Klosteria_sp JN629411_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Klosteria_sp JN629450_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Klosteria_sp JN629897_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Klosteria_sp ─ JN629305_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Klosteria_sp JN629523_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET9 JN629695_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET9 JN630245_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET9 ─ JN629894 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina MET9 AY490225_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET10 AY753976_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET10 JN630420_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET10 MET10 JN629614_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET10 JN629744_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET10 JN629391_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET10 JN630239_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET10 $^{
m J}$ JN630386 Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_MET10 EF100238_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina — GU290113_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina DQ207570_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_sp HE655346_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_sp DQ207575_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_sp HE655339_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_sp AY753984_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_sp AY028449_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_sp $AY028452_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_sparational and the contraction of the contra$ AY490230_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_sp AY490222_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_sp AF208887_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_sp AY028451 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina Eubodonida Bodo edax AF208884_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_uncinatus AY490224_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_sp AY753978_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_sp AY753977_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_sp AY490223_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_sp AY753971_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Eubodonida_Bodo_sp AY425018_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Parabodonida_Procryptobia_sorokini Parabodonida AF208880_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Parabodonida_Cryptobia_helicis AY028450_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Parabodonida_Parabodo_sp AY425019_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Parabodonida_Parabodo_nitrophilus AF208886_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Parabodonida_Parabodo_nitrophilus DQ207591_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Parabodonida_Parabodo_sp AY998649_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Parabodonida_Parabodo_sp Parartrypanosoma Wallacemonas Lafontella Trypanosomatida DQ182544_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Paratrypanosoma_sp JN582046_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Wallacemonas_collosoma hickspace o KC205997_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Wallacemonas_sp TKC183711_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Lafontella_sp JQ359714_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Lafontella_mariadeanei KC205993_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Herpetomonas_sp JQ359730_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Herpetomonas_sp JQ359724_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Herpetomonas_puellarum Herpetomonas JQ359718_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Herpetomonas_sp JQ658824_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Herpetomonas_sp AF153043_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Herpetomonas_sp KR868690_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Herpetomonas_tarakana JQ359715_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Herpetomonas_megaseliae JQ359720_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Herpetomonas_isaaci KC183714_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Herpetomonas_sp .35077_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Phytomonas_serpens Phytomonas L35076_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Phytomonas_sp KX257483_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Phytomonas_oxycareni 🖰 JQ658841_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Herpetomonadinae_Phytomonas_nordicus $_{
m \Lambda}$ KC183715_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae / | KC205991_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae JF717838_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae KM980188_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae KC205990_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae EU079128_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae AF133836_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae_Leishmania_sp Leishmaniinae U59492_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae_Leishmania_hertigi KX790776_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae_Leishmania_sp KJ467218_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae_Leishmania_sp M81422_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae_Leishmania_sp KU500888_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae_Leishmania_chagasi KU948483_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae_Leishmania_chagasi JQ658851_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae JQ658847_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae X53914_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Leishmaniinae $\sqrt{\text{KX790782}_{\text{Eukaryota}_{\text{Discoba}_{\text{Euglenozoa}_{\text{Glycomonada}_{\text{Kinetoplastea}_{\text{Metakinetoplastina}_{\text{Trypanosomatida}_{\text{Leishmaniinae}_{\text{Leishmaniinae}_{\text{Constant Reserved}_{\text{Constant Reserved}_{\text{Con$ —— KC205998_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosomatida JQ658831_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosomatida KP260534_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Jaenimonas_drosophilae Blechomonas Sergeia KF054128_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Blechomonas_sp KF054137_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Blechomonas_sp AF071866_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Sergeia_sp ullet DQ394362_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Sergeia_podlipaevi 🖊 KX138601_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Blastocrithidia_sp JQ658850_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Blastocrithidia_sp KX641338_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Blastocrithidia_sp GU059561_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Blastocrithidia_sp XX227607_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Blastocrithidia_sp JQ658811_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_TRY1 JQ658825_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_TRY1 JQ658809_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_TRY1 GU059560_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_TRY1 EF184218_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_TRY1 JQ658823_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_TRY1 JQ658812_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_TRY1 GU059565_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_TRY1 $^{
m V}$ JQ658832_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_TRY1 $_{
m J}$ JQ658816_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosomatida $^{
m J}$ GU059572_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosomatida Angomonas L29264_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Strigomonadinae_Angomonas_deanei ─ HM593015_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Strigomonadinae_Angomonas_sp 🗸 AF038025_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Strigomonadinae_Strigomonas_galati 📁 Strigomonas L29266_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Strigomonadinae_Strigomonas_galati HQ659564_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Strigomonadinae_Strigomonas_culicis HM593009_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Strigomonadinae_Strigomonas_culicis MM593010_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Strigomonadinae_Strigomonas_galati M842075_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Strigomonadinae_Kentomonas_sorsogonicus KC206003_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Strigomonadinae_Kentomonas_sp EU021233_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp KM406916_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_chattoni AF119807_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_chattoni EF457291_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_herthameyeri EU021231_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_herthameyeri EU021235_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_herthameyeri KJ601712_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp KP888899_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_mocambicum KJ601715_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp AJ620552_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_granulosum EF375884_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_pseudobagri U39580_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_boissoni U39584_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_triglae JQ999962_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp DQ016616_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp AJ132351_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_binneyi AF297086 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina Trypanosomatida Trypanosoma chelodinae JX110580 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina Trypanosomatida Trypanosoma sp AJ009167_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp KJ601720_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp AJ009161_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_rotatorium AF119809_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_neveulemairei AJ223571_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_therezieni AJ223567_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_mega AF119810_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_ranarum AB520638_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp AF119806_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_fallisi AJ223570_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp HQ107967_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp JN006843_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp AB362412_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_minasense FJ649479_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_irwini AJ223562_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_bennetti KF586847_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_terrestris KF586846_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_terrestris AJ620547_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp KU354263_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp FJ001667_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_dionisii JN040988_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_erneyi AF359493_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi JF746670_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi FJ183396_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi JF746696_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi JF746666_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi JF746724_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi JF746707_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi JF746722_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi JF746683_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi JF746688_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi JF746714_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi M31432_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi JF746715_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi JF746731_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi KX134667_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi KX134663_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi FJ001634_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi AJ009150_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi FJ649484_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cruzi AJ012411_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_conorhini FM202493_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp AJ009166_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_vespertilionis AJ012418_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp FJ900242_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_rangeli KR653210_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_wauwau KF192980_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_livingstonei KJ467217_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp AY586623_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp KF054111_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp EU596255_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp KR107954_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp KF546519_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp KJ397597_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp AB007814_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_theileri AJ131958_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cyclops AJ620577_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp AJ620572 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina Trypanosomatida Trypanosoma sp AJ620570_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp JX178176 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina Trypanosomatida Trypanosoma sp JX853184 Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp JX178173 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina Trypanosomatida Trypanosoma sp AB569248_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp AB569249_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_theileri AJ223572 Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_varani U67182_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_scelopori MF403111_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_lainsoni EU095839_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp EU095838_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_cascavelli MF401951_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_freitasi KT343365_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp AJ223563_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_congolense AJ009144_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_congolense KP307020_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp AJ223569_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_simiae AJ563915_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp AJ009155_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_godfreyi AJ404608 Eukaryota Discoba Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_simiae AM503350_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_brucei KP307018_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_brucei KY609969_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_brucei KC427088_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_brucei KC427087_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_brucei D89527_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_brucei KC427089_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_brucei KM391821 Eukaryota Discoba Euglenozoa Glycomonada Kinetoplastea Metakinetoplastina Trypanosomatida Trypanosoma vivax U22316_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_vivax EU477537_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_vivax AJ009159_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_pestanai GU966589_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp JN315385_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp JN315392_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp KC753533_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp AJ009169_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_copemani KX711901_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp AB281091_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp MF437017_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp JF907534_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_caninum JF907516_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_caninum JF907515_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_caninum JF907526_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_caninum JF907514_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_caninum

VKX711902_Eukaryota_Discoba_Euglenozoa_Glycomonada_Kinetoplastea_Metakinetoplastina_Trypanosomatida_Trypanosoma_sp