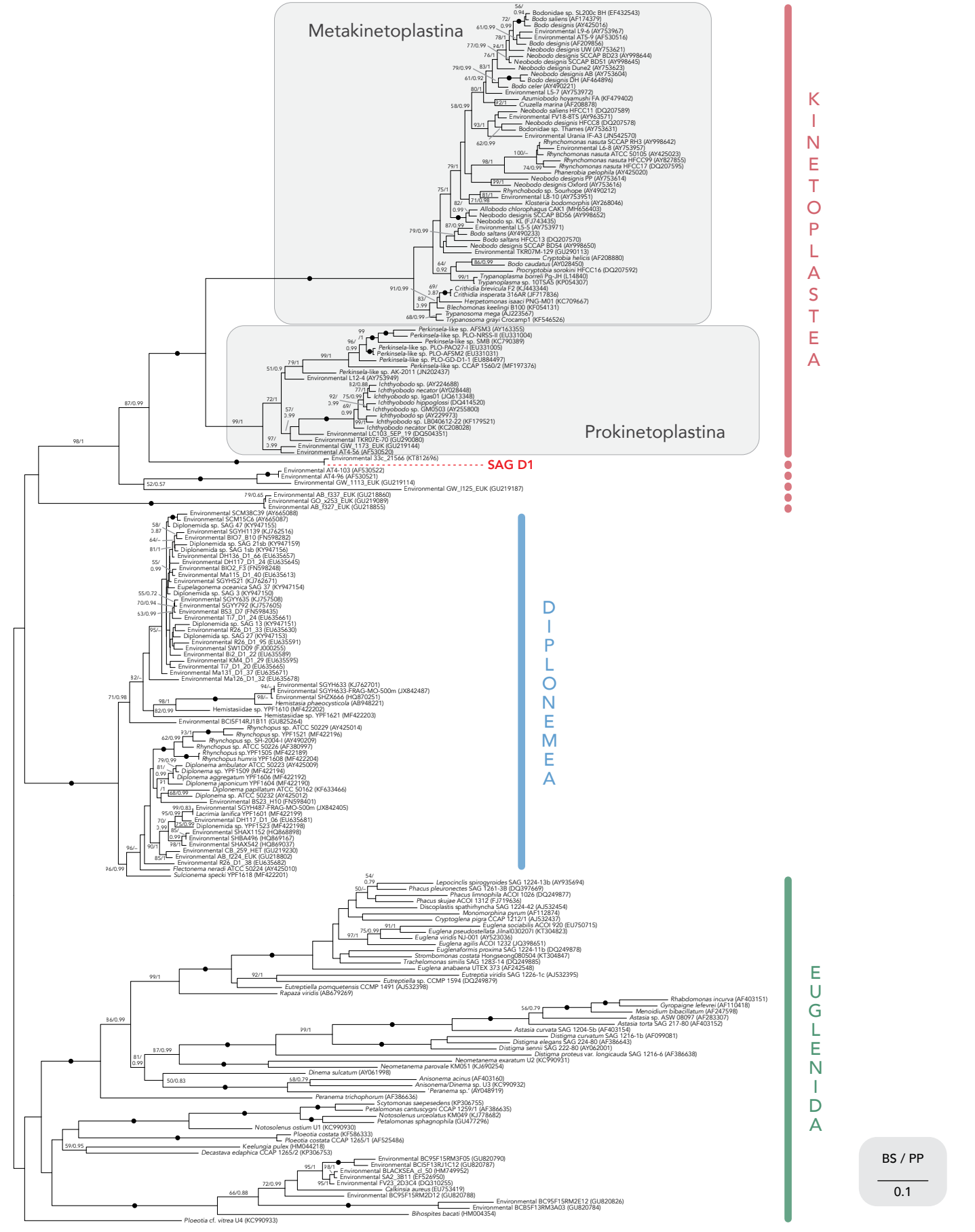
Metakinetoplastina
Prokinetoplastina
KINETOPLASTEA
SAG D1
DIPLONEMEA
EUGLENIDA
Bodonidae sp. SL200c BH (EF432543)
Bodo saliens (AF174379)
Bodo designis (AY425016)
Environmental L9-5 (AY753967)
Environmental AT5-9 (AF530516)
Bodo designis (AF209856)
Neobodo designis UW (AY753621)
Neobodo designis SCCAP BID23 (AY998644)
Neobodo designis SCCAP BD51 (AY998645)
Neobodo designis Dune2 (AY753623)
Neobodo designis AB (AY753604)
Bodo designis DH (AF464896)
Bodo celer (AY490221)
Environmental L5-7 (AY753972)
Azumiobodo hoyamushi FA (KF479402)
Cruzella marina (AF208878)
Neobodo saliens HFCC11 (DQ207589)
Environmental FV18-8TS (AY963571)
Neobodo designis HFCC8 (DQ207578)
Bodonidae sp. Thames (AY753631)
Environmental Urania IF-A3 (JN542570)
Rhynchomonas nasuta SCCAP RH3 (AY998642)
Environmental L6-8 (AY753957)
Rhynchomonas nasuta ATCC 50105 (AY425023)
Rhynchomonas nasuta HFCC99 (AY827855)
Rhynchomonas nasuta HFCC17 (DQ207595)
Phanerobia pelophila (AY425020)
Neobodo designis PP (AY753614)
Neobodo designis Oxford (AY753616)
Rhynchobodo sp. Sourhope (AY490212)
Environmental L8-10 (AY753951)
Klosteria bodomorphis (AY268046)
Allobodo chlorophagus CAK1 (MH656403)
Neobodo designis SCCAP BD56 (AY998652)
Neobodo sp. KL (FJ743435)
Environmental L5-5 (AY753971)
Bodo saltans (AY490233)
Bodo saltans HFCC13 (DQ207570)
Neobodo designis SCCAP BD54 (AY998650)
Environmental TKR07M-129 (GU290113)
Cryptobia helicis (AF208880)
Bodo caudatus (AY028450)
Procryptobia sorokini HFCC16 (DQ207592)
Trypanoplasma borreli Pg-JH (L14840)
Trypanoplasma sp. 10TSAS (KP054307)
Crithidia brevicula F2 (KJ443344)
Crithidia insperata 316AR (JF717836)
Herpetomonas isaaci PNG-M01 (KC709667)
Blechomonas keelingi B100 (KF054131)
Trypanosoma mega (AJ223567)
Trypanosoma grayi Crocamp1 (KF546526)
Perkinsela-like sp. AFSM3 (AY163355)
Perkinsela-like sp. PLO-NRSS-II (EU331004)
Perkinsela-like sp. SMB (KC790389)
Perkinsela-like sp. PLO-PAO27-II (EU331005)
Perkinsela-like sp. PLO-AFSM2 (EU331031)
Perkinsela-like sp. PLO-GD-D1-1 (EU884497)
Perkinsela-like sp. CCAP 1560/2 (MF197376)
Perkinsela-like sp. AK-2011 (JN202437)
Environmental L12-4 (AY753949)
Ichthyobodo sp. (AY224688)
Ichthyobodo necator (AY028448)
Ichthyobodo sp. Igas01 (JQ613348)
Ichthyobodo hippoglossi (DQ414520)
Ichthyobodo sp. GM0503 (AY255800)
Ichthyobodo sp (AY229973)
Ichthyobodo sp. LB040612-22 (KF179521)
Ichthyobodo necator DK (KC208028)
Environmental LC103_SEP_19 (DQ504351)
Environmental TKR07E-70 (GU290080)
Environmental GW_1173_EUK (GU219144)
Environmental AT4-56 (AF530520)
Environmental 33c_21566 (KT812696)
Environmental AT4-103 (AF530522)
Environmental AT4-96 (AF530521)
Environmental GW_1113_EUK (GU219114)
Environmental GW_I125_EUK (GU219187)
Environmental AB_f337_EUK (GU218860)
Environmental GO_x253_EUK (GU219089)
Environmental AB_f327_EUK (GU218855)
Environmental SCM38C39 (AY665088)
Environmental SCM15C6 (AY665087)
Diplonemida sp. SAG 47 (KY947155)
Environmental SGYH139 (KJ762516)
Environmental BIO7_B10 (FN598282)
Diplonemida sp. SAG 21sb (KY947159)
Diplonemida sp. SAG 1sb (KY947156)
Environmental DH136_D1_66 (EU635657)
Environmental DH117_D1_24 (EU635645)
Environmental BIO2_F3 (FN598248)
Environmental Ma115_D1_40 (EU635613)
Environmental SGYH521 (KJ762671)
Eupelagonema oceanica SAG 37 (KY947154)
Diplonemida sp. SAG 3 (KY947150)
Environmental SGYY635 (KJ757508)
Environmental SGYY792 (KJ757605)
Environmental BS3_D7 (FN598435)
Environmental Ti7_D1_24 (EU635661)
Diplonemida sp. SAG 13 (KY947151)
Environmental R26_D1_33 (EU635630)
Diplonemida sp. SAG 27 (KY947153)
Environmental R26_D1_95 (EU635591)
Environmental SW1D09 (FJ000255)
Environmental Bi2_D1_22 (EU635589)
Environmental KM4_D1_29 (EU635595)
Environmental Ti7_D1_20 (EU635665)
Environmental Ma131_D1_37 (EU635671)
Environmental Ma126_D1_32 (EU635678)
Environmental SGYH633 (KJ762701)
Environmental SGYH633-PRAG-MO-500m (JX842487)
Environmental SHZX666 (HQ870251)
Hemistasia phaeocystisola (AB948221)
Hemistasiidae sp. YPF1610 (MF422202)
Hemistasiidae sp. YPF1621 (MF422203)
Environmental BCI5F14RJ1B11 (GU825264)
Rhynchopus sp. ATCC 50229 (AY425014)
Rhynchopus sp. YPF1521 (MF422196)
Rhynchopus sp. SH-2004-I (AY490209)
Rhynchopus sp. ATCC 50226 (AF380997)
Rhynchopus sp.YPF1505 (MF422189)
Rhynchopus humris YPF1608 (MF422204)
Diplonema ambulator ATCC 50223 (AY425009)
Diplonema sp. YPF1509 (MF422194)
Diplonema aggregatum YPF1606 (MF422192)
Diplonema japonicum YPF1604 (MF422190)
Diplonema papillatum ATCC 50162 (KF633466)
Diplonema sp. ATCC 50232 (AY425012)
Environmental BS23_H10 (FN598401)
Environmental SGYH487-PRAG-MO-500m (JX842405)
Lacrimia lanifica YPF1601 (MF422199)
Environmental DH117_D1_06 (EU635681)
Diplonemida sp. YPF1523 (MF422198)
Environmental SHAX1152 (HQ868898)
Environmental SHBA496 (HQ869167)
Environmental SHAX542 (HQ869037)
Environmental CB_259_HET (GU219230)
Environmental AB_f224_EUK (GU218802)
Environmental R26_D1_38 (EU635682)
Flectonema neradi ATCC 50224 (AY425010)
Sulcionema specki YPF1618 (MF422201)
Lepocinclis spirogyroides SAG 1224-13b (AY935694)
Phacus pleuronectes SAG 1261-3B (DQ397669)
Phacus limnophila ACOI 1026 (DQ249877)
Phacus skujae ACOI 1312 (FJ119636)
Discoplastis spathirhyncha SAG 1224-42 (AJ532454)
Monomorphina pyrum (AF112874)
Cryptoglena pigra CCAP 1212/1 (AJ532437)
Euglena sociabilis ACOI 920 (EU750715)
Euglena pseudostellata Jilmal0302071 (KT304823)
Euglena viridis NJ-001 (AY523036)
Euglena agilis ACOI 1232 (JQ398651)
Euglenaformis proxima SAG 1224-11b (DQ249878)
Strombomonas costata Hongseong080504 (KT304847)
Trachelomonas similis SAG 1283-14 (DQ249885)
Euglena anabaena UTEX 373 (AF242548)
Eutreptia viridis SAG 1226-1c (AJ532395)
Eutreptiella sp. CCMP 1594 (DQ249879)
Eutreptiella pomquetensis CCMP 1491 (AJ532398)
Rapaza viridis (AB679269)
Rhabdomonas incurva (AF403151)
Gyropaigne lefevrei (AF110418)
Menoidium bibacillatum (AF247598)
Astasia sp. ASW 08097 (AF283307)
Astasia torta SAG 217-80 (AF403152)
Astasia curvata SAG 1204-5b (AF403154)
Distigma curvatum SAG 1216-1b (AF099081)
Distigma elegans SAG 224-80 (AF386643)
Distigma sennii SAG 222-80 (AY062001)
Distigma proteus var. longicauda SAG 1216-6 (AF386638)
Neometanema exaratum U2 (KC990931)
Neometanema parovale KM051 (KJ690254)
Dinema sulcatum (AY061998)
Anisonema acinus (AF403160)
Anisonema/Dinema sp. U3 (KC990932)
Peranema sp.* (AY048919)
Peranema trichophorum (AF386636)
Scytomonas saepesedens (KP306755)
Petalomonas cantuscygni CCAP 1259/1 (AF386635)
Notosolenus urceolatus KM049 (KJ778682)
Petalomonas sphagnophila (GU477296)
Notosolenus ostium U1 (KC990930)
Ploeotia costata (KF586333)
Ploeotia costata CCAP 1265/1 (AF525486)
Keelungia pulex (HM044218)
Decastava edaphica CCAP 1265/2 (KP306753)
Environmental BC95F15RM3F05 (GU820790)
Environmental BCI5F13RJ1C12 (GU820787)
Environmental BLACKSEA_cl_50 (HM749952)
Environmental SA2_3B11 (EF526950)
Environmental FV23_2D3C4 (DQ310255)
Calkinsia aureus (EU753419)
Environmental BC95F15RM2D12 (GU820788)
Environmental BC95F15RM2E12 (GU820826)
Environmental BCB5F13RM3A03 (GU820784)
Bihospites bacati (HM004354)
Ploeotia cf. vitrea U4 (KC990933)
BS / PP
0.1