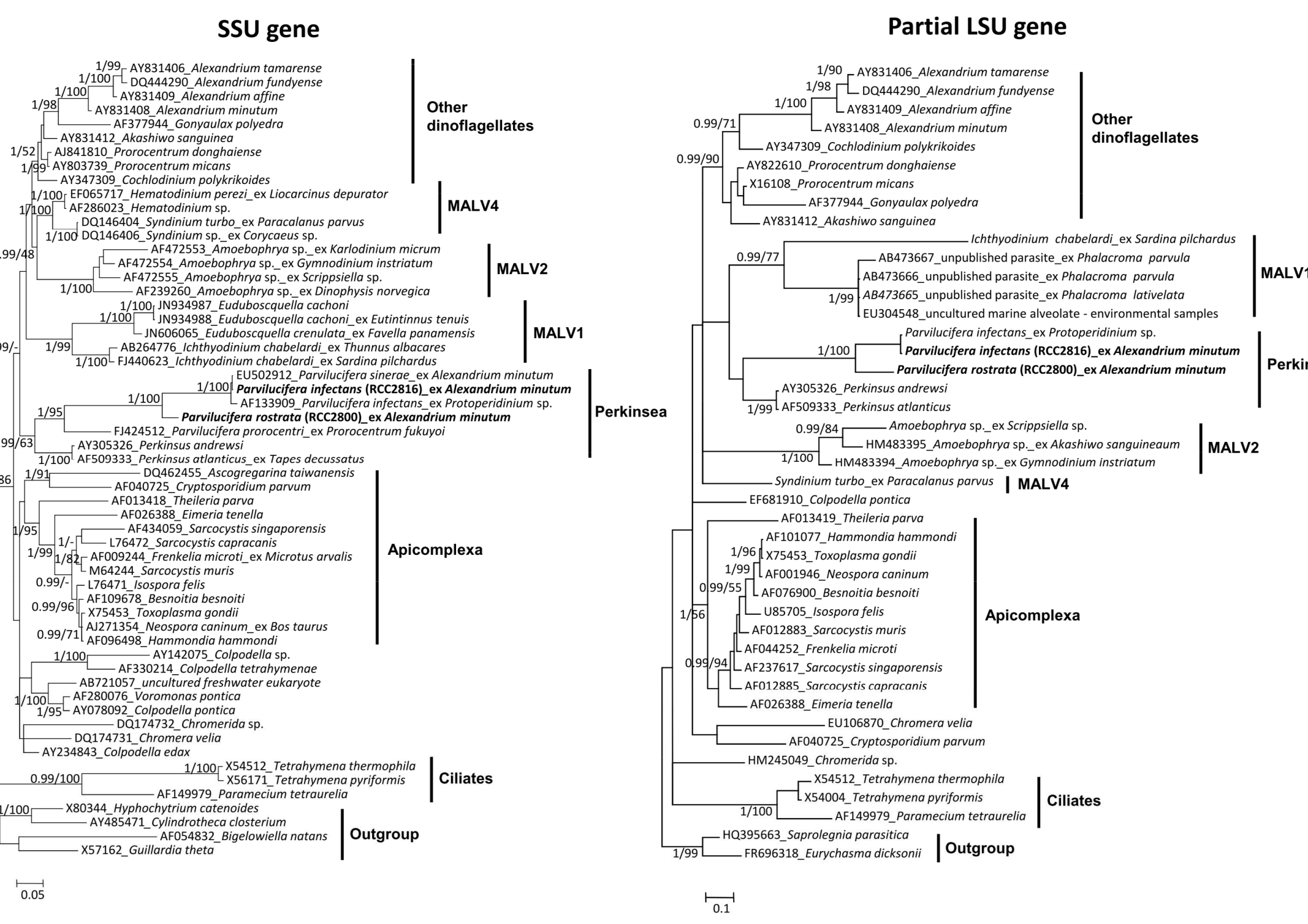
SSU gene
1/99
1/100
1/100
1/98
1/52
1/99
1/100
1/100
1/100
.99/48
1/100
1/99
1/100
1/100
99/-
1/95
99/63
1/100
86
1/91
1/95
1/99
1/-
1/82
0.99/-
0.99/96
0.99/71
1/100
1/100
1/95
1/100
0.99/100
1/100
0.05
AY831406_Alexandrium tamarense
DQ444290_Alexandrium fundyense
AY831409_Alexandrium affine
AY831408_Alexandrium minutum
AF377944_Gonyaulax polyedra
AY831412_Akashiwo sanguinea
AJ841810_Prorocentrum donghaiense
AY803739_Prorocentrum micans
AY347309_Cochlodinium polykrikoides
EF065717_Hematodinium perezi_ex Liocarcinus depurator
AF286023_Hematodinium sp.
DQ146404_Syndinium turbo_ex Paracalanus parvus
DQ146406_Syndinium sp._ex Corycaeus sp.
AF472553_Amoebophrya sp._ex Karlodinium micrum
AF472554_Amoebophrya sp._ex Gymnodinium instriatum
AF472555_Amoebophrya sp._ex Scrippsiella sp.
AF239260_Amoebophrya sp._ex Dinophysis norvegica
JN934987_Euduboscquella cachoni
JN934988_Euduboscquella cachoni_ex Eutintinnus tenuis
JN606065_Euduboscquella crenulata_ex Favella panamensis
AB264776_Ichthyodinium chabelardi_ex Thunnus albacares
FJ440623_Ichthyodinium chabelardi_ex Sardina pilchardus
EU502912_Parvilucifera sinerae_ex Alexandrium minutum
Parvilucifera infectans (RCC2816)_ex Alexandrium minutum
AF133909_Parvilucifera infectans_ex Protoperidinium sp.
Parvilucifera rostrata (RCC2800)_ex Alexandrium minutum
FJ424512_Parvilucifera prorocentri_ex Prorocentrum fukuyoi
AY305326_Perkinsus andrewsi
AF509333_Perkinsus atlanticus_ex Tapes decussatus
DQ462455_Ascogregarina taiwanensis
AF040725_Cryptosporidium parvum
AF013418_Theileria parva
AF026388_Eimeria tenella
AF434059_Sarcocystis singaporensis
L76472_Sarcocystis capracanis
AF009244_Frenkelia microti_ex Microtus arvalis
M64244_Sarcocystis muris
L76471_Isospora felis
AF109678_Besnoitia besnoiti
X75453_Toxoplasma gondii
AJ271354_Neospora caninum_ex Bos taurus
AF096498_Hammondia hammondi
AY142075_Colpodella sp.
AF330214_Colpodella tetrahymenae
AB721057_uncultured freshwater eukaryote
AF280076_Voromonas pontica
AY078092_Colpodella pontica
DQ174732_Chromerida sp.
DQ174731_Chromera velia
AY234843_Colpodella edax
X54512_Tetrahymena thermophila
X56171_Tetrahymena pyriformis
AF149979_Paramecium tetraurelia
X80344_Hyphochytrium catenoides
AY485471_Cylindrotheca closterium
AF054832_Bigelowiella natans
X57162_Guillardia theta
Other dinoflagellates
MALV4
MALV2
MALV1
Perkinsea
Apicomplexa
Ciliates
Outgroup
Partial LSU gene
1/90
1/98
1/100
0.99/71
0.99/90
0.99/77
1/99
1/100
1/99
0.99/84
1/100
1/99
1/96
1/99
0.99/55
1/56
0.99/94
1/100
1/99
0.1
AY831406_Alexandrium tamarense
DQ444290_Alexandrium fundyense
AY831409_Alexandrium affine
AY831408_Alexandrium minutum
AY347309_Cochlodinium polykrikoides
AY822610_Prorocentrum donghaiense
X16108_Prorocentrum micans
AF377944_Gonyaulax polyedra
AY831412_Akashiwo sanguinea
Ichthyodinium chabelardi_ex Sardina pilchardus
AB473667_unpublished parasite_ex Phalacroma parvula
AB473666_unpublished parasite_ex Phalacroma parvula
AB473665_unpublished parasite_ex Phalacroma lativelata
EU304548_uncultured marine alveolate - environmental samples
Parvilucifera infectans_ex Protoperidinium sp.
Parvilucifera infectans (RCC2816)_ex Alexandrium minutum
Parvilucifera rostrata (RCC2800)_ex Alexandrium minutum
AY305326_Perkinsus andrewsi
AF509333_Perkinsus atlanticus
Amoebophrya sp._ex Scrippsiella sp.
HM483395_Amoebophrya sp._ex Akashiwo sanguineaum
HM483394_Amoebophrya sp._ex Gymnodinium instriatum
Syndinium turbo_ex Paracalanus parvus
EF681910_Colpodella pontica
AF013419_Theileria parva
AF101077_Hammondia hammondi
X75453_Toxoplasma gondii
AF001946_Neospora caninum
AF076900_Besnoitia besnoiti
U85705_Isospora felis
AF012883_Sarcocystis muris
AF044252_Frenkelia microti
AF237617_Sarcocystis singaporensis
AF012885_Sarcocystis capracanis
AF026388_Eimeria tenella
EU106870_Chromera velia
AF040725_Cryptosporidium parvum
HM245049_Chromerida sp.
X54512_Tetrahymena thermophila
X54004_Tetrahymena pyriformis
AF149979_Paramecium tetraurelia
HQ395663_Saprolegnia parasitica
FR696318_Eurychasma dicksonii
MALV1
Perki
MALV2
MALV4
Apicomplexa
Ciliates
Outgroup