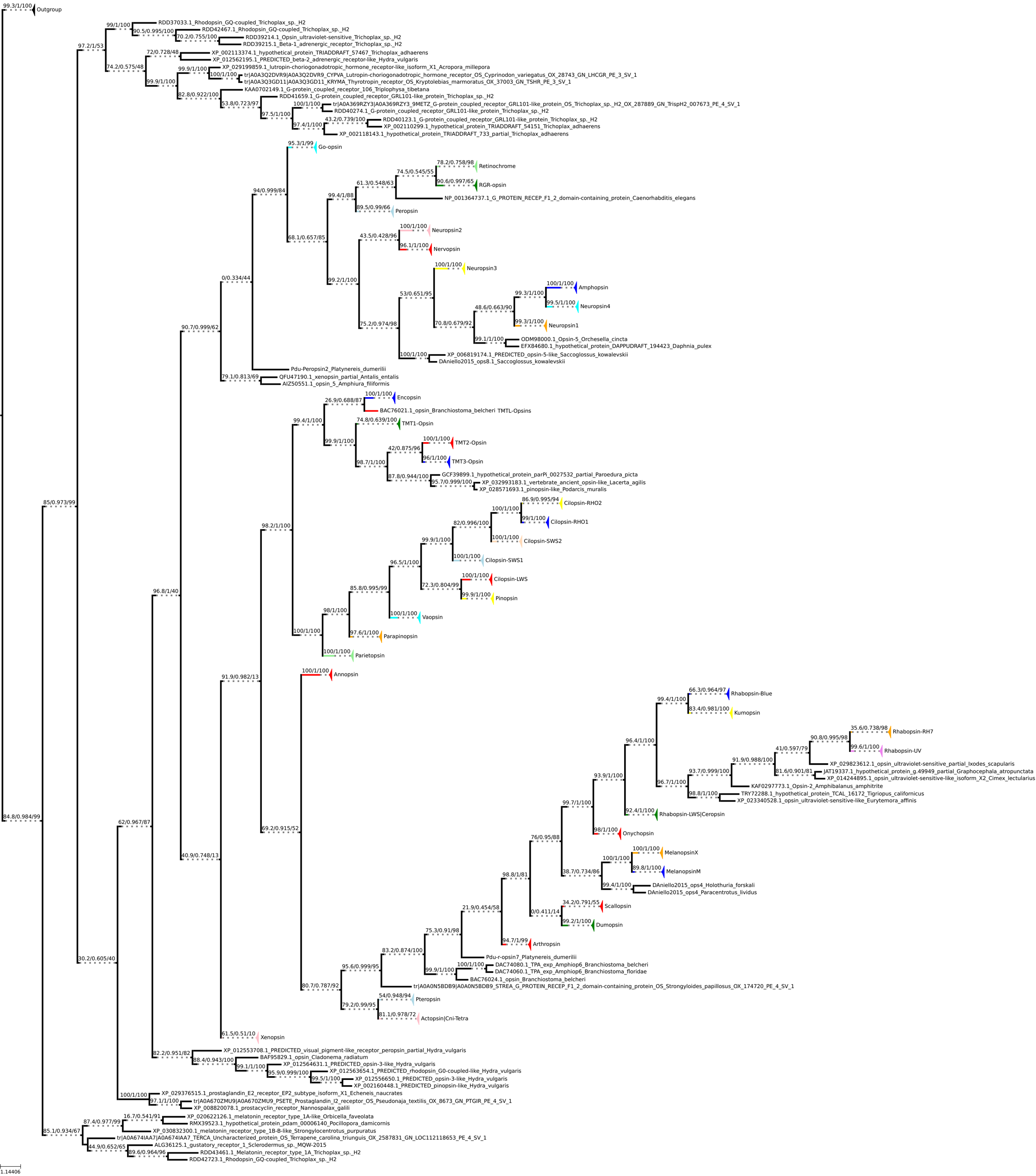
99.3/1/100
Outgroup
99/1/100
RDD37033.1_Rhodopsin_GQ-coupled_Trichoplax_sp._H2
90.5/0.995/100
RDD42467.1_Rhodopsin_GQ-coupled_Trichoplax_sp._H2
70.2/0.755/100
RDD39214.1_Opsin_ultraviolet-sensitive_Trichoplax_sp._H2
RDD39215.1_Beta-1_adrenergic_receptor_Trichoplax_sp._H2
97.2/1/53
72/0.728/48
XP_002113374.1_hypothetical_protein_TRIADDRAFT_57467_Trichoplax_adhaerens
XP_012562195.1_PREDICTED_beta-2_adrenergic_receptor-like_Hydra_vulgaris
74.2/0.575/48
99.9/1/100
XP_029199859.1_lutropin-choriogonadotropic_hormone_receptor-like_isoform_X1_Acropora_millepora
100/1/100
tr|A0A3Q2DVR9|A0A3Q2DVR9_CYPVA_Lutropin-choriogonadotropic_hormone_receptor_OS_Cyprinodon_variegatus_OX_28743_GN_LHCGR_PE_3_SV_1
99.9/1/100
tr|A0A3Q3GD11|A0A3Q3GD11_KRYMA_Thyrotropin_receptor_OS_Kryptolebias_marmoratus_OX_37003_GN_TSHR_PE_3_SV_1
82.8/0.922/100
KAA0702149.1_G-protein_coupled_receptor_106_Triplophysa_tibetana
53.8/0.723/97
RDD41659.1_G-protein_coupled_receptor_GRL101-like_protein_Trichoplax_sp._H2
100/1/100
tr|A0A369RZY3|A0A369RZY3_9METZ_G-protein_coupled_receptor_GRL101-like_protein_OS_Trichoplax_sp._H2_OX_287889_GN_TrispH2_007673_PE_4_SV_1
97.5/1/100
RDD40274.1_G-protein_coupled_receptor_GRL101-like_protein_Trichoplax_sp._H2
43.2/0.739/100
RDD40123.1_G-protein_coupled_receptor_GRL101-like_protein_Trichoplax_sp._H2
97.4/1/100
XP_002110299.1_hypothetical_protein_TRIADDRAFT_54151_Trichoplax_adhaerens
XP_002118143.1_hypothetical_protein_TRIADDRAFT_733_partial_Trichoplax_adhaerens
95.3/1/99
Go-opsin
78.2/0.758/98
Retinochrome
74.5/0.545/55
90.6/0.997/65
RGR-opsin
61.3/0.548/63
NP_001364737.1_G_PROTEIN_RECEP_F1_2_domain-containing_protein_Caenorhabditis_elegans
94/0.999/84
99.4/1/88
89.5/0.99/66
Peropsin
100/1/100
Neuropsin2
43.5/0.428/96
68.1/0.657/85
96.1/1/100
Nervopsin
100/1/100
Neuropsin3
0/0.334/44
99.2/1/100
100/1/100
Amphopsin
99.3/1/100
53/0.651/95
99.5/1/100
Neuropsin4
48.6/0.663/90
90.7/0.999/62
75.2/0.974/98
70.8/0.679/92
99.3/1/100
Neuropsin1
99.1/1/100
ODM98000.1_Opsin-5_Orchesella_cincta
EFX84680.1_hypothetical_protein_DAPPUDRAFT_194423_Daphnia_pulex
100/1/100
XP_006819174.1_PREDICTED_opsin-5-like_Saccoglossus_kowalevskii
DAniello2015_ops8.1_Saccoglossus_kowalevskii
Pdu-Peropsin2_Platynereis_dumerilii
79.1/0.813/69
QFU47190.1_xenopsin_partial_Antalis_entalis
AIZ50551.1_opsin_5_Amphiura_filiformis
100/1/100
Encopsin
26.9/0.688/87
BAC76021.1_opsin_Branchiostoma_belcheri TMTL-Opsins
99.4/1/100
74.8/0.639/100
TMT1-Opsin
99.9/1/100
100/1/100
TMT2-Opsin
42/0.875/96
96/1/100
TMT3-Opsin
98.7/1/100
87.8/0.944/100
GCF39899.1_hypothetical_protein_parPi_0027532_partial_Paroedura_picta
95.7/0.999/100
XP_032993183.1_vertebrate_ancient_opsin-like_Lacerta_agilis
XP_028571693.1_pinopsin-like_Podarcis_muralis
86.9/0.995/94
Cilopsin-RHO2
100/1/100
99/1/100
Cilopsin-RHO1
85/0.973/99
98.2/1/100
82/0.996/100
100/1/100
Cilopsin-SWS2
99.9/1/100
100/1/100
Cilopsin-SWS1
96.5/1/100
100/1/100
Cilopsin-LWS
96.8/1/40
85.8/0.995/99
72.3/0.804/99
99.9/1/100
Pinopsin
98/1/100
100/1/100
Vaopsin
97.6/1/100
Parapinopsin
100/1/100
Parietopsin
100/1/100
Annopsin
91.9/0.982/13
66.3/0.964/97
Rhabopsin-Blue
99.4/1/100
83.4/0.981/100
Kumopsin
35.6/0.738/98
Rhabopsin-RH7
90.8/0.995/98
96.4/1/100
99.6/1/100
Rhabopsin-UV
41/0.597/79
91.9/0.988/100
XP_029823612.1_opsin_ultraviolet-sensitive_partial_Ixodes_scapularis
93.7/0.999/100
81.6/0.901/81
JAT19337.1_hypothetical_protein_g.49949_partial_Graphocephala_atropunctata
XP_014244895.1_opsin_ultraviolet-sensitive-like_isoform_X2_Cimex_lectularius
93.9/1/100
96.7/1/100
KAF0297773.1_Opsin-2_Amphibalanus_amphitrite
84.8/0.984/99
62/0.967/87
98.8/1/100
TRY72288.1_hypothetical_protein_TCAL_16172_Tigriopus_californicus
XP_023340528.1_opsin_ultraviolet-sensitive-like_Eurytemora_affinis
99.7/1/100
69.2/0.915/52
92.4/1/100
Rhabopsin-LWS|Ceropsin
98/1/100
Onychopsin
76/0.95/88
40.9/0.748/13
100/1/100
MelanopsinX
100/1/100
89.8/1/100
MelanopsinM
98.8/1/81
38.7/0.734/86
99.4/1/100
DAniello2015_ops4_Holothuria_forskali
DAniello2015_ops4_Paracentrotus_lividus
34.2/0.791/55
Scallopsin
21.9/0.454/58
0/0.411/14
99.2/1/100
Dumopsin
75.3/0.91/98
94.7/1/99
Arthropsin
30.2/0.605/40
83.2/0.874/100
Pdu-r-opsin7_Platynereis_dumerilii
95.6/0.999/95
100/1/100
DAC74080.1_TPA_exp_Amphiop6_Branchiostoma_belcheri
DAC74060.1_TPA_exp_Amphiop6_Branchiostoma_floridae
99.9/1/100
BAC76024.1_opsin_Branchiostoma_belcheri
80.7/0.787/92
tr|A0A0N5BDB9|A0A0N5BDB9_STREA_G_PROTEIN_RECEP_F1_2_domain-containing_protein_OS_Strongyloides_papillosus_OX_174720_PE_4_SV_1
54/0.948/94
Pteropsin
79.2/0.99/95
81.1/0.978/72
Actopsin|Cni-Tetra
61.5/0.51/10
Xenopsin
82.2/0.951/82
XP_012553708.1_PREDICTED_visual_pigment-like_receptor_peropsin_partial_Hydra_vulgaris
88.4/0.943/100
BAF95829.1_opsin_Cladonema_radiatum
99.1/1/100
XP_012564631.1_PREDICTED_opsin-3-like_Hydra_vulgaris
95.9/0.999/100
XP_012563654.1_PREDICTED_rhodopsin_G0-coupled-like_Hydra_vulgaris
99.5/1/100
XP_012556650.1_PREDICTED_opsin-3-like_Hydra_vulgaris
XP_002160448.1_PREDICTED_pinopsin-like_Hydra_vulgaris
100/1/100
XP_029376515.1_prostaglandin_E2_receptor_EP2_subtype_isoform_X1_Echeneis_naucrates
97.1/1/100
tr|A0A670ZMU9|A0A670ZMU9_PSETE_Prostaglandin_I2_receptor_OS_Pseudonaja_textilis_OX_8673_GN_PTGIR_PE_4_SV_1
XP_008820078.1_prostacyclin_receptor_Nannospalax_galili
16.7/0.541/91
XP_020622126.1_melatonin_receptor_type_1A-like_Orbicella_faveolata
87.4/0.977/99
RMX39523.1_hypothetical_protein_pdam_00006140_Pocillopora_damicornis
XP_030832300.1_melatonin_receptor_type_1B-B-like_Strongylocentrotus_purpuratus
85.1/0.934/67
tr|A0A674IAA7|A0A674IAA7_TERCA_Uncharacterized_protein_OS_Terrapene_carolina_triunguis_OX_2587831_GN_LOC112118653_PE_4_SV_1
44.9/0.652/65
ALG36125.1_gustatory_receptor_1_Sclerodermus_sp._MQW-2015
89.6/0.964/96
RDD43461.1_Melatonin_receptor_type_1A_Trichoplax_sp._H2
RDD42723.1_Rhodopsin_GQ-coupled_Trichoplax_sp._H2
1.14406