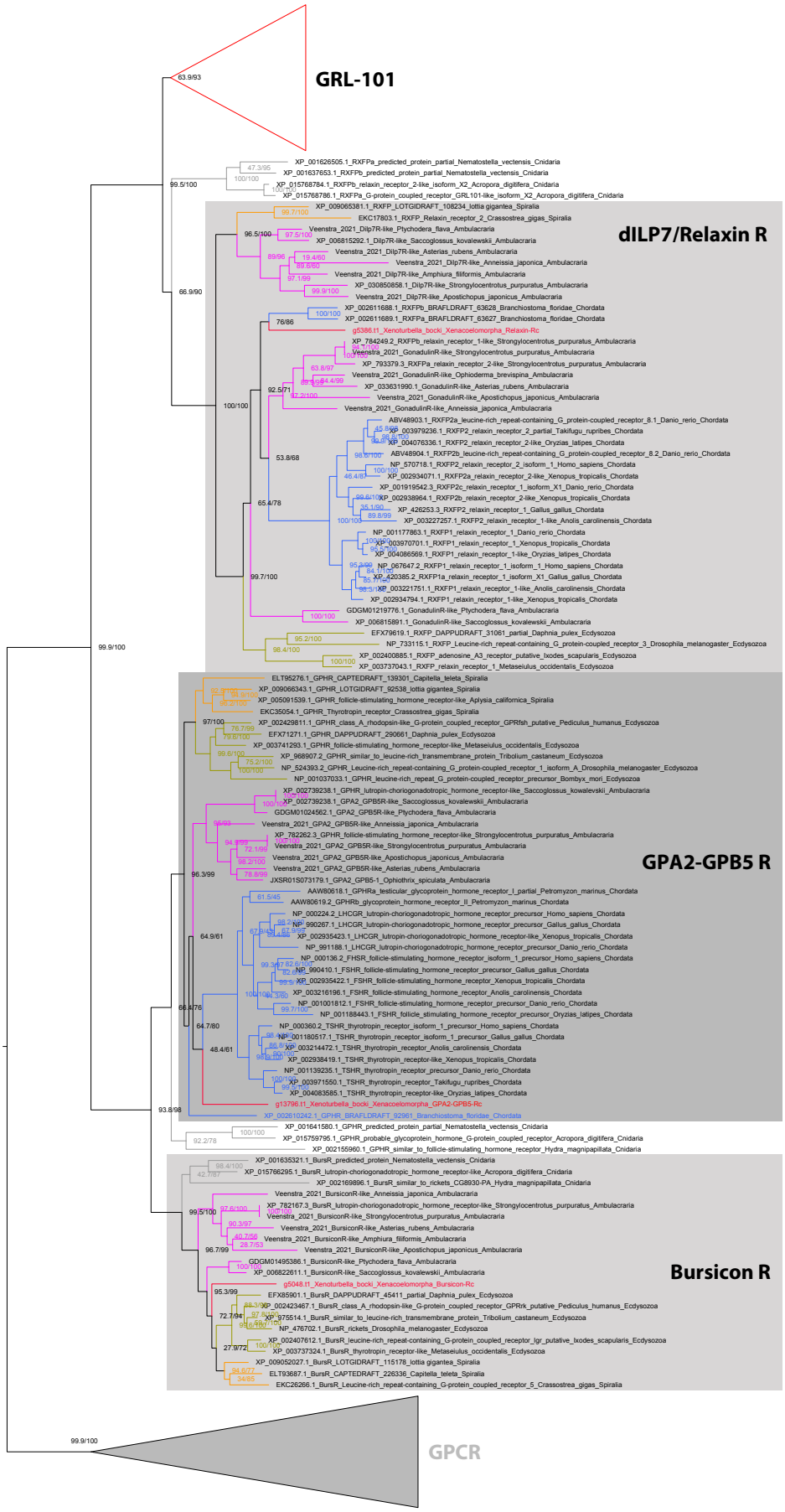
GRL-101
63.9/93
99.5/100
47.3/95
100/100
XP_001626505.1_RXFPa_predicted_protein_partial_Nematostella_vectensis_Cnidaria
XP_001637653.1_RXFPb_predicted_protein_partial_Nematostella_vectensis_Cnidaria
XP_015768784.1_RXFPb_relaxin_receptor_2-like_isoform_X2_Acropora_digitifera_Cnidaria
XP_015768786.1_RXFPa_G-protein_coupled_receptor_GRL101-like_isoform_X2_Acropora_digitifera_Cnidaria
dILP7/Relaxin R
66.9/90
96.5/100
99.7/100
97.5/100
89/96
19.4/60
89.6/60
97.1/99
99.9/100
76/86
100/100
92.5/71
63.8/97
44.4/99
47.2/100
53.8/68
65.4/78
46.4/87
99.6/100
35.1/60
89.8/99
100/100
99.7/100
95.2/100
98.4/100
100/100
XP_009065381.1_RXFP_LOTGIDRAFT_108234_lottia gigantea_Spiralia
EKC17803.1_RXFP_Relaxin_receptor_2_Crassostrea_gigas_Spiralia
Veenstra_2021_Dilp7R-like_Ptychodera_flava_Ambulacraria
XP_006815292.1_Dilp7R-like_Saccoglossus_kovalewskii_Ambulacraria
Veenstra_2021_Dilp7R-like_Asterias_rubens_Ambulacraria
Veenstra_2021_Dilp7R-like_Anneissia_japonica_Ambulacraria
Veenstra_2021_Dilp7R-like_Amphiura_filiformis_Ambulacraria
XP_030850858.1_Dilp7R-like_Strongylocentrotus_purpuratus_Ambulacraria
Veenstra_2021_Dilp7R-like_Apostichopus_japonicus_Ambulacraria
XP_002611688.1_RXFPb_BRAFLDRAFT_63628_Branchiostoma_floridae_Chordata
XP_002611689.1_RXFPa_BRAFLDRAFT_63627_Branchiostoma_floridae_Chordata
g5386.t1_Xenoturbella_bocki_Xenacoelomorpha_Relaxin-Rc
XP_784249.2_RXFPb_relaxin_receptor_1-like_Strongylocentrotus_purpuratus_Ambulacraria
Veenstra_2021_GonadulinR-like_Strongylocentrotus_purpuratus_Ambulacraria
XP_793379.3_RXFPa_relaxin_receptor_2-like_Strongylocentrotus_purpuratus_Ambulacraria
Veenstra_2021_GonadulinR-like_Ophioderma_brevispina_Ambulacraria
XP_033631990.1_GonadulinR-like_Asterias_rubens_Ambulacraria
Veenstra_2021_GonadulinR-like_Apostichopus_japonicus_Ambulacraria
Veenstra_2021_GonadulinR-like_Anneissia_japonica_Ambulacraria
ABV48903.1_RXFP2a_leucine-rich_repeat-containing_G_protein-coupled_receptor_8.1_Danio_rerio_Chordata
XP_003979236.1_RXFP2_relaxin_receptor_2_partial_Takifugu_rupribes_Chordata
XP_004076336.1_RXFP2_relaxin_receptor_2-like_Oryzias_latipes_Chordata
ABV48904.1_RXFP2b_leucine-rich_repeat-containing_G_protein-coupled_receptor_8.2_Danio_rerio_Chordata
NP_570718.1_RXFP2_relaxin_receptor_2_isoform_1_Homo_sapiens_Chordata
XP_002934071.1_RXFP2a_relaxin_receptor_2-like_Xenopus_tropicalis_Chordata
XP_001919542.3_RXFP2c_relaxin_receptor_1_isoform_X1_Danio_rerio_Chordata
XP_002938964.1_RXFP2b_relaxin_receptor_2-like_Xenopus_tropicalis_Chordata
XP_426253.3_RXFP2_relaxin_receptor_1_Gallus_gallus_Chordata
XP_003227257.1_RXFP2_relaxin_receptor_1-like_Anolis_carolinensis_Chordata
NP_001177863.1_RXFP1_relaxin_receptor_1_Danio_rerio_Chordata
XP_003970701.1_RXFP1_relaxin_receptor_1_Xenopus_tropicalis_Chordata
XP_004086569.1_RXFP1_relaxin_receptor_1-like_Oryzias_latipes_Chordata
NP_067647.2_RXFP1_relaxin_receptor_1_isoform_1_Homo_sapiens_Chordata
XP_420385.2_RXFP1a_relaxin_receptor_1_isoform_X1_Gallus_gallus_Chordata
XP_003221751.1_RXFP1_relaxin_receptor_1-like_Anolis_carolinensis_Chordata
XP_002934794.1_RXFP1_relaxin_receptor_1-like_Xenopus_tropicalis_Chordata
GDGM01219776.1_GonadulinR-like_Ptychodera_flava_Ambulacraria
XP_006815891.1_GonadulinR-like_Saccoglossus_kovalewskii_Ambulacraria
EFX79619.1_RXFP_DAPPUDRAFT_31061_partial_Daphnia_pulex_Ecdysozoa
NP_733115.1_RXFP_Leucine-rich_repeat-containing_G_protein-coupled_receptor_3_Drosophila_melanogaster_Ecdysozoa
XP_002400885.1_RXFP_adenosine_A3_receptor_putative_Ixodes_scapularis_Ecdysozoa
XP_003737043.1_RXFP_relaxin_receptor_1_Metaseiulus_occidentalis_Ecdysozoa
99.9/100
ELT95276.1_GPHR_CAPTEDRAFT_139301_Capitella_teleta_Spiralia
XP_009066343.1_GPHR_LOTGIDRAFT_92538_lottia gigantea_Spiralia
XP_005091539.1_GPHR_follicle-stimulating_hormone_receptor-like_Aplysia_californica_Spiralia
EKC35054.1_GPHR_Thyrotropin_receptor_Crassostrea_gigas_Spiralia
97/100
XP_002429811.1_GPHR_class_A_rhodopsin-like_G-protein_coupled_receptor_GPRfsh_putative_Pediculus_humanus_Ecdysozoa
EFX71271.1_GPHR_DAPPUDRAFT_290661_Daphnia_pulex_Ecdysozoa
XP_003741293.1_GPHR_follicle-stimulating_hormone_receptor-like_Metaseiulus_occidentalis_Ecdysozoa
XP_968907.2_GPHR_similar_to_leucine-rich_transmembrane_protein_Tribolium_castaneum_Ecdysozoa
NP_524393.2_GPHR_Leucine-rich_repeat-containing_G_protein-coupled_receptor_1_isoform_A_Drosophila_melanogaster_Ecdysozoa
NP_001037033.1_GPHR_leucine-rich_repeat_G_protein-coupled_receptor_precursor_Bombyx_mori_Ecdysozoa
XP_002739238.1_GPHR_lutropin-choriogonadotropic_hormone_receptor-like_Saccoglossus_kowalevskii_Ambulacraria
XP_002739238.1_GPA2_GPB5R-like_Saccoglossus_kovalewskii_Ambulacraria
GDGM01024562.1_GPA2_GPB5R-like_Ptychodera_flava_Ambulacraria
Veenstra_2021_GPA2_GPB5R-like_Anneissia_japonica_Ambulacraria
XP_782262.3_GPHR_follicle-stimulating_hormone_receptor-like_Strongylocentrotus_purpuratus_Ambulacraria
Veenstra_2021_GPA2_GPB5R-like_Strongylocentrotus_purpuratus_Ambulacraria
Veenstra_2021_GPA2_GPB5R-like_Apostichopus_japonicus_Ambulacraria
Veenstra_2021_GPA2_GPB5R-like_Asterias_rubens_Ambulacraria
jXSR01S073179.1_GPA2_GPB5-1_Ophiothrix_spiculata_Ambulacraria
GPA2-GPB5 R
96/93
64.1/99
72.1/99
95.3/100
78.8/99
96.3/99
AAW80618.1_GPHRa_testicular_glycoprotein_hormone_receptor_I_partial_Petromyzon_marinus_Chordata
AAW80619.2_GPHRb_glycoprotein_hormone_receptor_II_Petromyzon_marinus_Chordata
NP_000224.2_LHCGR_lutropin-choriogonadotropic_hormone_receptor_precursor_Homo_sapiens_Chordata
NP_990267.1_LHCGR_lutropin-choriogonadotropic_hormone_receptor_precursor_Gallus_gallus_Chordata
XP_002935423.1_LHCGR_lutropin-choriogonadotropic_hormone_receptor-like_Xenopus_tropicalis_Chordata
NP_991188.1_LHCGR_lutropin-choriogonadotropic_hormone_receptor_precursor_Danio_rerio_Chordata
NP_000136.2_FHSR_follicle-stimulating_hormone_receptor_isoform_1_precursor_Homo_sapiens_Chordata
NP_990410.1_FSHR_follicle-stimulating_hormone_receptor_precursor_Gallus_gallus_Chordata
XP_002935422.1_FSHR_follicle-stimulating_hormone_receptor_Xenopus_tropicalis_Chordata
XP_003216196.1_FSHR_follicle-stimulating_hormone_receptor_Anolis_carolinensis_Chordata
NP_001001812.1_FSHR_follicle-stimulating_hormone_receptor_precursor_Danio_rerio_Chordata
NP_001188443.1_FSHR_follicle-stimulating_hormone_receptor_precursor_Oryzias_latipes_Chordata
NP_000360.2_TSHR_thyrotropin_receptor_isoform_1_precursor_Homo_sapiens_Chordata
NP_001180517.1_TSHR_thyrotropin_receptor_isoform_1_precursor_Gallus_gallus_Chordata
XP_003214472.1_TSHR_thyrotropin_receptor_Anolis_carolinensis_Chordata
XP_002938419.1_TSHR_thyrotropin_receptor-like_Xenopus_tropicalis_Chordata
NP_001139235.1_TSHR_thyrotropin_receptor_precursor_Danio_rerio_Chordata
XP_003971550.1_TSHR_thyrotropin_receptor_Takifugu_rupribes_Chordata
XP_004083585.1_TSHR_thyrotropin_receptor-like_Oryzias_latipes_Chordata
g13796.t1_Xenoturbella_bocki_Xenacoelomorpha_GPA2-GPB5-Rc
XP_002610242.1_GPHR_BRAFLDRAFT_92961_Branchiostoma_floridae_Chordata
61.5/45
64.9/61
67.8/44
98.2/97
97.8/56
99.4/56
99.3/100
97.8/2.6/100
82.6/100
99.5/
100/100
3.4/60
99.7/100
66.4/76
64.7/80
48.4/61
93.8/98
XP_001641580.1_GPHR_predicted_protein_partial_Nematostella_vectensis_Cnidaria
XP_015759795.1_GPHR_probable_glycoprotein_hormone_G-protein_coupled_receptor_Acropora_digitifera_Cnidaria
XP_002155960.1_GPHR_similar_to_follicle-stimulating_hormone_receptor_Hydra_magnipapillata_Cnidaria
100/100
92.2/78
Bursicon R
98.4/100
42.7/87
XP_001635321.1_BursR_predicted_protein_Nematostella_vectensis_Cnidaria
XP_015766295.1_BursR_lutropin-choriogonadotropic_hormone_receptor-like_Acropora_digitifera_Cnidaria
XP_002169896.1_BursR_similar_to_rickets_CG8930-PA_Hydra_magnipapillata_Cnidaria
Veenstra_2021_BursiconR-like_Anneissia_japonica_Ambulacraria
99.5/100
97.6/100
32.1/4
XP_782167.3_BursR_lutropin-choriogonadotropic_hormone_receptor-like_Strongylocentrotus_purpuratus_Ambulacraria
Veenstra_2021_BursiconR-like_Strongylocentrotus_purpuratus_Ambulacraria
90.3/97
40.7/56
28.7/53
Veenstra_2021_BursiconR-like_Asterias_rubens_Ambulacraria
Veenstra_2021_BursiconR-like_Amphiura_filiformis_Ambulacraria
96.7/99
Veenstra_2021_BursiconR-like_Apostichopus_japonicus_Ambulacraria
100/100
GDGM01495386.1_BursiconR-like_Ptychodera_flava_Ambulacraria
XP_006822611.1_BursiconR-like_Saccoglossus_kovalewskii_Ambulacraria
g5048.t1_Xenoturbella_bocki_Xenacoelomorpha_Bursicon-Rc
95.3/99
EFX85901.1_BursR_DAPPUDRAFT_454411_partial_Daphnia_pulex_Ecdysozoa
93.3/99
XP_002423467.1_BursR_class_A_rhodopsin-like_G-protein_coupled_receptor_GPRrk_putative_Pediculus_humanus_Ecdysozoa
72.7/94
97.8/100
XP_9755514.1_BursR_similar_to_leucine-rich_transmembrane_protein_Tribolium_castaneum_Ecdysozoa
93.6/48/100
NP_476702.1_BursR_rickets_Drosophila_melanogaster_Ecdysozoa
XP_002407612.1_BursR_leucine-rich_repeat-containing_G-protein_coupled_receptor_lgr_putative_Ixodes_scapularis_Ecdysozoa
100/100
27.9/72
XP_003737324.1_BursR_thyrotropin_receptor-like_Metaseiulus_occidentalis_Ecdysozoa
XP_009052027.1_BursR_LOTGIDRAFT_115178_lottia gigantea_Spiralia
94.6/77
34/85
ELT93687.1_BursR_CAPTEDRAFT_226336_Capitella_teleta_Spiralia
EKC26266.1_BursR_Leucine-rich_repeat-containing_G-protein_coupled_receptor_5_Crassostrea_gigas_Spiralia
99.9/100
GPCR
0.4