A phylogenetic tree showing relationships among sequences. Branch support values and taxon labels are as follows:

- 63
  - Dpul_mRNA6238 | OG0 |
  - 96
    - Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA122379 | OG0 |
    - 100
      - Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA124483 | OG0 |
      - 98
        - Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA176469 | OG0 |
        - 100
          - Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA34391 | OG0 |
          - 99
            - Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA218695 | OG0 |
            - Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA39048 | OG0 |

- 1
  - 73
    - 96
      - 100
        - Bralan_BLAG06000686_1 | OG1 |
        - 99
          - Bralan_BLAG06000687_3 | OG1 |
          - 100
            - Bralan_BLAG11001102_1 | OG1 |
            - Bralan_BLAG11001103_1 | OG1 |
      - 100
        - Hsap_ENST00000374832 | OG1 |
        - 100
          - Hsap_ENST00000295463 | OG1 |
          - 100
            - Hsap_ENST00000392027 | OG1 |
            - Hsap_ENST00000295453 | OG1 |
    - 91
      - 93
        - Acagra_model.g19229.t1 | OG1 |
        - 92
          - Cgig_XM_011431871.3 | OG1 |
          - Acagra_model.g29619.t1 | OG1 |
      - 93
        - 95
          - Cgig_XM_011431742.3 | OG1 |
          - Cgig_XM_034480217.1 | OG1 |
        - Acagra_model.g26683.t1 | OG1 |
      - 97
        - Acagra_model.g30672.t1 | OG1 |
        - 99
          - 100
            - Acagra_model.g29486.t1 | OG1 |
            - 82
              - Acagra_model.g29487.t1_model.g29488.t1.1.5d40117d | OG1 |
        - 99
          - Cgig_XM_011447735.3 | OG1 |
          - 100
            - Lcom_lcpid237945 | OG1 |
            - 99
              - Lcom_lcpid108410 | OG1 |
              - Lcom_lcpid150284 | OG1 |
  - 70
    - 40
      - 100
        - Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA29206 | OG1 |
        - Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA27603 | OG1 |
      - 68
        - Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA149113 | OG1 |
        - 100
          - Cgig_XM_011414952.3 | OG1 |
          - 100
            - Cgig_XM_034483095.1 | OG1 |
            - Cgig_XM_034483097.1 | OG1 |
    - 49
      - 64
        - 43
          - Lcom_lcpid113526 | OG1 |
          - 56
            - Lcom_lcpid240195 | OG1 |
            - Lcom_lcpid161903 | OG1 |
        - 79
          - Tcas_TC034155_001 | OG1 |
          - 94
            - Dpul_mRNA30842 | OG1 |
            - 100
              - Dpul_mRNA30843 | OG1 |
              - 100
                - Dpul_mRNA16632 | OG1 |
                - 100
                  - Dpul_mRNA23205 | OG1 |
                  - Dpul_mRNA29892 | OG1 |
      - 56
        - 68
          - 88
            - Cscu_XM_023387560.1 | OG1 |
            - Tcas_TC007539_001 | OG1 |
          - 78
            - Dpul_mRNA2343 | OG1 |
            - 78
              - Tcas_TC031264_001 | OG1 |
              - Cscu_XM_023356245.1 | OG1 |
        - 61
          - 51
            - Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA172073 | OG1 |
            - Tcas_TC032020_001 | OG1 |
          - 98
            - Cscu_XM_023369297.1 | OG1 |
            - 66
              - Cscu_XM_023369296.1 | OG1 |
              - Cscu_XM_023369264.1 | OG1 |
            - 100
              - Cscu_XM_023373290.1 | OG1 |
              - 100
                - Cscu_XM_023373306.1 | OG1 |
                - 99
                  - Cscu_XM_023373598.1 | OG1 |

- 70
  - Bralan_BLAG02002234_1 | OG2 |
  - 63
    - 59
      - Spur_XM_030979073.1 | OG2 |
      - 96
        - Spur_XM_030986901.1 | OG2 |
        - 100
          - Spur_XM_030987709.1 | OG2 |
          - 100
            - Spur_XM_030987710.1 | OG2 |
            - Spur_XM_030986711.1 | OG2 |
    - 47
      - Spur_XM_778350.4 | OG2 |
      - 49
        - Bralan_BLAG06000572_1 | OG2 |
        - 35
          - 100
            - Skow_NM_001168027.1 | OG2 |
            - 98
              - Skow_XM_002737210.1 | OG2 |
              - Skow_NM_001168027.1-2 | OG2 |
          - 48
            - Skow_XM_002730789.2 | OG2 |
            - 74
              - 100
                - Skow_XM_006811595.1 | OG2 |
                - Skow_XM_006811599.1 | OG2 |
              - 82
                - 100
                  - Skow_XM_002736802.2 | OG2 |
                  - Skow_XM_002732671.1 | OG2 |
                - 100
                  - Skow_XM_002739483.2 | OG2 |
                  - Skow_XM_006822431.1 | OG2 |

  - 95
    - 98
      - 100
        - 99
          - HoiH11_mRNA4151 | OG2 |
          - 100
            - TrH2_TrispH2_002514-RA | OG2 |
            - Tadh_TriadT54135 | OG2 |
        - 87
          - 100
            - HoiH23_PlH23_001183-RA | OG2 |
            - HoiH06_mRNA8991 | OG2 |
          - 100
            - Hhon_g02750.t1 | OG2 |
            - HoiH04_mRNA14482 | OG2 |
      - 100
        - 100
          - HoiH23_PlH23_001184-RA | OG2 |
          - Hhon_g02751.t1 | OG2 |
        - 100
          - TrH2_TrispH2_002513-RA | OG2 |
          - Tadh_TriadT54134 | OG2 |
      - 100
        - TrH2_TrispH2_002512-RA | OG2 |
        - Tadh_TriadT22012 | OG2 |
      - 100
        - HoiH11_mRNA6532 | OG2 |
        - 100
          - HoiH23_PlH23_001185-RA | OG2 |
          - 100
            - HoiH06_mRNA14654 | OG2 |
            - Hhon_g02757.t1 | OG2 |
            - HoiH04_mRNA4923 | OG2 |
    - 81
      - 100
        - Xesp_009731-T1 | OG2 |
        - 100
          - Dgig_XM_028551656.1 | OG2 |
          - 64
            - Dgig_XM_028551655.1 | OG2 |
            - Dgig_XM_028538223.1 | OG2 |
      - 100
        - 100
          - Rhoesc_Res_016620-T1 | OG2 |
          - 100
            - Sanmal_Sma_017816-T1 | OG2 |
            - Sanmal_Sma_017826-T1 | OG2 |
            - 100
              - Sanmal_Sma_017817-T1 | OG2 |
              - Sanmal_Sma_017827-T1 | OG2 |
        - 100
          - Morvir_scaffold47.g123.t1 | OG2 |
          - Morvir_scaffold47.g128.t1 | OG2 |
          - 100
            - Chem_TCONS_00009968 | OG2 |
            - 100
              - Hvul_g23952_1 | OG2 |
              - 100
                - Hvul_g26466_1 | OG2 |
                - 99
                  - Hvul_g19532_1 | OG2 |
                  - 100
                    - Hvul_g26468_1 | OG2 |
                    - Hvul_g23953_1 | OG2 |
    - 92
      - Nvec_NVE11514 | OG2 |
      - 100
        - 100
          - Exapal_XM_021052996.2 | OG2 |
          - Exapal_XM_021054924.2 | OG2 |
        - 87
          - Nvec_v1g27950 | OG2 |
          - 87
            - 100
              - Nvec_v1g162264 | OG2 |
              - Nvec_v1g243830 | OG2 |
      - 88
        - 93
          - 100
            - Gasp_gasp1.m3.10993.m1 | OG2 |
            - 99
              - Spis_XP_022781404_1 | OG2 |
              - Pocdam_XM_027184599.1 | OG2 |
          - 99
            - Gfas_gfas1.m1.7882.m1 | OG2 |
            - 100
              - Gfas_gfas1.m1.8776.m1 | OG2 |
              - 100
                - Amil_Amillepora20297-RA | OG2 |
                - Adig_XM_015917192.1 | OG2 |
                - 100
                  - Adig_XM_015893618.1 | OG2 |
                  - 100
                    - Amil_Amillepora20298-RA | OG2 |
                    - Adig_XM_015917140.1 | OG2 |
        - 93
          - 82
            - Gasp_gasp1.m3.10989.m1 | OG2 |
            - Fspp_ffun1.m4.22005.m1 | OG2 |
          - 100
            - Adig_XM_015893617.1 | OG2 |
            - 99
              - Adig_XM_015893621.1 | OG2 |
              - Adig_XM_015916665.1 | OG2 |
          - 93
            - Amil_Amillepora19876-RA | OG2 |
            - 100
              - Adig_XM_015896994.1 | OG2 |
              - 100
                - Gfas_gfas1.m1.13770.m1 | OG2 |
                - Adig_XM_015896927.1 | OG2 |
                - 99
                  - Amil_Amillepora19875-RA | OG2 |
                  - Adig_XM_015896995.1 | OG2 |
        - 91
          - Spis_XP_022794922_1 | OG2 |
          - 100
            - Pocdam_XM_027188081.1 | OG2 |
            - Fspp_ffun1.m4.12795.m1 | OG2 |
          - 100
            - Gasp_gasp1.m3.6058.m1 | OG2 |
            - 90
              - Gasp_gasp1.m3.6057.m1 | OG2 |
              - Gasp_gasp1.m3.6055.m1 | OG2 |
              - Gasp_gasp1.m3.6059.m1 | OG2 |
          - 100
            - Fspp_ffun1.m4.22007.m1 | OG2 |
            - Pocdam_XM_027184567.1 | OG2 |
          - 96
            - Fspp_ffun1.m4.22002.m1 | OG2 |
            - 46
              - Fspp_ffun1.m4.31225.m1 | OG2 |
              - Fspp_ffun1.m4.22000.m1 | OG2 |
              - Fspp_ffun1.m4.22004.m1 | OG2 |
            - 75
              - Pocdam_XM_027184527.1 | OG2 |
              - 100
                - Spis_XP_022781343_1 | OG2 |
                - Spis_XP_022777863_1 | OG2 |
            - 40
              - Fspp_ffun1.m4.22008.m1 | OG2 |
              - 68
                - Fspp_ffun1.m4.22006.m1 | OG2 |
                - 38
                  - Fspp_ffun1.m4.18715.m1 | OG2 |
                  - Fspp_ffun1.m4.13740.m1 | OG2 |

0.416667