```
100
                                 •Aque_Aqu2.1.26763_001 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
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           100
                                •Tetwil_g6757.t1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
              86
                               •Tetwil g6699.t1 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                  100
                                  r-Tetwil g6697.t1 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                     100
                               100<sup>1</sup>-Tetwil_g6698.t2 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                       97
                                    Tetwil g22933.t1 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                    •Tetwil_g6700.t2 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                     •Hhon g10382.t1 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                      TrH2 TrispH2 010114-RA | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
 77
                   Tadh_TriadT59549 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                    •Dgig_XM_028554221.1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                        -Morvir_scaffold165.g17.t1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                 Nemnom g14168.t1 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
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                               Nemnom g14169.t1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                     100
                              Nemnom_g7445.t1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
       45
                              -Nemnom_g10198.t1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                        60
                           <sup>100</sup>lNemnom g20050.t1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                           •Nemnom_g13074.t1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
   70
                                          •Nemnom g13076.t1 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                 100
           100
                                              •Nemnom_g13075.t1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                     100
                                               •Nemnom_g13079.t1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                      100
                                              100
                                                    •Hvul g18875 1 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                                •Morvir scaffold519.g25.t1 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2
                             100
                                                   •Morvir_scaffold85.g75.t1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                         •Morvir_scaffold82.g3.t1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                           99
                                                    Morvir_scaffold22.g6.t1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                   Nemnom_g16498.t1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                       •Nemnom g15079.t1 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                100
                                              -Hvul g9062 1 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                                 •Hvul_g9063_1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                                •Hvul g27604 1 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                                   -Hvul g27610 1 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                        Exapal XM 021042193.2 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                        •Nvec_v1g81538 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                           •Cint ENSCINT00000019462 | MFS 1.HG10.0:FLVCR1/FLVCR2 | NA |
                         100
                                             •Cint ENSCINT00000035432 | MFS 1.HG10.0:FLVCR1/FLVCR2 | NA |
       41
                                                               •Cint_ENSCINT00000036216 | MFS_1.HG10.0:FLVCR1/FLVCR2 | NA |
                                                                    •Cint_ENSCINT00000033002 | MFS_1.HG10.0:FLVCR1/FLVCR2 | NA |
                                          •Tcas_TC034340_001 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                              •Tcas TC013171 001 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
          75
                93
                            Dmel FBtr0088948 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                  98
                                    --Tcas_TC032973_001 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                   •Cint ENSCINT00000010450 | MFS 1.HG10.0:FLVCR1/FLVCR2 | NA |
              97
                               •Ctel gnl WGS AMQN CAPTEDRAFT mRNA119493 | MFS 1.HG10.0:FLVCR1/FLVCR2 | NA |
                  33
                             ·Cgig_XM_034477993.1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | NA |
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                                     •Cgig_XM_034479462.1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | NA |
                         100
                                 •Cgig_XM_034479464.1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | NA |
                              Spur XM 786195.5 | MFS 1.HG10.0:FLVCR1/FLVCR2 | NA |
                                Bralan BLAG04001570 1 | MFS 1.HG10.0:FLVCR1/FLVCR2 | NA |
                            •Bralan_BLAG02000185_1 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                               Cint_ENSCINT00000013904 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                      45
                             <sup>100</sup> Cint_ENSCINT00000028301 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1/FLVCR2 |
                                Drer ENSDART00000041397 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1 |
                    41
                                 •Mmus ENSMUST00000085635 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR1 |
                            <sup>100</sup>□-Hsap_ENST00000366971 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR1 |
                                  100
                              <sup>100</sup>└-Mmus_ENSMUST00000040461 | MFS_1.HG10.0:FLVCR1/FLVCR2 | FLVCR2 |
                        100
                                 Drer ENSDART00000038696 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR2 |
                                 •Drer ENSDART00000159072 | MFS 1.HG10.0:FLVCR1/FLVCR2 | FLVCR2 |
                              •Emue_Em0013g53a.t1 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                                 •Emue_Em0013g46a.t1 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                    100
                                  •Emue_Em0013g45a.t1 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                       61
                                    •Tetwil_g23472.t2 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                         61
                                           -Aque Aqu2.1.30876 001 | MFS 1.HG10.1:SLC49A3 | SLC49A3 |
                                           -Aque_Aqu2.1.40602_001 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                            •Ocar_g10825 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
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                                         •Scil scict024890.1 | MFS 1.HG10.1:SLC49A3 | SLC49A3 |
                                       Gracom_Gcom_scaffold10031_01 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                              100
                                    <sup>100</sup> Gracom_Gcom_scaffold10032_01 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
              83
                                        •Spur_XM_011663138.2 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                                      •Spur_XM_785490.5 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                                       Ctel gnl WGS AMQN CAPTEDRAFT mRNA172928 | MFS 1.HG10.1:SLC49A3 | NA |
                                                  -Skow_XM_006817448.1 | MFS_1.HG10.1:SLC49A3 | NA |
                          86
                                               <sup>100</sup> Skow_XM_006817449.1 | MFS_1.HG10.1:SLC49A3 | NA |
                                100
                                              •Skow_XM_002739652.2 | MFS_1.HG10.1:SLC49A3 | NA |
                                          100 Skow XM 006822648.1 | MFS_1.HG10.1:SLC49A3 | NA |
                                     Cgig XM 034472824.1 | MFS 1.HG10.1:SLC49A3 | SLC49A3
                                       •Bralan_BLAG03001603_1 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                               100
                                       •Bralan_BLAG03001611_1 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                                               •Mmus_ENSMUST00000031455 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
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                                                 •Hsap_ENST00000404286 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
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                                                             •Cint_ENSCINT00000030215 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                                    Exapal XM 021041425.1 | MFS 1.HG10.1:SLC49A3 | SLC49A3 |
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                                      •Nvec v1g85909 | MFS 1.HG10.1:SLC49A3 | SLC49A3 |
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                                    ·Spis_XP_022795707_1 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                              100
                                       •Adig_XM_015903082.1 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                       85
                                      •Dgig_XM_028535778.1 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
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                                            Nemnom_g16623.t1 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                              100
                                                •Hvul_g29627_1 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                     91
                                    <sub>[</sub>+HoiH23_PIH23_007943-RA | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                                 <sup>100</sup><sup>1</sup>-Hhon_g03338.t1 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                                    Tadh TriadT32990 | MFS 1.HG10.1:SLC49A3 | SLC49A3
                                  <sup>1001</sup>TrH2 TrispH2 007835-RA | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                       81
                                                     radh_TriadT58608 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                                                   100 TrH2_TrispH2_008197-RA | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                                                     -HoiH23_PIH23_003686-RA | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                                                  <sup>100</sup><sup>™</sup>-Hhon g04382.t1 | MFS_1.HG10.1:SLC49A3 | SLC49A3 |
                                             Ocar g464 | MFS 1.HG10.2:like:SLC49A3 | NA |
                                              •Plajan_Pjan_C558087_01 | MFS_1.HG10.2:like:SLC49A3 | NA |
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                                              •Plajan Pjan C560602 01 | MFS 1.HG10.2:like:SLC49A3 | NA |
                                               •Plajan_Pjan_C559215_01 | MFS_1.HG10.2:like:SLC49A3 | NA |
                                       •Scil scict000992.2 | MFS 1.HG10.2:like:SLC49A3 | NA |
                                       Gracom Gcom C555450 01 | MFS 1.HG10.2:like:SLC49A3 | NA |
                     98
                                  •Scil scict004370.1 | MFS 1.HG10.2:like:SLC49A3 | NA |
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                                100
                                         •Aque_Aqu2.1.29465_001 | MFS_1.HG10.2:like:SLC49A3 | NA |
                                         Emue Em0002g676a.t1 | MFS 1.HG10.2:like:SLC49A3 | NA |
                           100
                                       <sup>100</sup> - Emue_Em0002g766a.t1 | MFS_1.HG10.2:like:SLC49A3 | NA |
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                                         •Tetwil g9931.t1 | MFS 1.HG10.2:like:SLC49A3 | NA |
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                                       •Tetwil_g9932.t2 | MFS_1.HG10.2:like:SLC49A3 | NA |
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                                                  Vmul Simscaffold71 01 | MFS 1.HG10.3:like:SLC49A3 | NA |
                                                   Coemet Cmet scaffold400 01 | MFS 1.HG10.3:like:SLC49A3 | NA |
                      85
                                                      •Mlei ML1061.g4.i1 | MFS 1.HG10.3:like:SLC49A3 | NA |
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                                                       <sup>1001</sup>Horcal_Hcv1.av93.c11.g6.i1 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                                         •Mlei_ML1452.g1.i1 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                                        Horcal_Hcv1.av93.c11.g880.i2 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                                      <sup>100</sup> Horcal_Hcv1.av93.c11.g880.i3 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                    •Drer_ENSDART00000016370 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                         •Hvul g33442 1 | MFS 1.HG10.3:like:SLC49A3 | NA |
                                           •Gracom_Gcom_scaffold12608_01 | MFS_1.HG10.3:like:SLC49A3 | NA |
                   57
                                               Gracom Gcom scaffold333 01 | MFS 1.HG10.3:like:SLC49A3 | NA |
                           99
                                            1001 Gracom Gcom scaffold334 01 | MFS 1.HG10.3:like:SLC49A3 | NA |
                     41
                                                    •Cgig_XM_011431051.3 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                         •Cgig XM 034447460.1 | MFS 1.HG10.3:like:SLC49A3 | NA |
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                                                      •Cgig_XM_034447483.1 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                                     -Cgig XM 034447472.1 | MFS 1.HG10.3:like:SLC49A3 | NA |
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                                                  <sup>100</sup> Cgig_XM_034447469.1 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                        84
                                     100
                                                        •Spur_XM_030990458.1 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                 93
                                                  •Bralan_BLAG11000985_1 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                                   •Bralan_BLAG05000536_1 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                                  95
                                         100
                                                  •Bralan_BLAG05000146_1 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                                 r-HoiH23 PIH23 005841-RA | MFS 1.HG10.3:like:SLC49A3 | NA |
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                                                 Tadh_TriadT60866 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                                  Tadh_TriadT60867 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                                 97<sup>1</sup>TrH2_TrispH2_011283-RA | MFS_1.HG10.3:like:SLC49A3 | NA |
                                               Spis XP 022799458 1 | MFS 1.HG10.3:like:SLC49A3 | NA |
                                                •Exapal_XM_021045033.2 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                                •Nvec_v1g30750 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                  99
                                               Dgig_XM_028542950.1 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                                   •Morvir_scaffold2.g31.t1 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                                        •Spis_XP_022784399_1 | MFS_1.HG10.3:like:SLC49A3 | NA
                                          99
                                                  100
                                                        •Adig_XM_015916253.1 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                                      •Nvec_v1g21744 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                             Ocar g626 | MFS 1.HG10.3:like:SLC49A3 | NA |
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                                                 •Nemnom_g13246.t1 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                                69
                                                             •Nvec_v1g197491 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                                                        •Nvec_NVE20921 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                                          •Spis_XP_022792337_1 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                                            •Adig_XM_015920983.1 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                                             •Exapal_XM_021037999.2 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                                            •Spis_XP_022781808_1 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                                            Adig_XM_015914489.1 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                                          <sup>100</sup> Adig XM 015893936.1 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                  94
                                                           Dgig_XM_028535001.1 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                                      Dgig_XM_028549044.1 | MFS_1.HG10.3:like:SLC49A3 | NA |
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                                                    100
                                                        -Dgig_XM_028540037.1 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                                    00 Dgig_XM_028539916.1 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                    100
                                                    •Spis_XP_022789164_1 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                                     -Adig XM 015910469.1 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                                •Nvec_v1g85723 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                                 Exapal XM 021037992.2 | MFS 1.HG10.3:like:SLC49A3 | NA |
                                                Spis_XP_022781818_1 | MFS_1.HG10.3:like:SLC49A3 | NA |
                                                -Adig XM 015893939.1 | MFS 1.HG10.3:like:SLC49A3 | NA |
0.416667
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