```
■Pantro ENSPTRP00000060942 | RefOG048.0 |
        100
     <sup>100</sup> Ratnor ENSRNOP0000074727 | RefOG048.1 |
         Mmus ENSMUSP00000155671 | RefOG048.3 |
            Mmus ENSMUSP00000155762 | RefOG048.3 |
   99
              Mmus ENSMUSP00000139132 | RefOG048.3 |
            66 Mmus ENSMUSP00000155507 | RefOG048.3 |
                 Pantro ENSPTRP00000069586 | RefOG048.6 |
                    Bralan BL10231 evm0 | RefOG048.6 |
                    Pantro ENSPTRP00000077042 | RefOG048.7 |
             99
                         Canfam ENSCAFP00000066322 | RefOG048.7 |
                              Ratnor_ENSRNOP00000073014 | RefOG048.7 |
                    Hsap ENSP00000499044 | RefOG048.11 |
                      Pantro ENSPTRP00000082703 | RefOG048.12 |
                        Pantro ENSPTRP00000081657 | RefOG048.13 |
                         Pantro_ENSPTRP00000075709 | RefOG048.14 |
                            Mmus_ENSMUSP00000060523 | RefOG048.15 |
                              Pantro ENSPTRP00000002306 | RefOG048.16 |
                               Pantro ENSPTRP00000055354 | RefOG048.8 |
                                 •Ratnor ENSRNOP00000022897 | RefOG048.8 |
                                  Mmus_ENSMUSP00000132102 | RefOG048.8
                                    _•Galgal_ENSGALP00000045617 | RefOG048.8 |
                                   Mondom ENSMODP00000021571 | RefOG048.8 |
                            Pantro ENSPTRP00000091617 | RefOG048.17 |
                              Pantro ENSPTRP00000066134 | RefOG048.18 |
                                 Canfam_ENSCAFP00000065740 | RefOG048.19 |
                                   Canfam_ENSCAFP00000052574 | RefOG048.20 |
                                    Ratnor ENSRNOP00000066362 | RefOG048.21 |
                                          Tetnig ENSTNIP00000021486 | RefOG048.9 |
                                            •Drer ENSDARP00000029079 | RefOG048.9 |
                                          82 Drer_ENSDARP00000072300 | RefOG048.9 |
                                              ■Mlei_ML14587a-PA | RefOG048.9 |
                                                 Tadh TriadP37472 | RefOG048.9 |
                                                Nvec EDO41437 | RefOG048.9 |
                                                Cele WBGene00004496.1 | RefOG048.9 |
                                                ■Dmel FBpp0293236 | RefOG048.9 |
                                                    Sman_Smp_041650 | RefOG048.9 |
                                          Canfam ENSCAFP00000036474 | RefOG048.22 |
                                          Canfam ENSCAFP00000042906 | RefOG048.23 |
                                               Galgal_ENSGALP00000065928 | RefOG048.10 |
                                                 <sub>-</sub>Drer_ENSDARP00000140190 | RefOG048.10 |
                                                  Tetnig_ENSTNIP00000011235 | RefOG048.10 |
                                               Mondom ENSMODP00000053445 | RefOG048.10 |
                                                    .■Hsap ENSP00000453764 | RefOG048.10 |
                                                 100 Pantro ENSPTRP00000092483 | RefOG048.10 |
                                                   •Ratnor_ENSRNOP00000071243 | RefOG048.10 |
                                                        Canfam_ENSCAFP00000059444 | RefOG048.10 |
                                                        _-Canfam ENSCAFP00000049493 | RefOG048.10 |
                                                        --Mmus ENSMUSP00000120518 | RefOG048.10 |
       •Mondom_ENSMODP00000023875 | RefOG048.24 |
                     Mondom_ENSMODP00000049929 | RefOG048.2 |
                  <sup>100</sup> Pantro ENSPTRP00000015384 | RefOG048.2 |
                  Hsap ENSP00000312402 | RefOG048.2 |
               <sup>100</sup> Pantro_ENSPTRP00000015381 | RefOG048.2 |
        97
                 Ratnor_ENSRNOP00000067903 | RefOG048.2 |
                    Mmus_ENSMUSP00000155573 | RefOG048.2 |
100
                      Mmus ENSMUSP00000044435 | RefOG048.2 |
            100
                         Mmus ENSMUSP00000155693 | RefOG048.2 |
                      100 Mmus ENSMUSP00000155729 | RefOG048.2 |
                        Mmus ENSMUSP00000155412 | RefOG048.2 |
                       •Mmus ENSMUSP00000155629 | RefOG048.2 |
                        Mmus_ENSMUSP00000155345 | RefOG048.2 |
   100
                          Mmus ENSMUSP00000040060 | RefOG048.2 |
                        82 Mmus ENSMUSP00000155522 | RefOG048.2 |
             Canfam ENSCAFP00000057145 | RefOG048.4 |
                Hsap ENSP00000299977 | RefOG048.4 |
        99
              Pantro ENSPTRP00000060122 | RefOG048.4 |
                     Ratnor_ENSRNOP00000037767 | RefOG048.4 |
           98
                      Mmus_ENSMUSP00000064819 | RefOG048.4 |
                100
                         Mmus ENSMUSP00000155340 | RefOG048.4 |
                   100
                           Mmus ENSMUSP00000154919 | RefOG048.4 |
                         71 Mmus ENSMUSP00000155253 | RefOG048.4 |
      98
                     ■Hsap_ENSP00000354412 | RefOG048.5 |
                  100 -Pantro_ENSPTRP00000060634 | RefOG048.5 |
                     Hsap ENSP00000378063 | RefOG048.5 |
               100
                        Pantro ENSPTRP00000070164 | RefOG048.5
                     <sup>100</sup> Pantro ENSPTRP00000090493 | RefOG048.5 |
                            Mmus_ENSMUSP00000154999 | RefOG048.5
            100
                               Mmus_ENSMUSP00000155658 | RefOG048.5 |
                                Mmus ENSMUSP00000047782 | RefOG048.5 |
                               <sup>1</sup> ■Mmus ENSMUSP00000155725 | RefOG048.5 |
                            Ratnor_ENSRNOP00000052810 | RefOG048.5 |
                100
                             Mmus_ENSMUSP00000155071 | RefOG048.5 |
                       100
                              Mmus_ENSMUSP00000155255 | RefOG048.5 |
                                _■Mmus ENSMUSP00000035562 | RefOG048.5 |
                               1 Mmus ENSMUSP00000155257 | RefOG048.5 |
                   99
                                Ratnor_ENSRNOP00000072460 | RefOG048.5 |
                            •Mmus ENSMUSP00000155134 | RefOG048.5 |
                                    Mmus ENSMUSP00000000208 | RefOG048.5 |
                         100
                               100
                                       .■Mmus ENSMUSP00000155571 | RefOG048.5 |
                                    100 Mmus ENSMUSP00000155797 | RefOG048.5 |
                            100
                                  •Mmus_ENSMUSP00000155768 | RefOG048.5 |
                                    Mmus ENSMUSP00000155841 | RefOG048.5 |
                                       Mmus ENSMUSP00000150425 | RefOG048.5 |
                                          Mmus ENSMUSP00000154858 | RefOG048.5 |
                                       <sup>100</sup> ■Mmus ENSMUSP00000155220 | RefOG048.5 |
```

Canfam ENSCAFP00000026988 | RefOG048.0 |