```
-Auraur_scaffold4760.g1.t1_21-210 | RVT.HG51.1:NA | NA |
                Ptyfla pfl 40v0 9 20150316 1g12677.t1 45-305 | RVT.HG51.1:NA | NA |
      98
                        Ptyfla_pfl_40v0_9_20150316_1g305.t1_46-269 | RVT.HG51.1:NA | NA |
                     <sup>41</sup>-Ptyfla_pfl_40v0_9_20150316_1g3013.t1_44-269 | RVT.HG51.1:NA | NA |
   96
                   Auraur_scaffold471.g6.t1_258-382 | RVT.HG51.2:NA | NA |
                        •Mlei_ML0063_g15_t1_12-282 | RVT.HG51.2:NA | NA |
                                      Hydvul_Sc4wPfr_278.g7406.t1_39-244 | RVT.HG51.2:NA | NA |
                   90
      95
                                      r■Hydvul_Sc4wPfr_789.g22436.t1_17-203 | RVT.HG51.2:NA | NA |
                                        _-Hydvul_Sc4wPfr_385.g24460.t1_53-206 | RVT.HG51.2:NA | NA |
                                      88 - Hydvul_Sc4wPfr_2949.g24298.t1_8-169 | RVT.HG51.2:NA | NA |
               100
                        •Mlei_ML1439_g10_t1_89-321 | RVT.HG51.2:NA | NA |
                           •Mlei ML0681 g9 t1 14-125 | RVT.HG51.2:NA | NA |
                             Mlei_ML0951_g3_t1_14-197 | RVT.HG51.2:NA | NA |
                                 --Mlei_ML2798_g17_t1_1-107 | RVT.HG51.2:NA | NA |
                                     •Mlei_ML3007_g7_t1_331-428 | RVT.HG51.2:NA | NA |
                   Ptyfla_pfl_40v0_9_20150316_1g393.t1_1-204 | RVT.HG51.3:NA | NA |
                    --Ptyfla_pfl_40v0_9_20150316_1g22162.t1_791-916 | RVT.HG51.3:NA | NA |
                   -Exapal XP 020907861.1 348-623 | RVT.HG51.3:NA | NA |
      56
               <sup>100</sup> -Exapal_XP_020907861.1_1079-1291 | RVT.HG51.3:NA | NA |
         100
                 Spis_Spis3847_1_708-828 | RVT.HG51.3:NA | NA |
                   Spis_Spis24038_1_701-952 | RVT.HG51.3:NA | NA |
                     ■Spis_Spis23017_1_619-871 | RVT.HG51.3:NA | NA |
                   88 Spis Spis6725_1_734-986 | RVT.HG51.3:NA | NA |
                  Spis_Spis5450_1_10-145 | RVT.HG51.5:NA | NA |
   44
                100
                ■Spis_XP_022794879_1_517-762 | RVT.HG51.5:NA | NA |
                     Spis Spis25449 1 1-113 | RVT.HG51.7:NA | NA |
                       •Adia XP 015780813.1_639-915 | RVT.HG51.7:NA | NA |
                        Adig_XP_015778772.1_121-276 | RVT.HG51.7:NA | NA |
                           Adig_XP_015747808.1_15-140 | RVT.HG51.7:NA | NA |
           90
                      Spis_Spis22461_1_844-1034 | RVT.HG51.8:NA | NA |
                 <sup>100</sup> •Spis Spis24296_1_339-430 | RVT.HG51.8:NA | NA |
                           Spis Spis7593 1 28-164 | RVT.HG51.8:NA | NA |
              99
                           Spis_Spis6672_1_307-443 | RVT.HG51.8:NA | NA |
                           Spis_Spis6644_1_8-152 | RVT.HG51.8:NA | NA |
        69
                           ■Spis_Spis22462_1_68-180 | RVT.HG51.8:NA | NA |
                   Spis_Spis2439_1_154-407 | RVT.HG51.9:NA | NA |
                100 Spis Spis20728 1 154-408 | RVT.HG51.9:NA | NA |
                    ■Spis_Spis2439_1_582-835 | RVT.HG51.9:NA | NA |
                     Adig_XP_015774076.1_265-511 | RVT.HG51.14:NA | NA |
                         ■Spis_Spis22065_1_1-149 | RVT.HG51.14:NA | NA |
           67
                           ■Nvec_NVE8000_292-423 | RVT.HG51.14:NA | NA |
                    100
                            ■Spis_Spis7185_1_109-308 | RVT.HG51.14:NA | NA |
                           Spis_XP_022794325_1_1699-1848 | RVT.HG51.15:NA | NA |
                   <sup>39</sup> Perkma_EER18941_1-176 | RVT.HG51.15:NA | NA |
                             Spis_Spis22626_1_153-401 | RVT.HG51.16:NA | NA |
                            26
                             ■Spis_Spis17756_1_47-162 | RVT.HG51.19:NA | NA |
                                 Spis_Spis18255_1_1-1-178 | RVT.HG51.20:NA | NA |
                    69
                                        Spis_XP_022791754_1_175-330 | RVT.HG51.17:NA | NA |
                                     68
                                  PNvec_NVE15218_203-469 | RVT.HG51.18:NA | NA |
                                       •Nvec_NVE11602_574-706 | RVT.HG51.18:NA | NA |
                                    Adig_XP_015755484.1_269-442 | RVT.HG51.18:NA | NA |
                                     Spis_Spis21890_1_1-131 | RVT.HG51.18:NA | NA |
              Auraur scaffold762.g5.t1 293-561 | RVT.HG51.0:NA | NA |
                 •Adig_XP_015759455.1_4-112 | RVT.HG51.0:NA | NA |
                       _XP_030839507.1_514-628 | RVT.HG51.4:NA | NA |
                    --Spur_XP_030834583.1_468-601 | RVT.HG51.4:NA | NA |
          98
                 <sup>100</sup> Spur_XP_030839454.1_172-341 | RVT.HG51.4:NA | NA |
                   Spur_XP_003724061.1_447-722 | RVT.HG51.21:NA | NA |
 74
                              Helrob HelroP78121 1-87 | RVT.HG51.10:NA | NA |
                          79
                       <sup>100</sup> •Spur_XP_030850962.1_556-719 | RVT.HG51.10:NA | NA |
           89
                                Helrob HelroP69966 1-49 | RVT.HG51.11:NA | NA |
                                ■Hydvul_Sc4wPfr_73.g11610.t1_504-706 | RVT.HG51.11:NA | NA |
   72
                                  Hydvul Sc4wPfr 1626.g30668.t1 331-607 | RVT.HG51.11:NA | NA |
                             99
                                       ■Hydvul_Sc4wPfr_366.g23801.t1_1-270 | RVT.HG51.11:NA | NA |
                                          Hydvul_Sc4wPfr_27.g12257.t1_199-349 | RVT.HG51.11:NA | NA |
                                           Hydvul Sc4wPfr 941.g5937.t1 66-209 | RVT.HG51.11:NA | NA |
                                          Hydvul_Sc4wPfr_773.g11721.t1_321-546 | RVT.HG51.11:NA | NA |
                                              Hydvul_Sc4wPfr_1040.g7625.t1_1-148 | RVT.HG51.11:NA | NA |
                                            <sup>66</sup> ■Hydvul_Sc4wPfr_347.g19312.t1_200-362 | RVT.HG51.11:NA | NA |
                                                    Hydvul_Sc4wPfr_14.g1814.t1_153-275 | RVT.HG51.11:NA | NA |
                                                 Hydvul_Sc4wPfr_923.g11440.t1_232-474 | RVT.HG51.11:NA | NA |
                                               <sup>73</sup>¯-■Hydvul_Sc4wPfr_455.g20427.t1_84-255 | RVT.HG51.11:NA | NA |
                           Spur_XP_030839460.1_1-172 | RVT.HG51.6:NA | NA |
            89
                        Lcom_lcpid98600_1-178 | RVT.HG51.6:NA | NA |
                      Lcom_lcpid152881_1-178 | RVT.HG51.6:NA | NA |
                            Spur_XP_030834100.1_275-400 | RVT.HG51.12:NA | NA |
                           ■Notgen_g24449.t1_386-574 | RVT.HG51.12:NA | NA |
                             Notgen_g17038.t1_129-238 | RVT.HG51.12:NA | NA |
        46
                88
                           ■Notgen_g39023.t1_151-379 | RVT.HG51.12:NA | NA |
                       <sup>100</sup> •Notgen_g7263.t1_1-201 | RVT.HG51.12:NA | NA |
                           Auraur_scaffold2407.g3.t1_1-203 | RVT.HG51.13:NA | NA |
                              •Drer_ENSDARP00000155576.1_14-288 | RVT.HG51.13:NA | NA |
           41
                                Skow_XP_006825364.1_188-316 | RVT.HG51.13:NA | NA |
                  62<sup>4</sup>
                                   Notgen_g4380.t1_382-626 | RVT.HG51.13:NA | NA |
                                    Notgen_g9060.t1_244-483 | RVT.HG51.13:NA | NA |
                            100
                    30
                                        ■Notgen_g38144.t1_151-324 | RVT.HG51.13:NA | NA |
                                         Notgen_g23458.t1_11-193 | RVT.HG51.13:NA | NA |
                         100
                                    Notgen_g41361.t1_378-592 | RVT.HG51.13:NA | NA |
                                     Notgen_g10004.t1_160-381 | RVT.HG51.13:NA | NA |
                                    Notgen_g34310.t1_169-429 | RVT.HG51.13:NA | NA |
                                 <sup>100</sup> -Notgen_g2435.t1_90-176 | RVT.HG51.13:NA | NA |
                                 Skow_XP_002739487.1_565-776 | RVT.HG51.13:NA | NA |
                          99
               43
                                    Skow_XP_006823245.1_261-362 | RVT.HG51.13:NA | NA |
                                ■Notgen_g9733.t1_158-396 | RVT.HG51.13:NA | NA |
                                   92
                                <sup>100</sup> -Notgen_g15506.t1_229-310 | RVT.HG51.13:NA | NA |
                                       Exapal_XP_020911246.1_589-694 | RVT.HG51.13:NA | NA |
                                        Spis_Spis12001_1_276-431 | RVT.HG51.13:NA | NA |
                                        Spis_Spis8884_1_1-211 | RVT.HG51.13:NA | NA |
                                            ■Spis_Spis14279_1_154-286 | RVT.HG51.13:NA | NA |
                                       Spis_Spis13644_1_178-414 | RVT.HG51.13:NA | NA |
                  35
                                    Spis_Spis2890_1_3-224 | RVT.HG51.13:NA | NA |
                               100
                                        •Adig_XP_015777064.1_227-372 | RVT.HG51.13:NA | NA |
                                          •Adig_XP_015759736.1_387-633 | RVT.HG51.13:NA | NA |
                                        Spis_XP_022805836_1_70-213 | RVT.HG51.13:NA | NA |
                                           Adig_XP_015749114.1_530-654 | RVT.HG51.13:NA | NA |
                                    100
                                               Adig XP 015773586.1 585-687 | RVT.HG51.13:NA | NA |
                                          Spis_Spis9533_1_149-278 | RVT.HG51.13:NA | NA |
                                                     Adig_XP_015774862.1_376-533 | RVT.HG51.13:NA | NA |
                                             Spis_Spis23498_1_117-306 | RVT.HG51.13:NA | NA |
                                        Spur_XP_030837603.1_19-169 | RVT.HG51.13:NA | NA |
                                        Notgen_g36205.t1_332-444 | RVT.HG51.13:NA | NA |
                                        Spur_XP_030848373.1_542-817 | RVT.HG51.13:NA | NA |
                                           Spur_XP_030834146.1_214-359 | RVT.HG51.13:NA | NA |
                                            ■Mlei_ML2034_g1_t1_1-195 | RVT.HG51.13:NA | NA |
                                             r■Mlei_ML0411_g1_t1_427-544 | RVT.HG51.13:NA | NA |
                                          <sup>100</sup> Mlei_ML2911_g1_t1_1-187 | RVT.HG51.13:NA | NA |
                                             ┌■Mlei_ML0569_g32_t1_289-540 | RVT.HG51.13:NA | NA |
                               100
                                          100
                                                 <sup>100</sup> •Mlei ML2318 g5 t1 231-479 | RVT.HG51.13:NA | NA |
                                                     •Mlei ML3007 g3 t1 216-328 | RVT.HG51.13:NA | NA |
                                          100
                                                     •Mlei_ML1664_g11_t1_1-221 | RVT.HG51.13:NA | NA |
                         68
                                                      ┌■Mlei_ML3549_g1_t1_31-276 | RVT.HG51.13:NA | NA |
                                                   <sup>100</sup> •Mlei_ML2563_g1_t1_1-180 | RVT.HG51.13:NA | NA |
                                      •Adig_XP_015777964.1_553-757 | RVT.HG51.13:NA | NA |
                                          ■Notgen_g33728.t1_631-795 | RVT.HG51.13:NA | NA |
                                                       •Adig_XP_015780261.1_1-108 | RVT.HG51.13:NA | NA |
                                             Adig_XP_015757462.1_440-713 | RVT.HG51.13:NA | NA |
                              88
                                                  Spis_Spis22490_1_272-471 | RVT.HG51.13:NA | NA |
                                               Adig XP_015770366.1_1-142 | RVT.HG51.13:NA | NA |
                                                          Skow XP 002730668.2 135-216 | RVT.HG51.13:NA | NA |
                                              Adig_XP_015776931.1_342-467 | RVT.HG51.13:NA | NA |
                                            ■Spis_Spis12254_1_684-958 | RVT.HG51.13:NA | NA |
                                             Spis_Spis3266_1_1048-1322 | RVT.HG51.13:NA | NA |
                                               _ Spis Spis12109 1 239-513 | RVT.HG51.13:NA | NA |
                                              1 Spis_Spis22468_1_319-593 | RVT.HG51.13:NA | NA |
0.416667
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