G1750_GTRGAMMA_ML_tree -Papi_Otholobium_arborescens_1011068 Papi_Otholobium_arborescens_1011067 Papi_Cullen_corylifolia_1012085 97 ·Papi_Otholobium_arborescens_1011066 98 74 Papi_Cullen_corylifolia_1012086 Papi_Glyma.02G063500.1 7<u>0</u> 98 ·Papi_Glyma.16G145200.2 8<u>0</u> Papi_Cajanus_020239375.1 Papi_Glyma.02G063000.3 ·Papi_Glyma.02G063300.1 Papi_Glyma.02G063100.1 ·Papi_Glyma.02G063400.1 8<u>0</u> Papi_Glyma.02G062900.1 ·Papi_Glyma.16G145100.1 Papi_Apios.81015 Papi_Apios.81016 ·Papi_Vang11g03490.1 Papi_Vradi07g10080.1 Papi_Phvul.003G248300.1 -Papi_Phvul.003G248200.1 -Papi_Vang11g03460.1 -Papi_Vradi07g10090.1 Papi_Phvul.003G248075.1 Papi_Apios.43097 Papi_Apios.43098 Papi_Apios.43099 Papi_Cajanus_020239382.1 Papi_Vang11g03470.1 -Papi_Vradi07g10110.1 88 Papi_Phvul.003G248050.1 -Papi_Glyma.02G063600.1 -Papi_Cajanus_020209966.2 9<u>9</u> Papi_Cajanus_020238602.2 Papi_Cajanus_020238612.2 Papi_Cajanus_020239379.1 88 Papi_Spatholobus_suberectus_1029115 6<u>9</u> Papi_Cajanus_020239377.1 Papi_Vang11g03480.1 Papi_Vradi07g10120.1 Papi_Phvul.003G248025.1 97 78 Papi_Otholobium_arborescens_1044055 ·Papi_Cullen_corylifolia_1039382 Papi_Glyma.05G083600.1 ·Papi_Spatholobus_suberectus_1031350 9<u>6</u> Papi_Canavalia_gladiata_1013806 ·Papi_Canavalia_gladiata_1013808 ·Papi_Canavalia_gladiata_1013805 81 Papi_Canavalia_gladiata_1013807 Papi_Aganope_thyrsiflora_1036450 Papi_Aganope_thyrsiflora_1004060 ·Papi_Aganope_thyrsiflora_1004059 Papi_Austrosteenisia_blackii_1050857 Papi_Gastrolobium_praemorsum_1023593 Papi_Gastrolobium_praemorsum_1023594 Papi_Gastrolobium_praemorsum_1023597 Papi_Jacksonia_scoparia_1007725 Papi_Pultenaea_villosa_1023053 91 Papi_Jacksonia_scoparia_1007726 Papi_Pultenaea_villosa_1023054 99 68 Papi_Gastrolobium_praemorsum_1023595 Papi_Erinacea_anthyllis_1302195 Papi_Hypocalyptus_sophoroides_1001525 Papi_Astragalus_lentiginosus_1030412 ·Papi_Astragalus_lentiginosus_1030410 ·Papi_Astragalus_lentiginosus_1030409 Papi_Astragalus_lentiginosus_1030413 └Papi_Astragalus_lentiginosus_1030416 -Papi_Colutea_arborescens_1015365 Papi_Colutea_arborescens_1015364 -Papi_Astragalus_lentiginosus_1030414 Papi_Astragalus_lentiginosus_1030411 Papi_Tibetia_himalaica_1038665 ·Papi_Tibetia_himalaica_1038657 Papi_Tibetia_himalaica_1038659 Papi_Tibetia_himalaica_1038663 ·Papi_Hippocrepis_comosa_1018989 98 ·Papi_Hippocrepis_comosa_1018990 6<u>9</u> Papi_Hippocrepis_comosa_1018991 Papi_Lj4g3v0843250.1 Papi_Hippocrepis_comosa_1049707 99 Papi_Lj4g3v0853320.2 Papi_Lj4g3v0853320.1 Papi_Lj4g3v0843090.1 Papi_Tp57577_TGAC_v2_mRNA31351 Papi_Tp57577_TGAC_v2_mRNA21044 86 Papi_Wisteriopsis_reticulata_1013725 9<u>7</u> -Papi_Wisteriopsis_reticulata_1013721 Papi_Hippocrepis_comosa_1003519 2<u>8</u> ·Papi_Glycyrrhiza_uralensis_1018531 ·Papi_Glycyrrhiza_uralensis_1018530 Papi_Glycyrrhiza_uralensis_1018532 30 ·Papi_Tp57577_TGAC_v2_mRNA31354 Papi_Tp57577_TGAC_v2_mRNA41771 Papi_Tp57577_TGAC_v2_mRNA31352 Papi_Psat4g089480.1 <u>36</u> 9<u>4</u> Papi_Medtr8g079120.1 ·*Papi_Ca_09236* ·Papi_Wisteriopsis_reticulata_1013722 -Papi_Wisteriopsis_reticulata_1013724 Papi_Wisteriopsis_reticulata_1013723 ·Papi_Genista_sagittalis_1033267 Papi_Genista_sagittalis_1033265 9<u>9</u> ·Papi_Genista_sagittalis_1033268 ·Papi_Genista_sagittalis_1033266 ·Papi_Erinacea_anthyllis_1116202 -Papi_Erinacea_anthyllis_1116201 Papi_Erinacea_anthyllis_1116203 Papi_Cytisus_filipes_1045292 6<u>7</u> -Papi_Lup006159.1 ·Papi_Lup018087.1 Papi_Bolusanthus_speciosus_1037089 ·Papi_Bolusanthus_speciosus_1037088 Papi_Marina_parryi_1040241 70 Cerc_Cheniella_corymbosa_1056620 Papi_Luetzelburgia_bahiensis_1034359 Papi_Aradu.JML4I.1 -Papi_Araip.VSD73.1 Papi_Araip.S58N9.1 Papi_Araip.BJD5M.1 Papi_Aradu.20JKI.1 9<u>5</u> 86 ·Papi_Aradu.U3GVZ.1 9<u>8</u> Papi_Castanospermum_australe_1062004 Cerc_Cheniella_corymbosa_1053039 77 ·Papi_Nissc12181S13402_NISSC 90 -Papi_Castanospermum_australe_1010453 Papi_Castanospermum_australe_1010451 ·Papi_Castanospermum_australe_1010455 Papi_Castanospermum_australe_1010454 Papi_Castanospermum_australe_1010452 Papi_Dipteryx_odorata_1022939 -Papi_Dipteryx_odorata_1022937 -Papi_Dipteryx_odorata_1022938 Papi_Myroxylon_toluiferum_1054651 68 Papi_Cladrastis_platycarpa_1006368 Papi_Cladrastis_platycarpa_1006369 -Papi_Trischidium_molle_1042101 Papi_Trischidium_molle_1041397 Caes_Parkia_timoriana_1005378 Caes_Parkia_timoriana_1005379 ·Caes_Mimpu10882S13601_MIMPU Caes_Mimpu10884S29153_MIMPU ·Caes_Parkia_timoriana_1033733 ·Caes_Parkia_timoriana_1033734 Caes_Parkia_timoriana_1025688 Caes_Parkia_timoriana_1025687 9<u>8</u> Caes_Senegalia_rugata_1013136 Caes_Mimpu6638S11831_MIMPU Caes_Moullava_spicata_1000940 Caes_Senegalia_rugata_1010052 Caes_Senegalia_rugata_1010055 Caes_Senegalia_rugata_1010056 Caes_Senegalia_rugata_1010054 9<u>8</u> Caes_Senegalia_rugata_1010053 9<u>7</u> Caes_Mimpu10884S29152_MIMPU Caes_Mimpu10882S13602_MIMPU 9<u>9</u> Caes_Parkia_timoriana_1017971 Caes_Ceratonia_siliqua_1014138 Caes_Gleditsia_japonica_1009056 99 Caes_Umtiza_listeriana_1040090 ·Dial_Dialium_schlechteri_1006213 ·Dial_Dialium_schlechteri_1006215 ·Dial_Dialium_schlechteri_1006214 ·Dial_Labichea_lanceolata_1037169 ·Dial_Labichea_lanceolata_1037168 -Papi_Psat0s2485g0280.1 Papi_Psat2g164360.1 Papi_Tp57577_TGAC_v2_mRNA41885 *−Papi_Tp57577_TGAC_v2_mRNA71* Papi_Medtr5g018365.1 ·Papi_Ca_02114 -Papi_Medtr5g018350.1 ·Papi_Tp57577_TGAC_v2_mRNA11737 8<u>7</u> ·Papi_Colutea_arborescens_1007306 Papi_Colutea_arborescens_1007307 Papi_Colutea_arborescens_1007305 -Papi_Tibetia_himalaica_1000942 9<u>9</u> -Papi_Tibetia_himalaica_1000941 Papi_Glycyrrhiza_uralensis_1000645 9<u>8</u> Papi_Glycyrrhiza_uralensis_1000644 ·Papi_Wisteriopsis_reticulata_1015871 Papi_Wisteriopsis_reticulata_1015870 9<u>9</u> ·Papi_Vang07g00480.1 -Papi_Phvul.002G022300.1 Papi_Glyma.11G059551.1 Papi_Spatholobus_suberectus_1040050 9<u>9</u> Papi_Apios.70764 Papi_Apios.70758 Papi_Apios.70762 99 Papi_Apios.70756 Papi_Canavalia_gladiata_1033797 ·Papi_Aganope_thyrsiflora_1038288 96 Papi_Austrosteenisia_blackii_1011421 Papi_Hypocalyptus_sophoroides_1001470 -Papi_Hypocalyptus_sophoroides_1001469 Papi_Hypocalyptus_sophoroides_1001468 5<u>6</u> Papi_Bolusanthus_speciosus_1003342 Papi_Bolusanthus_speciosus_1003341 ·Papi_Luetzelburgia_bahiensis_1005569 5<u>6</u> ·Papi_Araip.VUT3K.1 Papi_Aradu.DM13Q.1 9<u>6</u> -Papi_Nissc4184S08763_NISSC -Papi_Nissc4184S08764_NISSC -Papi_Castanospermum_australe_1065502 Papi_Castanospermum_australe_1005213 Papi_Myroxylon_toluiferum_1041967 ·Papi_Trischidium_molle_1004561 97 Papi_Trischidium_molle_1044471 Deta_Brachystegia_spiciformis_1025023 -Deta_Brachystegia_spiciformis_1025024 ·Deta_Colophospermum_mopane_1056480 Deta_Brachystegia_spiciformis_1025022 -Dial_Labichea_lanceolata_1037243 Dial_Labichea_lanceolata_1037242 ·Caes_Parkia_timoriana_1025700 Caes_Parkia_timoriana_1025699 Caes_Parkia_timoriana_1025698 Caes_Prosopis_028924326.1 Caes_Prosopis_028904629.1 ·Caes_Senegalia_rugata_1002842 Caes_Mimpu10945S13648_MIMPU 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Caes_Ceratonia_siliqua_1036009

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