All 219 sequences (253 aligned positions).

(((((((((((((LOC101763272\_OG-GT61-A3\_SETIT,(LOC101780825\_OG-GT61-A3\_SETIT,LOC4326083\_OG-GT61-A3\_ORYSA)0.2330)0.6640,LOC100828889\_OG-GT61-A3\_BRADI)1.0000,((Aco021837\_part2\_OG-GT61-A3\_ANACO,Aco021835\_part2\_OG-GT61-A3\_ANACO)0.8110,Aco021835\_part1\_OG-GT61-A3\_ANACO)0.9960)0.9620,(partial\_OG-GT61-A3\_PHODA,LOC105041137\_OG-GT61-A3\_ELAGV)0.8370)0.9180,(Ma06\_g11090\_OG-GT61-A3\_MUSAC,(((Ma09\_g00680\_OG-GT61-A3\_MUSAC,(Ma01\_g14160\_OG-GT61-A3\_MUSAC,Ma11\_g12050\_OG-GT61-A3\_MUSAC)0.8650)0.9960,Ma11\_g12040\_OG-GT61-A3\_MUSAC)0.9860,((Ma08\_g16530\_OG-GT61-A3\_MUSAC,((Ma09\_g00670\_OG-GT61-A3\_MUSAC,Ma01\_g14180\_OG-GT61-A3\_MUSAC)0.6620,Ma01\_g14170\_OG-GT61-A3\_MUSAC)0.4360)0.9660,Ma10\_g20090\_OG-GT61-A3\_MUSAC)0.9990)0.4770)0.9040)0.6780,((Aco012680\_OG-GT61-A7\_ANACO,((((LOC101780400\_OG-GT61-A7\_SETIT,LOC9267972\_OG-GT61-A7\_ORYSA)0.6090,LOC100833936\_OG-GT61-A7\_BRADI)0.9850,(LOC101760861\_OG-GT61-A7\_SETIT,(LOC4329203\_OG-GT61-A7\_ORYSA,(LOC100825423\_OG-GT61-A7\_BRADI,LOC100844505\_OG-GT61-A7\_BRADI)0.9700)0.4440)0.9730)0.9990,((LOC101782705\_OG-GT61-A7\_SETIT,LOC4326078\_OG-GT61-A7\_ORYSA)0.9910,Aco021833\_part2\_OG-GT61-A7\_ANACO)0.8410)0.1840)1.0000,LOC109846408\_OG-GT61-A3-A4\_ASPOF)0.1150)0.9140,((((Aco021838\_OG-GT61-A4\_ANACO,Aco021837\_part1\_OG-GT61-A4\_ANACO)1.0000,((Ma09\_g00660\_OG-GT61-A4\_MUSAC,Ma01\_g14190\_OG-GT61-A4\_MUSAC)1.0000,((Ma03\_g01160\_OG-GT61-A4\_MUSAC,Ma08\_g16780\_OG-GT61-A4\_MUSAC)0.3290,Ma03\_g21790\_OG-GT61-A4\_MUSAC)0.9660)0.9580)0.0550,(LOC103696231\_OG-GT61-A4\_PHODA,LOC105041138\_OG-GT61-A4\_ELAGV)1.0000)0.1990,(((LOC105041144\_OG-GT61-A4\_ELAGV,(LOC105041141\_OG-GT61-A4\_ELAGV,LOC105041139\_OG-GT61-A4\_ELAGV)1.0000)0.8470,((LOC105041145\_OG-GT61-A4\_ELAGV,LOC103696210\_OG-GT61-A4\_PHODA)0.8680,(LOC105041142\_OG-GT61-A4\_ELAGV,LOC105041140\_OG-GT61-A4\_ELAGV)0.9510)0.7640)1.0000,(((((((LOC101785420\_OG-GT61-A4\_SETIT,LOC101780003\_OG-GT61-A4\_SETIT)1.0000,((LOC100840829\_OG-GT61-A4\_BRADI,LOC4341034\_OG-GT61-A4\_ORYSA)0.8450,LOC101769202\_OG-GT61-A4\_SETIT)0.9880)0.9780,(LOC101766267\_OG-GT61-A4\_SETIT,LOC4329195\_OG-GT61-A4\_ORYSA)1.0000)0.7050,((Aco012676\_OG-GT61-A4\_ANACO,((Aco031505\_OG-GT61-A4\_ANACO,Aco012675\_OG-GT61-A4\_ANACO)0.8790,Aco012671\_OG-GT61-A4\_ANACO)1.0000)0.8870,(Aco012677\_modified\_OG-GT61-A4\_ANACO,Aco012673\_OG-GT61-A4\_ANACO)0.9180)0.9940)0.9990,(((((LOC101781902\_OG-GT61-A4\_SETIT,LOC4326082\_OG-GT61-A4\_ORYSA)0.0490,LOC100844253\_OG-GT61-A4\_BRADI)0.6520,((LOC101761786\_OG-GT61-A4\_SETIT,LOC101762600\_OG-GT61-A4\_SETIT)0.7450,LOC101762197\_OG-GT61-A4\_SETIT)0.4270)0.9980,((LOC101782301\_OG-GT61-A4\_SETIT,LOC100840722\_OG-GT61-A4\_BRADI)0.9530,LOC4326079\_OG-GT61-A4\_ORYSA)1.0000)0.0800,LOC4335139\_OG-GT61-A4\_ORYSA)0.0610)0.2680,(Aco021833\_part1\_OG-GT61-A4\_ANACO,Aco012679\_OG-GT61-A4\_ANACO)0.9890)0.9800,(LOC4342010\_OG-GT61-A4\_ORYSA,(LOC101760298\_OG-GT61-A4\_SETIT,LOC100826010\_OG-GT61-A4\_BRADI)0.7370)1.0000)0.9260)0.7530)0.9610)0.8040,((((LOC103697726\_OG-GT61-A5\_PHODA,LOC105041557\_OG-GT61-A5\_ELAGV)0.9950,(Ma02\_g09010\_OG-GT61-A5\_MUSAC,((Ma07\_g11830\_OG-GT61-A5\_MUSAC,(Ma09\_g00650\_OG-GT61-A5\_MUSAC,Ma01\_g14200\_OG-GT61-A5\_MUSAC)1.0000)0.9580,(Ma04\_g30880\_OG-GT61-A5\_MUSAC,Ma02\_g16310\_OG-GT61-A5\_MUSAC)1.0000)0.9630)0.4570)0.7870,((LOC101780012\_OG-GT61-A5\_SETIT,LOC100846082\_OG-GT61-A5\_BRADI)1.0000,Aco010901\_OG-GT61-A5\_ANACO)0.9130)0.9120,LOC109844158\_OG-GT61-A5\_ASPOF)0.9700)0.6810,(((Aco021831\_pseudo\_OG-GT61-A2\_ANACO,((((LOC4351859\_OG-GT61-A2\_ORYSA,LOC101783129\_OG-GT61-A2\_SETIT)0.4170,LOC101761394\_OG-GT61-A2\_SETIT)0.9860,((LOC101783535\_OG-GT61-A2\_SETIT,LOC4326077\_OG-GT61-A2\_ORYSA)0.3730,LOC100843951\_OG-GT61-A2\_BRADI)0.9060)1.0000,((((LOC101783666\_OG-GT61-A2\_SETIT,LOC100845100\_OG-GT61-A2\_BRADI)0.8360,LOC4329205\_OsXAT2\_OG-GT61-A2\_ORYSA)0.9950,(LOC4333275\_OsXAT3\_OG-GT61-A2\_ORYSA,(LOC101779994\_OG-GT61-A2\_SETIT,LOC100837177\_OG-GT61-A2\_BRADI)0.4440)0.9480)0.9920,Aco012681\_OG-GT61-A2\_ANACO)0.9420)0.8770)0.8420,((((Ma04\_g30890\_OG-GT61-A2\_MUSAC,Ma02\_g16300\_OG-GT61-A2\_MUSAC)0.8820,(Ma07\_g11840\_OG-GT61-A2\_MUSAC,Ma10\_g25290\_OG-GT61-A2\_MUSAC)0.9140)0.9460,(Ma02\_g24680\_OG-GT61-A2\_MUSAC,Ma10\_g20100\_OG-GT61-A2\_MUSAC)0.9980)0.8310,(((LOC103719019\_OG-GT61-A2\_PHODA,LOC105048468\_OG-GT61-A2\_ELAGV)0.9360,(LOC103696198\_OG-GT61-A2\_PHODA,LOC105041136\_OG-GT61-A2\_ELAGV)0.8880)0.9960,(LOC103696188\_OG-GT61-A2\_PHODA,LOC105041135\_OG-GT61-A2\_ELAGV)1.0000)0.8480)0.9350)0.9600,(LOC103705636\_OG-GT61-A\_PHODA,LOC105049280\_OG-GT61-A\_ELAGV)1.0000)0.8810)0.9020,(((LOC100832680\_OG-GT61-A6\_BRADI,(LOC4340861\_OG-GT61-A6\_ORYSA,(LOC101767467\_OG-GT61-A6\_SETIT,LOC101765418\_OG-GT61-A6\_SETIT)0.9720)0.3570)0.8930,LOC101764052\_OG-GT61-A6\_SETIT)1.0000,((((LOC109829083\_OG-GT61-A6\_ASPOF,Aco012670\_OG-GT61-A6\_ANACO)0.7380,(LOC103696248\_OG-GT61-A6\_PHODA,LOC105041147\_OG-GT61-A6\_ELAGV)0.9970)0.6660,(Ma07\_g11810\_OG-GT61-A6\_MUSAC,(Ma04\_g30870\_OG-GT61-A6\_MUSAC,Ma02\_g16320\_OG-GT61-A6\_MUSAC)0.9850)1.0000)0.9420,((Ma08\_g03850\_OG-GT61-A6\_MUSAC,Ma01\_g16460\_OG-GT61-A6\_MUSAC)0.8470,Aco023932\_OG-GT61-A6\_ANACO)0.8610)0.9010)1.0000)0.7680,(Cc04\_g06730\_OG-GT61-A\_COFCA,((LOC100261238\_OG-GT61-A\_VITVI,(LOC18604238\_OG-GT61-A\_THECC,Cc04\_g06720\_OG-GT61-A\_COFCA)0.9290)0.7520,((LOC18604233\_OG-GT61-A\_THECC,LOC18604231\_OG-GT61-A\_THECC)0.8390,(AT3G18180\_OG-GT61-A\_ARATH,AT3G18170\_OG-GT61-A\_ARATH)1.0000)0.9630)0.6400)0.9460)0.8890,((LOC18433845\_OG-GT61-A\_AMBTC,LOC18433847\_OG-GT61-A\_AMBTC)0.4660,((LOC109843948\_OG-GT61-A1\_ASPOF,LOC109844962\_OG-GT61-A1\_ASPOF)0.9370,(((Os02g0135500\_OG-GT61-A1\_ORYSA,LOC100835033\_OG-GT61-A1\_BRADI)0.7570,(LOC4342012\_OG-GT61-A1\_ORYSA,LOC100826633\_OG-GT61-A1\_BRADI)1.0000)0.9990,((((Ma01\_g14150\_OG-GT61-A1\_MUSAC,Ma11\_g12060\_OG-GT61-A1\_MUSAC)0.9960,(Ma02\_g24690\_OG-GT61-A1\_MUSAC,(Ma06\_g11080\_OG-GT61-A1\_MUSAC,Ma10\_g20110\_OG-GT61-A1\_MUSAC)0.9080)0.9480)0.9720,((LOC103719015\_OG-GT61-A1\_PHODA,LOC105048469\_OG-GT61-A1\_ELAGV)0.7570,(LOC103696170\_OG-GT61-A1\_PHODA,LOC105041134\_OG-GT61-A1\_ELAGV)0.9830)0.9950)0.9480,(Aco010900\_Modified\_OG-GT61-A1\_ANACO,((((Os10g0492200\_OG-GT61-A1\_ORYSA,(LOC101779596\_OG-GT61-A1\_SETIT,LOC100833330\_OG-GT61-A1\_BRADI)0.0000)1.0000,((LOC100838010\_OG-GT61-A1\_BRADI,Os02g0331200\_OG-GT61-A1\_ORYSA)0.5070,LOC101762945\_OG-GT61-A1\_SETIT)0.8610)0.9920,Aco012682\_modified\_OG-GT61-A1\_ANACO)0.9450,Aco021830\_OG-GT61-A1\_ANACO)0.6940)0.9330)0.9470)0.9830)0.7440)0.5960)0.9420,(((LOC18433656\_OG-GT61-G\_AMBTC,(Aco024725\_OG-GT61-G\_ANACO,((LOC103704408\_OG-GT61-G\_PHODA,(LOC105041546\_modified\_OG-GT61-G\_ELAGV,(LOC105041545\_OG-GT61-G\_ELAGV,LOC105036721\_OG-GT61-G\_ELAGV)0.8140)0.7390)0.9960,LOC109829135\_OG-GT61-G\_ASPOF)0.4470)0.9970)0.5870,((LOC18593455\_OG-GT61-G\_THECC,LOC104877597\_OG-GT61-G\_VITVI)0.9670,(Cc05\_g14110\_OG-GT61-G\_COFCA,Cc05\_g14100\_OG-GT61-G\_COFCA)1.0000)0.9260)0.9860,((LOC109840057\_OG-GT61-D4\_ASPOF,(((Aco002125\_OG-GT61-D4\_ANACO,((LOC100836135\_OG-GT61-D4\_BRADI,LOC101784684\_OG-GT61-D4\_SETIT)0.8920,LOC4338684\_OG-GT61-D4\_ORYSA)1.0000)0.9630,Ma11\_g18560\_OG-GT61-D4\_MUSAC)0.5070,(LOC103716439\_OG-GT61-D4\_PHODA,LOC105057566\_OG-GT61-D4\_ELAGV)0.9980)0.9220)0.9970,((LOC18426991\_OG-GT61-F\_AMBTC,((((LOC100241096\_OG-GT61-F\_VITVI,LOC18610312\_OG-GT61-F\_THECC)0.3920,LOC18610311\_OG-GT61-F\_THECC)0.8860,(AT2G03370\_OG-GT61-F\_ARATH,AT2G03360\_OG-GT61-F\_ARATH)1.0000)1.0000,LOC18426988\_modified\_OG-GT61-F\_AMBTC)0.8670)0.9970,(LOC18442774\_OG-GT61-D\_AMBTC,((((Cc00\_g29990\_GT61-D\_COFCA,(AT3G57380\_OG-GT61-D\_ARATH,AT2G41640\_OG-GT61-D\_ARATH)0.9890)0.0250,(AT3G10320\_OG-GT61-D\_ARATH,(LOC18598895\_OG-GT61-D\_THECC,LOC100245312\_OG-GT61-D\_VITVI)0.5860)0.2350)0.7450,Cc06\_g17740\_OG-GT61-D\_COFCA)0.9010,(((((LOC100826343\_OG-GT61-D2\_BRADI,LOC4324540\_OG-GT61-D2\_ORYSA)0.8000,LOC101754751\_OG-GT61-D2\_SETIT)1.0000,Aco007260\_OG-GT61-D2\_ANACO)0.2250,LOC109831329\_OG-GT61-D2-D3\_ASPOF)0.5670,(((LOC103716931\_OG-GT61-D3\_PHODA,LOC105049132\_OG-GT61-D3\_ELAGV)1.0000,Aco019877\_OG-GT61-D3\_ANACO)0.8810,((LOC103719214\_OG-GT61-D2\_PHODA,LOC105045572\_OG-GT61-D2\_ELAGV)0.9970,(((LOC101759818\_OG-GT61-D3\_SETIT,LOC100829143\_OG-GT61-D3\_BRADI)0.6360,LOC4344156\_OG-GT61-D3\_ORYSA)1.0000,((Ma05\_g18360\_OG-GT61-D1\_MUSAC,(Aco002317\_OG-GT61-D1\_ANACO,(LOC105049168\_OG-GT61-D1\_ELAGV,LOC109843905\_OG-GT61-D1\_ASPOF)0.9260)0.0760)0.8710,(LOC101758405\_OG-GT61-D1\_SETIT,(LOC101781379\_OG-GT61-D1\_SETIT,(LOC100826127\_OG-GT61-D1\_BRADI,LOC4325410\_OG-GT61-D1\_ORYSA)0.9600)0.7810)1.0000)1.0000)0.2140)0.0000)0.8460)0.9560)0.9360)0.2440)0.5940)1.0000)0.9420);

Groups G, D and F, 55 sequences (307 aligned positions).

(((((((((AT3G10320\_OG-GT61-D\_ARATH:0.21712700,(AT3G57380\_OG-GT61-D\_ARATH:0.12706100,AT2G41640\_OG-GT61-D\_ARATH:0.07619300)0.9970:0.10241600)0.4410:0.02696800,(LOC100245312\_OG-GT61-D\_VITVI:0.14157400,LOC18598895\_OG-GT61-D\_THECC:0.12228000)0.2530:0.02035000)0.6370:0.01764600,(Cc06\_g17740\_OG-GT61-D\_COFCA:0.16202300,Cc00\_g29990\_OG-GT61-D\_COFCA:0.23633500)0.7970:0.04509000)0.9450:0.04461000,LOC18442774\_OG-GT61-D\_AMBTC:0.27345900)0.7680:0.01528700,((((LOC103719214\_OG-GT61-D2\_PHODA:0.02288700,LOC105045572\_OG-GT61-D2\_ELAGV:0.03965000)0.9910:0.06354600,(((LOC100826343\_OG-GT61-D2\_BRADI:0.09079800,LOC4324540\_OG-GT61-D2\_ORYSA:0.03015700)0.1890:0.01390100,LOC101754751\_OG-GT61-D2\_SETIT:0.04142200)1.0000:0.13803100,Aco007260\_OG-GT61-D2\_ANACO:0.13452100)0.9390:0.05438900)0.4330:0.03590600,((LOC103716931\_OG-GT61-D3\_PHODA:0.05203300,LOC105049132\_OG-GT61-D3\_ELAGV:0.04743400)0.9980:0.10789500,(((LOC101759818\_OG-GT61-D3\_SETIT:0.02108300,LOC4324540\_OG-GT61-D2\_ORYSA:0.05391700)0.2190:0.02566800,LOC100829143\_OG-GT61-D3\_BRADI:0.09773600)1.0000:0.21435500,Aco019877\_OG-GT61-D3\_ANACO:0.06740700)0.9860:0.07805300)0.4590:0.02278200)0.8840:0.03119500,LOC109831329\*\_OG-GT61-D2-D3\_ASPOF:0.17185100)0.9450:0.05068800)0.8670:0.04633000,(LOC109840057\_OG-GT61-D4\_ASPOF:0.16688200,((((LOC4338684\_OG-GT61-D4\_ORYSA:0.01222600,(LOC101784684\_OG-GT61-D4\_SETIT:0.01409900,LOC100836135\_OG-GT61-D4\_BRADI:0.03580000)0.8890:0.02003700)1.0000:0.23931200,Aco002125\_OG-GT61-D4\_ANACO:0.29100900)0.8840:0.09539400,Ma11\_g18560\_OG-GT61-D4\_MUSAC:0.29108400)0.5330:0.05915600,(LOC103716439\_OG-GT61-D4\_PHODA:0.04519400,LOC105057566\_OG-GT61-D4\_ELAGV:0.03013200)0.9980:0.14144800)0.9110:0.06123800)1.0000:0.33039900)0.5990:0.02747500,(LOC109843905\_OG-GT61-D1\_ASPOF:0.27203500,(LOC105049168\_OG-GT61-D1\_ELAGV:0.19295400,((Aco002317\_OG-GT61-D1\_ANACO:0.21304000,(LOC101781379\_OG-GT61-D1\_SETIT:0.21259900,((LOC101758405\_OG-GT61-D1\_SETIT:0.12801900,LOC4325410\_OG-GT61-D1\_ORYSA:0.13668300)0.0660:0.04702900,LOC100826127\_OG-GT61-D1\_BRADI:0.26744900)0.3190:0.02649400)1.0000:0.45870800)0.9030:0.06932800,Ma05\_g18360\_OG-GT61-D1\_MUSAC:0.27413900)0.7590:0.02102500)0.8490:0.08826700)1.0000:0.22994200)0.8020:0.13926800,(((((LOC18610311\_OG-GT61-F\_THECC:0.24783700,LOC18610312\_OG-GT61-FTHECC:0.28176700)0.3790:0.03798200,LOC100241096\_OG-GT61-F\_VITVI:0.32704700)0.9430:0.08611800,(AT2G03370\_OG-GT61-F\_ARATH:0.09083500,AT2G03360\_OG-GT61-F\_ARATH:0.06540000)1.0000:0.31776900)0.9990:0.19056100,LOC18426988\_modified\_OG-GT61-F\_AMBTC:0.43611100)0.8160:0.05489500,LOC18426991\_OG-GT61-F\_AMBTC:0.40010700)0.9870:0.19308600)1.0000:0.19646417,((LOC18433656\_OG-GT61-G\_AMBTC:0.38503300,(LOC109829135\_OG-GT61-G\_ASPOF:0.25747800,((LOC103704408\_OG-GT61-G\_PHODA:0.05294800,(LOC105041546\_modified\_OG-GT61-G\_ELAGV:0.02870300,(LOC105041545\_OG-GT61-G\_ELAGV:0.00350100,LOC105036721\_OG-GT61-G\_ELAGV:0.00347400)0.9040:0.01421600)0.7560:0.01078300)1.0000:0.20025900,Aco024725\_OG-GT61-G\_ANACO:0.24383500)0.2200:0.07647400)0.9980:0.19284700)0.1120:0.06078700,((LOC18593455\_OG-GT61-G\_THECC:0.17300600,LOC104877597\_OG-GT61-G\_VITVI:0.32465400)0.9390:0.10974300,(Cc05\_g14110\_OG-GT61-G\_COFCA:0.00000100,Cc05\_g14100\_OG-GT61-G\_COFCA:0.00000100)1.0000:0.45132600)0.9730:0.14999600)1.0000:0.31941383);

Group A, 164 sequences (277 aligned positions).

(((LOC18433845\_OG-GT61-A\_AMBTC:0.38265600,LOC18433847\_OG-GT61-A\_AMBTC:0.31802900)0.4380:0.04688000,(((LOC100261238\_OG-GT61-A\_VITVI:0.18551000,(LOC18604238\_OG-GT61-A\_THECC:0.24947400,Cc04\_g06720\_OG-GT61-A\_COFCA:0.23980700)0.9770:0.10113100)0.7260:0.04073400,(Cc04\_g06730\_OG-GT61-A\_COFCA:0.34614500,((LOC18604233\_OG-GT61-A\_THECC:0.09642000,LOC18604231\_OG-GT61-A\_THECC:0.17279500)0.9200:0.05946400,(AT3G18180\_OG-GT61-A\_ARATH:0.10646600,AT3G18170\_OG-GT61-A\_ARATH:0.03907400)1.0000:0.28365900)0.9460:0.08166700)0.2000:0.03787400)0.9810:0.09582900,(((LOC101764052\_OG-GT61-A6\_SETIT:0.21100400,((LOC4340861\_OG-GT61-A6\_ORYSA:0.24616100,LOC100832680\_OG-GT61-A6\_BRADI:0.18540900)0.7930:0.06445800,(LOC101767467\_OG-GT61-A6\_SETIT:0.07058400,LOC101765418\_OG-GT61-A6\_SETIT:0.12465600)0.9730:0.09738800)0.2750:0.03799500)1.0000:0.34185200,((LOC109829083\_OG-GT61-A6\_ASPOF:0.21574100,(Aco023932\_OG-GT61-A6\_ANACO:0.14839600,Aco012670\_OG-GT61-A6\_ANACO:0.22884200)0.7700:0.05629500)0.1440:0.00852300,(((LOC103696248\_OG-GT61-A6\_PHODA:0.04493000,LOC105041147\_OG-GT61-A6\_ELAGV:0.03722500)0.9960:0.09382800,(Ma07\_g11810\_OG-GT61-A6\_MUSAC:0.12144600,(Ma04\_g30870\_OG-GT61-A6\_MUSAC:0.08584800,Ma02\_g16320\_OG-GT61-A6\_MUSAC:0.05804400)0.9760:0.06515300)1.0000:0.20020200)0.7510:0.03083000,(Ma08\_g03850\_OG-GT61-A6\_MUSAC:0.21154500,Ma01\_g16460\_OG-GT61-A6\_MUSAC:0.13641000)0.9120:0.05676500)0.9000:0.03117500)0.3990:0.04281900)0.9980:0.15332000,((((Aco021831\_pseudo\_OG-GT61-A2\_ANACO:0.26842600,((((LOC4351859\_OG-GT61-A2\_ORYSA:0.11762700,LOC101783129\_OG-GT61-A2\_SETIT:0.07723100)0.3250:0.01906800,LOC101761394\_OG-GT61-A2\_SETIT:0.02540800)0.9670:0.09615100,((LOC101783535\_OG-GT61-A2\_SETIT:0.09209100,LOC4326077\_OG-GT61-A2\_ORYSA:0.11812500)0.2910:0.02482900,LOC100843951\_OG-GT61-A2\_BRADI:0.12111400)0.8130:0.06313800)1.0000:0.40252300,((((LOC101783666\_OG-GT61-A2\_SETIT:0.05899800,LOC100845100\_OG-GT61-A2\_BRADI:0.05362500)0.8880:0.01807700,LOC4329205\_OsXAT2\_OG-GT61-A2\_ORYSA:0.04009700)0.9940:0.07423100,((LOC100837177\_OG-GT61-A2\_BRADI:0.05224300,LOC4333275\_OsXAT3\_OG-GT61-A2\_ORYSA:0.01835500)0.1250:0.00758800,LOC101779994\_OG-GT61-A2\_SETIT:0.03258400)0.9710:0.05019900)0.9950:0.09987500,Aco012681\_OG-GT61-A2\_ANACO:0.09067500)0.9650:0.07382800)0.8660:0.04562000)0.9070:0.07711100,((((Ma10\_g25290\_OG-GT61-A2\_MUSAC:0.18485500,Ma07\_g11840\_OG-GT61-A2\_MUSAC:0.10044600)0.8870:0.03651300,(Ma04\_g30890\_OG-GT61-A2\_MUSAC:0.06870700,Ma02\_g16300\_OG-GT61-A2\_MUSAC:0.15285300)0.8960:0.03106600)0.9700:0.05483000,(Ma02\_g24680\_OG-GT61-A2\_MUSAC:0.09607600,Ma10\_g20100\_OG-GT61-A2\_MUSAC:0.11803500)0.9990:0.11392300)0.9340:0.04895400,(((LOC103719019\_OG-GT61-A2\_PHODA:0.06696900,LOC105048468\_OG-GT61-A2\_ELAGV:0.02407900)0.9320:0.05766900,(LOC103696198\_OG-GT61-A2\_PHODA:0.04646200,LOC105041136\_OG-GT61-A2\_ELAGV:0.05379800)0.9020:0.03546400)0.9990:0.12261100,(LOC103696188\_OG-GT61-A2\_PHODA:0.06261500,LOC105041135\_OG-GT61-A2\_ELAGV:0.09700200)1.0000:0.17842900)0.8750:0.03884200)0.3840:0.04788400)0.9880:0.08232900,(LOC103705636\_OG-GT61-A?\_PHODA:0.07175900,LOC105049280\_OG-GT61-A?\_ELAGV:0.06408700)0.9990:0.21384000)0.8210:0.02589200,((((Aco010901\_OG-GT61-A5\_ANACO:0.13913300,(LOC101780012\_OG-GT61-A5\_SETIT:0.15870500,LOC100846082\_OG-GT61-A5\_BRADI:0.15043700)1.0000:0.29673300)0.9400:0.05971200,((((Ma07\_g11830\_OG-GT61-A5\_MUSAC:0.33448500,(Ma09\_g00650\_OG-GT61-A5\_MUSAC:0.08642800,Ma01\_g14200\_OG-GT61-A5\_MUSAC:0.07001500)0.9980:0.17350800)0.9630:0.09712200,(Ma04\_g30880\_OG-GT61-A5\_MUSAC:0.03834900,Ma02\_g16310\_OG-GT61-A5\_MUSAC:0.05061000)1.0000:0.22045900)0.9710:0.09731400,Ma02\_g09010\_OG-GT61-A5\_MUSAC:0.30618800)0.6870:0.03812500,(LOC103697726\_OG-GT61-A5\_PHODA:0.05287800,LOC105041557\_OG-GT61-A5\_ELAGV:0.03562300)0.9970:0.10265000)0.7670:0.02725800)0.9160:0.04279800,LOC109844158\_OG-GT61-A5\_ASPOF:0.28521300)0.9740:0.06605500,((((((((Ma09\_g00680\_OG-GT61-A3\_MUSAC:0.08309200,(Ma01\_g14160\_OG-GT61-A3\_MUSAC:0.07583200,Ma11\_g12050\_OG-GT61-A3\_MUSAC:0.11232700)0.8320:0.03348900)0.9970:0.15133800,Ma11\_g12040\_OG-GT61-A3\_MUSAC:0.22180300)0.9870:0.12459400,Ma06\_g11090\_OG-GT61-A3\_MUSAC:0.26730300)0.2840:0.04408000,((Ma08\_g16530\_OG-GT61-A3\_MUSAC:0.07370900,((Ma09\_g00670\_OG-GT61-A3\_MUSAC:0.05799200,Ma01\_g14180\_OG-GT61-A3\_MUSAC:0.04769900)0.2990:0.01630800,Ma01\_g14170\_OG-GT61-A3\_MUSAC:0.09930400)0.4930:0.02248800)0.9580:0.07194400,Ma10\_g20090\_OG-GT61-A3\_MUSAC:0.12188000)1.0000:0.20089600)0.8720:0.04675800,((((LOC4326083\_OG-GT61-A3\_ORYSA:0.05813400,(LOC101780825\_OG-GT61-A3\_SETIT:0.06511000,LOC101763272\_OG-GT61-A3\_SETIT:0.16305600)0.8260:0.03749600)0.6530:0.04527400,LOC100828889\_OG-GT61-A3\_BRADI:0.12083100)1.0000:0.27670400,((Aco021837\_part2\_OG-GT61-A3\_ANACO:0.08159800,Aco021835\_part2\_OG-GT61-A3\_ANACO:0.15439800)0.1000:0.02479800,Aco021835\_part1\_OG-GT61-A3\_ANACO:0.05031000)0.9990:0.15534600)0.9730:0.09263600,(partial\_OG-GT61-A3\_PHODA:0.07586500,LOC105041137\_OG-GT61-A3\_ELAGV:0.05882300)0.9570:0.07631800)0.8800:0.04043100)0.7310:0.01974100,LOC109846408\_OG-GT61-A3-A4\_ASPOF:0.32767800)0.6860:0.02105700,(((LOC101782705\_OG-GT61-A7\_SETIT:0.12584000,LOC4326078\_OG-GT61-A7\_ORYSA:0.17065300)0.9960:0.11863200,Aco021833\_part2\_OG-GT61-A7\_ANACO:0.25725000)0.1590:0.03036600,((((LOC101780400\_OG-GT61-A7\_SETIT:0.05323800,LOC9267972\_OG-GT61-A7\_ORYSA:0.04038800)0.5900:0.02506800,LOC100833936\_OG-GT61-A7\_BRADI:0.04903400)0.9810:0.07073600,(LOC101760861\_OG-GT61-A7\_SETIT:0.09428700,(LOC4329203\_OG-GT61-A7\_ORYSA:0.05780800,(LOC100825423\_OG-GT61-A7\_BRADI:0.04880100,LOC100844505\_OG-GT61-A7\_BRADI:0.04017600)0.9450:0.03415300)0.6910:0.02177900)0.9840:0.08042200)1.0000:0.15195900,Aco012680\_OG-GT61-A7\_ANACO:0.13359600)0.6550:0.05049400)1.0000:0.33662800)0.8000:0.02389800,((((LOC103696231\_OG-GT61-A4\_PHODA:0.03805300,LOC105041138\_OG-GT61-A4\_ELAGV:0.09395700)0.9990:0.15315500,(Aco021838\_OG-GT61-A4\_ANACO:0.00570800,Aco021837\_part1\_OG-GT61-A4\_ANACO:0.03390500)1.0000:0.24050500)0.0000:0.01834600,((Ma09\_g00660\_OG-GT61-A4\_MUSAC:0.07390300,Ma01\_g14190\_OG-GT61-A4\_MUSAC:0.14208900)1.0000:0.24462300,((Ma03\_g01160\_OG-GT61-\_MUSAC:0.14850400,Ma03\_g21790\_OG-GT61-A4\_MUSAC:0.10572700)0.4630:0.02912300,Ma08\_g16780\_OG-GT61-A4\_MUSAC:0.08323400)0.9910:0.09807400)0.9700:0.07154100)0.4290:0.01084100,(((LOC105041144\_OG-GT61-A4\_ELAGV:0.06397600,(LOC105041141\_OG-GT61-A4\_ELAGV:0.03416400,LOC105041139\_OG-GT61-A4\_ELAGV:0.05800200)1.0000:0.10306400)0.8250:0.01304200,((LOC105041145\_OG-GT61-A4\_ELAGV:0.07979700,LOC103696210\_OG-GT61-A4\_PHODA:0.06582200)0.9360:0.03210400,(LOC105041142\_OG-GT61-A4\_ELAGV:0.04118700,LOC105041140\_OG-GT61-A4\_ELAGV:0.05840400)0.7900:0.02838300)0.7870:0.01565100)1.0000:0.12590100,((LOC4342010\_OG-GT61-A4\_ORYSA:0.03430000,(LOC101760298\_OG-GT61-A4\_SETIT:0.12088400,LOC100826010\_OG-GT61-A4\_BRADI:0.10624900)0.6840:0.02900900)1.0000:0.46397400,((Aco021833\_part1\_OG-GT61-A4\_ANACO:0.09996100,Aco012679\_OG-GT61-A4\_ANACO:0.11760800)0.9850:0.08883700,(((LOC4335139\_OG-GT61-A4\_ORYSA:0.40497700,(((LOC101781902\_OG-GT61-A4\_SETIT:0.10677000,LOC4326082\_OG-GT61-A4\_ORYSA:0.13794600)0.2160:0.03374700,LOC100844253\_OG-GT61-A4\_BRADI:0.15647800)0.7890:0.04340800,((LOC101761786\_OG-GT61-A4\_SETIT:0.13927100,LOC101762600\_OG-GT61-A4\_SETIT:0.46203100)0.7870:0.05578100,LOC101762197\_OG-GT61-A4\_SETIT:0.23508300)0.4390:0.05493100)0.9970:0.16963000)0.0710:0.05202600,((LOC101782301\_OG-GT61-A4\_SETIT:0.04251300,LOC100840722\_OG-GT61-A4\_BRADI:0.23651900)0.8730:0.06796500,LOC4326079\_OG-GT61-A4\_ORYSA:0.09428500)1.0000:0.25512000)0.9660:0.09816700,(((Aco012676\_OG-GT61-A4\_ANACO:0.02158600,((Aco031505\_OG-GT61-A4\_ANACO:0.00000100,Aco012675\_OG-GT61-A4\_ANACO:0.00359700)0.9380:0.02999800,Aco012671\_OG-GT61-A4\_ANACO:0.04692600)1.0000:0.15047200)0.8780:0.02403900,(Aco012677\_modified\_OG-GT61-A4\_ANACO:0.04091600,Aco012673\_OG-GT61-A4\_ANACO:0.08075000)0.9720:0.04521800)0.9970:0.13074500,((LOC101766267\_OG-GT61-A4\_SETIT:0.10277200,LOC4329195\_OG-GT61-A4\_ORYSA:0.06085300)1.0000:0.26396500,(((LOC100840829\_OG-GT61-A4\_BRADI:0.13057400,LOC4341034\_OG-GT61-A4\_ORYSA:0.05464500)0.7480:0.02717100,LOC101769202\_OG-GT61-A4\_SETIT:0.06398500)0.9880:0.15748800,(LOC101785420\_OG-GT61-A4\_SETIT:0.12039000,LOC101780003\_OG-GT61-A4\_SETIT:0.07774400)1.0000:0.33953800)0.9950:0.16618400)0.2320:0.03130000)0.9910:0.15199600)0.8570:0.05336900)0.9730:0.09523000)0.9410:0.07766100)0.6900:0.01916100)0.9560:0.03618500)0.8780:0.06070300)0.3780:0.02003000)0.9430:0.06450500)0.8830:0.04147700)0.9290:0.07156200)0.5870:0.02966915,((LOC109843948\_OG-GT61-A1\_ASPOF:0.51915700,LOC109844962\_OG-GT61-A1\_ASPOF:0.36651100)0.9740:0.17796000,(((Os02g0135500\_OG-GT61-A1\_ORYSA:0.09255200,LOC100835033\_OG-GT61-A1\_BRADI:0.12259000)0.9450:0.04695500,(LOC4342012\_OG-GT61-A1\_ORYSA:0.04556300,LOC100826633\_OG-GT61-A1\_BRADI:0.07479900)1.0000:0.18611900)1.0000:0.14905300,((Aco010900\_modified\_OG-GT61-A1\_ANACO:0.09303200,(((((LOC100833330\_OG-GT61-A1\_BRADI:0.05363400,Os10g0492200\_OG-GT61-A1\_ORYSA:0.04673500)0.1820:0.01371000,LOC101779596\_OG-GT61-A1\_SETIT:0.05041600)1.0000:0.11251600,((LOC101762945\_OG-GT61-A1\_SETIT:0.04929900,Os02g0331200\_OG-GT61-A1\_ORYSA:0.03842600)0.4640:0.01705200,LOC100838010\_OG-GT61-A1\_BRADI:0.08473200)0.6760:0.02815200)0.9920:0.08268500,Aco012682\_modified\_OG-GT61-A1\_ANACO:0.11344300)0.9130:0.03703600,Aco021830\_OG-GT61-A1\_ANACO:0.19793900)0.8340:0.02704500)0.9340:0.05320100,(((LOC103719015\_OG-GT61-A1\_PHODA:0.05999000,LOC105048469\_OG-GT61-A1\_ELAGV:0.06003800)0.8060:0.02120500,(LOC103696170\_OG-GT61-A1\_PHODA:0.03672700,LOC105041134\_OG-GT61-A1\_ELAGV:0.04569700)0.9860:0.06174700)0.9850:0.07879100,((Ma01\_g14150\_OG-GT61-A1\_MUSAC:0.04959700,Ma11\_g12060\_OG-GT61-A1\_MUSAC:0.10268800)0.9970:0.09434200,((Ma06\_g11080\_OG-GT61-A1\_MUSAC:0.12458900,Ma10\_g20110\_OG-GT61-A1\_MUSAC:0.09547000)0.9280:0.03151300,Ma02\_g24690\_OG-GT61-A1\_MUSAC:0.04329800)0.9390:0.04190600)0.9960:0.08545000)0.9150:0.05475200)0.8430:0.07328500)0.9580:0.12238900)0.5870:0.05748685);

PAML tree, 103 sequences (311 aligned positions)

((((((((((((LOC103696231\_OG-GT61-A4\_PHODA:0.05170900,LOC105041138\_OG-GT61-A4\_ELAGV:0.10706000)0.9980:0.14537700,(Aco021838\_OG-GT61-A4\_ANACO:0.00661700,Aco021837\_part1\_OG-GT61-A4\_ANACO:0.04453800)1.0000:0.31155500)0.0270:0.02651300,(((LOC103696210\_OG-GT61-A4\_PHODA:0.07055700,LOC105041145\_OG-GT61-A4\_ELAGV:0.08879000)0.9380:0.03088300,(LOC105041144\_OG-GT61-A4\_ELAGV:0.07399200,(LOC105041142\_OG-GT61-A4\_ELAGV:0.05364900,LOC105041140\_OG-GT61-A4\_ELAGV:0.04888200)0.1360:0.01540400)0.2890:0.02755900)0.1580:0.01379000,(LOC105041141\_OG-GT61-A4\_ELAGV:0.03849700,LOC105041139\_OG-GT61-A4\_ELAGV:0.06576900)0.9990:0.09692300)1.0000:0.14164400)0.1260:0.02430700,(((Ma03\_g01160\_OG-GT61-A4\_MUSAC:0.15246500,Ma03\_g21790\_OG-GT61-A4\_MUSAC:0.12388600)0.7150:0.03071900,Ma08\_g16780\_OG-GT61-A4\_MUSAC:0.08815200)0.9940:0.10511100,(Ma09\_g00660\_OG-GT61-A4\_MUSAC:0.08767600,Ma01\_g14190\_OG-GT61-A4\_MUSAC:0.16380200)1.0000:0.26060500)0.9760:0.06963400)0.2080:0.00982700,(((((Aco031505\_OG-GT61-A4\_ANACO:0.00000100,Aco012675\_OG-GT61-A4\_ANACO:0.00343000)0.9550:0.03627300,Aco012671\_OG-GT61-A4\_ANACO:0.04819100)1.0000:0.14834900,Aco012676\_OG-GT61-A4\_ANACO:0.04254100)0.8480:0.02868400,(Aco012677\_modified\_OG-GT61-A4\_ANACO:0.04808600,Aco012673\_OG-GT61-A4\_ANACO:0.08586400)0.9040:0.04438300)1.0000:0.34426900,(Aco021833\_part1\_OG-GT61-A4\_ANACO:0.13425100,Aco012679\_OG-GT61-A4\_ANACO:0.12971100)0.9820:0.10017900)1.0000:0.18482600)0.9230:0.03548600,((((partial\_OG-GT61-A3\_PHODA:0.07837600,LOC105041137\_OG-GT61-A3\_ELAGV:0.05496100)0.8860:0.07890500,((Aco021837\_part2\_OG-GT61-A3\_ANACO:0.08304100,Aco021835\_part2\_OG-GT61-A3\_ANACO:0.17190100)0.1190:0.02571600,Aco021835\_part1\_OG-GT61-A3\_ANACO:0.06536000)1.0000:0.26433300)0.8030:0.05718700,(((((Ma11\_g12050\_OG-GT61-A3\_MUSAC:0.13810900,Ma01\_g14160\_OG-GT61-A3\_MUSAC:0.08968000)0.3090:0.02845500,Ma09\_g00680\_OG-GT61-A3\_MUSAC:0.11276800)0.9990:0.16303200,Ma11\_g12040\_OG-GT61-A3\_MUSAC:0.24980200)0.9830:0.12940400,Ma06\_g11090\_OG-GT61-A3\_MUSAC:0.31300600)0.6150:0.05516500,((((Ma09\_g00670\_OG-GT61-A3\_MUSAC:0.06291200,Ma01\_g14180\_OG-GT61-A3\_MUSAC:0.05487400)0.6850:0.02115500,Ma01\_g14170\_OG-GT61-A3\_MUSAC:0.10804600)0.7910:0.03421700,Ma08\_g16530\_OG-GT61-A3\_MUSAC:0.06924200)0.9470:0.07406100,Ma10\_g20090\_OG-GT61-A3\_MUSAC:0.14627400)1.0000:0.23645600)0.4730:0.05357600)0.2290:0.02793700,(Aco021833\_partl2\_OG-GT61-A3\_ANACO:0.27095500,Aco012680\_OG-GT61-A3\_ANACO:0.19482100)1.0000:0.37135500)0.9050:0.04213200)0.9530:0.06448300,((LOC105049280\_OG-GT61-A\_ELAGV:0.31895400,(((Aco021831\_pseudo\_OG-GT61-A2\_ANACO:0.30461300,Aco012681\_OG-GT61-A2\_ANACO:0.20951200)0.9850:0.10909500,(((Ma07\_g11840\_OG-GT61-A2\_MUSAC:0.11292300,Ma10\_g25290\_OG-GT61-A2\_MUSAC:0.18571600)0.9480:0.05180300,(Ma04\_g30890\_OG-GT61-A2\_MUSAC:0.07239000,Ma02\_g16300\_OG-GT61-A2\_MUSAC:0.17235400)0.9090:0.03285900)0.9710:0.06436300,(Ma02\_g24680\_OG-GT61-A2\_MUSAC:0.10368200,Ma10\_g20100\_OG-GT61-A2\_MUSAC:0.12687100)1.0000:0.12370600)0.8530:0.04384100)0.2980:0.04343300,(((LOC103719019\_OG-GT61-A2\_PHODA:0.08866400,LOC105048468\_OG-GT61-A2\_ELAGV:0.02439700)0.9530:0.05830200,(LOC103696198\_OG-GT61-A2\_PHODA:0.05446300,LOC105041136\_OG-GT61-A2\_ELAGV:0.05880700)0.9350:0.04384200)1.0000:0.15698400,(LOC103696188\_OG-GT61-A2\_PHODA:0.08175100,LOC105041135\_OG-GT61-A2\_ELAGV:0.10281700)1.0000:0.20046700)0.2820:0.02434700)0.9940:0.10044500)0.1190:0.02713300,((((((Ma09\_g00650\_OG-GT61-A5\_MUSAC:0.10692600,Ma01\_g14200\_OG-GT61-A5\_MUSAC:0.06314400)0.9980:0.17040300,Ma07\_g11830\_OG-GT61-A5\_MUSAC:0.34693700)0.9690:0.10197600,(Ma04\_g30880\_OG-GT61-A5\_MUSAC:0.04061900,Ma02\_g16310\_OG-GT61-A5\_MUSAC:0.06145100)1.0000:0.21657600)0.9610:0.09396400,Ma02\_g09010\_OG-GT61-A5\_MUSAC:0.33015500)0.2220:0.04235800,(LOC103697726\_OG-GT61-A5\_PHODA:0.05352500,LOC105041557\_OG-GT61-A5\_ELAGV:0.03680400)1.0000:0.13528000)0.5670:0.04928900,Aco010901\_OG-GT61-A5\_ANACO:0.21543600)0.9920:0.10806400)0.8150:0.01570200)0.8930:0.07107000,((((LOC103696248\_OG-GT61-A6\_PHODA:0.04105600,LOC105041147\_OG-GT61-A6\_ELAGV:0.03549200)1.0000:0.10801400,(Ma07\_g11810\_OG-GT61-A6\_MUSAC:0.14309700,(Ma04\_g30870\_OG-GT61-A6\_MUSAC:0.09355400,Ma02\_g16320\_OG-GT61-A6\_MUSAC:0.06495400)0.9780:0.06371900)1.0000:0.21355200)0.9670:0.05461900,(Ma08\_g03850\_OG-GT61-A6\_MUSAC:0.24677100,Ma01\_g16460\_OG-GT61-A6\_MUSAC:0.15647700)0.8950:0.04513600)0.2870:0.00795100,(Aco023932\_OG-GT61-A6\_ANACO:0.14737700,Aco012670\_OG-GT61-A6\_ANACO:0.29963500)0.9780:0.06811600)1.0000:0.25778100)0.8780:0.03045000,((Cc04\_g06720\_OG-GT61-A\_COFCA:0.36302500,(LOC100261238\_OG-GT61-A\_VITVI:0.22911800,((LOC18604233\_OG-GT61-A\_THECC:0.12003200,LOC18604231\_OG-GT61-A\_THECC:0.16321700)0.8380:0.06042700,(AT3G18180\_OG-GT61-A\_ARATH:0.10335500,AT3G18170\_OG-GT61-A\_ARATH:0.05607500)1.0000:0.30889100)0.9840:0.10906600)0.6410:0.03748200)0.7480:0.05086400,Cc04\_g06730\_OG-GT61-A\_COFCA:0.39028600)0.9710:0.09378100)0.9290:0.05643500,(LOC18433847\_OG-GT61-A\_AMBTC:0.38195600,LOC18433845\_OG-GT61-A\_AMBTC:0.46137900)0.5200:0.05219300)0.6200:0.03907600,((((LOC103719015\_OG-GT61-A1\_PHODA:0.06168400,LOC105048469\_OG-GT61-A1\_ELAGV:0.06286200)0.9330:0.03963900,(LOC103696170\_OG-GT61-A1\_PHODA:0.03133300,LOC105041134\_OG-GT61-A1\_ELAGV:0.04935400)0.9800:0.05234300)0.9930:0.08843100,((Aco021830\_OG-GT61-A1\_ANACO:0.22307200,Aco012682\_modified\_OG-GT61-A1\_ANACO:0.16269200)0.3340:0.04281000,Aco010900\_Modified\_OG-GT61-A1\_ANACO:0.11200700)0.9890:0.10928700)0.7220:0.04779700,(((Ma06\_g11080\_OG-GT61-A1\_MUSAC:0.13802800,Ma10\_g20110\_OG-GT61-A1\_MUSAC:0.11079400)0.9140:0.03456000,Ma02\_g24690\_OG-GT61-A1\_MUSAC:0.04747400)0.9150:0.04021500,(Ma01\_g14150\_OG-GT61-A1\_MUSAC:0.05554800,Ma11\_g12060\_OG-GT61-A1\_MUSAC:0.11001900)1.0000:0.11140100)0.9520:0.06693300)0.9990:0.26917700)1.0000:0.13263305,((LOC18433656\_OG-GT61-G\_AMBTC:0.34393300,((LOC103704408\_OG-GT61-G\_PHODA:0.06291600,(LOC105041545\_OG-GT61-G\_ELAGV:0.00517800,LOC105036721\_OG-GT61-G\_ELAGV:0.00523700)0.8360:0.02313800)1.0000:0.25270500,Aco024725\_OG-GT61-G\_ANACO:0.19728400)0.9990:0.29277700)0.4380:0.07071400,(LOC18593455\_OG-GT61-G\_THECC:0.26596700,(Cc05\_g14110\_OG-GT61-G\_COFCA:0.00000100,Cc05\_g14100\_OG-GT61-G\_COFCA:0.00000100)1.0000:0.44754300)0.9690:0.16910100)1.0000:0.18229595);