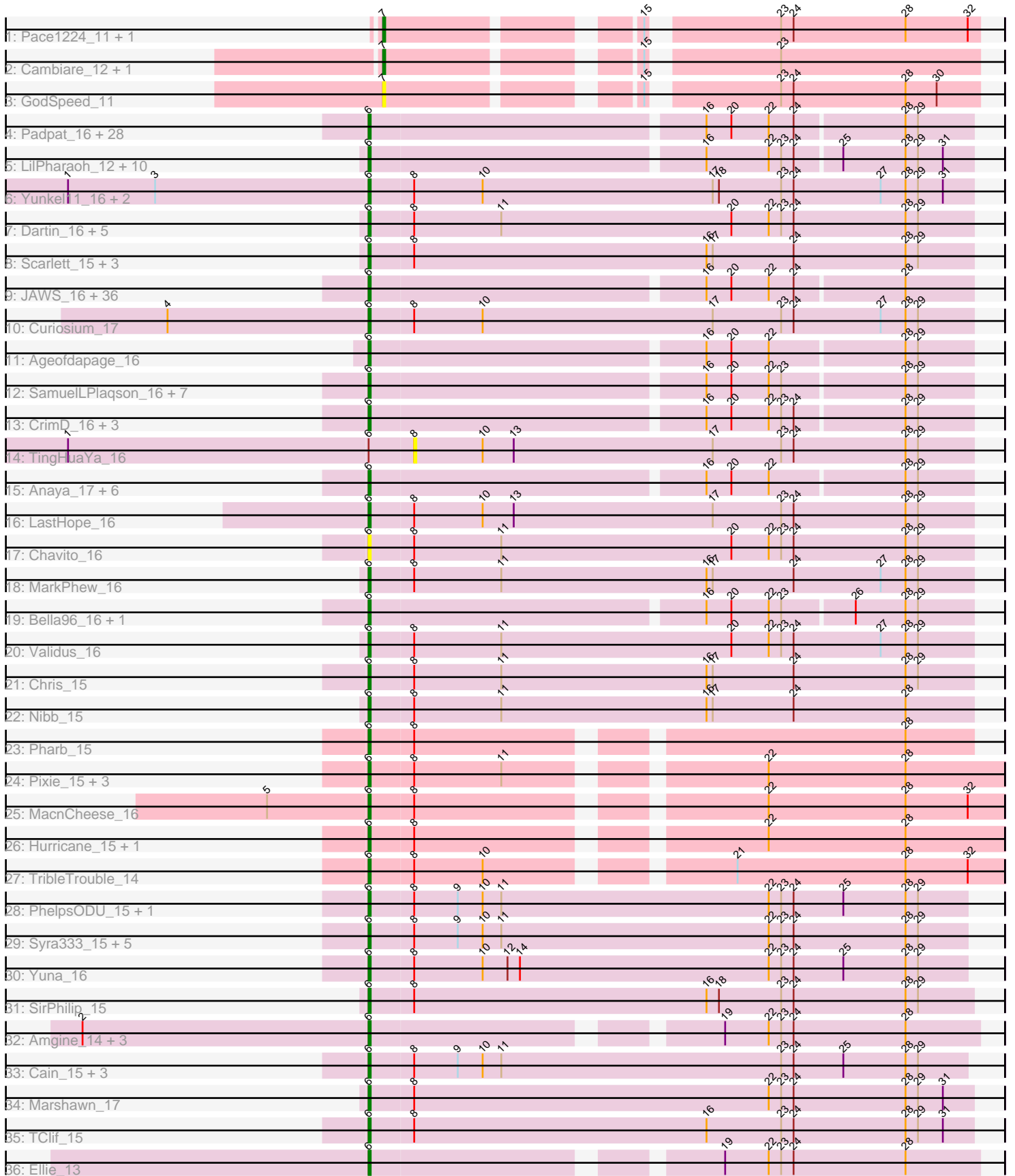


Pham 304765



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 304765 Report

This analysis was run 06/08/26 on database version 649.

Pham number 304765 has 155 members, 13 are drafts.

Phages represented in each track:

- Track 1 : Pace1224_11, FlagStaff_11
- Track 2 : Cambiare_12, Avocado_11
- Track 3 : GodSpeed_11
- Track 4 : Padpat_16, Clipper_16, CheetoDust_16, TaiwanKao_16, CallaLilly_16, Adephagia_16, Tachez_16, HedwigODU_16, YoureAdopted_15, Rapunzel97_16, AlishaPH_16, MeaningOfLife_16, Emerson_16, Beezoo_16, Ramen_16, Jayhawk_16, TruffulaTree_16, Geraldini_16, MacKat_16, Megsy_16, Apocalypse_16, Mynx_16, Zabiza_16, Atiba_16, ActinUp_16, BaghaKamala_16, Zavala_16, Slimphazie_16, Joy99_16
- Track 5 : LilPharaoh_12, Mdavu_12, Trice_12, Enkosi_12, Nutello_12, Amelie_12, Teejan_12, SgtBeansprout_12, Nikao_12, Torres_12, Binglebops_12
- Track 6 : Yunkel11_16, Guanica15_16, Efra2_16
- Track 7 : Dartin_16, Shaobing_16, Niklas_16, Richo_16, Peanam_16, McMater_16
- Track 8 : Scarlett_15, KiSi_15, LeMond_15, Oscar_15
- Track 9 : JAWS_16, Capricorn_16, Blizzard_16, Lunahalos_16, Adonis_16, Belladonna_16, BEEST_16, Angelica_16, Homura_16, Spock_16, Twitch_16, Deby_16, QuincyRose_15, Ganymede_16, ShiaSurprise_16, Durfee_16, Sulley_16, Llorens_16, CREW_16, Rosmarinus_16, BarrelRoll_16, CaseJules_16, Jarvi_16, Tiri_16, Asayake_16, Peel_16, BGlluviae_16, Padfoot_16, Piatt_16, Boiiii_16, Topper_16, Dalmuri_16, Hyperbowlee_16, Pokerus_15, Inky_16, Jeckyll_16, Veliki_16
- Track 10 : Curiosium_17
- Track 11 : Ageofdapage_16
- Track 12 : SamuelLPlaqson_16, Anma_16, Pisa1_15, Pisa4_15, TiniBug_16, DrHayes_16, Bern_16, Urkel_16
- Track 13 : CrimD_16, TreyKay_16, Prithvi_16, LindNT_16
- Track 14 : TingHuaYa_16
- Track 15 : Anaya_17, Murucutumbu_16, Devera_16, Illumine_16, Stinson_16, LaterM_16, Dole_16
- Track 16 : LastHope_16
- Track 17 : Chavito_16
- Track 18 : MarkPhew_16
- Track 19 : Bella96_16, DartGoblin_16
- Track 20 : Validus_16
- Track 21 : Chris_15
- Track 22 : Nibb_15
- Track 23 : Pharb_15

- Track 24 : Pixie_15, TBond007_15, Lea83_15, ShedlockHolmes_15
- Track 25 : MacnCheese_16
- Track 26 : Hurricane_15, Keshu_15
- Track 27 : TribbleTrouble_14
- Track 28 : PhelpsODU_15, Unicorn_15
- Track 29 : Syra333_15, Ximenita_16, Shadow1_14, Sunflower1121_14, Krueger_15, Tigress9_15
- Track 30 : Yuna_16
- Track 31 : SirPhilip_15
- Track 32 : Amgine_14, Applecrisp_14, Fefferhead_15, Lavahound_14
- Track 33 : Cain_15, Phrank_15, Bryler_15, Tierra_15
- Track 34 : Marshawn_17
- Track 35 : TClif_15
- Track 36 : Ellie_13

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 6, it was called in 139 of the 142 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ActinUp_16, Adephegia_16, Adonis_16, Ageofdapage_16, AlishaPH_16, Amelie_12, Amgine_14, Anaya_17, Angelica_16, Anma_16, Apocalypse_16, Applecrisp_14, Asayake_16, Atiba_16, BEEST_16, BGIlluviae_16, BaghaKamala_16, BarrelRoll_16, Beezoo_16, Bella96_16, Belladonna_16, Bern_16, Binglebops_12, Blizzard_16, Boiiii_16, Bryler_15, CREW_16, Cain_15, CallaLilly_16, Capricorn_16, CaseJules_16, Chavito_16, CheetoDust_16, Chris_15, Clipper_16, CrimD_16, Curiosium_17, Dalmuri_16, DartGoblin_16, Dartin_16, Deby_16, Devera_16, Dole_16, DrHayes_16, Durfee_16, Efra2_16, Ellie_13, Emerson_16, Enkosi_12, Fefferhead_15, Ganymede_16, Geraldini_16, Guanica15_16, HedwigODU_16, Homura_16, Hurricane_15, Hyperbowlee_16, Illumine_16, Inky_16, JAWS_16, Jarvi_16, Jayhawk_16, Jeckyll_16, Joy99_16, Keshu_15, KiSi_15, Krueger_15, LastHope_16, LaterM_16, Lavahound_14, LeMond_15, Lea83_15, LilPharaoh_12, LindNT_16, Llorens_16, Lunahalos_16, MacKat_16, MacnCheese_16, MarkPhew_16, Marshawn_17, McMater_16, Mdavu_12, MeaningOfLife_16, Megsy_16, Murucutumbu_16, Mynx_16, Nibb_15, Nikao_12, Niklas_16, Nutello_12, Oscar_15, Padfoot_16, Padpat_16, Peanam_16, Peel_16, Pharb_15, PhelpsODU_15, Phrank_15, Piatt_16, Pisa1_15, Pisa4_15, Pixie_15, Pokerus_15, Prithvi_16, QuincyRose_15, Ramen_16, Rapunzel97_16, Richo_16, Rosmarinus_16, SamuelLPlaqson_16, Scarlett_15, SgtBeansprout_12, Shadow1_14, Shaobing_16, ShedlockHolmes_15, ShiaSurprise_16, SirPhilip_15, Slimphazie_16, Spock_16, Stinson_16, Sulley_16, Sunflower1121_14, Syra333_15, TBond007_15, TClif_15, Tachez_16, TaiwanKao_16, Teejan_12, Tierra_15, Tigress9_15, TiniBug_16, Tiri_16, Topper_16, Torres_12, TreyKay_16, TribbleTrouble_14, Trice_12, TruffulaTree_16, Twitch_16, Unicorn_15, Urkel_16, Validus_16, Veliki_16, Ximenita_16, YoureAdopted_15, Yuna_16, Yunkel11_16, Zabiza_16, Zavala_16,

Genes that have the "Most Annotated" start but do not call it:

- TingHuaYa_16,

Genes that do not have the "Most Annotated" start:

- Avocado_11, Cambiare_12, FlagStaff_11, GodSpeed_11, Pace1224_11,

Summary by start number:

Start 6:

- Found in 150 of 155 (96.8%) of genes in pham
- Manual Annotations of this start: 139 of 142
- Called 99.3% of time when present
- Phage (with cluster) where this start called: ActinUp_16 (K1), Adephagia_16 (K1), Adonis_16 (K1), Ageofdapage_16 (K1), AlishaPH_16 (K1), Amelie_12 (K1), Amgine_14 (K6), Anaya_17 (K1), Angelica_16 (K1), Anma_16 (K1), Apocalypse_16 (K1), Applecrisp_14 (K6), Asayake_16 (K1), Atiba_16 (K1), BEEST_16 (K1), BGIlluviae_16 (K1), BaghaKamala_16 (K1), BarrelRoll_16 (K1), Beezoo_16 (K1), Bella96_16 (K1), Belladonna_16 (K1), Bern_16 (K1), Binglebops_12 (K1), Blizzard_16 (K1), Boiiii_16 (K1), Bryler_15 (K6), CREW_16 (K1), Cain_15 (K6), CallaLilly_16 (K1), Capricorn_16 (K1), CaseJules_16 (K1), Chavito_16 (K1), CheetoDust_16 (K1), Chris_15 (K1), Clipper_16 (K1), CrimD_16 (K1), Curiosium_17 (K1), Dalmuri_16 (K1), DartGoblin_16 (K1), Dartin_16 (K1), Deby_16 (K1), Devera_16 (K1), Dole_16 (K1), DrHayes_16 (K1), Durfee_16 (K1), Efra2_16 (K1), Ellie_13 (K6), Emerson_16 (K1), Enkosi_12 (K1), Fefferhead_15 (K6), Ganymede_16 (K1), Geraldini_16 (K1), Guanica15_16 (K1), HedwigODU_16 (K1), Homura_16 (K1), Hurricane_15 (K3), Hyperbowlee_16 (K1), Illumine_16 (K1), Inky_16 (K1), JAWS_16 (K1), Jarvi_16 (K1), Jayhawk_16 (K1), Jeckyll_16 (K1), Joy99_16 (K1), Keshu_15 (K3), KiSi_15 (K1), Krueger_15 (K6), LastHope_16 (K1), LaterM_16 (K1), Lavahound_14 (K6), LeMond_15 (K1), Lea83_15 (K3), LilPharaoh_12 (K1), LindNT_16 (K1), Llorens_16 (K1), Lunahalos_16 (K1), MacKat_16 (K1), MacnCheese_16 (K3), MarkPhew_16 (K1), Marshawn_17 (K6), McMater_16 (K1), Mdavu_12 (K1), MeaningOfLife_16 (K1), Megsy_16 (K1), Murucutumbu_16 (K1), Mynx_16 (K1), Nibb_15 (K1), Nikao_12 (K1), Niklas_16 (K1), Nutello_12 (K1), Oscar_15 (K1), Padfoot_16 (K1), Padpat_16 (K1), Peanam_16 (K1), Peel_16 (K1), Pharb_15 (K3), PhelpsODU_15 (K6), Phrank_15 (K6), Piatt_16 (K1), Pisa1_15 (K1), Pisa4_15 (K1), Pixie_15 (K3), Pokerus_15 (K1), Prithvi_16 (K1), QuincyRose_15 (K1), Ramen_16 (K1), Rapunzel97_16 (K1), Richo_16 (K1), Rosmarinus_16 (K1), SamuelLPlaqson_16 (K1), Scarlett_15 (K1), SgtBeansprout_12 (K1), Shadow1_14 (K6), Shaobing_16 (K1), ShedlockHolmes_15 (K3), ShiaSurprise_16 (K1), SirPhilip_15 (K6), Slimphazie_16 (K1), Spock_16 (K1), Stinson_16 (K1), Sulley_16 (K1), Sunflower1121_14 (K6), Syra333_15 (K6), TBond007_15 (K3), TClif_15 (K6), Tachez_16 (K1), TaiwanKao_16 (K1), Teejan_12 (K1), Tierra_15 (K6), Tigress9_15 (K6), TiniBug_16 (K1), Tiri_16 (K1), Topper_16 (K1), Torres_12 (K1), TreyKay_16 (K1), TripleTrouble_14 (K3), Trice_12 (K1), TruffulaTree_16 (K1), Twitch_16 (K1), Unicorn_15 (K6), Urkel_16 (K1), Validus_16 (K1), Veliki_16 (K1), Ximenita_16 (K6), YoureAdopted_15 (K1), Yuna_16 (K6), Yunkel11_16 (K1), Zabiza_16 (K1), Zavala_16 (K1),

Start 7:

- Found in 5 of 155 (3.2%) of genes in pham
- Manual Annotations of this start: 3 of 142
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avocado_11 (G2), Cambiare_12 (G2), FlagStaff_11 (G2), GodSpeed_11 (G2), Pace1224_11 (G2),

Start 8:

- Found in 46 of 155 (29.7%) of genes in pham

- No Manual Annotations of this start.
- Called 2.2% of time when present
- Phage (with cluster) where this start called: TingHuaYa_16 (K1),

Summary by clusters:

There are 4 clusters represented in this pham: K3, K1, K6, G2,

Info for manual annotations of cluster G2:

- Start number 7 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster K1:

- Start number 6 was manually annotated 109 times for cluster K1.

Info for manual annotations of cluster K3:

- Start number 6 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K6:

- Start number 6 was manually annotated 21 times for cluster K6.

Gene Information:

Gene: ActinUp_16 Start: 9701, Stop: 9982, Start Num: 6

Candidate Starts for ActinUp_16:

(Start: 6 @9701 has 139 MA's), (16, 9857), (20, 9869), (22, 9887), (24, 9899), (28, 9950), (29, 9956),

Gene: Adephagia_16 Start: 9701, Stop: 9982, Start Num: 6

Candidate Starts for Adephagia_16:

(Start: 6 @9701 has 139 MA's), (16, 9857), (20, 9869), (22, 9887), (24, 9899), (28, 9950), (29, 9956),

Gene: Adonis_16 Start: 9710, Stop: 9991, Start Num: 6

Candidate Starts for Adonis_16:

(Start: 6 @9710 has 139 MA's), (16, 9866), (20, 9878), (22, 9896), (24, 9908), (28, 9959),

Gene: Ageofdapage_16 Start: 9631, Stop: 9912, Start Num: 6

Candidate Starts for Ageofdapage_16:

(Start: 6 @9631 has 139 MA's), (16, 9787), (20, 9799), (22, 9817), (28, 9880), (29, 9886),

Gene: AlishaPH_16 Start: 9700, Stop: 9981, Start Num: 6

Candidate Starts for AlishaPH_16:

(Start: 6 @9700 has 139 MA's), (16, 9856), (20, 9868), (22, 9886), (24, 9898), (28, 9949), (29, 9955),

Gene: Amelie_12 Start: 8985, Stop: 9266, Start Num: 6

Candidate Starts for Amelie_12:

(Start: 6 @8985 has 139 MA's), (16, 9141), (22, 9171), (23, 9177), (24, 9183), (25, 9204), (28, 9234), (29, 9240), (31, 9252),

Gene: Amgine_14 Start: 9375, Stop: 9647, Start Num: 6

Candidate Starts for Amgine_14:

(2, 9237), (Start: 6 @9375 has 139 MA's), (19, 9525), (22, 9546), (23, 9552), (24, 9558), (28, 9612),

Gene: Anaya_17 Start: 9702, Stop: 9983, Start Num: 6

Candidate Starts for Anaya_17:

(Start: 6 @9702 has 139 MA's), (16, 9858), (20, 9870), (22, 9888), (28, 9951), (29, 9957),

Gene: Angelica_16 Start: 9672, Stop: 9953, Start Num: 6

Candidate Starts for Angelica_16:

(Start: 6 @9672 has 139 MA's), (16, 9828), (20, 9840), (22, 9858), (24, 9870), (28, 9921),

Gene: Anma_16 Start: 9643, Stop: 9924, Start Num: 6

Candidate Starts for Anma_16:

(Start: 6 @9643 has 139 MA's), (16, 9799), (20, 9811), (22, 9829), (23, 9835), (28, 9892), (29, 9898),

Gene: Apocalypse_16 Start: 9676, Stop: 9957, Start Num: 6

Candidate Starts for Apocalypse_16:

(Start: 6 @9676 has 139 MA's), (16, 9832), (20, 9844), (22, 9862), (24, 9874), (28, 9925), (29, 9931),

Gene: Applecrisp_14 Start: 9776, Stop: 10048, Start Num: 6

Candidate Starts for Applecrisp_14:

(2, 9638), (Start: 6 @9776 has 139 MA's), (19, 9926), (22, 9947), (23, 9953), (24, 9959), (28, 10013),

Gene: Asayake_16 Start: 9741, Stop: 10022, Start Num: 6

Candidate Starts for Asayake_16:

(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Atiba_16 Start: 9664, Stop: 9945, Start Num: 6

Candidate Starts for Atiba_16:

(Start: 6 @9664 has 139 MA's), (16, 9820), (20, 9832), (22, 9850), (24, 9862), (28, 9913), (29, 9919),

Gene: Avocado_11 Start: 9291, Stop: 9545, Start Num: 7

Candidate Starts for Avocado_11:

(Start: 7 @9291 has 3 MA's), (15, 9396), (23, 9450),

Gene: BEEST_16 Start: 9741, Stop: 10022, Start Num: 6

Candidate Starts for BEEST_16:

(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: BGlluviae_16 Start: 9741, Stop: 10022, Start Num: 6

Candidate Starts for BGlluviae_16:

(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: BaghaKamala_16 Start: 9667, Stop: 9948, Start Num: 6

Candidate Starts for BaghaKamala_16:

(Start: 6 @9667 has 139 MA's), (16, 9823), (20, 9835), (22, 9853), (24, 9865), (28, 9916), (29, 9922),

Gene: BarrelRoll_16 Start: 9693, Stop: 9974, Start Num: 6

Candidate Starts for BarrelRoll_16:

(Start: 6 @9693 has 139 MA's), (16, 9849), (20, 9861), (22, 9879), (24, 9891), (28, 9942),

Gene: Beezoo_16 Start: 9721, Stop: 10002, Start Num: 6

Candidate Starts for Beezoo_16:

(Start: 6 @9721 has 139 MA's), (16, 9877), (20, 9889), (22, 9907), (24, 9919), (28, 9970), (29, 9976),

Gene: Bella96_16 Start: 9622, Stop: 9903, Start Num: 6

Candidate Starts for Bella96_16:

(Start: 6 @9622 has 139 MA's), (16, 9778), (20, 9790), (22, 9808), (23, 9814), (26, 9847), (28, 9871), (29, 9877),

Gene: Belladonna_16 Start: 9741, Stop: 10022, Start Num: 6

Candidate Starts for Belladonna_16:

(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Bern_16 Start: 9653, Stop: 9934, Start Num: 6

Candidate Starts for Bern_16:

(Start: 6 @9653 has 139 MA's), (16, 9809), (20, 9821), (22, 9839), (23, 9845), (28, 9902), (29, 9908),

Gene: Biglebops_12 Start: 8985, Stop: 9266, Start Num: 6

Candidate Starts for Biglebops_12:

(Start: 6 @8985 has 139 MA's), (16, 9141), (22, 9171), (23, 9177), (24, 9183), (25, 9204), (28, 9234), (29, 9240), (31, 9252),

Gene: Blizzard_16 Start: 9741, Stop: 10022, Start Num: 6

Candidate Starts for Blizzard_16:

(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Boiiii_16 Start: 9743, Stop: 10024, Start Num: 6

Candidate Starts for Boiiii_16:

(Start: 6 @9743 has 139 MA's), (16, 9899), (20, 9911), (22, 9929), (24, 9941), (28, 9992),

Gene: Bryler_15 Start: 8649, Stop: 8936, Start Num: 6

Candidate Starts for Bryler_15:

(Start: 6 @8649 has 139 MA's), (8, 8670), (9, 8691), (10, 8703), (11, 8712), (23, 8847), (24, 8853), (25, 8877), (28, 8907), (29, 8913),

Gene: CREW_16 Start: 9741, Stop: 10022, Start Num: 6

Candidate Starts for CREW_16:

(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Cain_15 Start: 8637, Stop: 8924, Start Num: 6

Candidate Starts for Cain_15:

(Start: 6 @8637 has 139 MA's), (8, 8658), (9, 8679), (10, 8691), (11, 8700), (23, 8835), (24, 8841), (25, 8865), (28, 8895), (29, 8901),

Gene: CallaLilly_16 Start: 9668, Stop: 9949, Start Num: 6

Candidate Starts for CallaLilly_16:

(Start: 6 @9668 has 139 MA's), (16, 9824), (20, 9836), (22, 9854), (24, 9866), (28, 9917), (29, 9923),

Gene: Cambiare_12 Start: 9753, Stop: 10007, Start Num: 7

Candidate Starts for Cambiare_12:

(Start: 7 @9753 has 3 MA's), (15, 9858), (23, 9912),

Gene: Capricorn_16 Start: 9741, Stop: 10022, Start Num: 6

Candidate Starts for Capricorn_16:

(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: CaseJules_16 Start: 9741, Stop: 10022, Start Num: 6

Candidate Starts for CaseJules_16:

(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Chavito_16 Start: 8775, Stop: 9065, Start Num: 6

Candidate Starts for Chavito_16:

(Start: 6 @8775 has 139 MA's), (8, 8796), (11, 8838), (20, 8949), (22, 8967), (23, 8973), (24, 8979), (28, 9033), (29, 9039),

Gene: CheetoDust_16 Start: 9718, Stop: 9999, Start Num: 6

Candidate Starts for CheetoDust_16:

(Start: 6 @9718 has 139 MA's), (16, 9874), (20, 9886), (22, 9904), (24, 9916), (28, 9967), (29, 9973),

Gene: Chris_15 Start: 8632, Stop: 8922, Start Num: 6

Candidate Starts for Chris_15:

(Start: 6 @8632 has 139 MA's), (8, 8653), (11, 8695), (16, 8794), (17, 8797), (24, 8836), (28, 8890), (29, 8896),

Gene: Clipper_16 Start: 9718, Stop: 9999, Start Num: 6

Candidate Starts for Clipper_16:

(Start: 6 @9718 has 139 MA's), (16, 9874), (20, 9886), (22, 9904), (24, 9916), (28, 9967), (29, 9973),

Gene: CrimD_16 Start: 9670, Stop: 9951, Start Num: 6

Candidate Starts for CrimD_16:

(Start: 6 @9670 has 139 MA's), (16, 9826), (20, 9838), (22, 9856), (23, 9862), (24, 9868), (28, 9919), (29, 9925),

Gene: Curiosium_17 Start: 9143, Stop: 9433, Start Num: 6

Candidate Starts for Curiosium_17:

(4, 9047), (Start: 6 @9143 has 139 MA's), (8, 9164), (10, 9197), (17, 9308), (23, 9341), (24, 9347), (27, 9389), (28, 9401), (29, 9407),

Gene: Dalmuri_16 Start: 9741, Stop: 10022, Start Num: 6

Candidate Starts for Dalmuri_16:

(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: DartGoblin_16 Start: 9622, Stop: 9903, Start Num: 6

Candidate Starts for DartGoblin_16:

(Start: 6 @9622 has 139 MA's), (16, 9778), (20, 9790), (22, 9808), (23, 9814), (26, 9847), (28, 9871), (29, 9877),

Gene: Dartin_16 Start: 8769, Stop: 9059, Start Num: 6

Candidate Starts for Dartin_16:

(Start: 6 @8769 has 139 MA's), (8, 8790), (11, 8832), (20, 8943), (22, 8961), (23, 8967), (24, 8973), (28, 9027), (29, 9033),

Gene: Deby_16 Start: 9672, Stop: 9953, Start Num: 6

Candidate Starts for Deby_16:

(Start: 6 @9672 has 139 MA's), (16, 9828), (20, 9840), (22, 9858), (24, 9870), (28, 9921),

Gene: Devera_16 Start: 9689, Stop: 9970, Start Num: 6

Candidate Starts for Devera_16:

(Start: 6 @9689 has 139 MA's), (16, 9845), (20, 9857), (22, 9875), (28, 9938), (29, 9944),

Gene: Dole_16 Start: 9691, Stop: 9972, Start Num: 6

Candidate Starts for Dole_16:

(Start: 6 @9691 has 139 MA's), (16, 9847), (20, 9859), (22, 9877), (28, 9940), (29, 9946),

Gene: DrHayes_16 Start: 9643, Stop: 9924, Start Num: 6

Candidate Starts for DrHayes_16:

(Start: 6 @9643 has 139 MA's), (16, 9799), (20, 9811), (22, 9829), (23, 9835), (28, 9892), (29, 9898),

Gene: Durfee_16 Start: 9741, Stop: 10022, Start Num: 6

Candidate Starts for Durfee_16:

(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Efra2_16 Start: 8635, Stop: 8925, Start Num: 6

Candidate Starts for Efra2_16:

(1, 8491), (3, 8533), (Start: 6 @8635 has 139 MA's), (8, 8656), (10, 8689), (17, 8800), (18, 8803), (23, 8833), (24, 8839), (27, 8881), (28, 8893), (29, 8899), (31, 8911),

Gene: Ellie_13 Start: 9449, Stop: 9721, Start Num: 6

Candidate Starts for Ellie_13:

(Start: 6 @9449 has 139 MA's), (19, 9599), (22, 9620), (23, 9626), (24, 9632), (28, 9686),

Gene: Emerson_16 Start: 9701, Stop: 9982, Start Num: 6

Candidate Starts for Emerson_16:

(Start: 6 @9701 has 139 MA's), (16, 9857), (20, 9869), (22, 9887), (24, 9899), (28, 9950), (29, 9956),

Gene: Enkosi_12 Start: 8985, Stop: 9266, Start Num: 6

Candidate Starts for Enkosi_12:

(Start: 6 @8985 has 139 MA's), (16, 9141), (22, 9171), (23, 9177), (24, 9183), (25, 9204), (28, 9234), (29, 9240), (31, 9252),

Gene: Fefferhead_15 Start: 9616, Stop: 9888, Start Num: 6

Candidate Starts for Fefferhead_15:

(2, 9478), (Start: 6 @9616 has 139 MA's), (19, 9766), (22, 9787), (23, 9793), (24, 9799), (28, 9853),

Gene: FlagStaff_11 Start: 9223, Stop: 9477, Start Num: 7

Candidate Starts for FlagStaff_11:

(Start: 7 @9223 has 3 MA's), (15, 9328), (23, 9382), (24, 9388), (28, 9442), (32, 9472),

Gene: Ganymede_16 Start: 9718, Stop: 9999, Start Num: 6

Candidate Starts for Ganymede_16:

(Start: 6 @9718 has 139 MA's), (16, 9874), (20, 9886), (22, 9904), (24, 9916), (28, 9967),

Gene: Geraldini_16 Start: 9721, Stop: 10002, Start Num: 6

Candidate Starts for Geraldini_16:

(Start: 6 @9721 has 139 MA's), (16, 9877), (20, 9889), (22, 9907), (24, 9919), (28, 9970), (29, 9976),

Gene: GodSpeed_11 Start: 9232, Stop: 9486, Start Num: 7

Candidate Starts for GodSpeed_11:

(Start: 7 @9232 has 3 MA's), (15, 9337), (23, 9391), (24, 9397), (28, 9451), (30, 9466),

Gene: Guanica15_16 Start: 8651, Stop: 8941, Start Num: 6

Candidate Starts for Guanica15_16:

(1, 8507), (3, 8549), (Start: 6 @8651 has 139 MA's), (8, 8672), (10, 8705), (17, 8816), (18, 8819), (23, 8849), (24, 8855), (27, 8897), (28, 8909), (29, 8915), (31, 8927),

Gene: HedwigODU_16 Start: 9701, Stop: 9982, Start Num: 6
Candidate Starts for HedwigODU_16:
(Start: 6 @9701 has 139 MA's), (16, 9857), (20, 9869), (22, 9887), (24, 9899), (28, 9950), (29, 9956),

Gene: Homura_16 Start: 9741, Stop: 10022, Start Num: 6
Candidate Starts for Homura_16:
(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Hurricane_15 Start: 9717, Stop: 10001, Start Num: 6
Candidate Starts for Hurricane_15:
(Start: 6 @9717 has 139 MA's), (8, 9738), (22, 9888), (28, 9954),

Gene: Hyperbowlee_16 Start: 9741, Stop: 10022, Start Num: 6
Candidate Starts for Hyperbowlee_16:
(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Illumine_16 Start: 9691, Stop: 9972, Start Num: 6
Candidate Starts for Illumine_16:
(Start: 6 @9691 has 139 MA's), (16, 9847), (20, 9859), (22, 9877), (28, 9940), (29, 9946),

Gene: Inky_16 Start: 9741, Stop: 10022, Start Num: 6
Candidate Starts for Inky_16:
(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: JAWS_16 Start: 9695, Stop: 9976, Start Num: 6
Candidate Starts for JAWS_16:
(Start: 6 @9695 has 139 MA's), (16, 9851), (20, 9863), (22, 9881), (24, 9893), (28, 9944),

Gene: Jarvi_16 Start: 9741, Stop: 10022, Start Num: 6
Candidate Starts for Jarvi_16:
(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Jayhawk_16 Start: 9702, Stop: 9983, Start Num: 6
Candidate Starts for Jayhawk_16:
(Start: 6 @9702 has 139 MA's), (16, 9858), (20, 9870), (22, 9888), (24, 9900), (28, 9951), (29, 9957),

Gene: Jeckyll_16 Start: 9741, Stop: 10022, Start Num: 6
Candidate Starts for Jeckyll_16:
(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Joy99_16 Start: 9667, Stop: 9948, Start Num: 6
Candidate Starts for Joy99_16:
(Start: 6 @9667 has 139 MA's), (16, 9823), (20, 9835), (22, 9853), (24, 9865), (28, 9916), (29, 9922),

Gene: Keshu_15 Start: 9704, Stop: 9988, Start Num: 6
Candidate Starts for Keshu_15:
(Start: 6 @9704 has 139 MA's), (8, 9725), (22, 9875), (28, 9941),

Gene: KiSi_15 Start: 8570, Stop: 8860, Start Num: 6
Candidate Starts for KiSi_15:
(Start: 6 @8570 has 139 MA's), (8, 8591), (16, 8732), (17, 8735), (24, 8774), (28, 8828), (29, 8834),

Gene: Krueger_15 Start: 8627, Stop: 8914, Start Num: 6
Candidate Starts for Krueger_15:
(Start: 6 @8627 has 139 MA's), (8, 8648), (9, 8669), (10, 8681), (11, 8690), (22, 8819), (23, 8825), (24, 8831), (28, 8885), (29, 8891),

Gene: LastHope_16 Start: 8723, Stop: 9013, Start Num: 6
Candidate Starts for LastHope_16:
(Start: 6 @8723 has 139 MA's), (8, 8744), (10, 8777), (13, 8792), (17, 8888), (23, 8921), (24, 8927), (28, 8981), (29, 8987),

Gene: LaterM_16 Start: 9659, Stop: 9940, Start Num: 6
Candidate Starts for LaterM_16:
(Start: 6 @9659 has 139 MA's), (16, 9815), (20, 9827), (22, 9845), (28, 9908), (29, 9914),

Gene: Lavahound_14 Start: 9375, Stop: 9647, Start Num: 6
Candidate Starts for Lavahound_14:
(2, 9237), (Start: 6 @9375 has 139 MA's), (19, 9525), (22, 9546), (23, 9552), (24, 9558), (28, 9612),

Gene: LeMond_15 Start: 8642, Stop: 8932, Start Num: 6
Candidate Starts for LeMond_15:
(Start: 6 @8642 has 139 MA's), (8, 8663), (16, 8804), (17, 8807), (24, 8846), (28, 8900), (29, 8906),

Gene: Lea83_15 Start: 9704, Stop: 9988, Start Num: 6
Candidate Starts for Lea83_15:
(Start: 6 @9704 has 139 MA's), (8, 9725), (11, 9767), (22, 9875), (28, 9941),

Gene: LilPharaoh_12 Start: 8985, Stop: 9266, Start Num: 6
Candidate Starts for LilPharaoh_12:
(Start: 6 @8985 has 139 MA's), (16, 9141), (22, 9171), (23, 9177), (24, 9183), (25, 9204), (28, 9234), (29, 9240), (31, 9252),

Gene: LindNT_16 Start: 9665, Stop: 9946, Start Num: 6
Candidate Starts for LindNT_16:
(Start: 6 @9665 has 139 MA's), (16, 9821), (20, 9833), (22, 9851), (23, 9857), (24, 9863), (28, 9914), (29, 9920),

Gene: Llorens_16 Start: 9741, Stop: 10022, Start Num: 6
Candidate Starts for Llorens_16:
(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Lunahalos_16 Start: 9741, Stop: 10022, Start Num: 6
Candidate Starts for Lunahalos_16:
(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: MacKat_16 Start: 9718, Stop: 9999, Start Num: 6
Candidate Starts for MacKat_16:
(Start: 6 @9718 has 139 MA's), (16, 9874), (20, 9886), (22, 9904), (24, 9916), (28, 9967), (29, 9973),

Gene: MacnCheese_16 Start: 9932, Stop: 10216, Start Num: 6
Candidate Starts for MacnCheese_16:
(5, 9884), (Start: 6 @9932 has 139 MA's), (8, 9953), (22, 10103), (28, 10169), (32, 10199),

Gene: MarkPhew_16 Start: 8538, Stop: 8828, Start Num: 6

Candidate Starts for MarkPhew_16:

(Start: 6 @8538 has 139 MA's), (8, 8559), (11, 8601), (16, 8700), (17, 8703), (24, 8742), (27, 8784), (28, 8796), (29, 8802),

Gene: Marshawn_17 Start: 9232, Stop: 9522, Start Num: 6

Candidate Starts for Marshawn_17:

(Start: 6 @9232 has 139 MA's), (8, 9253), (22, 9424), (23, 9430), (24, 9436), (28, 9490), (29, 9496), (31, 9508),

Gene: McMater_16 Start: 8769, Stop: 9059, Start Num: 6

Candidate Starts for McMater_16:

(Start: 6 @8769 has 139 MA's), (8, 8790), (11, 8832), (20, 8943), (22, 8961), (23, 8967), (24, 8973), (28, 9027), (29, 9033),

Gene: Mdavu_12 Start: 8973, Stop: 9254, Start Num: 6

Candidate Starts for Mdavu_12:

(Start: 6 @8973 has 139 MA's), (16, 9129), (22, 9159), (23, 9165), (24, 9171), (25, 9192), (28, 9222), (29, 9228), (31, 9240),

Gene: MeaningOfLife_16 Start: 9674, Stop: 9955, Start Num: 6

Candidate Starts for MeaningOfLife_16:

(Start: 6 @9674 has 139 MA's), (16, 9830), (20, 9842), (22, 9860), (24, 9872), (28, 9923), (29, 9929),

Gene: Megsy_16 Start: 9668, Stop: 9949, Start Num: 6

Candidate Starts for Megsy_16:

(Start: 6 @9668 has 139 MA's), (16, 9824), (20, 9836), (22, 9854), (24, 9866), (28, 9917), (29, 9923),

Gene: Murucutumbu_16 Start: 9652, Stop: 9933, Start Num: 6

Candidate Starts for Murucutumbu_16:

(Start: 6 @9652 has 139 MA's), (16, 9808), (20, 9820), (22, 9838), (28, 9901), (29, 9907),

Gene: Mynx_16 Start: 9721, Stop: 10002, Start Num: 6

Candidate Starts for Mynx_16:

(Start: 6 @9721 has 139 MA's), (16, 9877), (20, 9889), (22, 9907), (24, 9919), (28, 9970), (29, 9976),

Gene: Nibb_15 Start: 8679, Stop: 8969, Start Num: 6

Candidate Starts for Nibb_15:

(Start: 6 @8679 has 139 MA's), (8, 8700), (11, 8742), (16, 8841), (17, 8844), (24, 8883), (28, 8937),

Gene: Nikao_12 Start: 8985, Stop: 9266, Start Num: 6

Candidate Starts for Nikao_12:

(Start: 6 @8985 has 139 MA's), (16, 9141), (22, 9171), (23, 9177), (24, 9183), (25, 9204), (28, 9234), (29, 9240), (31, 9252),

Gene: Niklas_16 Start: 8769, Stop: 9059, Start Num: 6

Candidate Starts for Niklas_16:

(Start: 6 @8769 has 139 MA's), (8, 8790), (11, 8832), (20, 8943), (22, 8961), (23, 8967), (24, 8973), (28, 9027), (29, 9033),

Gene: Nutello_12 Start: 8985, Stop: 9266, Start Num: 6

Candidate Starts for Nutello_12:

(Start: 6 @8985 has 139 MA's), (16, 9141), (22, 9171), (23, 9177), (24, 9183), (25, 9204), (28, 9234), (29, 9240), (31, 9252),

Gene: Oscar_15 Start: 8643, Stop: 8933, Start Num: 6
Candidate Starts for Oscar_15:
(Start: 6 @8643 has 139 MA's), (8, 8664), (16, 8805), (17, 8808), (24, 8847), (28, 8901), (29, 8907),

Gene: Pace1224_11 Start: 9223, Stop: 9477, Start Num: 7
Candidate Starts for Pace1224_11:
(Start: 7 @9223 has 3 MA's), (15, 9328), (23, 9382), (24, 9388), (28, 9442), (32, 9472),

Gene: Padfoot_16 Start: 9741, Stop: 10022, Start Num: 6
Candidate Starts for Padfoot_16:
(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Padpat_16 Start: 9701, Stop: 9982, Start Num: 6
Candidate Starts for Padpat_16:
(Start: 6 @9701 has 139 MA's), (16, 9857), (20, 9869), (22, 9887), (24, 9899), (28, 9950), (29, 9956),

Gene: Peanam_16 Start: 8769, Stop: 9059, Start Num: 6
Candidate Starts for Peanam_16:
(Start: 6 @8769 has 139 MA's), (8, 8790), (11, 8832), (20, 8943), (22, 8961), (23, 8967), (24, 8973),
(28, 9027), (29, 9033),

Gene: Peel_16 Start: 9741, Stop: 10022, Start Num: 6
Candidate Starts for Peel_16:
(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Pharb_15 Start: 9552, Stop: 9821, Start Num: 6
Candidate Starts for Pharb_15:
(Start: 6 @9552 has 139 MA's), (8, 9573), (28, 9789),

Gene: PhelpsODU_15 Start: 8681, Stop: 8968, Start Num: 6
Candidate Starts for PhelpsODU_15:
(Start: 6 @8681 has 139 MA's), (8, 8702), (9, 8723), (10, 8735), (11, 8744), (22, 8873), (23, 8879), (24,
8885), (25, 8909), (28, 8939), (29, 8945),

Gene: Phrank_15 Start: 8625, Stop: 8912, Start Num: 6
Candidate Starts for Phrank_15:
(Start: 6 @8625 has 139 MA's), (8, 8646), (9, 8667), (10, 8679), (11, 8688), (23, 8823), (24, 8829), (25,
8853), (28, 8883), (29, 8889),

Gene: Piatt_16 Start: 9741, Stop: 10022, Start Num: 6
Candidate Starts for Piatt_16:
(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Pisa1_15 Start: 9449, Stop: 9730, Start Num: 6
Candidate Starts for Pisa1_15:
(Start: 6 @9449 has 139 MA's), (16, 9605), (20, 9617), (22, 9635), (23, 9641), (28, 9698), (29, 9704),

Gene: Pisa4_15 Start: 9449, Stop: 9730, Start Num: 6
Candidate Starts for Pisa4_15:
(Start: 6 @9449 has 139 MA's), (16, 9605), (20, 9617), (22, 9635), (23, 9641), (28, 9698), (29, 9704),

Gene: Pixie_15 Start: 9456, Stop: 9740, Start Num: 6

Candidate Starts for Pixie_15:

(Start: 6 @9456 has 139 MA's), (8, 9477), (11, 9519), (22, 9627), (28, 9693),

Gene: Pokerus_15 Start: 9655, Stop: 9936, Start Num: 6

Candidate Starts for Pokerus_15:

(Start: 6 @9655 has 139 MA's), (16, 9811), (20, 9823), (22, 9841), (24, 9853), (28, 9904),

Gene: Prithvi_16 Start: 9665, Stop: 9946, Start Num: 6

Candidate Starts for Prithvi_16:

(Start: 6 @9665 has 139 MA's), (16, 9821), (20, 9833), (22, 9851), (23, 9857), (24, 9863), (28, 9914), (29, 9920),

Gene: QuincyRose_15 Start: 9718, Stop: 9999, Start Num: 6

Candidate Starts for QuincyRose_15:

(Start: 6 @9718 has 139 MA's), (16, 9874), (20, 9886), (22, 9904), (24, 9916), (28, 9967),

Gene: Ramen_16 Start: 9701, Stop: 9982, Start Num: 6

Candidate Starts for Ramen_16:

(Start: 6 @9701 has 139 MA's), (16, 9857), (20, 9869), (22, 9887), (24, 9899), (28, 9950), (29, 9956),

Gene: Rapunzel97_16 Start: 9702, Stop: 9983, Start Num: 6

Candidate Starts for Rapunzel97_16:

(Start: 6 @9702 has 139 MA's), (16, 9858), (20, 9870), (22, 9888), (24, 9900), (28, 9951), (29, 9957),

Gene: Richo_16 Start: 8769, Stop: 9059, Start Num: 6

Candidate Starts for Richo_16:

(Start: 6 @8769 has 139 MA's), (8, 8790), (11, 8832), (20, 8943), (22, 8961), (23, 8967), (24, 8973), (28, 9027), (29, 9033),

Gene: Rosmarinus_16 Start: 9729, Stop: 10010, Start Num: 6

Candidate Starts for Rosmarinus_16:

(Start: 6 @9729 has 139 MA's), (16, 9885), (20, 9897), (22, 9915), (24, 9927), (28, 9978),

Gene: SamuelLPlaqson_16 Start: 9643, Stop: 9924, Start Num: 6

Candidate Starts for SamuelLPlaqson_16:

(Start: 6 @9643 has 139 MA's), (16, 9799), (20, 9811), (22, 9829), (23, 9835), (28, 9892), (29, 9898),

Gene: Scarlett_15 Start: 8642, Stop: 8932, Start Num: 6

Candidate Starts for Scarlett_15:

(Start: 6 @8642 has 139 MA's), (8, 8663), (16, 8804), (17, 8807), (24, 8846), (28, 8900), (29, 8906),

Gene: SgtBeansprout_12 Start: 8985, Stop: 9266, Start Num: 6

Candidate Starts for SgtBeansprout_12:

(Start: 6 @8985 has 139 MA's), (16, 9141), (22, 9171), (23, 9177), (24, 9183), (25, 9204), (28, 9234), (29, 9240), (31, 9252),

Gene: Shadow1_14 Start: 8536, Stop: 8823, Start Num: 6

Candidate Starts for Shadow1_14:

(Start: 6 @8536 has 139 MA's), (8, 8557), (9, 8578), (10, 8590), (11, 8599), (22, 8728), (23, 8734), (24, 8740), (28, 8794), (29, 8800),

Gene: Shaobing_16 Start: 8769, Stop: 9059, Start Num: 6

Candidate Starts for Shaobing_16:

(Start: 6 @8769 has 139 MA's), (8, 8790), (11, 8832), (20, 8943), (22, 8961), (23, 8967), (24, 8973), (28, 9027), (29, 9033),

Gene: ShedlockHolmes_15 Start: 9704, Stop: 9988, Start Num: 6

Candidate Starts for ShedlockHolmes_15:

(Start: 6 @9704 has 139 MA's), (8, 9725), (11, 9767), (22, 9875), (28, 9941),

Gene: ShiaSurprise_16 Start: 9741, Stop: 10022, Start Num: 6

Candidate Starts for ShiaSurprise_16:

(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: SirPhilip_15 Start: 8399, Stop: 8689, Start Num: 6

Candidate Starts for SirPhilip_15:

(Start: 6 @8399 has 139 MA's), (8, 8420), (16, 8561), (18, 8567), (23, 8597), (24, 8603), (28, 8657), (29, 8663),

Gene: Slimphazie_16 Start: 9702, Stop: 9983, Start Num: 6

Candidate Starts for Slimphazie_16:

(Start: 6 @9702 has 139 MA's), (16, 9858), (20, 9870), (22, 9888), (24, 9900), (28, 9951), (29, 9957),

Gene: Spock_16 Start: 9741, Stop: 10022, Start Num: 6

Candidate Starts for Spock_16:

(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Stinson_16 Start: 9664, Stop: 9945, Start Num: 6

Candidate Starts for Stinson_16:

(Start: 6 @9664 has 139 MA's), (16, 9820), (20, 9832), (22, 9850), (28, 9913), (29, 9919),

Gene: Sulley_16 Start: 9671, Stop: 9952, Start Num: 6

Candidate Starts for Sulley_16:

(Start: 6 @9671 has 139 MA's), (16, 9827), (20, 9839), (22, 9857), (24, 9869), (28, 9920),

Gene: Sunflower1121_14 Start: 8547, Stop: 8834, Start Num: 6

Candidate Starts for Sunflower1121_14:

(Start: 6 @8547 has 139 MA's), (8, 8568), (9, 8589), (10, 8601), (11, 8610), (22, 8739), (23, 8745), (24, 8751), (28, 8805), (29, 8811),

Gene: Syra333_15 Start: 8643, Stop: 8930, Start Num: 6

Candidate Starts for Syra333_15:

(Start: 6 @8643 has 139 MA's), (8, 8664), (9, 8685), (10, 8697), (11, 8706), (22, 8835), (23, 8841), (24, 8847), (28, 8901), (29, 8907),

Gene: TBond007_15 Start: 9455, Stop: 9739, Start Num: 6

Candidate Starts for TBond007_15:

(Start: 6 @9455 has 139 MA's), (8, 9476), (11, 9518), (22, 9626), (28, 9692),

Gene: TClif_15 Start: 8631, Stop: 8921, Start Num: 6

Candidate Starts for TClif_15:

(Start: 6 @8631 has 139 MA's), (8, 8652), (16, 8793), (23, 8829), (24, 8835), (28, 8889), (29, 8895), (31, 8907),

Gene: Tachez_16 Start: 9664, Stop: 9945, Start Num: 6

Candidate Starts for Tachez_16:

(Start: 6 @9664 has 139 MA's), (16, 9820), (20, 9832), (22, 9850), (24, 9862), (28, 9913), (29, 9919),

Gene: TaiwanKao_16 Start: 9671, Stop: 9952, Start Num: 6

Candidate Starts for TaiwanKao_16:

(Start: 6 @9671 has 139 MA's), (16, 9827), (20, 9839), (22, 9857), (24, 9869), (28, 9920), (29, 9926),

Gene: Teejan_12 Start: 8985, Stop: 9266, Start Num: 6

Candidate Starts for Teejan_12:

(Start: 6 @8985 has 139 MA's), (16, 9141), (22, 9171), (23, 9177), (24, 9183), (25, 9204), (28, 9234), (29, 9240), (31, 9252),

Gene: Tierra_15 Start: 9346, Stop: 9633, Start Num: 6

Candidate Starts for Tierra_15:

(Start: 6 @9346 has 139 MA's), (8, 9367), (9, 9388), (10, 9400), (11, 9409), (23, 9544), (24, 9550), (25, 9574), (28, 9604), (29, 9610),

Gene: Tigress9_15 Start: 8627, Stop: 8914, Start Num: 6

Candidate Starts for Tigress9_15:

(Start: 6 @8627 has 139 MA's), (8, 8648), (9, 8669), (10, 8681), (11, 8690), (22, 8819), (23, 8825), (24, 8831), (28, 8885), (29, 8891),

Gene: TingHuaYa_16 Start: 8747, Stop: 9016, Start Num: 8

Candidate Starts for TingHuaYa_16:

(1, 8582), (Start: 6 @8726 has 139 MA's), (8, 8747), (10, 8780), (13, 8795), (17, 8891), (23, 8924), (24, 8930), (28, 8984), (29, 8990),

Gene: TiniBug_16 Start: 9643, Stop: 9924, Start Num: 6

Candidate Starts for TiniBug_16:

(Start: 6 @9643 has 139 MA's), (16, 9799), (20, 9811), (22, 9829), (23, 9835), (28, 9892), (29, 9898),

Gene: Tiri_16 Start: 9710, Stop: 9991, Start Num: 6

Candidate Starts for Tiri_16:

(Start: 6 @9710 has 139 MA's), (16, 9866), (20, 9878), (22, 9896), (24, 9908), (28, 9959),

Gene: Topper_16 Start: 9741, Stop: 10022, Start Num: 6

Candidate Starts for Topper_16:

(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Torres_12 Start: 8985, Stop: 9266, Start Num: 6

Candidate Starts for Torres_12:

(Start: 6 @8985 has 139 MA's), (16, 9141), (22, 9171), (23, 9177), (24, 9183), (25, 9204), (28, 9234), (29, 9240), (31, 9252),

Gene: TreyKay_16 Start: 9665, Stop: 9946, Start Num: 6

Candidate Starts for TreyKay_16:

(Start: 6 @9665 has 139 MA's), (16, 9821), (20, 9833), (22, 9851), (23, 9857), (24, 9863), (28, 9914), (29, 9920),

Gene: TribbleTrouble_14 Start: 9513, Stop: 9797, Start Num: 6

Candidate Starts for TribbleTrouble_14:

(Start: 6 @9513 has 139 MA's), (8, 9534), (10, 9567), (21, 9669), (28, 9750), (32, 9780),

Gene: Trice_12 Start: 8985, Stop: 9266, Start Num: 6

Candidate Starts for Trice_12:

(Start: 6 @8985 has 139 MA's), (16, 9141), (22, 9171), (23, 9177), (24, 9183), (25, 9204), (28, 9234), (29, 9240), (31, 9252),

Gene: TruffulaTree_16 Start: 9698, Stop: 9979, Start Num: 6

Candidate Starts for TruffulaTree_16:

(Start: 6 @9698 has 139 MA's), (16, 9854), (20, 9866), (22, 9884), (24, 9896), (28, 9947), (29, 9953),

Gene: Twitch_16 Start: 9741, Stop: 10022, Start Num: 6

Candidate Starts for Twitch_16:

(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Unicorn_15 Start: 8681, Stop: 8968, Start Num: 6

Candidate Starts for Unicorn_15:

(Start: 6 @8681 has 139 MA's), (8, 8702), (9, 8723), (10, 8735), (11, 8744), (22, 8873), (23, 8879), (24, 8885), (25, 8909), (28, 8939), (29, 8945),

Gene: Urkel_16 Start: 9643, Stop: 9924, Start Num: 6

Candidate Starts for Urkel_16:

(Start: 6 @9643 has 139 MA's), (16, 9799), (20, 9811), (22, 9829), (23, 9835), (28, 9892), (29, 9898),

Gene: Validus_16 Start: 8689, Stop: 8979, Start Num: 6

Candidate Starts for Validus_16:

(Start: 6 @8689 has 139 MA's), (8, 8710), (11, 8752), (20, 8863), (22, 8881), (23, 8887), (24, 8893), (27, 8935), (28, 8947), (29, 8953),

Gene: Veliki_16 Start: 9741, Stop: 10022, Start Num: 6

Candidate Starts for Veliki_16:

(Start: 6 @9741 has 139 MA's), (16, 9897), (20, 9909), (22, 9927), (24, 9939), (28, 9990),

Gene: Ximenita_16 Start: 8822, Stop: 9109, Start Num: 6

Candidate Starts for Ximenita_16:

(Start: 6 @8822 has 139 MA's), (8, 8843), (9, 8864), (10, 8876), (11, 8885), (22, 9014), (23, 9020), (24, 9026), (28, 9080), (29, 9086),

Gene: YoureAdopted_15 Start: 9674, Stop: 9955, Start Num: 6

Candidate Starts for YoureAdopted_15:

(Start: 6 @9674 has 139 MA's), (16, 9830), (20, 9842), (22, 9860), (24, 9872), (28, 9923), (29, 9929),

Gene: Yuna_16 Start: 8815, Stop: 9102, Start Num: 6

Candidate Starts for Yuna_16:

(Start: 6 @8815 has 139 MA's), (8, 8836), (10, 8869), (12, 8881), (14, 8887), (22, 9007), (23, 9013), (24, 9019), (25, 9043), (28, 9073), (29, 9079),

Gene: Yunkel11_16 Start: 8651, Stop: 8941, Start Num: 6

Candidate Starts for Yunkel11_16:

(1, 8507), (3, 8549), (Start: 6 @8651 has 139 MA's), (8, 8672), (10, 8705), (17, 8816), (18, 8819), (23, 8849), (24, 8855), (27, 8897), (28, 8909), (29, 8915), (31, 8927),

Gene: Zabiza_16 Start: 9699, Stop: 9980, Start Num: 6

Candidate Starts for Zabiza_16:

(Start: 6 @9699 has 139 MA's), (16, 9855), (20, 9867), (22, 9885), (24, 9897), (28, 9948), (29, 9954),

Gene: Zavala_16 Start: 9680, Stop: 9961, Start Num: 6

Candidate Starts for Zavala_16:

(Start: 6 @9680 has 139 MA's), (16, 9836), (20, 9848), (22, 9866), (24, 9878), (28, 9929), (29, 9935),