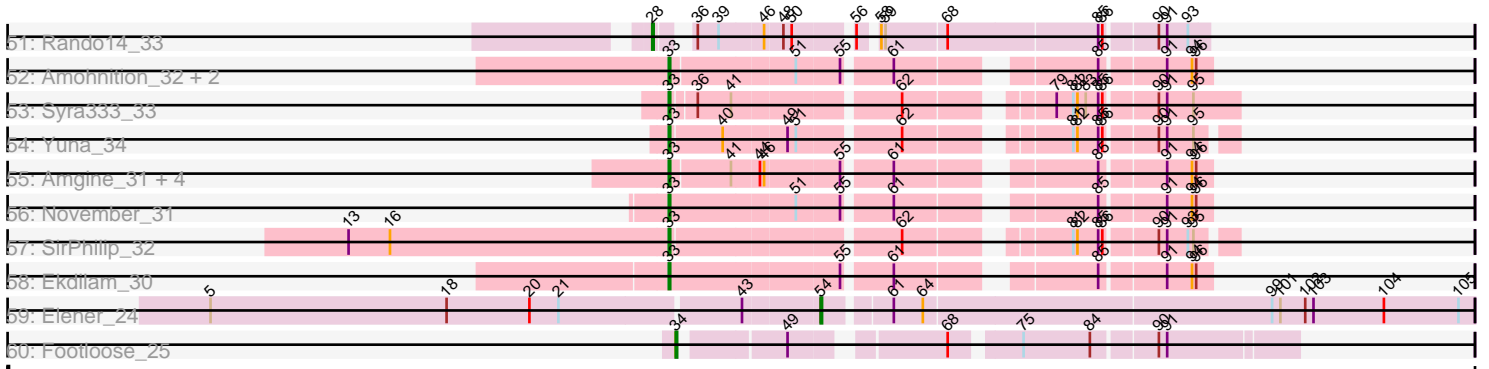


Pham 311272



Pham 311272



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 311272 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311272 has 178 members, 16 are drafts.

Phages represented in each track:

- Track 1 : Nergal_29
- Track 2 : Wolfstar_60
- Track 3 : PhillyPhilly_58, Saradis_59
- Track 4 : Roman_59
- Track 5 : Uterion_61, Lupine_57, Pavlo_58
- Track 6 : Hubbs_59
- Track 7 : DejaVu_60
- Track 8 : Solimine_59
- Track 9 : Stormbreaker_40, LilyLou_41, ArMaWen_39, Birdfeeder_38, Alex44_40, Corn21_39, Dashyla_39
- Track 10 : Unphazed_40, DumpQuist_39, Xitlalli_38, SwissCheezer_39, Phogo_40
- Track 11 : YellowPanda_42
- Track 12 : JessellCookie_41, Salvatore2000_40, MiamiPanther_41, TinyTimothy_39, Sorvannah_40, Wesak_40
- Track 13 : PineapplePluto_42, TicTac_41, Biozilla_41, CrunchyBoi_42, Oatly_41, HitchHiker_42
- Track 14 : Pabst_39
- Track 15 : BlueRugrat_39, TownLake_38, LesNorah_40
- Track 16 : Conditioner_39
- Track 17 : Gshelby23_34, Arete_36, Hannabella_36, Casino_35
- Track 18 : Araxxi_36, DoTi_36
- Track 19 : Scruffy_36
- Track 20 : Pisa1_32
- Track 21 : Inky_33, Spock_33, ShiaSurprise_33, Deby_33, Padfoot_33, Piatt_33, BaghaKamala_33, Zavala_33, Jayhawk_33, Llorens_33, Slimphazie_33, Belladonna_33, Asayake_33, Capricorn_33, BGlluviae_33, CheetoDust_33, Geraldini_33, CREW_33, CallaLilly_33, MacKat_33, Joy99_33, Durfee_33, Tachez_33, Beezoo_33, Topper_33, Dalmuri_33, Mynx_33, Twitch_33, Jeckyll_33, Zabiza_33, ActinUp_33, DartGoblin_33, Clipper_33, Veliki_33, Stinson_34, Ramen_33, Rosmarinus_33, Rapunzel97_33, Emerson_33, Pokerus_32, Hyperbowlee_33, CaseJules_33, TruffulaTree_33, Padpat_33, Blizzard_33, Lunahalos_33, Peel_33, HedwigODU_33, Apocalypse_33, Boiiii_33, YoureAdopted_32, Bella96_33, Jarvi_33, Homura_33
- Track 22 : LindNT_33, TaiwanKao_34, TreyKay_33, Ageofdapage_33, Megsy_33, Prithvi_33
- Track 23 : Mdavu_29, Teejan_29, Trice_29, Enkosi_29, Nikao_29, LilPharaoh_29, Binglebops_29, Amelie_29, SgtBeansprout_29, Torres_29, Nutello_29

- Track 24 : QuincyRose_32, Ganymede_34
- Track 25 : Sulley_33, BarrelRoll_33, BEEEST_33, Angelica_33, Atiba_33, AlishaPH_33, Adephagia_33
- Track 26 : Nibb_32
- Track 27 : Anma_33, Urkel_33, SamuelLPlaqson_33, DrHayes_33
- Track 28 : Illumine_33, LaterM_33, Dole_33, Devera_33
- Track 29 : Tiri_33
- Track 30 : JAWS_33
- Track 31 : Pisa4_32
- Track 32 : Anaya_34
- Track 33 : Guanica15_33, Yunkel11_33, Efra2_33
- Track 34 : Bern_33
- Track 35 : MeaningOfLife_33
- Track 36 : Murucutumbu_33
- Track 37 : Curiosium_34
- Track 38 : TiniBug_33
- Track 39 : TingHuaYa_33
- Track 40 : CrimD_33
- Track 41 : Adonis_33
- Track 42 : MacnCheese_34
- Track 43 : TBond007_33
- Track 44 : Pharb_32
- Track 45 : TribbleTrouble_32
- Track 46 : Pixie_33
- Track 47 : Keshu_34
- Track 48 : Lea83_34
- Track 49 : ShedlockHolmes_34
- Track 50 : Hurricane_34
- Track 51 : Rando14_33
- Track 52 : Amohnition_32, DARTH_P_32, Hammy_32
- Track 53 : Syra333_33
- Track 54 : Yuna_34
- Track 55 : Amgine_31, Applecrisp_31, Lavahound_31, Ellie_30, Fefferhead_32
- Track 56 : November_31
- Track 57 : SirPhilip_32
- Track 58 : Ekdilam_30
- Track 59 : Elener_24
- Track 60 : Footloose_25

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

The start number called the most often in the published annotations is 28, it was called in 80 of the 162 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ActinUp_33, Adonis_33, Ageofdapage_33, Anma_33, Apocalypse_33, Asayake_33, BGIlluviae_33, BaghaKamala_33, Beezoo_33, Bella96_33, Belladonna_33, Bern_33, Blizzard_33, Boiiii_33, CREW_33, CallaLilly_33, Capricorn_33, CaseJules_33, CheetoDust_33, Clipper_33, CrimD_33, Curiosium_34, Dalmuri_33, DartGoblin_33, Deby_33, Devera_33, Dole_33, DrHayes_33, Durfee_33, Efra2_33, Emerson_33,

Ganymede_34, Geraldini_33, Guanica15_33, HedwigODU_33, Homura_33, Hyperbowlee_33, Illumine_33, Inky_33, Jarvi_33, Jayhawk_33, Jeckyll_33, Joy99_33, LaterM_33, LindNT_33, Llorens_33, Lunahalos_33, MacKat_33, MeaningOfLife_33, Megsy_33, Murucutumbu_33, Mynx_33, Padfoot_33, Padpat_33, Peel_33, Piatt_33, Pisa4_32, Pokerus_32, Prithvi_33, QuincyRose_32, Ramen_33, Rando14_33, Rapunzel97_33, Rosmarinus_33, SamuelLPlaqson_33, ShiaSurprise_33, Slimphazie_33, Spock_33, Stinson_34, Tachez_33, TaiwanKao_34, TingHuaYa_33, TiniBug_33, Tiri_33, Topper_33, TreyKay_33, TruffulaTree_33, Twitch_33, Urkel_33, Veliki_33, YoureAdopted_32, Yunkel11_33, Zabiza_33, Zavala_33,

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

- Adephagia_33, AlishaPH_33, Anaya_34, Angelica_33, Atiba_33, BEEST_33, BarrelRoll_33, JAWS_33, Pisa1_32, Sulley_33,

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

- Alex44_40, Amelie_29, Amgine_31, Amohntion_32, Applecrisp_31, ArMaWen_39, Araxxi_36, Arete_36, Binglebops_29, Biozilla_41, Birdfeeder_38, BlueRugrat_39, Casino_35, Conditioner_39, Corn21_39, CrunchyBoi_42, DarthP_32, Dashyla_39, DejaVu_60, DoTi_36, DumpQuist_39, Ekdilam_30, Elener_24, Ellie_30, Enkosi_29, Fefferhead_32, Footloose_25, Gshelby23_34, Hammy_32, Hannabella_36, HitchHiker_42, Hubbs_59, Hurricane_34, JessellCookie_41, Keshu_34, Lavahound_31, Lea83_34, LesNorah_40, LilPharaoh_29, LilyLou_41, Lupine_57, MacnCheese_34, Mdavu_29, MiamiPanther_41, Nergal_29, Nibb_32, Nikao_29, November_31, Nutello_29, Oatly_41, Pabst_39, Pavlo_58, Pharb_32, PhillyPhilly_58, Phogo_40, PineapplePluto_42, Pixie_33, Roman_59, Salvatore2000_40, Saradis_59, Scruffy_36, SgtBeansprout_29, ShedlockHolmes_34, SirPhilip_32, Solimine_59, Sorvannah_40, Stormbreaker_40, SwissCheezer_39, Syra333_33, TBond007_33, Teejan_29, TicTac_41, TinyTimothy_39, Torres_29, TownLake_38, TripleTrouble_32, Trice_29, Unphazed_40, Uterion_61, Wesak_40, Wolfstar_60, Xitlalli_38, YellowPanda_42, Yuna_34,

Summary by start number:

Start 25:

- Found in 4 of 178 (2.2%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Conditioner_39 (EK1),

Start 26:

- Found in 10 of 178 (5.6%) of genes in pham
- Manual Annotations of this start: 7 of 162
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DejaVu_60 (ED1), Hubbs_59 (ED1), Lupine_57 (ED1), Pavlo_58 (ED1), PhillyPhilly_58 (ED1), Roman_59 (ED1), Saradis_59 (ED1), Solimine_59 (ED1), Uterion_61 (ED1), Wolfstar_60 (ED),

Start 27:

- Found in 11 of 178 (6.2%) of genes in pham
- Manual Annotations of this start: 1 of 162
- Called 9.1% of time when present
- Phage (with cluster) where this start called: YellowPanda_42 (EK1),

Start 28:

- Found in 94 of 178 (52.8%) of genes in pham
- Manual Annotations of this start: 80 of 162
- Called 89.4% of time when present
- Phage (with cluster) where this start called: ActinUp_33 (K1), Adonis_33 (K1), Ageofdapage_33 (K1), Anma_33 (K1), Apocalypse_33 (K1), Asayake_33 (K1), BGIlluviae_33 (K1), BaghaKamala_33 (K1), Beezoo_33 (K1), Bella96_33 (K1), Belladonna_33 (K1), Bern_33 (K1), Blizzard_33 (K1), Boiiii_33 (K1), CREW_33 (K1), CallaLilly_33 (K1), Capricorn_33 (K1), CaseJules_33 (K1), CheetoDust_33 (K1), Clipper_33 (K1), CrimD_33 (K1), Curiosium_34 (K1), Dalmuri_33 (K1), DartGoblin_33 (K1), Deby_33 (K1), Devera_33 (K1), Dole_33 (K1), DrHayes_33 (K1), Durfee_33 (K1), Efra2_33 (K1), Emerson_33 (K1), Ganymede_34 (K1), Geraldini_33 (K1), Guanica15_33 (K1), HedwigODU_33 (K1), Homura_33 (K1), Hyperbowlee_33 (K1), Illumine_33 (K1), Inky_33 (K1), Jarvi_33 (K1), Jayhawk_33 (K1), Jeckyll_33 (K1), Joy99_33 (K1), LaterM_33 (K1), LindNT_33 (K1), Llorens_33 (K1), Lunahalos_33 (K1), MacKat_33 (K1), MeaningOfLife_33 (K1), Megsy_33 (K1), Murucutumbu_33 (K1), Mynx_33 (K1), Padfoot_33 (K1), Padpat_33 (K1), Peel_33 (K1), Piatt_33 (K1), Pisa4_32 (K1), Pokerus_32 (K1), Prithvi_33 (K1), QuincyRose_32 (K1), Ramen_33 (K1), Rando14_33 (K5), Rapunzel97_33 (K1), Rosmarinus_33 (K1), SamuelLPlaqson_33 (K1), ShiaSurprise_33 (K1), Slimphazie_33 (K1), Spock_33 (K1), Stinson_34 (K1), Tachez_33 (K1), TaiwanKao_34 (K1), TingHuaYa_33 (K1), TiniBug_33 (K1), Tiri_33 (K1), Topper_33 (K1), TreyKay_33 (K1), TruffulaTree_33 (K1), Twitch_33 (K1), Urkel_33 (K1), Veliki_33 (K1), YoureAdopted_32 (K1), Yunkel11_33 (K1), Zabiza_33 (K1), Zavala_33 (K1),

Start 30:

- Found in 25 of 178 (14.0%) of genes in pham
- Manual Annotations of this start: 18 of 162
- Called 92.0% of time when present
- Phage (with cluster) where this start called: Araxxi_36 (EM1), Arete_36 (EM1), Biozilla_41 (EK1), BlueRugrat_39 (EK1), Casino_35 (EM1), CrunchyBoi_42 (EK1), DoTi_36 (EM1), Gshelby23_34 (EM1), Hannabella_36 (EM1), HitchHiker_42 (EK1), JesselCookie_41 (EK1), LesNorah_40 (EK1), MiamiPanther_41 (EK1), Oatly_41 (EK1), Pabst_39 (EK1), PineapplePluto_42 (EK1), Salvatore2000_40 (EK1), Scruffy_36 (EM1), Sorvannah_40 (EK1), TicTac_41 (EK1), TinyTimothy_39 (EK1), TownLake_38 (EK1), Wesak_40 (EK1),

Start 31:

- Found in 80 of 178 (44.9%) of genes in pham
- Manual Annotations of this start: 16 of 162
- Called 21.2% of time when present
- Phage (with cluster) where this start called: Adephagia_33 (K1), AlishaPH_33 (K1), Angelica_33 (K1), Atiba_33 (K1), BEEST_33 (K1), BarrelRoll_33 (K1), Hurricane_34 (K3), Keshu_34 (K3), Lea83_34 (K3), MacnCheese_34 (K3), Pharb_32 (K3), Pisa1_32 (K1), Pixie_33 (K3), ShedlockHolmes_34 (K3), Sulley_33 (K1), TBond007_33 (K3), TripleTrouble_32 (K3),

Start 32:

- Found in 12 of 178 (6.7%) of genes in pham
- Manual Annotations of this start: 12 of 162
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Alex44_40 (EK1), ArMaWen_39 (EK1), Birdfeeder_38 (EK1), Corn21_39 (EK1), Dashyla_39 (EK1), DumpQuist_39 (EK1), LilyLou_41 (EK1), Phogo_40 (EK1), Stormbreaker_40 (EK1), SwissCheezer_39 (EK1), Unphazed_40 (EK1), Xitlalli_38 (EK1),

Start 33:

- Found in 26 of 178 (14.6%) of genes in pham
- Manual Annotations of this start: 24 of 162
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amelie_29 (K1), Amgine_31 (K6), Amohnition_32 (K6), Applecrisp_31 (K6), Binglebops_29 (K1), DarthP_32 (K6), Ekdilam_30 (K6), Ellie_30 (K6), Enkosi_29 (K1), Fefferhead_32 (K6), Hammy_32 (K6), Lavahound_31 (K6), LilPharaoh_29 (K1), Mdavu_29 (K1), Nergal_29 (AG), Nibb_32 (K1), Nikao_29 (K1), November_31 (K6), Nutello_29 (K1), SgtBeansprout_29 (K1), SirPhilip_32 (K6), Syra333_33 (K6), Teejan_29 (K1), Torres_29 (K1), Trice_29 (K1), Yuna_34 (K6),

Start 34:

- Found in 1 of 178 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 162
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Footloose_25 (singleton),

Start 37:

- Found in 71 of 178 (39.9%) of genes in pham
- Manual Annotations of this start: 2 of 162
- Called 2.8% of time when present
- Phage (with cluster) where this start called: Anaya_34 (K1), JAWS_33 (K1),

Start 54:

- Found in 1 of 178 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 162
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elener_24 (singleton),

Summary by clusters:

There are 10 clusters represented in this pham: singleton, AG, ED, K3, K1, ED1, EM1, K6, K5, EK1,

Info for manual annotations of cluster AG:

- Start number 33 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster ED:

- Start number 26 was manually annotated 1 time for cluster ED.

Info for manual annotations of cluster ED1:

- Start number 26 was manually annotated 6 times for cluster ED1.

Info for manual annotations of cluster EK1:

- Start number 27 was manually annotated 1 time for cluster EK1.
- Start number 30 was manually annotated 12 times for cluster EK1.
- Start number 32 was manually annotated 12 times for cluster EK1.

Info for manual annotations of cluster EM1:

- Start number 30 was manually annotated 6 times for cluster EM1.

Info for manual annotations of cluster K1:

- Start number 28 was manually annotated 79 times for cluster K1.
- Start number 31 was manually annotated 7 times for cluster K1.
- Start number 33 was manually annotated 10 times for cluster K1.
- Start number 37 was manually annotated 2 times for cluster K1.

Info for manual annotations of cluster K3:

- Start number 31 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K5:

- Start number 28 was manually annotated 1 time for cluster K5.

Info for manual annotations of cluster K6:

- Start number 33 was manually annotated 13 times for cluster K6.

Gene Information:

Gene: ActinUp_33 Start: 27783, Stop: 28127, Start Num: 28

Candidate Starts for ActinUp_33:

(Start: 28 @27783 has 80 MA's), (Start: 31 @27789 has 16 MA's), (Start: 37 @27801 has 2 MA's), (41, 27822), (76, 28008), (85, 28056), (86, 28059), (90, 28092), (93, 28113), (94, 28116),

Gene: Adephagia_33 Start: 27786, Stop: 28124, Start Num: 31

Candidate Starts for Adephagia_33:

(Start: 28 @27780 has 80 MA's), (Start: 31 @27786 has 16 MA's), (Start: 37 @27798 has 2 MA's), (41, 27819), (76, 28005), (85, 28053), (86, 28056), (90, 28089), (93, 28110), (94, 28113),

Gene: Adonis_33 Start: 27795, Stop: 28139, Start Num: 28

Candidate Starts for Adonis_33:

(Start: 28 @27795 has 80 MA's), (Start: 31 @27801 has 16 MA's), (36, 27810), (Start: 37 @27813 has 2 MA's), (41, 27834), (76, 28020), (85, 28068), (86, 28071), (90, 28104), (93, 28125), (94, 28128),

Gene: Ageofdapage_33 Start: 27723, Stop: 28064, Start Num: 28

Candidate Starts for Ageofdapage_33:

(Start: 28 @27723 has 80 MA's), (47, 27786), (60, 27849), (73, 27936), (74, 27939), (77, 27957), (79, 27963), (93, 28050), (94, 28053),

Gene: Alex44_40 Start: 39707, Stop: 40105, Start Num: 32

Candidate Starts for Alex44_40:

(Start: 32 @39707 has 12 MA's), (75, 39932), (78, 39953),

Gene: AlishaPH_33 Start: 27779, Stop: 28117, Start Num: 31

Candidate Starts for AlishaPH_33:

(Start: 28 @27773 has 80 MA's), (Start: 31 @27779 has 16 MA's), (Start: 37 @27791 has 2 MA's), (41, 27812), (76, 27998), (85, 28046), (86, 28049), (90, 28082), (93, 28103), (94, 28106),

Gene: Amelie_29 Start: 27202, Stop: 27549, Start Num: 33

Candidate Starts for Amelie_29:

(Start: 33 @27202 has 24 MA's), (36, 27217), (40, 27235), (44, 27259), (51, 27283), (62, 27349), (81, 27445), (82, 27448), (85, 27463), (86, 27466), (90, 27499), (91, 27505), (95, 27523),

Gene: Amgine_31 Start: 27748, Stop: 28086, Start Num: 33

Candidate Starts for Amgine_31:

(Start: 33 @27748 has 24 MA's), (41, 27790), (44, 27808), (46, 27811), (55, 27862), (61, 27892), (85, 28012), (91, 28054), (94, 28072), (96, 28075),

Gene: Amohnition_32 Start: 28182, Stop: 28520, Start Num: 33

Candidate Starts for Amohnition_32:

(Start: 33 @28182 has 24 MA's), (51, 28266), (55, 28296), (61, 28326), (85, 28446), (91, 28488), (94, 28506), (96, 28509),

Gene: Anaya_34 Start: 27826, Stop: 28152, Start Num: 37

Candidate Starts for Anaya_34:

(19, 27673), (Start: 28 @27808 has 80 MA's), (Start: 37 @27826 has 2 MA's), (41, 27847), (62, 27946), (76, 28033), (85, 28081), (86, 28084), (90, 28117), (93, 28138), (94, 28141),

Gene: Angelica_33 Start: 27736, Stop: 28074, Start Num: 31

Candidate Starts for Angelica_33:

(Start: 28 @27730 has 80 MA's), (Start: 31 @27736 has 16 MA's), (Start: 37 @27748 has 2 MA's), (41, 27769), (76, 27955), (85, 28003), (86, 28006), (90, 28039), (93, 28060), (94, 28063),

Gene: Anma_33 Start: 27706, Stop: 28068, Start Num: 28

Candidate Starts for Anma_33:

(Start: 28 @27706 has 80 MA's), (42, 27763), (62, 27868), (81, 27964), (85, 27982), (86, 27985), (90, 28018), (93, 28039), (95, 28042),

Gene: Apocalypse_33 Start: 27751, Stop: 28095, Start Num: 28

Candidate Starts for Apocalypse_33:

(Start: 28 @27751 has 80 MA's), (Start: 31 @27757 has 16 MA's), (Start: 37 @27769 has 2 MA's), (41, 27790), (76, 27976), (85, 28024), (86, 28027), (90, 28060), (93, 28081), (94, 28084),

Gene: Applecrisp_31 Start: 28170, Stop: 28508, Start Num: 33

Candidate Starts for Applecrisp_31:

(Start: 33 @28170 has 24 MA's), (41, 28212), (44, 28230), (46, 28233), (55, 28284), (61, 28314), (85, 28434), (91, 28476), (94, 28494), (96, 28497),

Gene: ArMaWen_39 Start: 39250, Stop: 39648, Start Num: 32

Candidate Starts for ArMaWen_39:

(Start: 32 @39250 has 12 MA's), (75, 39475), (78, 39496),

Gene: Araxxi_36 Start: 42569, Stop: 43006, Start Num: 30

Candidate Starts for Araxxi_36:

(22, 42515), (Start: 30 @42569 has 18 MA's), (70, 42764), (87, 42866), (90, 42896),

Gene: Arete_36 Start: 42315, Stop: 42740, Start Num: 30

Candidate Starts for Arete_36:

(Start: 27 @42297 has 1 MA's), (Start: 30 @42315 has 18 MA's), (68, 42498), (69, 42504), (87, 42612), (90, 42642),

Gene: Asayake_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Asayake_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: Atiba_33 Start: 27749, Stop: 28087, Start Num: 31

Candidate Starts for Atiba_33:

(Start: 28 @27743 has 80 MA's), (Start: 31 @27749 has 16 MA's), (Start: 37 @27761 has 2 MA's), (41, 27782), (76, 27968), (85, 28016), (86, 28019), (90, 28052), (93, 28073), (94, 28076),

Gene: BEEST_33 Start: 27820, Stop: 28158, Start Num: 31

Candidate Starts for BEEST_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: BGlluviae_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for BGlluviae_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: BaghaKamala_33 Start: 27743, Stop: 28087, Start Num: 28

Candidate Starts for BaghaKamala_33:

(Start: 28 @27743 has 80 MA's), (Start: 31 @27749 has 16 MA's), (Start: 37 @27761 has 2 MA's), (41, 27782), (76, 27968), (85, 28016), (86, 28019), (90, 28052), (93, 28073), (94, 28076),

Gene: BarrelRoll_33 Start: 27772, Stop: 28110, Start Num: 31

Candidate Starts for BarrelRoll_33:

(Start: 28 @27766 has 80 MA's), (Start: 31 @27772 has 16 MA's), (Start: 37 @27784 has 2 MA's), (41, 27805), (76, 27991), (85, 28039), (86, 28042), (90, 28075), (93, 28096), (94, 28099),

Gene: Beezoo_33 Start: 27791, Stop: 28135, Start Num: 28

Candidate Starts for Beezoo_33:

(Start: 28 @27791 has 80 MA's), (Start: 31 @27797 has 16 MA's), (Start: 37 @27809 has 2 MA's), (41, 27830), (76, 28016), (85, 28064), (86, 28067), (90, 28100), (93, 28121), (94, 28124),

Gene: Bella96_33 Start: 27684, Stop: 28028, Start Num: 28

Candidate Starts for Bella96_33:

(Start: 28 @27684 has 80 MA's), (Start: 31 @27690 has 16 MA's), (Start: 37 @27702 has 2 MA's), (41, 27723), (76, 27909), (85, 27957), (86, 27960), (90, 27993), (93, 28014), (94, 28017),

Gene: Belladonna_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Belladonna_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: Bern_33 Start: 27723, Stop: 28067, Start Num: 28

Candidate Starts for Bern_33:

(Start: 28 @27723 has 80 MA's), (Start: 31 @27729 has 16 MA's), (Start: 37 @27741 has 2 MA's), (41, 27762), (85, 27996), (86, 27999), (90, 28032), (93, 28053), (94, 28056),

Gene: Biglebops_29 Start: 27202, Stop: 27549, Start Num: 33

Candidate Starts for Biglebops_29:

(Start: 33 @27202 has 24 MA's), (36, 27217), (40, 27235), (44, 27259), (51, 27283), (62, 27349), (81, 27445), (82, 27448), (85, 27463), (86, 27466), (90, 27499), (91, 27505), (95, 27523),

Gene: Biozilla_41 Start: 39627, Stop: 40070, Start Num: 30

Candidate Starts for Biozilla_41:

(1, 39165), (2, 39222), (3, 39255), (6, 39318), (8, 39330), (9, 39354), (10, 39375), (11, 39378), (12, 39381), (15, 39405), (17, 39432), (23, 39579), (29, 39624), (Start: 30 @39627 has 18 MA's), (66, 39804), (87, 39930), (90, 39960), (97, 39999),

Gene: Birdfeeder_38 Start: 39463, Stop: 39861, Start Num: 32

Candidate Starts for Birdfeeder_38:

(Start: 32 @39463 has 12 MA's), (75, 39688), (78, 39709),

Gene: Blizzard_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Blizzard_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: BlueRugrat_39 Start: 39708, Stop: 40106, Start Num: 30

Candidate Starts for BlueRugrat_39:

(20, 39612), (24, 39669), (25, 39678), (Start: 30 @39708 has 18 MA's), (42, 39747), (75, 39933), (78, 39954), (85, 39987), (94, 40047),

Gene: Boiiii_33 Start: 27816, Stop: 28160, Start Num: 28

Candidate Starts for Boiiii_33:

(Start: 28 @27816 has 80 MA's), (Start: 31 @27822 has 16 MA's), (Start: 37 @27834 has 2 MA's), (41, 27855), (76, 28041), (85, 28089), (86, 28092), (90, 28125), (93, 28146), (94, 28149),

Gene: CREW_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for CREW_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: CallaLilly_33 Start: 27737, Stop: 28081, Start Num: 28

Candidate Starts for CallaLilly_33:

(Start: 28 @27737 has 80 MA's), (Start: 31 @27743 has 16 MA's), (Start: 37 @27755 has 2 MA's), (41, 27776), (76, 27962), (85, 28010), (86, 28013), (90, 28046), (93, 28067), (94, 28070),

Gene: Capricorn_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Capricorn_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: CaseJules_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for CaseJules_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: Casino_35 Start: 42287, Stop: 42712, Start Num: 30

Candidate Starts for Casino_35:

(Start: 27 @42269 has 1 MA's), (Start: 30 @42287 has 18 MA's), (68, 42470), (69, 42476), (87, 42584), (90, 42614),

Gene: CheetoDust_33 Start: 27791, Stop: 28135, Start Num: 28

Candidate Starts for CheetoDust_33:

(Start: 28 @27791 has 80 MA's), (Start: 31 @27797 has 16 MA's), (Start: 37 @27809 has 2 MA's), (41, 27830), (76, 28016), (85, 28064), (86, 28067), (90, 28100), (93, 28121), (94, 28124),

Gene: Clipper_33 Start: 27791, Stop: 28135, Start Num: 28

Candidate Starts for Clipper_33:

(Start: 28 @27791 has 80 MA's), (Start: 31 @27797 has 16 MA's), (Start: 37 @27809 has 2 MA's), (41, 27830), (76, 28016), (85, 28064), (86, 28067), (90, 28100), (93, 28121), (94, 28124),

Gene: Conditioner_39 Start: 39751, Stop: 40179, Start Num: 25

Candidate Starts for Conditioner_39:

(20, 39685), (24, 39742), (25, 39751), (Start: 30 @39781 has 18 MA's), (42, 39820), (75, 40006), (78, 40027), (85, 40060), (94, 40120),

Gene: Corn21_39 Start: 39786, Stop: 40184, Start Num: 32

Candidate Starts for Corn21_39:

(Start: 32 @39786 has 12 MA's), (75, 40011), (78, 40032),

Gene: CrimD_33 Start: 27751, Stop: 28092, Start Num: 28

Candidate Starts for CrimD_33:

(Start: 28 @27751 has 80 MA's), (47, 27814), (52, 27832), (60, 27877), (73, 27964), (74, 27967), (77, 27985), (79, 27991), (93, 28078), (94, 28081),

Gene: CrunchyBoi_42 Start: 39482, Stop: 39925, Start Num: 30

Candidate Starts for CrunchyBoi_42:

(1, 39020), (2, 39077), (3, 39110), (6, 39173), (8, 39185), (9, 39209), (10, 39230), (11, 39233), (12, 39236), (15, 39260), (17, 39287), (23, 39434), (29, 39479), (Start: 30 @39482 has 18 MA's), (66, 39659), (87, 39785), (90, 39815), (97, 39854),

Gene: Curiosium_34 Start: 27577, Stop: 27918, Start Num: 28

Candidate Starts for Curiosium_34:

(Start: 28 @27577 has 80 MA's), (36, 27589), (38, 27598), (55, 27685), (60, 27703), (62, 27712), (68, 27742), (73, 27790), (93, 27904), (94, 27907),

Gene: Dalmuri_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Dalmuri_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: DartGoblin_33 Start: 27678, Stop: 28022, Start Num: 28

Candidate Starts for DartGoblin_33:

(Start: 28 @27678 has 80 MA's), (Start: 31 @27684 has 16 MA's), (Start: 37 @27696 has 2 MA's), (41, 27717), (76, 27903), (85, 27951), (86, 27954), (90, 27987), (93, 28008), (94, 28011),

Gene: DarthP_32 Start: 28104, Stop: 28442, Start Num: 33

Candidate Starts for DarthP_32:

(Start: 33 @28104 has 24 MA's), (51, 28188), (55, 28218), (61, 28248), (85, 28368), (91, 28410), (94, 28428), (96, 28431),

Gene: Dashyla_39 Start: 39381, Stop: 39779, Start Num: 32

Candidate Starts for Dashyla_39:

(Start: 32 @39381 has 12 MA's), (75, 39606), (78, 39627),

Gene: Deby_33 Start: 27748, Stop: 28092, Start Num: 28

Candidate Starts for Deby_33:

(Start: 28 @27748 has 80 MA's), (Start: 31 @27754 has 16 MA's), (Start: 37 @27766 has 2 MA's), (41, 27787), (76, 27973), (85, 28021), (86, 28024), (90, 28057), (93, 28078), (94, 28081),

Gene: DejaVu_60 Start: 35358, Stop: 35834, Start Num: 26

Candidate Starts for DejaVu_60:

(Start: 26 @35358 has 7 MA's), (35, 35394), (42, 35427), (100, 35811),

Gene: Devera_33 Start: 27791, Stop: 28153, Start Num: 28

Candidate Starts for Devera_33:

(Start: 28 @27791 has 80 MA's), (42, 27848), (48, 27878), (62, 27953), (81, 28049), (82, 28052), (85, 28067), (86, 28070), (90, 28103), (95, 28127),

Gene: DoTi_36 Start: 42673, Stop: 43110, Start Num: 30

Candidate Starts for DoTi_36:

(22, 42619), (Start: 30 @42673 has 18 MA's), (70, 42868), (87, 42970), (90, 43000),

Gene: Dole_33 Start: 27793, Stop: 28155, Start Num: 28

Candidate Starts for Dole_33:

(Start: 28 @27793 has 80 MA's), (42, 27850), (48, 27880), (62, 27955), (81, 28051), (82, 28054), (85, 28069), (86, 28072), (90, 28105), (95, 28129),

Gene: DrHayes_33 Start: 27706, Stop: 28068, Start Num: 28

Candidate Starts for DrHayes_33:

(Start: 28 @27706 has 80 MA's), (42, 27763), (62, 27868), (81, 27964), (85, 27982), (86, 27985), (90, 28018), (93, 28039), (95, 28042),

Gene: DumpQuist_39 Start: 39235, Stop: 39633, Start Num: 32

Candidate Starts for DumpQuist_39:

(Start: 32 @39235 has 12 MA's), (42, 39271), (75, 39460), (78, 39481),

Gene: Durfee_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Durfee_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: Efra2_33 Start: 27031, Stop: 27393, Start Num: 28

Candidate Starts for Efra2_33:

(16, 26842), (Start: 28 @27031 has 80 MA's), (42, 27088), (48, 27118), (59, 27181), (62, 27193), (68, 27223), (81, 27289), (82, 27292), (85, 27307), (86, 27310), (90, 27343), (95, 27367),

Gene: Ekdilam_30 Start: 27859, Stop: 28200, Start Num: 33

Candidate Starts for Ekdilam_30:

(Start: 33 @27859 has 24 MA's), (55, 27976), (61, 28006), (85, 28126), (91, 28168), (94, 28186), (96, 28189),

Gene: Elener_24 Start: 20456, Stop: 20911, Start Num: 54

Candidate Starts for Elener_24:

(5, 20027), (18, 20198), (20, 20258), (21, 20279), (43, 20405), (Start: 54 @20456 has 1 MA's), (61, 20498), (64, 20519), (99, 20765), (101, 20771), (102, 20789), (103, 20795), (104, 20846), (105, 20900),

Gene: Ellie_30 Start: 27861, Stop: 28199, Start Num: 33

Candidate Starts for Ellie_30:

(Start: 33 @27861 has 24 MA's), (41, 27903), (44, 27921), (46, 27924), (55, 27975), (61, 28005), (85, 28125), (91, 28167), (94, 28185), (96, 28188),

Gene: Emerson_33 Start: 27774, Stop: 28118, Start Num: 28

Candidate Starts for Emerson_33:

(Start: 28 @27774 has 80 MA's), (Start: 31 @27780 has 16 MA's), (Start: 37 @27792 has 2 MA's), (41, 27813), (76, 27999), (85, 28047), (86, 28050), (90, 28083), (93, 28104), (94, 28107),

Gene: Enkosi_29 Start: 27202, Stop: 27549, Start Num: 33

Candidate Starts for Enkosi_29:

(Start: 33 @27202 has 24 MA's), (36, 27217), (40, 27235), (44, 27259), (51, 27283), (62, 27349), (81, 27445), (82, 27448), (85, 27463), (86, 27466), (90, 27499), (91, 27505), (95, 27523),

Gene: Fefferhead_32 Start: 28061, Stop: 28399, Start Num: 33

Candidate Starts for Fefferhead_32:

(Start: 33 @28061 has 24 MA's), (41, 28103), (44, 28121), (46, 28124), (55, 28175), (61, 28205), (85, 28325), (91, 28367), (94, 28385), (96, 28388),

Gene: Footloose_25 Start: 17686, Stop: 18072, Start Num: 34

Candidate Starts for Footloose_25:

(Start: 34 @17686 has 1 MA's), (49, 17752), (68, 17845), (75, 17887), (84, 17935), (90, 17977), (91, 17983),

Gene: Ganymede_34 Start: 27803, Stop: 28147, Start Num: 28

Candidate Starts for Ganymede_34:

(19, 27668), (Start: 28 @27803 has 80 MA's), (Start: 31 @27809 has 16 MA's), (36, 27818), (Start: 37 @27821 has 2 MA's), (41, 27842), (76, 28028), (77, 28040), (85, 28076), (86, 28079), (90, 28112), (93, 28133), (94, 28136),

Gene: Geraldini_33 Start: 27791, Stop: 28135, Start Num: 28

Candidate Starts for Geraldini_33:

(Start: 28 @27791 has 80 MA's), (Start: 31 @27797 has 16 MA's), (Start: 37 @27809 has 2 MA's), (41, 27830), (76, 28016), (85, 28064), (86, 28067), (90, 28100), (93, 28121), (94, 28124),

Gene: Gshelby23_34 Start: 42222, Stop: 42647, Start Num: 30

Candidate Starts for Gshelby23_34:

(Start: 27 @42204 has 1 MA's), (Start: 30 @42222 has 18 MA's), (68, 42405), (69, 42411), (87, 42519), (90, 42549),

Gene: Guanica15_33 Start: 27048, Stop: 27410, Start Num: 28

Candidate Starts for Guanica15_33:

(16, 26859), (Start: 28 @27048 has 80 MA's), (42, 27105), (48, 27135), (59, 27198), (62, 27210), (68, 27240), (81, 27306), (82, 27309), (85, 27324), (86, 27327), (90, 27360), (95, 27384),

Gene: Hammy_32 Start: 28095, Stop: 28433, Start Num: 33

Candidate Starts for Hammy_32:

(Start: 33 @28095 has 24 MA's), (51, 28179), (55, 28209), (61, 28239), (85, 28359), (91, 28401), (94, 28419), (96, 28422),

Gene: Hannabella_36 Start: 42263, Stop: 42688, Start Num: 30

Candidate Starts for Hannabella_36:

(Start: 27 @42245 has 1 MA's), (Start: 30 @42263 has 18 MA's), (68, 42446), (69, 42452), (87, 42560), (90, 42590),

Gene: HedwigODU_33 Start: 27783, Stop: 28127, Start Num: 28

Candidate Starts for HedwigODU_33:

(Start: 28 @27783 has 80 MA's), (Start: 31 @27789 has 16 MA's), (Start: 37 @27801 has 2 MA's), (41, 27822), (76, 28008), (85, 28056), (86, 28059), (90, 28092), (93, 28113), (94, 28116),

Gene: HitchHiker_42 Start: 39627, Stop: 40070, Start Num: 30

Candidate Starts for HitchHiker_42:

(1, 39165), (2, 39222), (3, 39255), (6, 39318), (8, 39330), (9, 39354), (10, 39375), (11, 39378), (12, 39381), (15, 39405), (17, 39432), (23, 39579), (29, 39624), (Start: 30 @39627 has 18 MA's), (66, 39804), (87, 39930), (90, 39960), (97, 39999),

Gene: Homura_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Homura_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: Hubbs_59 Start: 35570, Stop: 36046, Start Num: 26

Candidate Starts for Hubbs_59:

(Start: 26 @35570 has 7 MA's), (42, 35639), (62, 35759), (100, 36023),

Gene: Hurricane_34 Start: 28638, Stop: 28985, Start Num: 31

Candidate Starts for Hurricane_34:

(14, 28428), (16, 28455), (19, 28506), (Start: 31 @28638 has 16 MA's), (46, 28689), (81, 28893), (82, 28896), (85, 28911), (86, 28914), (89, 28938), (91, 28953), (95, 28971),

Gene: Hyperbowlee_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Hyperbowlee_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: Illumine_33 Start: 27793, Stop: 28155, Start Num: 28

Candidate Starts for Illumine_33:

(Start: 28 @27793 has 80 MA's), (42, 27850), (48, 27880), (62, 27955), (81, 28051), (82, 28054), (85, 28069), (86, 28072), (90, 28105), (95, 28129),

Gene: Inky_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Inky_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: JAWS_33 Start: 27786, Stop: 28112, Start Num: 37

Candidate Starts for JAWS_33:

(Start: 28 @27768 has 80 MA's), (Start: 31 @27774 has 16 MA's), (Start: 37 @27786 has 2 MA's), (41, 27807), (76, 27993), (85, 28041), (86, 28044), (90, 28077), (93, 28098), (94, 28101),

Gene: Jarvi_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Jarvi_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: Jayhawk_33 Start: 27781, Stop: 28125, Start Num: 28

Candidate Starts for Jayhawk_33:

(Start: 28 @27781 has 80 MA's), (Start: 31 @27787 has 16 MA's), (Start: 37 @27799 has 2 MA's), (41, 27820), (76, 28006), (85, 28054), (86, 28057), (90, 28090), (93, 28111), (94, 28114),

Gene: Jeckyll_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Jeckyll_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: JessellCookie_41 Start: 41104, Stop: 41541, Start Num: 30

Candidate Starts for JessellCookie_41:

(Start: 27 @41086 has 1 MA's), (Start: 30 @41104 has 18 MA's), (41, 41137), (72, 41332), (90, 41431), (96, 41458),

Gene: Joy99_33 Start: 27743, Stop: 28087, Start Num: 28

Candidate Starts for Joy99_33:

(Start: 28 @27743 has 80 MA's), (Start: 31 @27749 has 16 MA's), (Start: 37 @27761 has 2 MA's), (41, 27782), (76, 27968), (85, 28016), (86, 28019), (90, 28052), (93, 28073), (94, 28076),

Gene: Keshu_34 Start: 28626, Stop: 28973, Start Num: 31

Candidate Starts for Keshu_34:

(4, 28275), (7, 28338), (16, 28443), (19, 28494), (Start: 31 @28626 has 16 MA's), (62, 28764), (81, 28881), (82, 28884), (85, 28899), (86, 28902), (89, 28926), (91, 28941), (95, 28959),

Gene: LaterM_33 Start: 27710, Stop: 28072, Start Num: 28

Candidate Starts for LaterM_33:

(Start: 28 @27710 has 80 MA's), (42, 27767), (48, 27797), (62, 27872), (81, 27968), (82, 27971), (85, 27986), (86, 27989), (90, 28022), (95, 28046),

Gene: Lavahound_31 Start: 27753, Stop: 28091, Start Num: 33

Candidate Starts for Lavahound_31:

(Start: 33 @27753 has 24 MA's), (41, 27795), (44, 27813), (46, 27816), (55, 27867), (61, 27897), (85, 28017), (91, 28059), (94, 28077), (96, 28080),

Gene: Lea83_34 Start: 28696, Stop: 29043, Start Num: 31

Candidate Starts for Lea83_34:

(14, 28486), (16, 28513), (19, 28564), (Start: 31 @28696 has 16 MA's), (81, 28951), (82, 28954), (85, 28969), (86, 28972), (90, 29005), (91, 29011), (95, 29029),

Gene: LesNorah_40 Start: 40105, Stop: 40503, Start Num: 30

Candidate Starts for LesNorah_40:

(20, 40009), (24, 40066), (25, 40075), (Start: 30 @40105 has 18 MA's), (42, 40144), (75, 40330), (78, 40351), (85, 40384), (94, 40444),

Gene: LilPharaoh_29 Start: 27202, Stop: 27549, Start Num: 33

Candidate Starts for LilPharaoh_29:

(Start: 33 @27202 has 24 MA's), (36, 27217), (40, 27235), (44, 27259), (51, 27283), (62, 27349), (81, 27445), (82, 27448), (85, 27463), (86, 27466), (90, 27499), (91, 27505), (95, 27523),

Gene: LilyLou_41 Start: 39699, Stop: 40097, Start Num: 32

Candidate Starts for LilyLou_41:

(Start: 32 @39699 has 12 MA's), (75, 39924), (78, 39945),

Gene: LindNT_33 Start: 27747, Stop: 28088, Start Num: 28

Candidate Starts for LindNT_33:

(Start: 28 @27747 has 80 MA's), (47, 27810), (60, 27873), (73, 27960), (74, 27963), (77, 27981), (79, 27987), (93, 28074), (94, 28077),

Gene: Llorens_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Llorens_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: Lunahalos_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Lunahalos_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: Lupine_57 Start: 34772, Stop: 35248, Start Num: 26

Candidate Starts for Lupine_57:

(Start: 26 @34772 has 7 MA's), (42, 34841), (100, 35225),

Gene: MacKat_33 Start: 27791, Stop: 28135, Start Num: 28

Candidate Starts for MacKat_33:

(Start: 28 @27791 has 80 MA's), (Start: 31 @27797 has 16 MA's), (Start: 37 @27809 has 2 MA's), (41, 27830), (76, 28016), (85, 28064), (86, 28067), (90, 28100), (93, 28121), (94, 28124),

Gene: MacnCheese_34 Start: 28679, Stop: 29026, Start Num: 31

Candidate Starts for MacnCheese_34:

(Start: 31 @28679 has 16 MA's), (46, 28730), (62, 28817), (78, 28919), (81, 28934), (82, 28937), (85, 28952), (86, 28955), (91, 28994), (95, 29012),

Gene: Mdavu_29 Start: 27190, Stop: 27537, Start Num: 33

Candidate Starts for Mdavu_29:

(Start: 33 @27190 has 24 MA's), (36, 27205), (40, 27223), (44, 27247), (51, 27271), (62, 27337), (81, 27433), (82, 27436), (85, 27451), (86, 27454), (90, 27487), (91, 27493), (95, 27511),

Gene: MeaningOfLife_33 Start: 27759, Stop: 28103, Start Num: 28

Candidate Starts for MeaningOfLife_33:

(19, 27624), (Start: 28 @27759 has 80 MA's), (Start: 31 @27765 has 16 MA's), (36, 27774), (Start: 37 @27777 has 2 MA's), (41, 27798), (76, 27984), (85, 28032), (86, 28035), (90, 28068), (93, 28089), (94, 28092),

Gene: Megsy_33 Start: 27750, Stop: 28091, Start Num: 28

Candidate Starts for Megsy_33:

(Start: 28 @27750 has 80 MA's), (47, 27813), (60, 27876), (73, 27963), (74, 27966), (77, 27984), (79, 27990), (93, 28077), (94, 28080),

Gene: MiamiPanther_41 Start: 41104, Stop: 41541, Start Num: 30

Candidate Starts for MiamiPanther_41:

(Start: 27 @41086 has 1 MA's), (Start: 30 @41104 has 18 MA's), (41, 41137), (72, 41332), (90, 41431), (96, 41458),

Gene: Murucutumbu_33 Start: 27729, Stop: 28091, Start Num: 28

Candidate Starts for Murucutumbu_33:

(Start: 28 @27729 has 80 MA's), (42, 27786), (48, 27816), (62, 27891), (81, 27987), (82, 27990), (85, 28005), (86, 28008), (90, 28041), (91, 28047), (95, 28065),

Gene: Mynx_33 Start: 27797, Stop: 28141, Start Num: 28

Candidate Starts for Mynx_33:

(Start: 28 @27797 has 80 MA's), (Start: 31 @27803 has 16 MA's), (Start: 37 @27815 has 2 MA's), (41, 27836), (76, 28022), (85, 28070), (86, 28073), (90, 28106), (93, 28127), (94, 28130),

Gene: Nergal_29 Start: 25495, Stop: 25839, Start Num: 33

Candidate Starts for Nergal_29:

(Start: 31 @25492 has 16 MA's), (Start: 33 @25495 has 24 MA's), (56, 25615), (59, 25636), (82, 25747), (86, 25765), (90, 25798),

Gene: Nibb_32 Start: 26939, Stop: 27289, Start Num: 33

Candidate Starts for Nibb_32:

(Start: 31 @26936 has 16 MA's), (Start: 33 @26939 has 24 MA's), (40, 26978), (51, 27026), (52, 27029), (81, 27188), (82, 27191), (85, 27206), (86, 27209), (91, 27248), (95, 27266),

Gene: Nikao_29 Start: 27202, Stop: 27549, Start Num: 33

Candidate Starts for Nikao_29:

(Start: 33 @27202 has 24 MA's), (36, 27217), (40, 27235), (44, 27259), (51, 27283), (62, 27349), (81, 27445), (82, 27448), (85, 27463), (86, 27466), (90, 27499), (91, 27505), (95, 27523),

Gene: November_31 Start: 28020, Stop: 28361, Start Num: 33

Candidate Starts for November_31:

(Start: 33 @28020 has 24 MA's), (51, 28107), (55, 28137), (61, 28167), (85, 28287), (91, 28329), (94, 28347), (96, 28350),

Gene: Nutello_29 Start: 27202, Stop: 27549, Start Num: 33

Candidate Starts for Nutello_29:

(Start: 33 @27202 has 24 MA's), (36, 27217), (40, 27235), (44, 27259), (51, 27283), (62, 27349), (81, 27445), (82, 27448), (85, 27463), (86, 27466), (90, 27499), (91, 27505), (95, 27523),

Gene: Oatly_41 Start: 39187, Stop: 39630, Start Num: 30

Candidate Starts for Oatly_41:

(1, 38725), (2, 38782), (3, 38815), (6, 38878), (8, 38890), (9, 38914), (10, 38935), (11, 38938), (12, 38941), (15, 38965), (17, 38992), (23, 39139), (29, 39184), (Start: 30 @39187 has 18 MA's), (66, 39364), (87, 39490), (90, 39520), (97, 39559),

Gene: Pabst_39 Start: 39251, Stop: 39694, Start Num: 30

Candidate Starts for Pabst_39:

(Start: 30 @39251 has 18 MA's), (42, 39293), (87, 39554), (90, 39584), (97, 39623),

Gene: Padfoot_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Padfoot_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: Padpat_33 Start: 27774, Stop: 28118, Start Num: 28

Candidate Starts for Padpat_33:

(Start: 28 @27774 has 80 MA's), (Start: 31 @27780 has 16 MA's), (Start: 37 @27792 has 2 MA's), (41, 27813), (76, 27999), (85, 28047), (86, 28050), (90, 28083), (93, 28104), (94, 28107),

Gene: Pavlo_58 Start: 35417, Stop: 35893, Start Num: 26
Candidate Starts for Pavlo_58:
(Start: 26 @35417 has 7 MA's), (42, 35486), (100, 35870),

Gene: Peel_33 Start: 27814, Stop: 28158, Start Num: 28
Candidate Starts for Peel_33:
(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: Pharb_32 Start: 27941, Stop: 28288, Start Num: 31
Candidate Starts for Pharb_32:
(19, 27815), (Start: 31 @27941 has 16 MA's), (46, 27992), (62, 28079), (81, 28196), (82, 28199), (85, 28214), (86, 28217), (90, 28250), (91, 28256), (95, 28274),

Gene: PhillyPhilly_58 Start: 34951, Stop: 35427, Start Num: 26
Candidate Starts for PhillyPhilly_58:
(Start: 26 @34951 has 7 MA's), (42, 35020), (92, 35329), (100, 35404),

Gene: Phogo_40 Start: 39527, Stop: 39925, Start Num: 32
Candidate Starts for Phogo_40:
(Start: 32 @39527 has 12 MA's), (42, 39563), (75, 39752), (78, 39773),

Gene: Piatt_33 Start: 27814, Stop: 28158, Start Num: 28
Candidate Starts for Piatt_33:
(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: PineapplePluto_42 Start: 39549, Stop: 39992, Start Num: 30
Candidate Starts for PineapplePluto_42:
(1, 39087), (2, 39144), (3, 39177), (6, 39240), (8, 39252), (9, 39276), (10, 39297), (11, 39300), (12, 39303), (15, 39327), (17, 39354), (23, 39501), (29, 39546), (Start: 30 @39549 has 18 MA's), (66, 39726), (87, 39852), (90, 39882), (97, 39921),

Gene: Pisa1_32 Start: 27815, Stop: 28153, Start Num: 31
Candidate Starts for Pisa1_32:
(Start: 28 @27809 has 80 MA's), (Start: 31 @27815 has 16 MA's), (Start: 37 @27827 has 2 MA's), (41, 27848), (56, 27923), (76, 28034), (85, 28082), (86, 28085), (90, 28118), (93, 28139), (94, 28142),

Gene: Pisa4_32 Start: 27809, Stop: 28153, Start Num: 28
Candidate Starts for Pisa4_32:
(Start: 28 @27809 has 80 MA's), (Start: 31 @27815 has 16 MA's), (Start: 37 @27827 has 2 MA's), (41, 27848), (56, 27923), (76, 28034), (85, 28082), (86, 28085), (90, 28118), (93, 28139), (94, 28142),

Gene: Pixie_33 Start: 28180, Stop: 28527, Start Num: 31
Candidate Starts for Pixie_33:
(Start: 31 @28180 has 16 MA's), (62, 28318), (81, 28435), (82, 28438), (85, 28453), (86, 28456), (89, 28480), (91, 28495), (95, 28513),

Gene: Pokerus_32 Start: 27731, Stop: 28075, Start Num: 28
Candidate Starts for Pokerus_32:
(Start: 28 @27731 has 80 MA's), (Start: 31 @27737 has 16 MA's), (Start: 37 @27749 has 2 MA's), (41, 27770), (76, 27956), (85, 28004), (86, 28007), (90, 28040), (93, 28061), (94, 28064),

Gene: Prithvi_33 Start: 27747, Stop: 28088, Start Num: 28

Candidate Starts for Prithvi_33:

(Start: 28 @27747 has 80 MA's), (47, 27810), (60, 27873), (73, 27960), (74, 27963), (77, 27981), (79, 27987), (93, 28074), (94, 28077),

Gene: QuincyRose_32 Start: 27803, Stop: 28147, Start Num: 28

Candidate Starts for QuincyRose_32:

(19, 27668), (Start: 28 @27803 has 80 MA's), (Start: 31 @27809 has 16 MA's), (36, 27818), (Start: 37 @27821 has 2 MA's), (41, 27842), (76, 28028), (77, 28040), (85, 28076), (86, 28079), (90, 28112), (93, 28133), (94, 28136),

Gene: Ramen_33 Start: 27780, Stop: 28124, Start Num: 28

Candidate Starts for Ramen_33:

(Start: 28 @27780 has 80 MA's), (Start: 31 @27786 has 16 MA's), (Start: 37 @27798 has 2 MA's), (41, 27819), (76, 28005), (85, 28053), (86, 28056), (90, 28089), (93, 28110), (94, 28113),

Gene: Rando14_33 Start: 27209, Stop: 27553, Start Num: 28

Candidate Starts for Rando14_33:

(Start: 28 @27209 has 80 MA's), (36, 27224), (39, 27239), (46, 27269), (48, 27281), (50, 27287), (56, 27323), (58, 27332), (59, 27335), (68, 27377), (85, 27482), (86, 27485), (90, 27518), (91, 27524), (93, 27539),

Gene: Rapunzel97_33 Start: 27781, Stop: 28125, Start Num: 28

Candidate Starts for Rapunzel97_33:

(Start: 28 @27781 has 80 MA's), (Start: 31 @27787 has 16 MA's), (Start: 37 @27799 has 2 MA's), (41, 27820), (76, 28006), (85, 28054), (86, 28057), (90, 28090), (93, 28111), (94, 28114),

Gene: Roman_59 Start: 35418, Stop: 35894, Start Num: 26

Candidate Starts for Roman_59:

(Start: 26 @35418 has 7 MA's), (42, 35487), (53, 35535), (100, 35871),

Gene: Rosmarinus_33 Start: 27802, Stop: 28146, Start Num: 28

Candidate Starts for Rosmarinus_33:

(Start: 28 @27802 has 80 MA's), (Start: 31 @27808 has 16 MA's), (Start: 37 @27820 has 2 MA's), (41, 27841), (76, 28027), (85, 28075), (86, 28078), (90, 28111), (93, 28132), (94, 28135),

Gene: Salvatore2000_40 Start: 41104, Stop: 41541, Start Num: 30

Candidate Starts for Salvatore2000_40:

(Start: 27 @41086 has 1 MA's), (Start: 30 @41104 has 18 MA's), (41, 41137), (72, 41332), (90, 41431), (96, 41458),

Gene: SamuelLPlaqson_33 Start: 27706, Stop: 28068, Start Num: 28

Candidate Starts for SamuelLPlaqson_33:

(Start: 28 @27706 has 80 MA's), (42, 27763), (62, 27868), (81, 27964), (85, 27982), (86, 27985), (90, 28018), (93, 28039), (95, 28042),

Gene: Saradis_59 Start: 35010, Stop: 35486, Start Num: 26

Candidate Starts for Saradis_59:

(Start: 26 @35010 has 7 MA's), (42, 35079), (92, 35388), (100, 35463),

Gene: Scruffy_36 Start: 42548, Stop: 42976, Start Num: 30

Candidate Starts for Scruffy_36:

(9, 42275), (12, 42302), (23, 42500), (29, 42545), (Start: 30 @42548 has 18 MA's), (66, 42725), (90, 42881),

Gene: SgtBeansprout_29 Start: 27202, Stop: 27549, Start Num: 33

Candidate Starts for SgtBeansprout_29:

(Start: 33 @27202 has 24 MA's), (36, 27217), (40, 27235), (44, 27259), (51, 27283), (62, 27349), (81, 27445), (82, 27448), (85, 27463), (86, 27466), (90, 27499), (91, 27505), (95, 27523),

Gene: ShedlockHolmes_34 Start: 28702, Stop: 29049, Start Num: 31

Candidate Starts for ShedlockHolmes_34:

(14, 28492), (16, 28519), (19, 28570), (Start: 31 @28702 has 16 MA's), (46, 28753), (52, 28777), (81, 28957), (82, 28960), (85, 28975), (86, 28978), (91, 29017), (95, 29035),

Gene: ShiaSurprise_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for ShiaSurprise_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: SirPhilip_32 Start: 26577, Stop: 26924, Start Num: 33

Candidate Starts for SirPhilip_32:

(13, 26346), (16, 26376), (Start: 33 @26577 has 24 MA's), (62, 26727), (81, 26823), (82, 26826), (85, 26841), (86, 26844), (90, 26877), (91, 26883), (93, 26898), (95, 26901),

Gene: Slimphazie_33 Start: 27781, Stop: 28125, Start Num: 28

Candidate Starts for Slimphazie_33:

(Start: 28 @27781 has 80 MA's), (Start: 31 @27787 has 16 MA's), (Start: 37 @27799 has 2 MA's), (41, 27820), (76, 28006), (85, 28054), (86, 28057), (90, 28090), (93, 28111), (94, 28114),

Gene: Solimine_59 Start: 35424, Stop: 35900, Start Num: 26

Candidate Starts for Solimine_59:

(Start: 26 @35424 has 7 MA's), (42, 35493), (100, 35877),

Gene: Sorvannah_40 Start: 41104, Stop: 41541, Start Num: 30

Candidate Starts for Sorvannah_40:

(Start: 27 @41086 has 1 MA's), (Start: 30 @41104 has 18 MA's), (41, 41137), (72, 41332), (90, 41431), (96, 41458),

Gene: Spock_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Spock_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: Stinson_34 Start: 28016, Stop: 28360, Start Num: 28

Candidate Starts for Stinson_34:

(Start: 28 @28016 has 80 MA's), (Start: 31 @28022 has 16 MA's), (Start: 37 @28034 has 2 MA's), (41, 28055), (76, 28241), (85, 28289), (86, 28292), (90, 28325), (93, 28346), (94, 28349),

Gene: Stormbreaker_40 Start: 39615, Stop: 40013, Start Num: 32

Candidate Starts for Stormbreaker_40:

(Start: 32 @39615 has 12 MA's), (75, 39840), (78, 39861),

Gene: Sulley_33 Start: 27753, Stop: 28091, Start Num: 31

Candidate Starts for Sulley_33:

(Start: 28 @27747 has 80 MA's), (Start: 31 @27753 has 16 MA's), (Start: 37 @27765 has 2 MA's), (41, 27786), (76, 27972), (85, 28020), (86, 28023), (90, 28056), (93, 28077), (94, 28080),

Gene: SwissCheezer_39 Start: 39267, Stop: 39665, Start Num: 32

Candidate Starts for SwissCheezer_39:

(Start: 32 @39267 has 12 MA's), (42, 39303), (75, 39492), (78, 39513),

Gene: Syra333_33 Start: 26959, Stop: 27312, Start Num: 33

Candidate Starts for Syra333_33:

(Start: 33 @26959 has 24 MA's), (36, 26974), (41, 26998), (62, 27106), (79, 27190), (81, 27202), (82, 27205), (83, 27211), (85, 27220), (86, 27223), (90, 27256), (91, 27262), (95, 27280),

Gene: TBond007_33 Start: 28179, Stop: 28526, Start Num: 31

Candidate Starts for TBond007_33:

(14, 27969), (16, 27996), (19, 28047), (Start: 31 @28179 has 16 MA's), (62, 28317), (81, 28434), (82, 28437), (85, 28452), (86, 28455), (89, 28479), (91, 28494), (95, 28512),

Gene: Tachez_33 Start: 27743, Stop: 28087, Start Num: 28

Candidate Starts for Tachez_33:

(Start: 28 @27743 has 80 MA's), (Start: 31 @27749 has 16 MA's), (Start: 37 @27761 has 2 MA's), (41, 27782), (76, 27968), (85, 28016), (86, 28019), (90, 28052), (93, 28073), (94, 28076),

Gene: TaiwanKao_34 Start: 27747, Stop: 28088, Start Num: 28

Candidate Starts for TaiwanKao_34:

(Start: 28 @27747 has 80 MA's), (47, 27810), (60, 27873), (73, 27960), (74, 27963), (77, 27981), (79, 27987), (93, 28074), (94, 28077),

Gene: Teejan_29 Start: 27202, Stop: 27549, Start Num: 33

Candidate Starts for Teejan_29:

(Start: 33 @27202 has 24 MA's), (36, 27217), (40, 27235), (44, 27259), (51, 27283), (62, 27349), (81, 27445), (82, 27448), (85, 27463), (86, 27466), (90, 27499), (91, 27505), (95, 27523),

Gene: TicTac_41 Start: 39548, Stop: 39991, Start Num: 30

Candidate Starts for TicTac_41:

(1, 39086), (2, 39143), (3, 39176), (6, 39239), (8, 39251), (9, 39275), (10, 39296), (11, 39299), (12, 39302), (15, 39326), (17, 39353), (23, 39500), (29, 39545), (Start: 30 @39548 has 18 MA's), (66, 39725), (87, 39851), (90, 39881), (97, 39920),

Gene: TingHuaYa_33 Start: 26915, Stop: 27259, Start Num: 28

Candidate Starts for TingHuaYa_33:

(Start: 28 @26915 has 80 MA's), (76, 27140), (85, 27188), (86, 27191), (90, 27224), (93, 27245), (94, 27248),

Gene: TiniBug_33 Start: 27702, Stop: 28064, Start Num: 28

Candidate Starts for TiniBug_33:

(Start: 28 @27702 has 80 MA's), (42, 27759), (62, 27864), (81, 27960), (85, 27978), (86, 27981), (90, 28014), (95, 28038), (98, 28053),

Gene: TinyTimothy_39 Start: 41104, Stop: 41541, Start Num: 30

Candidate Starts for TinyTimothy_39:

(Start: 27 @41086 has 1 MA's), (Start: 30 @41104 has 18 MA's), (41, 41137), (72, 41332), (90, 41431), (96, 41458),

Gene: Tiri_33 Start: 27795, Stop: 28139, Start Num: 28

Candidate Starts for Tiri_33:

(19, 27660), (Start: 28 @27795 has 80 MA's), (Start: 37 @27813 has 2 MA's), (41, 27834), (62, 27933), (76, 28020), (85, 28068), (86, 28071), (90, 28104), (93, 28125), (94, 28128),

Gene: Topper_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Topper_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: Torres_29 Start: 27202, Stop: 27549, Start Num: 33

Candidate Starts for Torres_29:

(Start: 33 @27202 has 24 MA's), (36, 27217), (40, 27235), (44, 27259), (51, 27283), (62, 27349), (81, 27445), (82, 27448), (85, 27463), (86, 27466), (90, 27499), (91, 27505), (95, 27523),

Gene: TownLake_38 Start: 39395, Stop: 39793, Start Num: 30

Candidate Starts for TownLake_38:

(20, 39299), (24, 39356), (25, 39365), (Start: 30 @39395 has 18 MA's), (42, 39434), (75, 39620), (78, 39641), (85, 39674), (94, 39734),

Gene: TreyKay_33 Start: 27747, Stop: 28088, Start Num: 28

Candidate Starts for TreyKay_33:

(Start: 28 @27747 has 80 MA's), (47, 27810), (60, 27873), (73, 27960), (74, 27963), (77, 27981), (79, 27987), (93, 28074), (94, 28077),

Gene: TribbleTrouble_32 Start: 28236, Stop: 28583, Start Num: 31

Candidate Starts for TribbleTrouble_32:

(Start: 31 @28236 has 16 MA's), (51, 28308), (81, 28491), (82, 28494), (85, 28509), (86, 28512), (89, 28536), (91, 28551), (95, 28569),

Gene: Trice_29 Start: 27202, Stop: 27549, Start Num: 33

Candidate Starts for Trice_29:

(Start: 33 @27202 has 24 MA's), (36, 27217), (40, 27235), (44, 27259), (51, 27283), (62, 27349), (81, 27445), (82, 27448), (85, 27463), (86, 27466), (90, 27499), (91, 27505), (95, 27523),

Gene: TruffulaTree_33 Start: 27777, Stop: 28121, Start Num: 28

Candidate Starts for TruffulaTree_33:

(Start: 28 @27777 has 80 MA's), (Start: 31 @27783 has 16 MA's), (Start: 37 @27795 has 2 MA's), (41, 27816), (76, 28002), (85, 28050), (86, 28053), (90, 28086), (93, 28107), (94, 28110),

Gene: Twitch_33 Start: 27814, Stop: 28158, Start Num: 28

Candidate Starts for Twitch_33:

(Start: 28 @27814 has 80 MA's), (Start: 31 @27820 has 16 MA's), (Start: 37 @27832 has 2 MA's), (41, 27853), (76, 28039), (85, 28087), (86, 28090), (90, 28123), (93, 28144), (94, 28147),

Gene: Unphazed_40 Start: 39491, Stop: 39889, Start Num: 32

Candidate Starts for Unphazed_40:

(Start: 32 @39491 has 12 MA's), (42, 39527), (75, 39716), (78, 39737),

Gene: Urkel_33 Start: 27706, Stop: 28068, Start Num: 28

Candidate Starts for Urkel_33:

(Start: 28 @27706 has 80 MA's), (42, 27763), (62, 27868), (81, 27964), (85, 27982), (86, 27985), (90, 28018), (93, 28039), (95, 28042),

Gene: Uterion_61 Start: 35519, Stop: 35995, Start Num: 26

Candidate Starts for Uterion_61:

(Start: 26 @35519 has 7 MA's), (42, 35588), (100, 35972),

Gene: Veliki_33 Start: 27817, Stop: 28161, Start Num: 28

Candidate Starts for Veliki_33:

(Start: 28 @27817 has 80 MA's), (Start: 31 @27823 has 16 MA's), (Start: 37 @27835 has 2 MA's), (41, 27856), (76, 28042), (85, 28090), (86, 28093), (90, 28126), (93, 28147), (94, 28150),

Gene: Wesak_40 Start: 40946, Stop: 41383, Start Num: 30

Candidate Starts for Wesak_40:

(Start: 27 @40928 has 1 MA's), (Start: 30 @40946 has 18 MA's), (41, 40979), (72, 41174), (90, 41273), (96, 41300),

Gene: Wolfstar_60 Start: 36460, Stop: 36939, Start Num: 26

Candidate Starts for Wolfstar_60:

(Start: 26 @36460 has 7 MA's), (45, 36547), (57, 36631), (62, 36649), (63, 36661), (65, 36667), (67, 36673), (70, 36694), (71, 36706), (78, 36757), (80, 36766), (88, 36808), (90, 36829), (94, 36853), (100, 36913),

Gene: Xitlalli_38 Start: 39492, Stop: 39890, Start Num: 32

Candidate Starts for Xitlalli_38:

(Start: 32 @39492 has 12 MA's), (42, 39528), (75, 39717), (78, 39738),

Gene: YellowPanda_42 Start: 40809, Stop: 41264, Start Num: 27

Candidate Starts for YellowPanda_42:

(Start: 27 @40809 has 1 MA's), (Start: 30 @40827 has 18 MA's), (41, 40860), (72, 41055), (90, 41154), (96, 41181),

Gene: YoureAdopted_32 Start: 27750, Stop: 28094, Start Num: 28

Candidate Starts for YoureAdopted_32:

(Start: 28 @27750 has 80 MA's), (Start: 31 @27756 has 16 MA's), (Start: 37 @27768 has 2 MA's), (41, 27789), (76, 27975), (85, 28023), (86, 28026), (90, 28059), (93, 28080), (94, 28083),

Gene: Yuna_34 Start: 27546, Stop: 27893, Start Num: 33

Candidate Starts for Yuna_34:

(Start: 33 @27546 has 24 MA's), (40, 27582), (49, 27624), (51, 27630), (62, 27696), (81, 27792), (82, 27795), (85, 27810), (86, 27813), (90, 27846), (91, 27852), (95, 27870),

Gene: Yunkel11_33 Start: 27047, Stop: 27409, Start Num: 28

Candidate Starts for Yunkel11_33:

(16, 26858), (Start: 28 @27047 has 80 MA's), (42, 27104), (48, 27134), (59, 27197), (62, 27209), (68, 27239), (81, 27305), (82, 27308), (85, 27323), (86, 27326), (90, 27359), (95, 27383),

Gene: Zabiza_33 Start: 27781, Stop: 28125, Start Num: 28

Candidate Starts for Zabiza_33:

(Start: 28 @27781 has 80 MA's), (Start: 31 @27787 has 16 MA's), (Start: 37 @27799 has 2 MA's), (41, 27820), (76, 28006), (85, 28054), (86, 28057), (90, 28090), (93, 28111), (94, 28114),

Gene: Zavala_33 Start: 27756, Stop: 28100, Start Num: 28

Candidate Starts for Zavala_33:

(Start: 28 @27756 has 80 MA's), (Start: 31 @27762 has 16 MA's), (Start: 37 @27774 has 2 MA's), (41, 27795), (76, 27981), (85, 28029), (86, 28032), (90, 28065), (93, 28086), (94, 28089),