

Pham 296265



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 296265 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296265 has 196 members, 18 are drafts.

Phages represented in each track:

- Track 1 : Angelique_50
- Track 2 : EnalisNailo_46
- Track 3 : Confidence_49, Hyzer_55, BoyNamedSue_50, SushiChef_47, AlumE_50, Bunnybear_43
- Track 4 : Lilas_49, Bradissa_47
- Track 5 : Jablanski_51, Pytheas_51
- Track 6 : Posh_54
- Track 7 : LonelyBoi_48
- Track 8 : Pepperoni_40
- Track 9 : ThankyouJordi_49, WelcomeAyanna_49
- Track 10 : Neobush_50, Antonio_50, Kita_51, Manasvini_51, Trumpet_50, Polly_47, Yeet412_45, LordFarquaad_47, Eudoria_50, Zirinka_47, SoilAssassin_45, EdnaMode_44, Pickett_43, Attis_45, Tayonia_50, Susceptit_50, Zameen_50, Bialota_48
- Track 11 : Bosnia_51, Sahara_48, Matteo_42, Jalleen_49
- Track 12 : Madavieve_45, Wrigley_55
- Track 13 : Eviarto_51, Herod_50, BatStarr_50, Nymphadora_51, TimTam_51, Hugley_47
- Track 14 : Agueybana_52
- Track 15 : Maridalia_51
- Track 16 : TuertoX_49, Sproutie_49, Bjanes7_46, Ebert_51, Haley23_49, Savage_49, Nettuno_45, Clap_49, Lamberg_45, GemG_49, Yinzer_49, Whiteclaw_49, Gizermo_49, Mocha12_49, Cynthia_49
- Track 17 : Faith5x5_39
- Track 18 : Morkie_45, OneDirection_40
- Track 19 : PhorbesPhlower_45, InLimbo_45
- Track 20 : MakCheese_60
- Track 21 : Padfoot_45, ActinUp_45, Llorens_45, Topper_45, Beezoo_47, Jayhawk_46, BarrelRoll_45, Ramen_45, Dalmuri_45, CaseJules_46, Joy99_45, Jeckyll_45, AlishaPH_45, Rosmarinus_45, Prithvi_46, CREW_45, Geraldini_47, BaghaKamala_44, Boiiii_45, BGlluviae_45, MacKat_40, Apocalypse_48, Asayake_45, CheetoDust_44, Bern_46, Blizzard_45, Atiba_45, Veliki_45, Rapunzel97_45, BEEST_45, Adephegia_45, Zavala_46, Zabiza_40, Mynx_46, Homura_45, Pokerus_44, Inky_45, Padpat_46, JAWS_45, Lunahalos_45, Spock_45, TreyKay_46, Capricorn_45, Anaya_47, Hyperbowlee_45, HedwigODU_45, MeaningOfLife_46, Tiri_46, Ganymede_46, Deby_45, QuincyRose_44, CallaLilly_45, ShiaSurprise_46, Durfee_45, YoureAdopted_44, Piatt_45, TruffulaTree_45,

Sulley_45, Angelica_45, Tachez_45, Chavito_48, Clipper_48, Belladonna_45, Jarvi_45, Twitch_45, Adonis_45, Peel_45, Emerson_46, Slimphazie_45

- Track 22 : LeMond_49, Scarlett_49
- Track 23 : Efra2_47, Yunkel11_47, Guanica15_47
- Track 24 : Devera_49, Illumine_48, Dole_48
- Track 25 : Validus_49
- Track 26 : Nutello_40, Amelie_40, Nikao_43, LilPharaoh_40, SgtBeansprout_40, Torres_43, Binglebops_40, Mdavu_41
- Track 27 : Megsy_46, ZoeJ_47, TaiwanKao_47
- Track 28 : DartGoblin_47, Pisa4_39, Bella96_46, Anma_47, Urkel_46, Pisa1_45, SamuelLPlaqson_46, TiniBug_46, DrHayes_46
- Track 29 : LaterM_46, Ageofdapage_47, Stinson_46, Murucutumbu_46
- Track 30 : Dartin_47, McMater_47, Richo_47
- Track 31 : Chris_47
- Track 32 : KiSi_49
- Track 33 : Nibb_47
- Track 34 : Oscar_49
- Track 35 : Niklas_47, Shaobing_47, Peanam_47
- Track 36 : MarkPhew_48
- Track 37 : CrimD_45
- Track 38 : TM4_43
- Track 39 : Findley_48, Strobilo_48, Milly_48
- Track 40 : Doughnut_48, BoostSeason_48, Mufasa_48
- Track 41 : DismalStressor_48, Marcoliusprime_48, DismalFunk_48
- Track 42 : Marshawn_48
- Track 43 : TClif_49

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

The start number called the most often in the published annotations is 10, it was called in 175 of the 178 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ActinUp_45, Adephegia_45, Adonis_45, Ageofdapage_47, Agueybana_52, AlishaPH_45, AlumE_50, Amelie_40, Anaya_47, Angelica_45, Angelique_50, Anma_47, Antonio_50, Apocalypse_48, Asayake_45, Atiba_45, Attis_45, BEEST_45, BGlluviae_45, BaghaKamala_44, BarrelRoll_45, BatStarr_50, Beezoo_47, Bella96_46, Belladonna_45, Bern_46, Bialota_48, Binglebops_40, Bjanes7_46, Blizzard_45, Boiiii_45, BoostSeason_48, Bosnia_51, BoyNamedSue_50, Bradissa_47, Bunnybear_43, CREW_45, CallaLilly_45, Capricorn_45, CaseJules_46, Chavito_48, CheetoDust_44, Chris_47, Clap_49, Clipper_48, Confidence_49, CrimD_45, Cynthia_49, Dalmuri_45, DartGoblin_47, Dartin_47, Deby_45, Devera_49, DismalFunk_48, DismalStressor_48, Dole_48, Doughnut_48, DrHayes_46, Durfee_45, Ebert_51, EdnaMode_44, Emerson_46, EnalisNailo_46, Eudoria_50, Eviarto_51, Faith5x5_39, Findley_48, Ganymede_46, GemG_49, Geraldini_47, Gizermo_49, Haley23_49, HedwigODU_45, Herod_50, Homura_45, Hugley_47, Hyperbowlee_45, Hyzer_55, Illumine_48, InLimbo_45, Inky_45, JAWS_45, Jablanski_51, Jalleen_49, Jarvi_45, Jayhawk_46, Jeckyll_45, Joy99_45, KiSi_49, Kita_51, Lamberg_45, LaterM_46, LeMond_49, LilPharaoh_40, Lilas_49, Llorens_45, LonelyBoi_48, LordFarquaad_47, Lunahalos_45, MacKat_40, Madavieve_45,

MakCheese_60, Manasvini_51, Marcoliusprime_48, Maridalia_51, MarkPhew_48, Marshawn_48, Matteo_42, McMater_47, Mdavu_41, MeaningOfLife_46, Megsy_46, Milly_48, Mocha12_49, Morkie_45, Mufasa_48, Murucutumbu_46, Mynx_46, Neobush_50, Nettuno_45, Nibb_47, Nikao_43, Niklas_47, Nutello_40, Nymphadora_51, OneDirection_40, Oscar_49, Padfoot_45, Padpat_46, Peanam_47, Peel_45, Pepperoni_40, PhorbesPhlower_45, Piatt_45, Pickett_43, Pisa1_45, Pisa4_39, Pokerus_44, Polly_47, Posh_54, Prithvi_46, Pytheas_51, QuincyRose_44, Ramen_45, Rapunzel97_45, Richo_47, Rosmarinus_45, Sahara_48, SamuelLPlaqson_46, Savage_49, Scarlett_49, SgtBeansprout_40, Shaobing_47, ShiaSurprise_46, Slimphazie_45, SoilAssassin_45, Spock_45, Sproutie_49, Stinson_46, Strobilo_48, Sulley_45, Suscepit_50, SushiChef_47, TClif_49, TM4_43, Tachez_45, TaiwanKao_47, Tayonia_50, ThankyouJordi_49, TimTam_51, TiniBug_46, Tiri_46, Topper_45, Torres_43, TreyKay_46, TruffulaTree_45, Trumpet_50, TuertoX_49, Twitch_45, Urkel_46, Validus_49, Veliki_45, WelcomeAyanna_49, Whiteclaw_49, Wrigley_55, Yeet412_45, Yinzer_49, YoureAdopted_44, Zabiza_40, Zameen_50, Zavala_46, Zirinka_47, ZoeJ_47,

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

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

- Efra2_47, Guanica15_47, Yunkel11_47,

Summary by start number:

Start 9:

- Found in 3 of 196 (1.5%) of genes in pham
- Manual Annotations of this start: 3 of 178
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Efra2_47 (K1), Guanica15_47 (K1), Yunkel11_47 (K1),

Start 10:

- Found in 193 of 196 (98.5%) of genes in pham
- Manual Annotations of this start: 175 of 178
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ActinUp_45 (K1), Adephagia_45 (K1), Adonis_45 (K1), Ageofdapage_47 (K1), Agueybana_52 (CZ1), AlishaPH_45 (K1), AlumE_50 (CZ1), Amelie_40 (K1), Anaya_47 (K1), Angelica_45 (K1), Angelique_50 (CY1), Anma_47 (K1), Antonio_50 (CZ1), Apocalypse_48 (K1), Asayake_45 (K1), Atiba_45 (K1), Attis_45 (CZ2), BEEST_45 (K1), BGlluviae_45 (K1), BaghaKamala_44 (K1), BarrelRoll_45 (K1), BatStarr_50 (CZ1), Beezoo_47 (K1), Bella96_46 (K1), Belladonna_45 (K1), Bern_46 (K1), Bialota_48 (CZ1), Binglebops_40 (K1), Bjanes7_46 (CZ2), Blizzard_45 (K1), Boiiii_45 (K1), BoostSeason_48 (K2), Bosnia_51 (CZ1), BoyNamedSue_50 (CZ1), Bradissa_47 (CY1), Bunnybear_43 (CZ), CREW_45 (K1), CallaLilly_45 (K1), Capricorn_45 (K1), CaseJules_46 (K1), Chavito_48 (K1), CheetoDust_44 (K1), Chris_47 (K1), Clap_49 (CZ2), Clipper_48 (K1), Confidence_49 (CY1), CrimD_45 (K1), Cynthia_49 (CZ2), Dalmuri_45 (K1), DartGoblin_47 (K1), Dartin_47 (K1), Deby_45 (K1), Devera_49 (K1), DismalFunk_48 (K2), DismalStressor_48 (K2), Dole_48 (K1), Doughnut_48 (K2), DrHayes_46 (K1), Durfee_45 (K1), Ebert_51 (CZ2), EdnaMode_44 (CZ2), Emerson_46 (K1), EnalisNailo_46 (CY1), Eudoria_50 (CZ1), Eviarto_51 (CZ1), Faith5x5_39 (CZ6), Findley_48 (K2), Ganymede_46 (K1), GemG_49 (CZ2), Geraldini_47 (K1),

Gizermo_49 (CZ2), Haley23_49 (CZ2), HedwigODU_45 (K1), Herod_50 (CZ1), Homura_45 (K1), Hugley_47 (CZ1), Hyperbowlee_45 (K1), Hyzer_55 (CZ1), Illumine_48 (K1), InLimbo_45 (DH), Inky_45 (K1), JAWS_45 (K1), Jablanski_51 (CY3), Jalleen_49 (CZ2), Jarvi_45 (K1), Jayhawk_46 (K1), Jeckyll_45 (K1), Joy99_45 (K1), KiSi_49 (K1), Kita_51 (CZ1), Lamberg_45 (CZ2), LaterM_46 (K1), LeMond_49 (K1), LilPharaoh_40 (K1), Lilas_49 (CY1), Llorens_45 (K1), LonelyBoi_48 (CY7), LordFarquaad_47 (CZ2), Lunahalos_45 (K1), MacKat_40 (K1), Madavieve_45 (CZ1), MakCheese_60 (DW), Manasvini_51 (CZ1), Marcoliusprime_48 (K2), Maridalia_51 (CZ1), MarkPhew_48 (K1), Marshawn_48 (K6), Matteo_42 (CZ2), McMater_47 (K1), Mdavu_41 (K1), MeaningOfLife_46 (K1), Megsy_46 (K1), Milly_48 (K2), Mocha12_49 (CZ2), Morkie_45 (DH), Mufasa_48 (K2), Murucutumbu_46 (K1), Mynx_46 (K1), Neobush_50 (CZ1), Nettuno_45 (CZ2), Nibb_47 (K1), Nikao_43 (K1), Niklas_47 (K1), Nutello_40 (K1), Nymphadora_51 (CZ1), OneDirection_40 (CZ6), Oscar_49 (K1), Padfoot_45 (K1), Padpat_46 (K1), Peanam_47 (K1), Peel_45 (K1), Pepperoni_40 (CZ), PhorbessPhlower_45 (DH), Piatt_45 (K1), Pickett_43 (CZ2), Pisa1_45 (K1), Pisa4_39 (K1), Pokerus_44 (K1), Polly_47 (CZ1), Posh_54 (CY4), Prithvi_46 (K1), Pytheas_51 (CY3), QuincyRose_44 (K1), Ramen_45 (K1), Rapunzel97_45 (K1), Richo_47 (K1), Rosmarinus_45 (K1), Sahara_48 (CZ2), SamuelLPlaqson_46 (K1), Savage_49 (CZ2), Scarlett_49 (K1), SgtBeansprout_40 (K1), Shaobing_47 (K1), ShiaSurprise_46 (K1), Slimphazie_45 (K1), SoilAssassin_45 (CZ2), Spock_45 (K1), Sproutie_49 (CZ2), Stinson_46 (K1), Strobilo_48 (K2), Sulley_45 (K1), Suscepit_50 (CZ1), SushiChef_47 (CZ), TClif_49 (K6), TM4_43 (K2), Tachez_45 (K1), TaiwanKao_47 (K1), Tayonia_50 (CZ1), ThankyouJordi_49 (CZ1), TimTam_51 (CZ1), TiniBug_46 (K1), Tiri_46 (K1), Topper_45 (K1), Torres_43 (K1), TreyKay_46 (K1), TruffulaTree_45 (K1), Trumpet_50 (CZ1), TuertoX_49 (CZ2), Twitch_45 (K1), Urkel_46 (K1), Validus_49 (K1), Veliki_45 (K1), WelcomeAyanna_49 (CZ1), Whiteclaw_49 (CZ2), Wrigley_55 (CY4), Yeet412_45 (CZ2), Yinzer_49 (CZ2), YoureAdopted_44 (K1), Zabiza_40 (K1), Zameen_50 (CZ1), Zavala_46 (K1), Zirinka_47 (CZ1), ZoeJ_47 (K2),

Summary by clusters:

There are 13 clusters represented in this pham: CY3, CY1, CY7, DH, CY4, CZ2, CZ1, CZ6, CZ, K1, K6, DW, K2,

Info for manual annotations of cluster CY1:

- Start number 10 was manually annotated 5 times for cluster CY1.

Info for manual annotations of cluster CY3:

- Start number 10 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 10 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY7:

- Start number 10 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster CZ:

- Start number 10 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 10 was manually annotated 24 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 10 was manually annotated 22 times for cluster CZ2.

Info for manual annotations of cluster CZ6:

- Start number 10 was manually annotated 2 times for cluster CZ6.

Info for manual annotations of cluster DH:

- Start number 10 was manually annotated 2 times for cluster DH.

Info for manual annotations of cluster K1:

- Start number 9 was manually annotated 3 times for cluster K1.
- Start number 10 was manually annotated 101 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 10 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K6:

- Start number 10 was manually annotated 2 times for cluster K6.

Gene Information:

Gene: ActinUp_45 Start: 35398, Stop: 35664, Start Num: 10

Candidate Starts for ActinUp_45:

(Start: 10 @35398 has 175 MA's), (17, 35527),

Gene: Adephagia_45 Start: 35395, Stop: 35661, Start Num: 10

Candidate Starts for Adephagia_45:

(Start: 10 @35395 has 175 MA's), (17, 35524),

Gene: Adonis_45 Start: 35693, Stop: 35959, Start Num: 10

Candidate Starts for Adonis_45:

(Start: 10 @35693 has 175 MA's), (17, 35822),

Gene: Ageofdapage_47 Start: 36366, Stop: 36659, Start Num: 10

Candidate Starts for Ageofdapage_47:

(Start: 10 @36366 has 175 MA's), (17, 36495), (29, 36621),

Gene: Agueybana_52 Start: 38634, Stop: 38924, Start Num: 10

Candidate Starts for Agueybana_52:

(Start: 10 @38634 has 175 MA's), (14, 38670), (18, 38772), (22, 38832), (26, 38868), (27, 38880),

Gene: AlishaPH_45 Start: 35668, Stop: 35934, Start Num: 10

Candidate Starts for AlishaPH_45:

(Start: 10 @35668 has 175 MA's), (17, 35797),

Gene: AlumE_50 Start: 37134, Stop: 37424, Start Num: 10

Candidate Starts for AlumE_50:

(Start: 10 @37134 has 175 MA's), (14, 37170), (18, 37272), (20, 37311), (26, 37368), (27, 37380),

Gene: Amelie_40 Start: 34981, Stop: 35265, Start Num: 10

Candidate Starts for Amelie_40:
(Start: 10 @34981 has 175 MA's), (17, 35119),

Gene: Anaya_47 Start: 36005, Stop: 36271, Start Num: 10
Candidate Starts for Anaya_47:
(Start: 10 @36005 has 175 MA's), (17, 36134),

Gene: Angelica_45 Start: 35625, Stop: 35891, Start Num: 10
Candidate Starts for Angelica_45:
(Start: 10 @35625 has 175 MA's), (17, 35754),

Gene: Angelique_50 Start: 38349, Stop: 38639, Start Num: 10
Candidate Starts for Angelique_50:
(4, 38082), (Start: 10 @38349 has 175 MA's), (14, 38385), (18, 38487), (20, 38526), (26, 38583), (27, 38595),

Gene: Anma_47 Start: 36292, Stop: 36558, Start Num: 10
Candidate Starts for Anma_47:
(Start: 10 @36292 has 175 MA's), (17, 36421), (29, 36520),

Gene: Antonio_50 Start: 36407, Stop: 36697, Start Num: 10
Candidate Starts for Antonio_50:
(Start: 10 @36407 has 175 MA's), (14, 36443), (18, 36545), (20, 36584), (26, 36641), (27, 36653),

Gene: Apocalypse_48 Start: 36410, Stop: 36676, Start Num: 10
Candidate Starts for Apocalypse_48:
(Start: 10 @36410 has 175 MA's), (17, 36539),

Gene: Asayake_45 Start: 35710, Stop: 35976, Start Num: 10
Candidate Starts for Asayake_45:
(Start: 10 @35710 has 175 MA's), (17, 35839),

Gene: Atiba_45 Start: 35358, Stop: 35624, Start Num: 10
Candidate Starts for Atiba_45:
(Start: 10 @35358 has 175 MA's), (17, 35487),

Gene: Attis_45 Start: 33540, Stop: 33830, Start Num: 10
Candidate Starts for Attis_45:
(Start: 10 @33540 has 175 MA's), (14, 33576), (18, 33678), (20, 33717), (26, 33774), (27, 33786),

Gene: BEEST_45 Start: 35710, Stop: 35976, Start Num: 10
Candidate Starts for BEEST_45:
(Start: 10 @35710 has 175 MA's), (17, 35839),

Gene: BGlluviae_45 Start: 35513, Stop: 35779, Start Num: 10
Candidate Starts for BGlluviae_45:
(Start: 10 @35513 has 175 MA's), (17, 35642),

Gene: BaghaKamala_44 Start: 34833, Stop: 35099, Start Num: 10
Candidate Starts for BaghaKamala_44:
(Start: 10 @34833 has 175 MA's), (17, 34962),

Gene: BarrelRoll_45 Start: 35381, Stop: 35647, Start Num: 10

Candidate Starts for BarrelRoll_45:
(Start: 10 @35381 has 175 MA's), (17, 35510),

Gene: BatStarr_50 Start: 38377, Stop: 38667, Start Num: 10
Candidate Starts for BatStarr_50:
(Start: 10 @38377 has 175 MA's), (14, 38413), (18, 38515), (27, 38623),

Gene: Beezoo_47 Start: 36356, Stop: 36622, Start Num: 10
Candidate Starts for Beezoo_47:
(Start: 10 @36356 has 175 MA's), (17, 36485),

Gene: Bella96_46 Start: 36247, Stop: 36513, Start Num: 10
Candidate Starts for Bella96_46:
(Start: 10 @36247 has 175 MA's), (17, 36376), (29, 36475),

Gene: Belladonna_45 Start: 35513, Stop: 35779, Start Num: 10
Candidate Starts for Belladonna_45:
(Start: 10 @35513 has 175 MA's), (17, 35642),

Gene: Bern_46 Start: 34428, Stop: 34694, Start Num: 10
Candidate Starts for Bern_46:
(Start: 10 @34428 has 175 MA's), (17, 34557),

Gene: Bialota_48 Start: 37039, Stop: 37329, Start Num: 10
Candidate Starts for Bialota_48:
(Start: 10 @37039 has 175 MA's), (14, 37075), (18, 37177), (20, 37216), (26, 37273), (27, 37285),

Gene: Biglebops_40 Start: 34981, Stop: 35265, Start Num: 10
Candidate Starts for Biglebops_40:
(Start: 10 @34981 has 175 MA's), (17, 35119),

Gene: Bjaner7_46 Start: 33715, Stop: 34005, Start Num: 10
Candidate Starts for Bjaner7_46:
(2, 33439), (5, 33466), (6, 33487), (Start: 10 @33715 has 175 MA's), (13, 33739), (14, 33751), (18, 33853), (20, 33892), (26, 33949), (27, 33961),

Gene: Blizzard_45 Start: 35710, Stop: 35976, Start Num: 10
Candidate Starts for Blizzard_45:
(Start: 10 @35710 has 175 MA's), (17, 35839),

Gene: Boiiii_45 Start: 35712, Stop: 35978, Start Num: 10
Candidate Starts for Boiiii_45:
(Start: 10 @35712 has 175 MA's), (17, 35841),

Gene: BoostSeason_48 Start: 37105, Stop: 37362, Start Num: 10
Candidate Starts for BoostSeason_48:
(Start: 10 @37105 has 175 MA's), (17, 37234),

Gene: Bosnia_51 Start: 40079, Stop: 40369, Start Num: 10
Candidate Starts for Bosnia_51:
(2, 39803), (6, 39851), (Start: 10 @40079 has 175 MA's), (13, 40103), (14, 40115), (18, 40217), (20, 40256), (26, 40313), (27, 40325),

Gene: BoyNamedSue_50 Start: 37134, Stop: 37424, Start Num: 10
Candidate Starts for BoyNamedSue_50:
(Start: 10 @37134 has 175 MA's), (14, 37170), (18, 37272), (20, 37311), (26, 37368), (27, 37380),

Gene: Bradissa_47 Start: 37475, Stop: 37765, Start Num: 10
Candidate Starts for Bradissa_47:
(1, 37142), (3, 37205), (Start: 10 @37475 has 175 MA's), (14, 37511), (18, 37613), (27, 37721),

Gene: Bunnybear_43 Start: 34807, Stop: 35097, Start Num: 10
Candidate Starts for Bunnybear_43:
(Start: 10 @34807 has 175 MA's), (14, 34843), (18, 34945), (20, 34984), (26, 35041), (27, 35053),

Gene: CREW_45 Start: 35513, Stop: 35779, Start Num: 10
Candidate Starts for CREW_45:
(Start: 10 @35513 has 175 MA's), (17, 35642),

Gene: CallaLilly_45 Start: 35436, Stop: 35702, Start Num: 10
Candidate Starts for CallaLilly_45:
(Start: 10 @35436 has 175 MA's), (17, 35565),

Gene: Capricorn_45 Start: 35513, Stop: 35779, Start Num: 10
Candidate Starts for Capricorn_45:
(Start: 10 @35513 has 175 MA's), (17, 35642),

Gene: CaseJules_46 Start: 35710, Stop: 35976, Start Num: 10
Candidate Starts for CaseJules_46:
(Start: 10 @35710 has 175 MA's), (17, 35839),

Gene: Chavito_48 Start: 36764, Stop: 37048, Start Num: 10
Candidate Starts for Chavito_48:
(Start: 10 @36764 has 175 MA's), (17, 36902),

Gene: CheetoDust_44 Start: 34882, Stop: 35148, Start Num: 10
Candidate Starts for CheetoDust_44:
(Start: 10 @34882 has 175 MA's), (17, 35011),

Gene: Chris_47 Start: 36192, Stop: 36452, Start Num: 10
Candidate Starts for Chris_47:
(Start: 10 @36192 has 175 MA's), (14, 36231), (17, 36324), (19, 36366), (28, 36417),

Gene: Clap_49 Start: 33894, Stop: 34184, Start Num: 10
Candidate Starts for Clap_49:
(2, 33618), (5, 33645), (6, 33666), (Start: 10 @33894 has 175 MA's), (13, 33918), (14, 33930), (18, 34032), (20, 34071), (26, 34128), (27, 34140),

Gene: Clipper_48 Start: 36029, Stop: 36295, Start Num: 10
Candidate Starts for Clipper_48:
(Start: 10 @36029 has 175 MA's), (17, 36158),

Gene: Confidence_49 Start: 35366, Stop: 35653, Start Num: 10
Candidate Starts for Confidence_49:
(Start: 10 @35366 has 175 MA's), (14, 35402), (18, 35504), (20, 35543), (26, 35600), (27, 35612),

Gene: CrimD_45 Start: 35636, Stop: 35902, Start Num: 10
Candidate Starts for CrimD_45:
(Start: 10 @35636 has 175 MA's), (17, 35765), (23, 35840),

Gene: Cynthia_49 Start: 33892, Stop: 34182, Start Num: 10
Candidate Starts for Cynthia_49:
(2, 33616), (5, 33643), (6, 33664), (Start: 10 @33892 has 175 MA's), (13, 33916), (14, 33928), (18, 34030), (20, 34069), (26, 34126), (27, 34138),

Gene: Dalmuri_45 Start: 35513, Stop: 35779, Start Num: 10
Candidate Starts for Dalmuri_45:
(Start: 10 @35513 has 175 MA's), (17, 35642),

Gene: DartGoblin_47 Start: 36240, Stop: 36506, Start Num: 10
Candidate Starts for DartGoblin_47:
(Start: 10 @36240 has 175 MA's), (17, 36369), (29, 36468),

Gene: Dartin_47 Start: 36102, Stop: 36386, Start Num: 10
Candidate Starts for Dartin_47:
(Start: 10 @36102 has 175 MA's), (14, 36147), (15, 36192), (17, 36240), (22, 36309),

Gene: Deby_45 Start: 35641, Stop: 35907, Start Num: 10
Candidate Starts for Deby_45:
(Start: 10 @35641 has 175 MA's), (17, 35770),

Gene: Devera_49 Start: 36174, Stop: 36440, Start Num: 10
Candidate Starts for Devera_49:
(7, 36081), (Start: 10 @36174 has 175 MA's), (17, 36303), (29, 36402),

Gene: DismalFunk_48 Start: 37539, Stop: 37796, Start Num: 10
Candidate Starts for DismalFunk_48:
(Start: 10 @37539 has 175 MA's), (17, 37668),

Gene: DismalStressor_48 Start: 37539, Stop: 37796, Start Num: 10
Candidate Starts for DismalStressor_48:
(Start: 10 @37539 has 175 MA's), (17, 37668),

Gene: Dole_48 Start: 36176, Stop: 36442, Start Num: 10
Candidate Starts for Dole_48:
(7, 36083), (Start: 10 @36176 has 175 MA's), (17, 36305), (29, 36404),

Gene: Doughnut_48 Start: 37152, Stop: 37409, Start Num: 10
Candidate Starts for Doughnut_48:
(Start: 10 @37152 has 175 MA's), (17, 37281),

Gene: DrHayes_46 Start: 36292, Stop: 36558, Start Num: 10
Candidate Starts for DrHayes_46:
(Start: 10 @36292 has 175 MA's), (17, 36421), (29, 36520),

Gene: Durfee_45 Start: 35710, Stop: 35976, Start Num: 10
Candidate Starts for Durfee_45:
(Start: 10 @35710 has 175 MA's), (17, 35839),

Gene: Ebert_51 Start: 33818, Stop: 34108, Start Num: 10

Candidate Starts for Ebert_51:

(2, 33542), (5, 33569), (6, 33590), (Start: 10 @33818 has 175 MA's), (13, 33842), (14, 33854), (18, 33956), (20, 33995), (26, 34052), (27, 34064),

Gene: EdnaMode_44 Start: 32228, Stop: 32518, Start Num: 10

Candidate Starts for EdnaMode_44:

(Start: 10 @32228 has 175 MA's), (14, 32264), (18, 32366), (20, 32405), (26, 32462), (27, 32474),

Gene: Efra2_47 Start: 35223, Stop: 35528, Start Num: 9

Candidate Starts for Efra2_47:

(Start: 9 @35223 has 3 MA's), (15, 35334), (17, 35382), (19, 35424),

Gene: Emerson_46 Start: 35389, Stop: 35655, Start Num: 10

Candidate Starts for Emerson_46:

(Start: 10 @35389 has 175 MA's), (17, 35518),

Gene: EnalisNailo_46 Start: 37009, Stop: 37302, Start Num: 10

Candidate Starts for EnalisNailo_46:

(1, 36676), (3, 36739), (Start: 10 @37009 has 175 MA's), (14, 37045), (18, 37147), (26, 37246), (27, 37258),

Gene: Eudoria_50 Start: 36407, Stop: 36697, Start Num: 10

Candidate Starts for Eudoria_50:

(Start: 10 @36407 has 175 MA's), (14, 36443), (18, 36545), (20, 36584), (26, 36641), (27, 36653),

Gene: Eviarto_51 Start: 38352, Stop: 38642, Start Num: 10

Candidate Starts for Eviarto_51:

(Start: 10 @38352 has 175 MA's), (14, 38388), (18, 38490), (27, 38598),

Gene: Faith5x5_39 Start: 29672, Stop: 29959, Start Num: 10

Candidate Starts for Faith5x5_39:

(Start: 10 @29672 has 175 MA's), (13, 29696), (18, 29810), (24, 29882), (27, 29915), (30, 29936), (31, 29948),

Gene: Findley_48 Start: 37532, Stop: 37789, Start Num: 10

Candidate Starts for Findley_48:

(Start: 10 @37532 has 175 MA's), (16, 37643), (17, 37661),

Gene: Ganymede_46 Start: 35828, Stop: 36094, Start Num: 10

Candidate Starts for Ganymede_46:

(Start: 10 @35828 has 175 MA's), (17, 35957),

Gene: GemG_49 Start: 33898, Stop: 34188, Start Num: 10

Candidate Starts for GemG_49:

(2, 33622), (5, 33649), (6, 33670), (Start: 10 @33898 has 175 MA's), (13, 33922), (14, 33934), (18, 34036), (20, 34075), (26, 34132), (27, 34144),

Gene: Geraldini_47 Start: 36445, Stop: 36711, Start Num: 10

Candidate Starts for Geraldini_47:

(Start: 10 @36445 has 175 MA's), (17, 36574),

Gene: Gizermo_49 Start: 33894, Stop: 34184, Start Num: 10

Candidate Starts for Gizermo_49:

(2, 33618), (5, 33645), (6, 33666), (Start: 10 @33894 has 175 MA's), (13, 33918), (14, 33930), (18, 34032), (20, 34071), (26, 34128), (27, 34140),

Gene: Guanica15_47 Start: 35180, Stop: 35485, Start Num: 9

Candidate Starts for Guanica15_47:

(Start: 9 @35180 has 3 MA's), (15, 35291), (17, 35339), (19, 35381),

Gene: Haley23_49 Start: 33894, Stop: 34184, Start Num: 10

Candidate Starts for Haley23_49:

(2, 33618), (5, 33645), (6, 33666), (Start: 10 @33894 has 175 MA's), (13, 33918), (14, 33930), (18, 34032), (20, 34071), (26, 34128), (27, 34140),

Gene: HedwigODU_45 Start: 35398, Stop: 35664, Start Num: 10

Candidate Starts for HedwigODU_45:

(Start: 10 @35398 has 175 MA's), (17, 35527),

Gene: Herod_50 Start: 38377, Stop: 38667, Start Num: 10

Candidate Starts for Herod_50:

(Start: 10 @38377 has 175 MA's), (14, 38413), (18, 38515), (27, 38623),

Gene: Homura_45 Start: 35513, Stop: 35779, Start Num: 10

Candidate Starts for Homura_45:

(Start: 10 @35513 has 175 MA's), (17, 35642),

Gene: Hugley_47 Start: 38376, Stop: 38666, Start Num: 10

Candidate Starts for Hugley_47:

(Start: 10 @38376 has 175 MA's), (14, 38412), (18, 38514), (27, 38622),

Gene: Hyperbowlee_45 Start: 35710, Stop: 35976, Start Num: 10

Candidate Starts for Hyperbowlee_45:

(Start: 10 @35710 has 175 MA's), (17, 35839),

Gene: Hyzer_55 Start: 39323, Stop: 39613, Start Num: 10

Candidate Starts for Hyzer_55:

(Start: 10 @39323 has 175 MA's), (14, 39359), (18, 39461), (20, 39500), (26, 39557), (27, 39569),

Gene: Illumine_48 Start: 36176, Stop: 36442, Start Num: 10

Candidate Starts for Illumine_48:

(7, 36083), (Start: 10 @36176 has 175 MA's), (17, 36305), (29, 36404),

Gene: InLimbo_45 Start: 31463, Stop: 31753, Start Num: 10

Candidate Starts for InLimbo_45:

(8, 31442), (Start: 10 @31463 has 175 MA's), (14, 31499), (18, 31601), (24, 31676), (25, 31691), (27, 31709), (31, 31742),

Gene: Inky_45 Start: 35513, Stop: 35779, Start Num: 10

Candidate Starts for Inky_45:

(Start: 10 @35513 has 175 MA's), (17, 35642),

Gene: JAWS_45 Start: 35387, Stop: 35653, Start Num: 10

Candidate Starts for JAWS_45:

(Start: 10 @35387 has 175 MA's), (17, 35516),

Gene: Jablanski_51 Start: 39368, Stop: 39658, Start Num: 10

Candidate Starts for Jablanski_51:

(Start: 10 @39368 has 175 MA's), (11, 39374), (14, 39404), (18, 39506), (20, 39545), (27, 39614),

Gene: Jalleen_49 Start: 33533, Stop: 33823, Start Num: 10

Candidate Starts for Jalleen_49:

(2, 33257), (6, 33305), (Start: 10 @33533 has 175 MA's), (13, 33557), (14, 33569), (18, 33671), (20, 33710), (26, 33767), (27, 33779),

Gene: Jarvi_45 Start: 35513, Stop: 35779, Start Num: 10

Candidate Starts for Jarvi_45:

(Start: 10 @35513 has 175 MA's), (17, 35642),

Gene: Jayhawk_46 Start: 35396, Stop: 35662, Start Num: 10

Candidate Starts for Jayhawk_46:

(Start: 10 @35396 has 175 MA's), (17, 35525),

Gene: Jeckyll_45 Start: 35513, Stop: 35779, Start Num: 10

Candidate Starts for Jeckyll_45:

(Start: 10 @35513 has 175 MA's), (17, 35642),

Gene: Joy99_45 Start: 35442, Stop: 35708, Start Num: 10

Candidate Starts for Joy99_45:

(Start: 10 @35442 has 175 MA's), (17, 35571),

Gene: KiSi_49 Start: 36597, Stop: 36851, Start Num: 10

Candidate Starts for KiSi_49:

(Start: 10 @36597 has 175 MA's), (14, 36636), (17, 36729),

Gene: Kita_51 Start: 36416, Stop: 36706, Start Num: 10

Candidate Starts for Kita_51:

(Start: 10 @36416 has 175 MA's), (14, 36452), (18, 36554), (20, 36593), (26, 36650), (27, 36662),

Gene: Lamberg_45 Start: 32403, Stop: 32693, Start Num: 10

Candidate Starts for Lamberg_45:

(2, 32127), (5, 32154), (6, 32175), (Start: 10 @32403 has 175 MA's), (13, 32427), (14, 32439), (18, 32541), (20, 32580), (26, 32637), (27, 32649),

Gene: LaterM_46 Start: 36290, Stop: 36556, Start Num: 10

Candidate Starts for LaterM_46:

(Start: 10 @36290 has 175 MA's), (17, 36419), (29, 36518),

Gene: LeMond_49 Start: 36581, Stop: 36835, Start Num: 10

Candidate Starts for LeMond_49:

(1, 36248), (Start: 10 @36581 has 175 MA's), (14, 36620), (17, 36713),

Gene: LilPharaoh_40 Start: 34709, Stop: 34993, Start Num: 10

Candidate Starts for LilPharaoh_40:

(Start: 10 @34709 has 175 MA's), (17, 34847),

Gene: Lilas_49 Start: 38720, Stop: 39010, Start Num: 10

Candidate Starts for Lilas_49:

(1, 38387), (3, 38450), (Start: 10 @38720 has 175 MA's), (14, 38756), (18, 38858), (27, 38966),

Gene: Llorens_45 Start: 35513, Stop: 35779, Start Num: 10

Candidate Starts for Llorens_45:

(Start: 10 @35513 has 175 MA's), (17, 35642),

Gene: LonelyBoi_48 Start: 38880, Stop: 39170, Start Num: 10

Candidate Starts for LonelyBoi_48:

(Start: 10 @38880 has 175 MA's), (14, 38916), (18, 39018), (20, 39057), (26, 39114), (27, 39126),

Gene: LordFarquaad_47 Start: 33521, Stop: 33811, Start Num: 10

Candidate Starts for LordFarquaad_47:

(Start: 10 @33521 has 175 MA's), (14, 33557), (18, 33659), (20, 33698), (26, 33755), (27, 33767),

Gene: Lunahalos_45 Start: 35513, Stop: 35779, Start Num: 10

Candidate Starts for Lunahalos_45:

(Start: 10 @35513 has 175 MA's), (17, 35642),

Gene: MacKat_40 Start: 30913, Stop: 31179, Start Num: 10

Candidate Starts for MacKat_40:

(Start: 10 @30913 has 175 MA's), (17, 31042),

Gene: Madavieve_45 Start: 35724, Stop: 36011, Start Num: 10

Candidate Starts for Madavieve_45:

(Start: 10 @35724 has 175 MA's), (14, 35760), (18, 35862), (20, 35901), (26, 35958), (27, 35970),

Gene: MakCheese_60 Start: 40842, Stop: 41078, Start Num: 10

Candidate Starts for MakCheese_60:

(Start: 10 @40842 has 175 MA's), (17, 40974),

Gene: Manasvini_51 Start: 36431, Stop: 36721, Start Num: 10

Candidate Starts for Manasvini_51:

(Start: 10 @36431 has 175 MA's), (14, 36467), (18, 36569), (20, 36608), (26, 36665), (27, 36677),

Gene: Marcoliusprime_48 Start: 37539, Stop: 37796, Start Num: 10

Candidate Starts for Marcoliusprime_48:

(Start: 10 @37539 has 175 MA's), (17, 37668),

Gene: Maridalia_51 Start: 36553, Stop: 36843, Start Num: 10

Candidate Starts for Maridalia_51:

(Start: 10 @36553 has 175 MA's), (14, 36589), (18, 36691), (20, 36730), (21, 36733), (26, 36787), (27, 36799),

Gene: MarkPhew_48 Start: 36023, Stop: 36280, Start Num: 10

Candidate Starts for MarkPhew_48:

(Start: 10 @36023 has 175 MA's), (14, 36062), (17, 36155), (19, 36197),

Gene: Marshawn_48 Start: 36429, Stop: 36707, Start Num: 10

Candidate Starts for Marshawn_48:

(Start: 10 @36429 has 175 MA's), (17, 36567), (19, 36609), (22, 36636),

Gene: Matteo_42 Start: 31445, Stop: 31735, Start Num: 10

Candidate Starts for Matteo_42:

(2, 31169), (6, 31217), (Start: 10 @31445 has 175 MA's), (13, 31469), (14, 31481), (18, 31583), (20, 31622), (26, 31679), (27, 31691),

Gene: McMater_47 Start: 36102, Stop: 36386, Start Num: 10

Candidate Starts for McMater_47:

(Start: 10 @36102 has 175 MA's), (14, 36147), (15, 36192), (17, 36240), (22, 36309),

Gene: Mdavu_41 Start: 34970, Stop: 35254, Start Num: 10

Candidate Starts for Mdavu_41:

(Start: 10 @34970 has 175 MA's), (17, 35108),

Gene: MeaningOfLife_46 Start: 36322, Stop: 36588, Start Num: 10

Candidate Starts for MeaningOfLife_46:

(Start: 10 @36322 has 175 MA's), (17, 36451),

Gene: Megsy_46 Start: 35638, Stop: 35928, Start Num: 10

Candidate Starts for Megsy_46:

(Start: 10 @35638 has 175 MA's), (17, 35767),

Gene: Milly_48 Start: 37512, Stop: 37769, Start Num: 10

Candidate Starts for Milly_48:

(Start: 10 @37512 has 175 MA's), (16, 37623), (17, 37641),

Gene: Mocha12_49 Start: 33894, Stop: 34184, Start Num: 10

Candidate Starts for Mocha12_49:

(2, 33618), (5, 33645), (6, 33666), (Start: 10 @33894 has 175 MA's), (13, 33918), (14, 33930), (18, 34032), (20, 34071), (26, 34128), (27, 34140),

Gene: Morkie_45 Start: 31549, Stop: 31836, Start Num: 10

Candidate Starts for Morkie_45:

(7, 31450), (Start: 10 @31549 has 175 MA's), (14, 31585), (18, 31687), (24, 31759), (25, 31774), (27, 31792), (31, 31825),

Gene: Mufasa_48 Start: 37096, Stop: 37353, Start Num: 10

Candidate Starts for Mufasa_48:

(Start: 10 @37096 has 175 MA's), (17, 37225),

Gene: Murucutumbu_46 Start: 36383, Stop: 36649, Start Num: 10

Candidate Starts for Murucutumbu_46:

(Start: 10 @36383 has 175 MA's), (17, 36512), (29, 36611),

Gene: Mynx_46 Start: 35714, Stop: 35980, Start Num: 10

Candidate Starts for Mynx_46:

(Start: 10 @35714 has 175 MA's), (17, 35843),

Gene: Neobush_50 Start: 36401, Stop: 36691, Start Num: 10

Candidate Starts for Neobush_50:

(Start: 10 @36401 has 175 MA's), (14, 36437), (18, 36539), (20, 36578), (26, 36635), (27, 36647),

Gene: Nettuno_45 Start: 32403, Stop: 32693, Start Num: 10

Candidate Starts for Nettuno_45:

(2, 32127), (5, 32154), (6, 32175), (Start: 10 @32403 has 175 MA's), (13, 32427), (14, 32439), (18, 32541), (20, 32580), (26, 32637), (27, 32649),

Gene: Nibb_47 Start: 35735, Stop: 35992, Start Num: 10
Candidate Starts for Nibb_47:
(Start: 10 @35735 has 175 MA's), (14, 35774), (17, 35867), (23, 35939),

Gene: Nikao_43 Start: 37594, Stop: 37878, Start Num: 10
Candidate Starts for Nikao_43:
(Start: 10 @37594 has 175 MA's), (17, 37732),

Gene: Niklas_47 Start: 36163, Stop: 36447, Start Num: 10
Candidate Starts for Niklas_47:
(Start: 10 @36163 has 175 MA's), (14, 36208), (15, 36253), (17, 36301), (22, 36370),

Gene: Nutello_40 Start: 34981, Stop: 35265, Start Num: 10
Candidate Starts for Nutello_40:
(Start: 10 @34981 has 175 MA's), (17, 35119),

Gene: Nymphadora_51 Start: 38376, Stop: 38666, Start Num: 10
Candidate Starts for Nymphadora_51:
(Start: 10 @38376 has 175 MA's), (14, 38412), (18, 38514), (27, 38622),

Gene: OneDirection_40 Start: 29163, Stop: 29450, Start Num: 10
Candidate Starts for OneDirection_40:
(7, 29064), (Start: 10 @29163 has 175 MA's), (14, 29199), (18, 29301), (24, 29373), (25, 29388), (27, 29406), (31, 29439),

Gene: Oscar_49 Start: 36483, Stop: 36737, Start Num: 10
Candidate Starts for Oscar_49:
(1, 36150), (Start: 10 @36483 has 175 MA's), (14, 36522), (17, 36615), (19, 36657),

Gene: Padfoot_45 Start: 35710, Stop: 35976, Start Num: 10
Candidate Starts for Padfoot_45:
(Start: 10 @35710 has 175 MA's), (17, 35839),

Gene: Padpat_46 Start: 35389, Stop: 35655, Start Num: 10
Candidate Starts for Padpat_46:
(Start: 10 @35389 has 175 MA's), (17, 35518),

Gene: Peanam_47 Start: 36121, Stop: 36405, Start Num: 10
Candidate Starts for Peanam_47:
(Start: 10 @36121 has 175 MA's), (14, 36166), (15, 36211), (17, 36259), (22, 36328),

Gene: Peel_45 Start: 35515, Stop: 35781, Start Num: 10
Candidate Starts for Peel_45:
(Start: 10 @35515 has 175 MA's), (17, 35644),

Gene: Pepperoni_40 Start: 30725, Stop: 31012, Start Num: 10
Candidate Starts for Pepperoni_40:
(8, 30704), (Start: 10 @30725 has 175 MA's), (14, 30761), (18, 30863), (25, 30950), (27, 30968), (31, 31001),

Gene: PhorbesPhlower_45 Start: 30916, Stop: 31206, Start Num: 10
Candidate Starts for PhorbesPhlower_45:

(8, 30895), (Start: 10 @30916 has 175 MA's), (14, 30952), (18, 31054), (24, 31129), (25, 31144), (27, 31162), (31, 31195),

Gene: Piatt_45 Start: 35710, Stop: 35976, Start Num: 10

Candidate Starts for Piatt_45:

(Start: 10 @35710 has 175 MA's), (17, 35839),

Gene: Pickett_43 Start: 30704, Stop: 30994, Start Num: 10

Candidate Starts for Pickett_43:

(Start: 10 @30704 has 175 MA's), (14, 30740), (18, 30842), (20, 30881), (26, 30938), (27, 30950),

Gene: Pisa1_45 Start: 36683, Stop: 36949, Start Num: 10

Candidate Starts for Pisa1_45:

(Start: 10 @36683 has 175 MA's), (17, 36812), (29, 36911),

Gene: Pisa4_39 Start: 32052, Stop: 32318, Start Num: 10

Candidate Starts for Pisa4_39:

(Start: 10 @32052 has 175 MA's), (17, 32181), (29, 32280),

Gene: Pokerus_44 Start: 35436, Stop: 35702, Start Num: 10

Candidate Starts for Pokerus_44:

(Start: 10 @35436 has 175 MA's), (17, 35565),

Gene: Polly_47 Start: 35850, Stop: 36140, Start Num: 10

Candidate Starts for Polly_47:

(Start: 10 @35850 has 175 MA's), (14, 35886), (18, 35988), (20, 36027), (26, 36084), (27, 36096),

Gene: Posh_54 Start: 39125, Stop: 39415, Start Num: 10

Candidate Starts for Posh_54:

(Start: 10 @39125 has 175 MA's), (14, 39161), (20, 39302), (26, 39359), (27, 39371),

Gene: Prithvi_46 Start: 35579, Stop: 35869, Start Num: 10

Candidate Starts for Prithvi_46:

(Start: 10 @35579 has 175 MA's), (17, 35708),

Gene: Pytheas_51 Start: 39367, Stop: 39657, Start Num: 10

Candidate Starts for Pytheas_51:

(Start: 10 @39367 has 175 MA's), (11, 39373), (14, 39403), (18, 39505), (20, 39544), (27, 39613),

Gene: QuincyRose_44 Start: 35828, Stop: 36094, Start Num: 10

Candidate Starts for QuincyRose_44:

(Start: 10 @35828 has 175 MA's), (17, 35957),

Gene: Ramen_45 Start: 35400, Stop: 35666, Start Num: 10

Candidate Starts for Ramen_45:

(Start: 10 @35400 has 175 MA's), (17, 35529),

Gene: Rapunzel97_45 Start: 35396, Stop: 35662, Start Num: 10

Candidate Starts for Rapunzel97_45:

(Start: 10 @35396 has 175 MA's), (17, 35525),

Gene: Richo_47 Start: 36102, Stop: 36386, Start Num: 10

Candidate Starts for Richo_47:

(Start: 10 @36102 has 175 MA's), (14, 36147), (15, 36192), (17, 36240), (22, 36309),

Gene: Rosmarinus_45 Start: 35501, Stop: 35767, Start Num: 10

Candidate Starts for Rosmarinus_45:

(Start: 10 @35501 has 175 MA's), (17, 35630),

Gene: Sahara_48 Start: 33641, Stop: 33931, Start Num: 10

Candidate Starts for Sahara_48:

(2, 33365), (6, 33413), (Start: 10 @33641 has 175 MA's), (13, 33665), (14, 33677), (18, 33779), (20, 33818), (26, 33875), (27, 33887),

Gene: SamuelLPlaqson_46 Start: 36292, Stop: 36558, Start Num: 10

Candidate Starts for SamuelLPlaqson_46:

(Start: 10 @36292 has 175 MA's), (17, 36421), (29, 36520),

Gene: Savage_49 Start: 33894, Stop: 34184, Start Num: 10

Candidate Starts for Savage_49:

(2, 33618), (5, 33645), (6, 33666), (Start: 10 @33894 has 175 MA's), (13, 33918), (14, 33930), (18, 34032), (20, 34071), (26, 34128), (27, 34140),

Gene: Scarlett_49 Start: 36475, Stop: 36729, Start Num: 10

Candidate Starts for Scarlett_49:

(1, 36142), (Start: 10 @36475 has 175 MA's), (14, 36514), (17, 36607),

Gene: SgtBeansprout_40 Start: 34981, Stop: 35265, Start Num: 10

Candidate Starts for SgtBeansprout_40:

(Start: 10 @34981 has 175 MA's), (17, 35119),

Gene: Shaobing_47 Start: 36138, Stop: 36422, Start Num: 10

Candidate Starts for Shaobing_47:

(Start: 10 @36138 has 175 MA's), (14, 36183), (15, 36228), (17, 36276), (22, 36345),

Gene: ShiaSurprise_46 Start: 35710, Stop: 35976, Start Num: 10

Candidate Starts for ShiaSurprise_46:

(Start: 10 @35710 has 175 MA's), (17, 35839),

Gene: Slimphazie_45 Start: 35396, Stop: 35662, Start Num: 10

Candidate Starts for Slimphazie_45:

(Start: 10 @35396 has 175 MA's), (17, 35525),

Gene: SoilAssassin_45 Start: 33539, Stop: 33829, Start Num: 10

Candidate Starts for SoilAssassin_45:

(Start: 10 @33539 has 175 MA's), (14, 33575), (18, 33677), (20, 33716), (26, 33773), (27, 33785),

Gene: Spock_45 Start: 35514, Stop: 35780, Start Num: 10

Candidate Starts for Spock_45:

(Start: 10 @35514 has 175 MA's), (17, 35643),

Gene: Sproutie_49 Start: 33894, Stop: 34184, Start Num: 10

Candidate Starts for Sproutie_49:

(2, 33618), (5, 33645), (6, 33666), (Start: 10 @33894 has 175 MA's), (13, 33918), (14, 33930), (18, 34032), (20, 34071), (26, 34128), (27, 34140),

Gene: Stinson_46 Start: 35903, Stop: 36169, Start Num: 10
Candidate Starts for Stinson_46:
(Start: 10 @35903 has 175 MA's), (17, 36032), (29, 36131),

Gene: Strobilo_48 Start: 37514, Stop: 37771, Start Num: 10
Candidate Starts for Strobilo_48:
(Start: 10 @37514 has 175 MA's), (16, 37625), (17, 37643),

Gene: Sulley_45 Start: 35640, Stop: 35906, Start Num: 10
Candidate Starts for Sulley_45:
(Start: 10 @35640 has 175 MA's), (17, 35769),

Gene: Suscepit_50 Start: 36408, Stop: 36698, Start Num: 10
Candidate Starts for Suscepit_50:
(Start: 10 @36408 has 175 MA's), (14, 36444), (18, 36546), (20, 36585), (26, 36642), (27, 36654),

Gene: SushiChef_47 Start: 37321, Stop: 37611, Start Num: 10
Candidate Starts for SushiChef_47:
(Start: 10 @37321 has 175 MA's), (14, 37357), (18, 37459), (20, 37498), (26, 37555), (27, 37567),

Gene: TClif_49 Start: 36567, Stop: 36848, Start Num: 10
Candidate Starts for TClif_49:
(Start: 10 @36567 has 175 MA's), (15, 36657), (17, 36705),

Gene: TM4_43 Start: 31897, Stop: 32154, Start Num: 10
Candidate Starts for TM4_43:
(Start: 10 @31897 has 175 MA's), (12, 31909), (17, 32026),

Gene: Tachez_45 Start: 35358, Stop: 35624, Start Num: 10
Candidate Starts for Tachez_45:
(Start: 10 @35358 has 175 MA's), (17, 35487),

Gene: TaiwanKao_47 Start: 35635, Stop: 35925, Start Num: 10
Candidate Starts for TaiwanKao_47:
(Start: 10 @35635 has 175 MA's), (17, 35764),

Gene: Tayonia_50 Start: 36407, Stop: 36697, Start Num: 10
Candidate Starts for Tayonia_50:
(Start: 10 @36407 has 175 MA's), (14, 36443), (18, 36545), (20, 36584), (26, 36641), (27, 36653),

Gene: ThankyouJordi_49 Start: 38252, Stop: 38542, Start Num: 10
Candidate Starts for ThankyouJordi_49:
(Start: 10 @38252 has 175 MA's), (14, 38288), (18, 38390), (20, 38429), (27, 38498),

Gene: TimTam_51 Start: 38376, Stop: 38666, Start Num: 10
Candidate Starts for TimTam_51:
(Start: 10 @38376 has 175 MA's), (14, 38412), (18, 38514), (27, 38622),

Gene: TiniBug_46 Start: 36288, Stop: 36554, Start Num: 10
Candidate Starts for TiniBug_46:
(Start: 10 @36288 has 175 MA's), (17, 36417), (29, 36516),

Gene: Tiri_46 Start: 35688, Stop: 35954, Start Num: 10

Candidate Starts for Tiri_46:
(Start: 10 @35688 has 175 MA's), (17, 35817),

Gene: Topper_45 Start: 35513, Stop: 35779, Start Num: 10
Candidate Starts for Topper_45:
(Start: 10 @35513 has 175 MA's), (17, 35642),

Gene: Torres_43 Start: 37595, Stop: 37879, Start Num: 10
Candidate Starts for Torres_43:
(Start: 10 @37595 has 175 MA's), (17, 37733),

Gene: TreyKay_46 Start: 35579, Stop: 35869, Start Num: 10
Candidate Starts for TreyKay_46:
(Start: 10 @35579 has 175 MA's), (17, 35708),

Gene: TruffulaTree_45 Start: 35392, Stop: 35658, Start Num: 10
Candidate Starts for TruffulaTree_45:
(Start: 10 @35392 has 175 MA's), (17, 35521),

Gene: Trumpet_50 Start: 36408, Stop: 36698, Start Num: 10
Candidate Starts for Trumpet_50:
(Start: 10 @36408 has 175 MA's), (14, 36444), (18, 36546), (20, 36585), (26, 36642), (27, 36654),

Gene: TuertoX_49 Start: 33894, Stop: 34184, Start Num: 10
Candidate Starts for TuertoX_49:
(2, 33618), (5, 33645), (6, 33666), (Start: 10 @33894 has 175 MA's), (13, 33918), (14, 33930), (18, 34032), (20, 34071), (26, 34128), (27, 34140),

Gene: Twitch_45 Start: 35515, Stop: 35781, Start Num: 10
Candidate Starts for Twitch_45:
(Start: 10 @35515 has 175 MA's), (17, 35644),

Gene: Urkel_46 Start: 36292, Stop: 36558, Start Num: 10
Candidate Starts for Urkel_46:
(Start: 10 @36292 has 175 MA's), (17, 36421), (29, 36520),

Gene: Validus_49 Start: 36187, Stop: 36471, Start Num: 10
Candidate Starts for Validus_49:
(Start: 10 @36187 has 175 MA's), (15, 36277), (17, 36325),

Gene: Veliki_45 Start: 35432, Stop: 35698, Start Num: 10
Candidate Starts for Veliki_45:
(Start: 10 @35432 has 175 MA's), (17, 35561),

Gene: WelcomeAyanna_49 Start: 38399, Stop: 38689, Start Num: 10
Candidate Starts for WelcomeAyanna_49:
(Start: 10 @38399 has 175 MA's), (14, 38435), (18, 38537), (20, 38576), (27, 38645),

Gene: Whiteclaw_49 Start: 33894, Stop: 34184, Start Num: 10
Candidate Starts for Whiteclaw_49:
(2, 33618), (5, 33645), (6, 33666), (Start: 10 @33894 has 175 MA's), (13, 33918), (14, 33930), (18, 34032), (20, 34071), (26, 34128), (27, 34140),

Gene: Wrigley_55 Start: 38285, Stop: 38572, Start Num: 10
Candidate Starts for Wrigley_55:
(Start: 10 @38285 has 175 MA's), (14, 38321), (18, 38423), (20, 38462), (26, 38519), (27, 38531),

Gene: Yeet412_45 Start: 33540, Stop: 33830, Start Num: 10
Candidate Starts for Yeet412_45:
(Start: 10 @33540 has 175 MA's), (14, 33576), (18, 33678), (20, 33717), (26, 33774), (27, 33786),

Gene: Yinzer_49 Start: 33894, Stop: 34184, Start Num: 10
Candidate Starts for Yinzer_49:
(2, 33618), (5, 33645), (6, 33666), (Start: 10 @33894 has 175 MA's), (13, 33918), (14, 33930), (18, 34032), (20, 34071), (26, 34128), (27, 34140),

Gene: YoureAdopted_44 Start: 35597, Stop: 35863, Start Num: 10
Candidate Starts for YoureAdopted_44:
(Start: 10 @35597 has 175 MA's), (17, 35726),

Gene: Yunkel11_47 Start: 35179, Stop: 35484, Start Num: 9
Candidate Starts for Yunkel11_47:
(Start: 9 @35179 has 3 MA's), (15, 35290), (17, 35338), (19, 35380),

Gene: Zabiza_40 Start: 31703, Stop: 31969, Start Num: 10
Candidate Starts for Zabiza_40:
(Start: 10 @31703 has 175 MA's), (17, 31832),

Gene: Zameen_50 Start: 36407, Stop: 36697, Start Num: 10
Candidate Starts for Zameen_50:
(Start: 10 @36407 has 175 MA's), (14, 36443), (18, 36545), (20, 36584), (26, 36641), (27, 36653),

Gene: Zavala_46 Start: 35674, Stop: 35940, Start Num: 10
Candidate Starts for Zavala_46:
(Start: 10 @35674 has 175 MA's), (17, 35803),

Gene: Zirinka_47 Start: 37027, Stop: 37317, Start Num: 10
Candidate Starts for Zirinka_47:
(Start: 10 @37027 has 175 MA's), (14, 37063), (18, 37165), (20, 37204), (26, 37261), (27, 37273),

Gene: ZoeJ_47 Start: 36989, Stop: 37246, Start Num: 10
Candidate Starts for ZoeJ_47:
(Start: 10 @36989 has 175 MA's), (17, 37118),