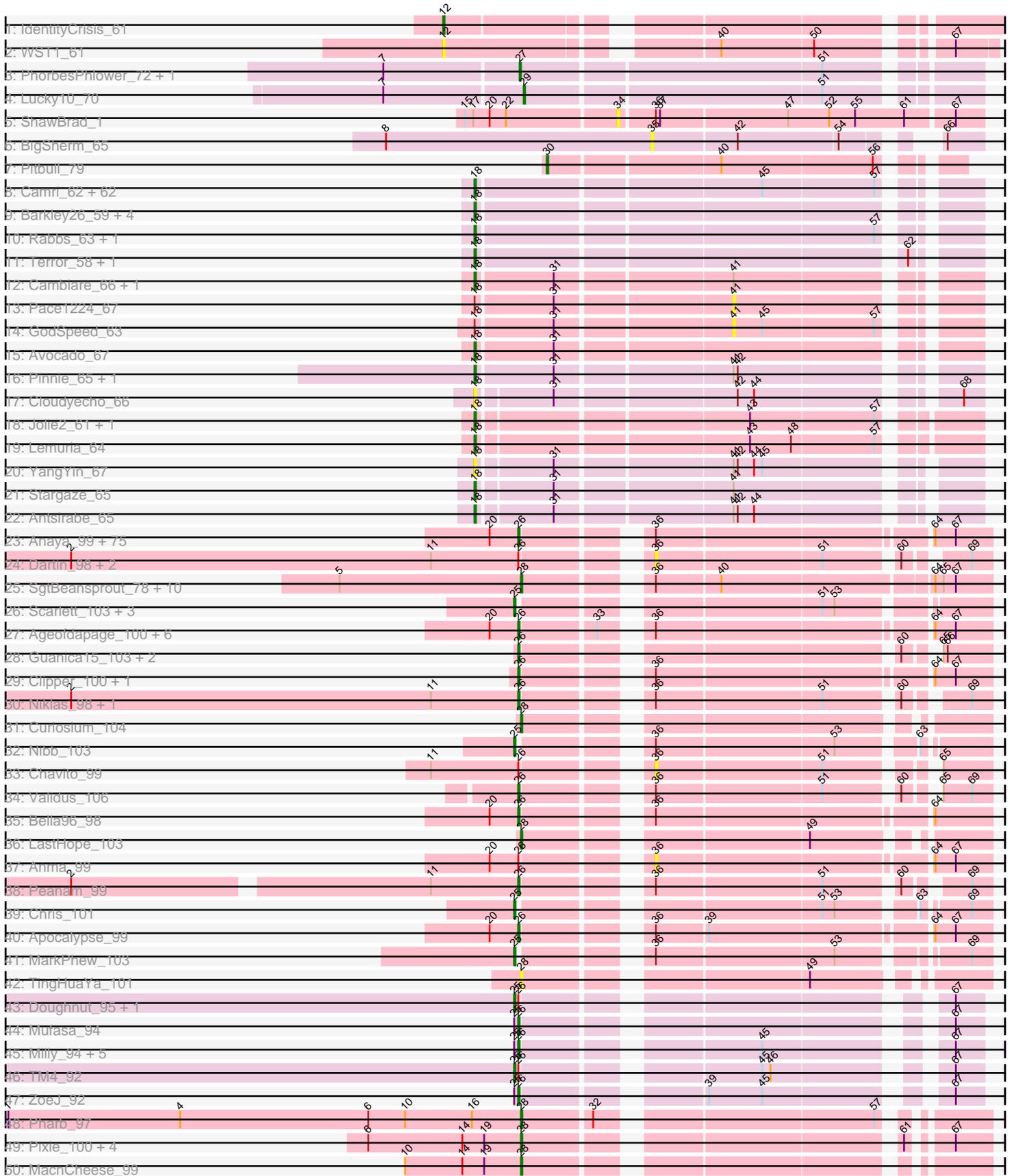
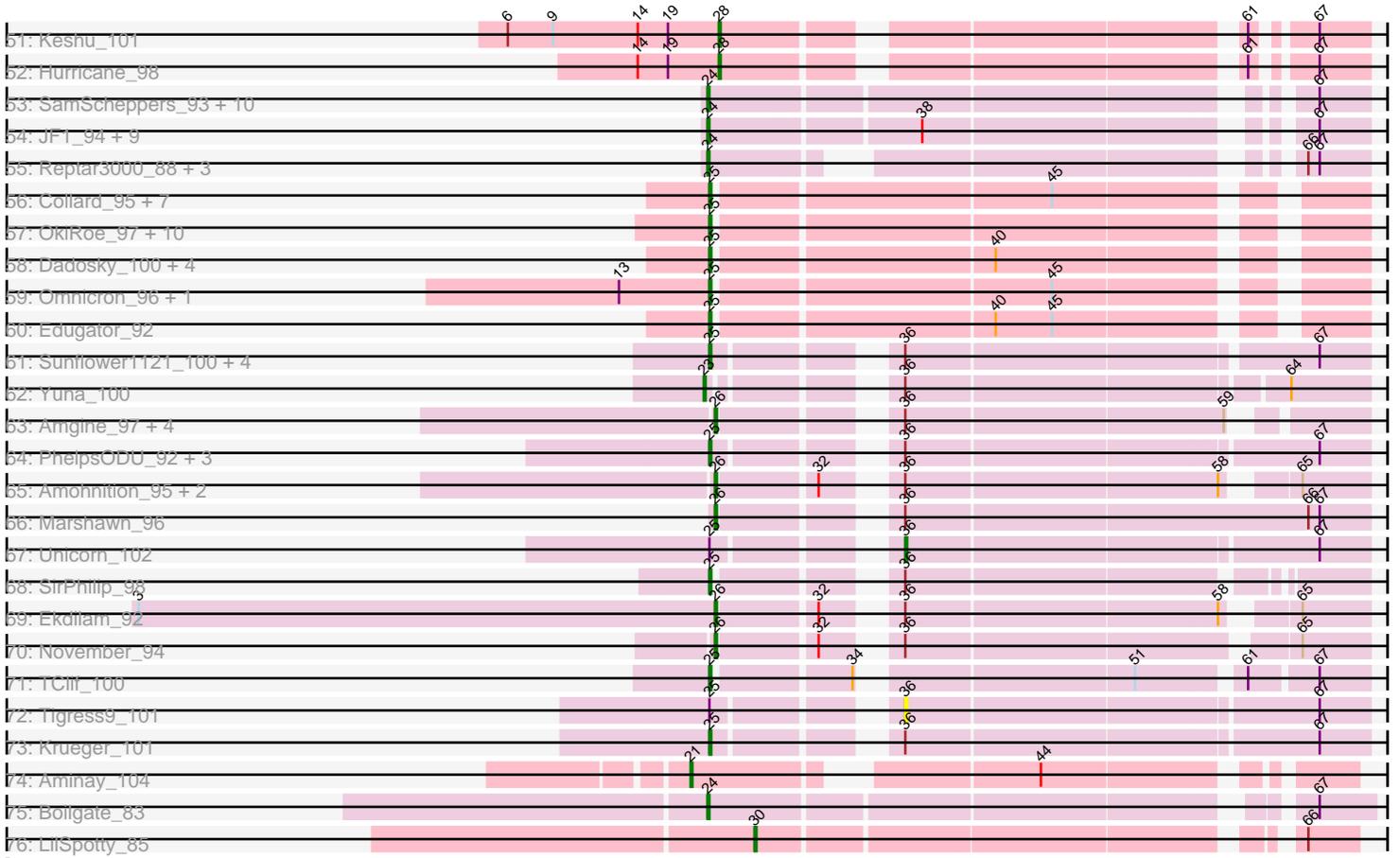


Pham 283411



Pham 283411



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 283411 Report

This analysis was run 02/23/26 on database version 636.

Pham number 283411 has 315 members, 39 are drafts.

Phages represented in each track:

- Track 1 : IdentityCrisis_61
- Track 2 : WST1_61
- Track 3 : PhorbesPhlower_72, Morkie_74
- Track 4 : Lucky10_70
- Track 5 : ShawBrad_1
- Track 6 : BigSherm_65
- Track 7 : Pitbull_79
- Track 8 : Camri_62, Gideon_62, Aroostook_62, ShaboiShabazz_61, Maliketh_61, LouisV14_64, Cedasite_62, AizenPogi_63, Jonghyun_60, Marmie_62, Kasen3_63, Sizemore_63, PinkYoshi_62, ECartman_60, Gomashi_61, Grizzly_61, Halo_63, CassieYates_62, JorRay_63, BQuat_61, Angel_60, Frosty24_62, Phreak_62, Hotshotbaby7_62, Mowgli_62, Chance64_62, Remy19_62, CLED96_61, Coleslaw_61, Avrafan_61, ZoMa_61, DingDing_61, Jolene_62, Ruriko_60, AzulaCat_63, TinaBug_63, Sweets_62, Schiebel_60, Crespo_61, Darionha_62, Jeilious_62, BruceB_62, Neoh_60, BPs_62, Olga_63, Plagueis_62, GoldenAsh_60, Renaissance_61, Jane_63, Cherrybomb426_61, Zombie_62, Peeb_61, Kareem_63, Wendigo_61, Annihilator_61, Hope_62, DNAIII_0059, Phloodle_61, Phish_61, TomBrady_62, OctaviousRex_61, Richarlison_63, DMoney_61
- Track 9 : Barkley26_59, Periodt_62, Liefie_59, Rattrick_62, Paito_63
- Track 10 : Rabbs_63, Sneeze_62
- Track 11 : Terror_58, Taheera_58
- Track 12 : Cambiare_66, FlagStaff_64
- Track 13 : Pace1224_67
- Track 14 : GodSpeed_63
- Track 15 : Avocado_67
- Track 16 : Pinnie_65, MOOREtheMARYer_66
- Track 17 : Cloudyecho_66
- Track 18 : Jolie2_61, Mercurio_63
- Track 19 : Lemuria_64
- Track 20 : YangYin_67
- Track 21 : Stargaze_65
- Track 22 : Antsirabe_65
- Track 23 : Anaya_99, SamuelLPlaqson_98, Blizzard_97, CallaLilly_96, Belladonna_97, Emerson_101, Adonis_96, DartGoblin_99, TreyKay_98, Veliki_97, Capricorn_97, CheetoDust_96, HedwigODU_96, Ganymede_96, ShiaSurprise_99, Mynx_97, Topper_96, Homura_95, Padpat_101, YoureAdopted_95, Adephegia_95, CrimD_96, Twitch_97, MeaningOfLife_98, Megsy_102, Spock_96, Durfee_97,

BEEST_96, Urkel_98, Deby_96, Angelica_95, DrHayes_98, Rosmarinus_97, JAWS_95, Ramen_97, Geraldini_97, Sulley_95, CaseJules_100, Jayhawk_100, Pisa1_97, Beezoo_100, BarrelRoll_96, AlishaPH_89, BGlluviae_96, QuincyRose_94, Padfoot_96, Piatt_95, TruffulaTree_98, BaghaKamala_96, Pisa4_91, Peel_96, Llorens_96, TiniBug_95, Prithvi_98, CREW_95, Jeckyll_97, Dalmuri_97, Tachez_97, Atiba_97, Tiri_97, Jarvi_96, Asayake_97, Zabiza_92, Bern_97, Inky_96, Lunahalos_96, Hyperbowlee_95, Rapunzel97_99, ActinUp_97, Pokerus_96, Boiiii_97, Joy99_98, Zavala_98, Slimphazie_99, LindNT_94, TaiwanKao_98

- Track 24 : Dartin_98, McMater_98, Richo_98
- Track 25 : SgtBeansprout_78, Torres_80, LilPharaoh_78, Nutello_77, Teejan_79, Trice_77, Mdavu_78, Enkosi_79, Amelie_77, Binglebops_77, Nikao_80
- Track 26 : Scarlett_103, LeMond_103, Oscar_104, KiSi_104
- Track 27 : Ageofdapage_100, Dole_99, Stinson_97, Devera_103, Illumine_100, LaterM_96, Murucutumbu_96
- Track 28 : Guanica15_103, Yunkel11_101, Efra2_104
- Track 29 : Clipper_100, MacKat_92
- Track 30 : Niklas_98, Shaobing_96
- Track 31 : Curiosium_104
- Track 32 : Nibb_103
- Track 33 : Chavito_99
- Track 34 : Validus_106
- Track 35 : Bella96_98
- Track 36 : LastHope_103
- Track 37 : Anma_99
- Track 38 : Peanam_99
- Track 39 : Chris_101
- Track 40 : Apocalypse_99
- Track 41 : MarkPhew_103
- Track 42 : TingHuaYa_101
- Track 43 : Doughnut_95, BoostSeason_94
- Track 44 : Mufasa_94
- Track 45 : Milly_94, Strobilo_95, Marcoliusprime_92, DismalFunk_94, DismalStressor_94, Findley_94
- Track 46 : TM4_92
- Track 47 : ZoeJ_92
- Track 48 : Pharb_97
- Track 49 : Pixie_100, Lea83_98, TBond007_97, ShedlockHolmes_100, TribbleTrouble_97
- Track 50 : MacnCheese_99
- Track 51 : Keshu_101
- Track 52 : Hurricane_98
- Track 53 : SamScheppers_93, OmniCritical_94, Taquito_94, Mitti_94, Qhanda_94, Chancellor_94, Lebo14_93, Cheetobro_92, Slarp_92, DanSyl44_97, YasnayaPolyana_93
- Track 54 : JF1_94, Eponine_96, Wintermute_94, Juliette_96, Y2_90, Ruthiejr_96, Malthus_95, Y10_90, Kraw_94, Fionnbharth_94
- Track 55 : Reptar3000_88, MissDaisy_88, Bobquesha_91, Patt_87
- Track 56 : Collard_95, InvictusManeo_97, ViviJ_105, LiIDirt_96, Kratio_100, DoubleChamp_96, Agent47_97, BananenDer11_95
- Track 57 : OkiRoe_97, SoSeph_96, Feyre_98, Miryou_98, Leston_95, Waterfoul_95, Gengar_96, Guillsminger_96, Heftyboy_96, Paola_93, Thyatira_97
- Track 58 : Dadosky_100, Neighly_100, AlleyCat_100, Larva_98, Psycho_98
- Track 59 : Omnicron_96, Rando14_92

- Track 60 : Edugator_92
- Track 61 : Sunflower1121_100, Bryler_94, Phrank_103, Cain_102, Shadow1_100
- Track 62 : Yuna_100
- Track 63 : Amgine_97, Applecrisp_95, Lavahound_97, Fefferhead_98, Ellie_96
- Track 64 : PhelpsODU_92, Tierra_102, Ximenita_103, Syra333_99
- Track 65 : Amohnition_95, DarthP_95, Hammy_95
- Track 66 : Marshawn_96
- Track 67 : Unicorn_102
- Track 68 : SirPhilip_98
- Track 69 : Ekdilam_92
- Track 70 : November_94
- Track 71 : TClif_100
- Track 72 : Tigress9_101
- Track 73 : Krueger_101
- Track 74 : Aminay_104
- Track 75 : Boilgate_83
- Track 76 : LilSpotty_85

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

The start number called the most often in the published annotations is 26, it was called in 108 of the 276 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ActinUp_97, Adephegia_95, Adonis_96, Ageofdapage_100, AlishaPH_89, Amgine_97, Amohnition_95, Anaya_99, Angelica_95, Apocalypse_99, Applecrisp_95, Asayake_97, Atiba_97, BEEST_96, BGlluviae_96, BaghaKamala_96, BarrelRoll_96, Beezoo_100, Bella96_98, Belladonna_97, Bern_97, Blizzard_97, Boiiii_97, CREW_95, CallaLilly_96, Capricorn_97, CaseJules_100, CheetoDust_96, Clipper_100, CrimD_96, Dalmuri_97, DartGoblin_99, DarthP_95, Deby_96, Devera_103, DismalFunk_94, DismalStressor_94, Dole_99, DrHayes_98, Durfee_97, Efra2_104, Ekdilam_92, Ellie_96, Emerson_101, Fefferhead_98, Findley_94, Ganymede_96, Geraldini_97, Guanica15_103, Hammy_95, HedwigODU_96, Homura_95, Hyperbowlee_95, Illumine_100, Inky_96, JAWS_95, Jarvi_96, Jayhawk_100, Jeckyll_97, Joy99_98, LaterM_96, Lavahound_97, LindNT_94, Llorens_96, Lunahalos_96, MacKat_92, Marcoliusprime_92, Marshawn_96, MeaningOfLife_98, Megsy_102, Milly_94, Mufasa_94, Murucutumbu_96, Mynx_97, Niklas_98, November_94, Padfoot_96, Padpat_101, Peanam_99, Peel_96, Piatt_95, Pisa1_97, Pisa4_91, Pokerus_96, Prithvi_98, QuincyRose_94, Ramen_97, Rapunzel97_99, Rosmarinus_97, SamuelLPlaqsom_98, Shaobing_96, ShiaSurprise_99, Slimphazie_99, Spock_96, Stinson_97, Strobilo_95, Sulley_95, Tachez_97, TaiwanKao_98, TiniBug_95, Tiri_97, Topper_96, TreyKay_98, TruffulaTree_98, Twitch_97, Urkel_98, Validus_106, Veliki_97, YoureAdopted_95, Yunkel11_101, Zabiza_92, Zavala_98, ZoeJ_92,

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

- Anma_99, BoostSeason_94, Chavito_99, Dartin_98, Doughnut_95, McMater_98, Richo_98, TM4_92,

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

- Agent47_97, AizenPogi_63, AlleyCat_100, Amelie_77, Aminay_104, Angel_60, Annihilator_61, Antsirabe_65, Aroostook_62, Avocado_67, Avrafan_61, AzulaCat_63, BPs_62, BQuat_61, BananenDer11_95, Barkley26_59, BigSherm_65, Biglebops_77, Bobquesha_91, Boilgate_83, BruceB_62, Bryler_94, CLED96_61, Cain_102, Cambiare_66, Camri_62, CassieYates_62, Cedasite_62, Chance64_62, Chancellor_94, Cheetobro_92, Cherrybomb426_61, Chris_101, Cloudyecho_66, Coleslaw_61, Collard_95, Crespo_61, Curiosium_104, DMoney_61, DNAlII_0059, Dadosky_100, DanSyl44_97, Darionha_62, DingDing_61, DoubleChamp_96, ECartman_60, Edugator_92, Enkosi_79, Eponine_96, Feyre_98, Fionnbharth_94, FlagStaff_64, Frosty24_62, Gengar_96, Gideon_62, GodSpeed_63, GoldenAsh_60, Gomashi_61, Grizzly_61, Guillsminger_96, Halo_63, Heftyboy_96, Hope_62, Hotshotbaby7_62, Hurricane_98, IdentityCrisis_61, InvictusManeo_97, JF1_94, Jane_63, Jeilious_62, Jolene_62, Jolie2_61, Jonghyun_60, JorRay_63, Juliette_96, Kareem_63, Kasen3_63, Keshu_101, KiSi_104, Kratio_100, Kraw_94, Krueger_101, Larva_98, LastHope_103, LeMond_103, Lea83_98, Lebo14_93, Lemuria_64, Leston_95, Liefie_59, LilDirt_96, LilPharaoh_78, LilSpotty_85, LouisV14_64, Lucky10_70, MOOREtheMARYer_66, MacnCheese_99, Maliketh_61, Malthus_95, MarkPhew_103, Marmie_62, Mdavu_78, Mercurio_63, Miryou_98, MissDaisy_88, Mitti_94, Morkie_74, Mowgli_62, Neighly_100, Neoh_60, Nibb_103, Nikao_80, Nutello_77, OctaviousRex_61, OkiRoe_97, Olga_63, OmniCritical_94, Omnicron_96, Oscar_104, Pace1224_67, Paito_63, Paola_93, Patt_87, Peeb_61, Periodt_62, Pharb_97, PhelpsODU_92, Phish_61, Phloodle_61, PhorbesPhlower_72, Phrank_103, Phreak_62, PinkYoshi_62, Pinnie_65, Pitbull_79, Pixie_100, Plagueis_62, Psycho_98, Qhanda_94, Rabbs_63, Rando14_92, Rattrick_62, Remy19_62, Renaissance_61, Reptar3000_88, Richarlison_63, Ruriko_60, Ruthiejr_96, SamScheppers_93, Scarlett_103, Schiebel_60, SgtBeansprout_78, ShaboiShabazz_61, Shadow1_100, ShawBrad_1, ShedlockHolmes_100, SirPhilip_98, Sizemore_63, Slarp_92, Sneeze_62, SoSeph_96, Stargaze_65, Sunflower1121_100, Sweets_62, Syra333_99, TBond007_97, TClif_100, Taheera_58, Taquito_94, Teejan_79, Terror_58, Thyatira_97, Tierra_102, Tigress9_101, TinaBug_63, TingHuaYa_101, TomBrady_62, Torres_80, TripleTrouble_97, Trice_77, Unicorn_102, ViviJ_105, WST1_61, Waterfoul_95, Wendigo_61, Wintermute_94, Ximenita_103, Y10_90, Y2_90, YangYin_67, YasnayaPolyana_93, Yuna_100, ZoMa_61, Zombie_62,

Summary by start number:

Start 12:

- Found in 2 of 315 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 276
- Called 100.0% of time when present
- Phage (with cluster) where this start called: IdentityCrisis_61 (AJ), WST1_61 (AJ),

Start 18:

- Found in 86 of 315 (27.3%) of genes in pham
- Manual Annotations of this start: 71 of 276
- Called 97.7% of time when present
- Phage (with cluster) where this start called: AizenPogi_63 (G1), Angel_60 (G1), Annihilator_61 (G1), Antsirabe_65 (G5), Aroostook_62 (G1), Avocado_67 (G2), Avrafan_61 (G1), AzulaCat_63 (G1), BPs_62 (G1), BQuat_61 (G1), Barkley26_59 (G1), BruceB_62 (G1), CLED96_61 (G1), Cambiare_66 (G2), Camri_62 (G1), CassieYates_62 (G1), Cedasite_62 (G1), Chance64_62 (G1), Cherrybomb426_61 (G1), Cloudyecho_66 (G3), Coleslaw_61 (G1), Crespo_61 (G1), DMoney_61 (G1),

DNAIII_0059 (G1), Darionha_62 (G1), DingDing_61 (G1), ECartman_60 (G1), FlagStaff_64 (G2), Frosty24_62 (G1), Gideon_62 (G1), GoldenAsh_60 (G1), Gomashi_61 (G1), Grizzly_61 (G1), Halo_63 (G1), Hope_62 (G1), Hotshotbaby7_62 (G1), Jane_63 (G1), Jeilious_62 (G), Jolene_62 (G1), Jolie2_61 (G4), Jonghyun_60 (G1), JorRay_63 (G1), Kareem_63 (G1), Kasen3_63 (G1), Lemuria_64 (G4), Liefie_59 (G1), LouisV14_64 (G1), MOOREtheMARRYer_66 (G3), Maliketh_61 (G1), Marmie_62 (G1), Mercurio_63 (G4), Mowgli_62 (G1), Neoh_60 (G), OctaviousRex_61 (G1), Olga_63 (G1), Paito_63 (G1), Peeb_61 (G1), Periodt_62 (G1), Phish_61 (G1), Phloodle_61 (G1), Phreak_62 (G1), PinkYoshi_62 (G1), Pinnie_65 (G3), Plagueis_62 (G1), Rabbs_63 (G1), Rattrick_62 (G1), Remy19_62 (G1), Renaissance_61 (G1), Richarlison_63 (G1), Ruriko_60 (G1), Schiebel_60 (G1), ShaboiShabazz_61 (G1), Sizemore_63 (G1), Sneeze_62 (G1), Stargaze_65 (G5), Sweets_62 (G1), Taheera_58 (G1), Terror_58 (G1), TinaBug_63 (G1), TomBrady_62 (G1), Wendigo_61 (G1), YangYin_67 (G5), ZoMa_61 (G1), Zombie_62 (G1),

Start 21:

- Found in 1 of 315 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 276
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_104 (K7),

Start 23:

- Found in 1 of 315 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 276
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yuna_100 (K6),

Start 24:

- Found in 26 of 315 (8.3%) of genes in pham
- Manual Annotations of this start: 23 of 276
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bobquesha_91 (K4), Boilgate_83 (K8), Chancellor_94 (K4), Cheetobro_92 (K4), DanSyl44_97 (K4), Eponine_96 (K4), Fionnbharth_94 (K4), JF1_94 (K4), Juliette_96 (K4), Kraw_94 (K4), Lebo14_93 (K4), Malthus_95 (K4), MissDaisy_88 (K4), Mitti_94 (K4), OmniCritical_94 (K4), Patt_87 (K4), Qhanda_94 (K4), Reptar3000_88 (K4), Ruthiejr_96 (K4), SamScheppers_93 (K4), Slarp_92 (K4), Taquito_94 (K4), Wintermute_94 (K4), Y10_90 (K4), Y2_90 (K4), YasnayaPolyana_93 (K4),

Start 25:

- Found in 59 of 315 (18.7%) of genes in pham
- Manual Annotations of this start: 45 of 276
- Called 83.1% of time when present
- Phage (with cluster) where this start called: Agent47_97 (K5), AlleyCat_100 (K5), BananenDer11_95 (K5), BoostSeason_94 (K2), Bryler_94 (K6), Cain_102 (K6), Chris_101 (K1), Collard_95 (K5), Dadosky_100 (K5), DoubleChamp_96 (K5), Doughnut_95 (K2), Edugator_92 (K5), Feyre_98 (K5), Gengar_96 (K5), Guillsminger_96 (K5), Heftyboy_96 (K5), InvictusManeo_97 (K5), KiSi_104 (K1), Kratio_100 (K5), Krueger_101 (K6), Larva_98 (K5), LeMond_103 (K1), Leston_95 (K5), LilDirt_96 (K5), MarkPhew_103 (K1), Miryou_98 (K5), Neighly_100 (K3), Nibb_103 (K1), OkiRoe_97 (K5), Omnicron_96 (K5), Oscar_104 (K1), Paola_93 (K5), PhelpsODU_92 (K6), Phrank_103 (K6), Psycho_98 (K5), Rando14_92 (K5), Scarlett_103 (K1), Shadow1_100 (K6), SirPhilip_98 (K6), SoSeph_96 (K5),

Sunflower1121_100 (K6), Syra333_99 (K6), TClif_100 (K6), TM4_92 (K2), Thyatira_97 (K5), Tierra_102 (K6), ViviJ_105 (K5), Waterfoul_95 (K5), Ximenita_103 (K6),

Start 26:

- Found in 121 of 315 (38.4%) of genes in pham
- Manual Annotations of this start: 108 of 276
- Called 93.4% of time when present
- Phage (with cluster) where this start called: ActinUp_97 (K1), Adephagia_95 (K1), Adonis_96 (K1), Ageofdapage_100 (K1), AlishaPH_89 (K1), Amgine_97 (K6), Amohntion_95 (K6), Anaya_99 (K1), Angelica_95 (K1), Apocalypse_99 (K1), Applecrisp_95 (K6), Asayake_97 (K1), Atiba_97 (K1), BEEST_96 (K1), BGlluviae_96 (K1), BaghaKamala_96 (K1), BarrelRoll_96 (K1), Beezoo_100 (K1), Bella96_98 (K1), Belladonna_97 (K1), Bern_97 (K1), Blizzard_97 (K1), Boiiii_97 (K1), CREW_95 (K1), CallaLilly_96 (K1), Capricorn_97 (K1), CaseJules_100 (K1), CheetoDust_96 (K1), Clipper_100 (K1), CrimD_96 (K1), Dalmuri_97 (K1), DartGoblin_99 (K1), DarthP_95 (K6), Deby_96 (K1), Devera_103 (K1), DismalFunk_94 (K2), DismalStressor_94 (K2), Dole_99 (K1), DrHayes_98 (K1), Durfee_97 (K1), Efra2_104 (K1), Ekdilam_92 (K6), Ellie_96 (K6), Emerson_101 (K1), Fefferhead_98 (K6), Findley_94 (K2), Ganymede_96 (K1), Geraldini_97 (K1), Guanica15_103 (K1), Hammy_95 (K6), HedwigODU_96 (K1), Homura_95 (K1), Hyperbowlee_95 (K1), Illumine_100 (K1), Inky_96 (K1), JAWS_95 (K1), Jarvi_96 (K1), Jayhawk_100 (K1), Jeckyll_97 (K1), Joy99_98 (K1), LaterM_96 (K1), Lavahound_97 (K6), LindNT_94 (K1), Llorens_96 (K1), Lunahalos_96 (K1), MacKat_92 (K1), Marcoliusprime_92 (K2), Marshawn_96 (K6), MeaningOfLife_98 (K1), Megsy_102 (K1), Milly_94 (K2), Mufasa_94 (K2), Murucutumbu_96 (K1), Mynx_97 (K1), Niklas_98 (K1), November_94 (K6), Padfoot_96 (K1), Padpat_101 (K1), Peanam_99 (K1), Peel_96 (K1), Piatt_95 (K1), Pisa1_97 (K1), Pisa4_91 (K1), Pokerus_96 (K1), Prithvi_98 (K1), QuincyRose_94 (K1), Ramen_97 (K1), Rapunzel97_99 (K1), Rosmarinus_97 (K1), SamuelLPlaqson_98 (K1), Shaobing_96 (K1), ShiaSurprise_99 (K1), Slimphazie_99 (K1), Spock_96 (K1), Stinson_97 (K1), Strobilo_95 (K2), Sulley_95 (K1), Tachez_97 (K1), TaiwanKao_98 (K1), TiniBug_95 (K1), Tiri_97 (K1), Topper_96 (K1), TreyKay_98 (K1), TruffulaTree_98 (K1), Twitch_97 (K1), Urkel_98 (K1), Validus_106 (K1), Veliki_97 (K1), YoureAdopted_95 (K1), Yunkel11_101 (K1), Zabiza_92 (K1), Zavala_98 (K1), ZoeJ_92 (K2),

Start 27:

- Found in 2 of 315 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 276
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Morkie_74 (DH), PhorbesPhlower_72 (DH),

Start 28:

- Found in 23 of 315 (7.3%) of genes in pham
- Manual Annotations of this start: 20 of 276
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amelie_77 (K1), Binglebops_77 (K1), Curiosium_104 (K1), Enkosi_79 (K1), Hurricane_98 (K3), Keshu_101 (K3), LastHope_103 (K1), Lea83_98 (K3), LilPharaoh_78 (K1), MacnCheese_99 (K3), Mdavu_78 (K1), Nikao_80 (K1), Nutello_77 (K1), Pharb_97 (K3), Pixie_100 (K3), SgtBeansprout_78 (K1), ShedlockHolmes_100 (K3), TBond007_97 (K3), Teejan_79 (K1), TingHuaYa_101 (K1), Torres_80 (K1), TribbleTrouble_97 (K3), Trice_77 (K1),

Start 29:

- Found in 1 of 315 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 276
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lucky10_70 (DH),

Start 30:

- Found in 2 of 315 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 276
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilSpotty_85 (singleton), Pitbull_79 (FQ),

Start 34:

- Found in 2 of 315 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: ShawBrad_1 (DN1),

Start 35:

- Found in 1 of 315 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BigSherm_65 (FF),

Start 36:

- Found in 135 of 315 (42.9%) of genes in pham
- Manual Annotations of this start: 1 of 276
- Called 5.2% of time when present
- Phage (with cluster) where this start called: Anma_99 (K1), Chavito_99 (K1), Dartin_98 (K1), McMater_98 (K1), Richo_98 (K1), Tigress9_101 (K6), Unicorn_102 (K6),

Start 41:

- Found in 9 of 315 (2.9%) of genes in pham
- No Manual Annotations of this start.
- Called 22.2% of time when present
- Phage (with cluster) where this start called: GodSpeed_63 (G2), Pace1224_67 (G2),

Summary by clusters:

There are 20 clusters represented in this pham: DH, singleton, G4, G3, G2, G1, FF, AJ, G, G5, K3, K2, K1, FQ, K7, K6, K5, K4, DN1, K8,

Info for manual annotations of cluster AJ:

- Start number 12 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster DH:

- Start number 27 was manually annotated 2 times for cluster DH.
- Start number 29 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster FQ:

- Start number 30 was manually annotated 1 time for cluster FQ.

Info for manual annotations of cluster G1:

- Start number 18 was manually annotated 62 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 18 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 18 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 18 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 18 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster K1:

- Start number 25 was manually annotated 7 times for cluster K1.
- Start number 26 was manually annotated 90 times for cluster K1.
- Start number 28 was manually annotated 11 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 25 was manually annotated 3 times for cluster K2.
- Start number 26 was manually annotated 8 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 28 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 24 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 25 was manually annotated 23 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 23 was manually annotated 1 time for cluster K6.
- Start number 25 was manually annotated 12 times for cluster K6.
- Start number 26 was manually annotated 10 times for cluster K6.
- Start number 36 was manually annotated 1 time for cluster K6.

Info for manual annotations of cluster K7:

- Start number 21 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 24 was manually annotated 1 time for cluster K8.

Gene Information:

Gene: ActinUp_97 Start: 59451, Stop: 59753, Start Num: 26
Candidate Starts for ActinUp_97:
(20, 59430), (Start: 26 @59451 has 108 MA's), (Start: 36 @59526 has 1 MA's), (64, 59712), (67, 59727),

Gene: Adephagia_95 Start: 59285, Stop: 59587, Start Num: 26
Candidate Starts for Adephagia_95:
(20, 59264), (Start: 26 @59285 has 108 MA's), (Start: 36 @59360 has 1 MA's), (64, 59546), (67, 59561),

Gene: Adonis_96 Start: 59670, Stop: 59972, Start Num: 26
Candidate Starts for Adonis_96:
(20, 59649), (Start: 26 @59670 has 108 MA's), (Start: 36 @59745 has 1 MA's), (64, 59931), (67, 59946),

Gene: Agent47_97 Start: 60723, Stop: 61028, Start Num: 25
Candidate Starts for Agent47_97:
(Start: 25 @60723 has 45 MA's), (45, 60891),

Gene: Ageofdapage_100 Start: 60254, Stop: 60556, Start Num: 26
Candidate Starts for Ageofdapage_100:
(20, 60233), (Start: 26 @60254 has 108 MA's), (33, 60305), (Start: 36 @60329 has 1 MA's), (64, 60515), (67, 60530),

Gene: AizenPogi_63 Start: 41125, Stop: 41451, Start Num: 18
Candidate Starts for AizenPogi_63:
(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: AlishaPH_89 Start: 56673, Stop: 56975, Start Num: 26
Candidate Starts for AlishaPH_89:
(20, 56652), (Start: 26 @56673 has 108 MA's), (Start: 36 @56748 has 1 MA's), (64, 56934), (67, 56949),

Gene: AlleyCat_100 Start: 61692, Stop: 61997, Start Num: 25
Candidate Starts for AlleyCat_100:
(Start: 25 @61692 has 45 MA's), (40, 61830),

Gene: Amelie_77 Start: 56074, Stop: 56379, Start Num: 28
Candidate Starts for Amelie_77:
(5, 55942), (Start: 28 @56074 has 20 MA's), (Start: 36 @56149 has 1 MA's), (40, 56194), (64, 56338), (65, 56344), (67, 56353),

Gene: Amgine_97 Start: 61886, Stop: 62176, Start Num: 26
Candidate Starts for Amgine_97:
(Start: 26 @61886 has 108 MA's), (Start: 36 @61961 has 1 MA's), (59, 62123),

Gene: Aminay_104 Start: 59192, Stop: 59479, Start Num: 21
Candidate Starts for Aminay_104:
(Start: 21 @59192 has 1 MA's), (44, 59342),

Gene: Amohnition_95 Start: 61401, Stop: 61697, Start Num: 26
Candidate Starts for Amohnition_95:

(Start: 26 @61401 has 108 MA's), (32, 61449), (Start: 36 @61476 has 1 MA's), (58, 61635), (65, 61662),

Gene: Anaya_99 Start: 60473, Stop: 60775, Start Num: 26

Candidate Starts for Anaya_99:

(20, 60452), (Start: 26 @60473 has 108 MA's), (Start: 36 @60548 has 1 MA's), (64, 60734), (67, 60749),

Gene: Angel_60 Start: 40665, Stop: 40991, Start Num: 18

Candidate Starts for Angel_60:

(Start: 18 @40665 has 71 MA's), (45, 40860), (57, 40938),

Gene: Angelica_95 Start: 59237, Stop: 59539, Start Num: 26

Candidate Starts for Angelica_95:

(20, 59216), (Start: 26 @59237 has 108 MA's), (Start: 36 @59312 has 1 MA's), (64, 59498), (67, 59513),

Gene: Anma_99 Start: 60243, Stop: 60470, Start Num: 36

Candidate Starts for Anma_99:

(20, 60147), (Start: 26 @60168 has 108 MA's), (Start: 36 @60243 has 1 MA's), (64, 60429), (67, 60444),

Gene: Annihilator_61 Start: 41117, Stop: 41443, Start Num: 18

Candidate Starts for Annihilator_61:

(Start: 18 @41117 has 71 MA's), (45, 41312), (57, 41390),

Gene: Antsirabe_65 Start: 44050, Stop: 44373, Start Num: 18

Candidate Starts for Antsirabe_65:

(Start: 18 @44050 has 71 MA's), (31, 44101), (41, 44221), (42, 44224), (44, 44236),

Gene: Apocalypse_99 Start: 59588, Stop: 59890, Start Num: 26

Candidate Starts for Apocalypse_99:

(20, 59567), (Start: 26 @59588 has 108 MA's), (Start: 36 @59663 has 1 MA's), (39, 59699), (64, 59849), (67, 59864),

Gene: Applecrisp_95 Start: 61604, Stop: 61894, Start Num: 26

Candidate Starts for Applecrisp_95:

(Start: 26 @61604 has 108 MA's), (Start: 36 @61679 has 1 MA's), (59, 61841),

Gene: Aroostook_62 Start: 41127, Stop: 41453, Start Num: 18

Candidate Starts for Aroostook_62:

(Start: 18 @41127 has 71 MA's), (45, 41322), (57, 41400),

Gene: Asayake_97 Start: 59544, Stop: 59846, Start Num: 26

Candidate Starts for Asayake_97:

(20, 59523), (Start: 26 @59544 has 108 MA's), (Start: 36 @59619 has 1 MA's), (64, 59805), (67, 59820),

Gene: Atiba_97 Start: 59195, Stop: 59497, Start Num: 26

Candidate Starts for Atiba_97:

(20, 59174), (Start: 26 @59195 has 108 MA's), (Start: 36 @59270 has 1 MA's), (64, 59456), (67, 59471),

Gene: Avocado_67 Start: 44700, Stop: 45026, Start Num: 18
Candidate Starts for Avocado_67:
(Start: 18 @44700 has 71 MA's), (31, 44754),

Gene: Avrafan_61 Start: 41125, Stop: 41451, Start Num: 18
Candidate Starts for Avrafan_61:
(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: AzulaCat_63 Start: 41125, Stop: 41451, Start Num: 18
Candidate Starts for AzulaCat_63:
(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: BEEST_96 Start: 59545, Stop: 59847, Start Num: 26
Candidate Starts for BEEST_96:
(20, 59524), (Start: 26 @59545 has 108 MA's), (Start: 36 @59620 has 1 MA's), (64, 59806), (67, 59821),

Gene: BGIlluviae_96 Start: 58947, Stop: 59249, Start Num: 26
Candidate Starts for BGIlluviae_96:
(20, 58926), (Start: 26 @58947 has 108 MA's), (Start: 36 @59022 has 1 MA's), (64, 59208), (67, 59223),

Gene: BPs_62 Start: 41125, Stop: 41451, Start Num: 18
Candidate Starts for BPs_62:
(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: BQuat_61 Start: 41117, Stop: 41443, Start Num: 18
Candidate Starts for BQuat_61:
(Start: 18 @41117 has 71 MA's), (45, 41312), (57, 41390),

Gene: BaghaKamala_96 Start: 58771, Stop: 59073, Start Num: 26
Candidate Starts for BaghaKamala_96:
(20, 58750), (Start: 26 @58771 has 108 MA's), (Start: 36 @58846 has 1 MA's), (64, 59032), (67, 59047),

Gene: BananenDer11_95 Start: 60975, Stop: 61280, Start Num: 25
Candidate Starts for BananenDer11_95:
(Start: 25 @60975 has 45 MA's), (45, 61143),

Gene: Barkley26_59 Start: 40570, Stop: 40896, Start Num: 18
Candidate Starts for Barkley26_59:
(Start: 18 @40570 has 71 MA's),

Gene: BarrelRoll_96 Start: 59311, Stop: 59613, Start Num: 26
Candidate Starts for BarrelRoll_96:
(20, 59290), (Start: 26 @59311 has 108 MA's), (Start: 36 @59386 has 1 MA's), (64, 59572), (67, 59587),

Gene: Beezoo_100 Start: 60133, Stop: 60435, Start Num: 26
Candidate Starts for Beezoo_100:
(20, 60112), (Start: 26 @60133 has 108 MA's), (Start: 36 @60208 has 1 MA's), (64, 60394), (67, 60409),

Gene: Bella96_98 Start: 60366, Stop: 60668, Start Num: 26

Candidate Starts for Bella96_98:

(20, 60345), (Start: 26 @60366 has 108 MA's), (Start: 36 @60441 has 1 MA's), (64, 60627),

Gene: Belladonna_97 Start: 59347, Stop: 59649, Start Num: 26

Candidate Starts for Belladonna_97:

(20, 59326), (Start: 26 @59347 has 108 MA's), (Start: 36 @59422 has 1 MA's), (64, 59608), (67, 59623),

Gene: Bern_97 Start: 58007, Stop: 58309, Start Num: 26

Candidate Starts for Bern_97:

(20, 57986), (Start: 26 @58007 has 108 MA's), (Start: 36 @58082 has 1 MA's), (64, 58268), (67, 58283),

Gene: BigSherm_65 Start: 41400, Stop: 41600, Start Num: 35

Candidate Starts for BigSherm_65:

(8, 41205), (35, 41400), (42, 41460), (54, 41532), (66, 41574),

Gene: Biglebops_77 Start: 56089, Stop: 56394, Start Num: 28

Candidate Starts for Biglebops_77:

(5, 55957), (Start: 28 @56089 has 20 MA's), (Start: 36 @56164 has 1 MA's), (40, 56209), (64, 56353), (65, 56359), (67, 56368),

Gene: Blizzard_97 Start: 59544, Stop: 59846, Start Num: 26

Candidate Starts for Blizzard_97:

(20, 59523), (Start: 26 @59544 has 108 MA's), (Start: 36 @59619 has 1 MA's), (64, 59805), (67, 59820),

Gene: Bobquesha_91 Start: 54304, Stop: 54585, Start Num: 24

Candidate Starts for Bobquesha_91:

(Start: 24 @54304 has 23 MA's), (66, 54553), (67, 54559),

Gene: Boiiii_97 Start: 59546, Stop: 59848, Start Num: 26

Candidate Starts for Boiiii_97:

(20, 59525), (Start: 26 @59546 has 108 MA's), (Start: 36 @59621 has 1 MA's), (64, 59807), (67, 59822),

Gene: Boilgate_83 Start: 56925, Stop: 57236, Start Num: 24

Candidate Starts for Boilgate_83:

(Start: 24 @56925 has 23 MA's), (67, 57207),

Gene: BoostSeason_94 Start: 57637, Stop: 57918, Start Num: 25

Candidate Starts for BoostSeason_94:

(Start: 25 @57637 has 45 MA's), (Start: 26 @57640 has 108 MA's), (67, 57898),

Gene: BruceB_62 Start: 41125, Stop: 41451, Start Num: 18

Candidate Starts for BruceB_62:

(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: Bryler_94 Start: 57308, Stop: 57616, Start Num: 25

Candidate Starts for Bryler_94:

(Start: 25 @57308 has 45 MA's), (Start: 36 @57383 has 1 MA's), (67, 57590),

Gene: CLED96_61 Start: 40680, Stop: 41006, Start Num: 18
Candidate Starts for CLED96_61:
(Start: 18 @40680 has 71 MA's), (45, 40875), (57, 40953),

Gene: CREW_95 Start: 59346, Stop: 59648, Start Num: 26
Candidate Starts for CREW_95:
(20, 59325), (Start: 26 @59346 has 108 MA's), (Start: 36 @59421 has 1 MA's), (64, 59607), (67, 59622),

Gene: Cain_102 Start: 60455, Stop: 60763, Start Num: 25
Candidate Starts for Cain_102:
(Start: 25 @60455 has 45 MA's), (Start: 36 @60530 has 1 MA's), (67, 60737),

Gene: CallaLilly_96 Start: 59270, Stop: 59572, Start Num: 26
Candidate Starts for CallaLilly_96:
(20, 59249), (Start: 26 @59270 has 108 MA's), (Start: 36 @59345 has 1 MA's), (64, 59531), (67, 59546),

Gene: Cambiare_66 Start: 44472, Stop: 44798, Start Num: 18
Candidate Starts for Cambiare_66:
(Start: 18 @44472 has 71 MA's), (31, 44526), (41, 44646),

Gene: Camri_62 Start: 41125, Stop: 41451, Start Num: 18
Candidate Starts for Camri_62:
(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: Capricorn_97 Start: 59347, Stop: 59649, Start Num: 26
Candidate Starts for Capricorn_97:
(20, 59326), (Start: 26 @59347 has 108 MA's), (Start: 36 @59422 has 1 MA's), (64, 59608), (67, 59623),

Gene: CaseJules_100 Start: 59544, Stop: 59846, Start Num: 26
Candidate Starts for CaseJules_100:
(20, 59523), (Start: 26 @59544 has 108 MA's), (Start: 36 @59619 has 1 MA's), (64, 59805), (67, 59820),

Gene: CassieYates_62 Start: 41125, Stop: 41451, Start Num: 18
Candidate Starts for CassieYates_62:
(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: Cedasite_62 Start: 41125, Stop: 41451, Start Num: 18
Candidate Starts for Cedasite_62:
(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: Chance64_62 Start: 41127, Stop: 41453, Start Num: 18
Candidate Starts for Chance64_62:
(Start: 18 @41127 has 71 MA's), (45, 41322), (57, 41400),

Gene: Chancellor_94 Start: 56785, Stop: 57090, Start Num: 24
Candidate Starts for Chancellor_94:
(Start: 24 @56785 has 23 MA's), (67, 57064),

Gene: Chavito_99 Start: 61820, Stop: 62032, Start Num: 36

Candidate Starts for Chavito_99:

(11, 61682), (Start: 26 @61745 has 108 MA's), (Start: 36 @61820 has 1 MA's), (51, 61937), (65, 61997),

Gene: CheetoDust_96 Start: 58941, Stop: 59243, Start Num: 26

Candidate Starts for CheetoDust_96:

(20, 58920), (Start: 26 @58941 has 108 MA's), (Start: 36 @59016 has 1 MA's), (64, 59202), (67, 59217),

Gene: Cheetobro_92 Start: 56341, Stop: 56646, Start Num: 24

Candidate Starts for Cheetobro_92:

(Start: 24 @56341 has 23 MA's), (67, 56620),

Gene: Cherrybomb426_61 Start: 40680, Stop: 41006, Start Num: 18

Candidate Starts for Cherrybomb426_61:

(Start: 18 @40680 has 71 MA's), (45, 40875), (57, 40953),

Gene: Chris_101 Start: 61722, Stop: 62015, Start Num: 25

Candidate Starts for Chris_101:

(Start: 25 @61722 has 45 MA's), (51, 61914), (53, 61923), (63, 61971), (69, 62001),

Gene: Clipper_100 Start: 60197, Stop: 60499, Start Num: 26

Candidate Starts for Clipper_100:

(Start: 26 @60197 has 108 MA's), (Start: 36 @60272 has 1 MA's), (64, 60458), (67, 60473),

Gene: Cloudyecho_66 Start: 44342, Stop: 44665, Start Num: 18

Candidate Starts for Cloudyecho_66:

(Start: 18 @44342 has 71 MA's), (31, 44393), (42, 44516), (44, 44528), (68, 44651),

Gene: Coleslaw_61 Start: 41117, Stop: 41443, Start Num: 18

Candidate Starts for Coleslaw_61:

(Start: 18 @41117 has 71 MA's), (45, 41312), (57, 41390),

Gene: Collard_95 Start: 60975, Stop: 61280, Start Num: 25

Candidate Starts for Collard_95:

(Start: 25 @60975 has 45 MA's), (45, 61143),

Gene: Crespo_61 Start: 41126, Stop: 41452, Start Num: 18

Candidate Starts for Crespo_61:

(Start: 18 @41126 has 71 MA's), (45, 41321), (57, 41399),

Gene: CrimD_96 Start: 59439, Stop: 59741, Start Num: 26

Candidate Starts for CrimD_96:

(20, 59418), (Start: 26 @59439 has 108 MA's), (Start: 36 @59514 has 1 MA's), (64, 59700), (67, 59715),

Gene: Curiosium_104 Start: 60864, Stop: 61154, Start Num: 28

Candidate Starts for Curiosium_104:

(Start: 28 @60864 has 20 MA's),

Gene: DMoney_61 Start: 41104, Stop: 41430, Start Num: 18

Candidate Starts for DMoney_61:

(Start: 18 @41104 has 71 MA's), (45, 41299), (57, 41377),

Gene: DNAIII_0059 Start: 38754, Stop: 39080, Start Num: 18

Candidate Starts for DNAIII_0059:

(Start: 18 @38754 has 71 MA's), (45, 38949), (57, 39027),

Gene: Dadosky_100 Start: 61693, Stop: 61998, Start Num: 25

Candidate Starts for Dadosky_100:

(Start: 25 @61693 has 45 MA's), (40, 61831),

Gene: Dalmuri_97 Start: 59347, Stop: 59649, Start Num: 26

Candidate Starts for Dalmuri_97:

(20, 59326), (Start: 26 @59347 has 108 MA's), (Start: 36 @59422 has 1 MA's), (64, 59608), (67, 59623),

Gene: DanSyl44_97 Start: 58171, Stop: 58476, Start Num: 24

Candidate Starts for DanSyl44_97:

(Start: 24 @58171 has 23 MA's), (67, 58450),

Gene: Darionha_62 Start: 41125, Stop: 41451, Start Num: 18

Candidate Starts for Darionha_62:

(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: DartGoblin_99 Start: 60040, Stop: 60342, Start Num: 26

Candidate Starts for DartGoblin_99:

(20, 60019), (Start: 26 @60040 has 108 MA's), (Start: 36 @60115 has 1 MA's), (64, 60301), (67, 60316),

Gene: DarthP_95 Start: 61234, Stop: 61530, Start Num: 26

Candidate Starts for DarthP_95:

(Start: 26 @61234 has 108 MA's), (32, 61282), (Start: 36 @61309 has 1 MA's), (58, 61468), (65, 61495),

Gene: Dartin_98 Start: 61129, Stop: 61341, Start Num: 36

Candidate Starts for Dartin_98:

(2, 60727), (11, 60991), (Start: 26 @61054 has 108 MA's), (Start: 36 @61129 has 1 MA's), (51, 61246), (60, 61291), (69, 61327),

Gene: Deby_96 Start: 60102, Stop: 60404, Start Num: 26

Candidate Starts for Deby_96:

(20, 60081), (Start: 26 @60102 has 108 MA's), (Start: 36 @60177 has 1 MA's), (64, 60363), (67, 60378),

Gene: Devera_103 Start: 60259, Stop: 60561, Start Num: 26

Candidate Starts for Devera_103:

(20, 60238), (Start: 26 @60259 has 108 MA's), (33, 60310), (Start: 36 @60334 has 1 MA's), (64, 60520), (67, 60535),

Gene: DingDing_61 Start: 41125, Stop: 41451, Start Num: 18

Candidate Starts for DingDing_61:

(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: DismalFunk_94 Start: 57690, Stop: 57968, Start Num: 26

Candidate Starts for DismalFunk_94:

(Start: 25 @57687 has 45 MA's), (Start: 26 @57690 has 108 MA's), (45, 57840), (67, 57948),

Gene: DismalStressor_94 Start: 57690, Stop: 57968, Start Num: 26

Candidate Starts for DismalStressor_94:

(Start: 25 @57687 has 45 MA's), (Start: 26 @57690 has 108 MA's), (45, 57840), (67, 57948),

Gene: Dole_99 Start: 60262, Stop: 60564, Start Num: 26

Candidate Starts for Dole_99:

(20, 60241), (Start: 26 @60262 has 108 MA's), (33, 60313), (Start: 36 @60337 has 1 MA's), (64, 60523), (67, 60538),

Gene: DoubleChamp_96 Start: 60975, Stop: 61280, Start Num: 25

Candidate Starts for DoubleChamp_96:

(Start: 25 @60975 has 45 MA's), (45, 61143),

Gene: Doughnut_95 Start: 57819, Stop: 58100, Start Num: 25

Candidate Starts for Doughnut_95:

(Start: 25 @57819 has 45 MA's), (Start: 26 @57822 has 108 MA's), (67, 58080),

Gene: DrHayes_98 Start: 60168, Stop: 60470, Start Num: 26

Candidate Starts for DrHayes_98:

(20, 60147), (Start: 26 @60168 has 108 MA's), (Start: 36 @60243 has 1 MA's), (64, 60429), (67, 60444),

Gene: Durfee_97 Start: 59544, Stop: 59846, Start Num: 26

Candidate Starts for Durfee_97:

(20, 59523), (Start: 26 @59544 has 108 MA's), (Start: 36 @59619 has 1 MA's), (64, 59805), (67, 59820),

Gene: ECartman_60 Start: 41125, Stop: 41451, Start Num: 18

Candidate Starts for ECartman_60:

(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: Edugator_92 Start: 62924, Stop: 63229, Start Num: 25

Candidate Starts for Edugator_92:

(Start: 25 @62924 has 45 MA's), (40, 63062), (45, 63092),

Gene: Efra2_104 Start: 60929, Stop: 61216, Start Num: 26

Candidate Starts for Efra2_104:

(Start: 26 @60929 has 108 MA's), (60, 61166), (65, 61181), (66, 61184),

Gene: Ekdilam_92 Start: 61413, Stop: 61709, Start Num: 26

Candidate Starts for Ekdilam_92:

(3, 61107), (Start: 26 @61413 has 108 MA's), (32, 61461), (Start: 36 @61488 has 1 MA's), (58, 61647), (65, 61674),

Gene: Ellie_96 Start: 61595, Stop: 61885, Start Num: 26

Candidate Starts for Ellie_96:

(Start: 26 @61595 has 108 MA's), (Start: 36 @61670 has 1 MA's), (59, 61832),

Gene: Emerson_101 Start: 59949, Stop: 60251, Start Num: 26

Candidate Starts for Emerson_101:

(20, 59928), (Start: 26 @59949 has 108 MA's), (Start: 36 @60024 has 1 MA's), (64, 60210), (67, 60225),

Gene: Enkosi_79 Start: 58687, Stop: 58992, Start Num: 28

Candidate Starts for Enkosi_79:

(5, 58555), (Start: 28 @58687 has 20 MA's), (Start: 36 @58762 has 1 MA's), (40, 58807), (64, 58951), (65, 58957), (67, 58966),

Gene: Eponine_96 Start: 57765, Stop: 58070, Start Num: 24

Candidate Starts for Eponine_96:

(Start: 24 @57765 has 23 MA's), (38, 57870), (67, 58044),

Gene: Fefferhead_98 Start: 61016, Stop: 61306, Start Num: 26

Candidate Starts for Fefferhead_98:

(Start: 26 @61016 has 108 MA's), (Start: 36 @61091 has 1 MA's), (59, 61253),

Gene: Feyre_98 Start: 63125, Stop: 63430, Start Num: 25

Candidate Starts for Feyre_98:

(Start: 25 @63125 has 45 MA's),

Gene: Findley_94 Start: 57711, Stop: 57989, Start Num: 26

Candidate Starts for Findley_94:

(Start: 25 @57708 has 45 MA's), (Start: 26 @57711 has 108 MA's), (45, 57861), (67, 57969),

Gene: Fionnbharth_94 Start: 57163, Stop: 57468, Start Num: 24

Candidate Starts for Fionnbharth_94:

(Start: 24 @57163 has 23 MA's), (38, 57268), (67, 57442),

Gene: FlagStaff_64 Start: 43887, Stop: 44213, Start Num: 18

Candidate Starts for FlagStaff_64:

(Start: 18 @43887 has 71 MA's), (31, 43941), (41, 44061),

Gene: Frosty24_62 Start: 41125, Stop: 41451, Start Num: 18

Candidate Starts for Frosty24_62:

(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: Ganymede_96 Start: 59358, Stop: 59660, Start Num: 26

Candidate Starts for Ganymede_96:

(20, 59337), (Start: 26 @59358 has 108 MA's), (Start: 36 @59433 has 1 MA's), (64, 59619), (67, 59634),

Gene: Gengar_96 Start: 61193, Stop: 61498, Start Num: 25

Candidate Starts for Gengar_96:

(Start: 25 @61193 has 45 MA's),

Gene: Geraldini_97 Start: 59457, Stop: 59759, Start Num: 26

Candidate Starts for Geraldini_97:

(20, 59436), (Start: 26 @59457 has 108 MA's), (Start: 36 @59532 has 1 MA's), (64, 59718), (67, 59733),

Gene: Gideon_62 Start: 41127, Stop: 41453, Start Num: 18

Candidate Starts for Gideon_62:

(Start: 18 @41127 has 71 MA's), (45, 41322), (57, 41400),

Gene: GodSpeed_63 Start: 43563, Stop: 43715, Start Num: 41
Candidate Starts for GodSpeed_63:
(Start: 18 @43389 has 71 MA's), (31, 43443), (41, 43563), (45, 43584), (57, 43662),

Gene: GoldenAsh_60 Start: 40665, Stop: 40991, Start Num: 18
Candidate Starts for GoldenAsh_60:
(Start: 18 @40665 has 71 MA's), (45, 40860), (57, 40938),

Gene: Gomashi_61 Start: 41127, Stop: 41453, Start Num: 18
Candidate Starts for Gomashi_61:
(Start: 18 @41127 has 71 MA's), (45, 41322), (57, 41400),

Gene: Grizzly_61 Start: 40976, Stop: 41302, Start Num: 18
Candidate Starts for Grizzly_61:
(Start: 18 @40976 has 71 MA's), (45, 41171), (57, 41249),

Gene: Guanica15_103 Start: 60618, Stop: 60905, Start Num: 26
Candidate Starts for Guanica15_103:
(Start: 26 @60618 has 108 MA's), (60, 60855), (65, 60870), (66, 60873),

Gene: Guillsminger_96 Start: 62720, Stop: 63025, Start Num: 25
Candidate Starts for Guillsminger_96:
(Start: 25 @62720 has 45 MA's),

Gene: Halo_63 Start: 41673, Stop: 41999, Start Num: 18
Candidate Starts for Halo_63:
(Start: 18 @41673 has 71 MA's), (45, 41868), (57, 41946),

Gene: Hammy_95 Start: 61452, Stop: 61748, Start Num: 26
Candidate Starts for Hammy_95:
(Start: 26 @61452 has 108 MA's), (32, 61500), (Start: 36 @61527 has 1 MA's), (58, 61686), (65, 61713),

Gene: HedwigODU_96 Start: 59451, Stop: 59753, Start Num: 26
Candidate Starts for HedwigODU_96:
(20, 59430), (Start: 26 @59451 has 108 MA's), (Start: 36 @59526 has 1 MA's), (64, 59712), (67, 59727),

Gene: Heftyboy_96 Start: 61535, Stop: 61840, Start Num: 25
Candidate Starts for Heftyboy_96:
(Start: 25 @61535 has 45 MA's),

Gene: Homura_95 Start: 59347, Stop: 59649, Start Num: 26
Candidate Starts for Homura_95:
(20, 59326), (Start: 26 @59347 has 108 MA's), (Start: 36 @59422 has 1 MA's), (64, 59608), (67, 59623),

Gene: Hope_62 Start: 41125, Stop: 41451, Start Num: 18
Candidate Starts for Hope_62:
(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: Hotshotbaby7_62 Start: 41127, Stop: 41453, Start Num: 18

Candidate Starts for Hotshotbaby7_62:
(Start: 18 @41127 has 71 MA's), (45, 41322), (57, 41400),

Gene: Hurricane_98 Start: 60965, Stop: 61252, Start Num: 28
Candidate Starts for Hurricane_98:
(14, 60923), (19, 60938), (Start: 28 @60965 has 20 MA's), (61, 61202), (67, 61226),

Gene: Hyperbowlee_95 Start: 59544, Stop: 59846, Start Num: 26
Candidate Starts for Hyperbowlee_95:
(20, 59523), (Start: 26 @59544 has 108 MA's), (Start: 36 @59619 has 1 MA's), (64, 59805), (67, 59820),

Gene: IdentityCrisis_61 Start: 37798, Stop: 38148, Start Num: 12
Candidate Starts for IdentityCrisis_61:
(Start: 12 @37798 has 1 MA's),

Gene: Illumine_100 Start: 60261, Stop: 60563, Start Num: 26
Candidate Starts for Illumine_100:
(20, 60240), (Start: 26 @60261 has 108 MA's), (33, 60312), (Start: 36 @60336 has 1 MA's), (64, 60522), (67, 60537),

Gene: Inky_96 Start: 59347, Stop: 59649, Start Num: 26
Candidate Starts for Inky_96:
(20, 59326), (Start: 26 @59347 has 108 MA's), (Start: 36 @59422 has 1 MA's), (64, 59608), (67, 59623),

Gene: InvictusManeo_97 Start: 60727, Stop: 61032, Start Num: 25
Candidate Starts for InvictusManeo_97:
(Start: 25 @60727 has 45 MA's), (45, 60895),

Gene: JAWS_95 Start: 59388, Stop: 59690, Start Num: 26
Candidate Starts for JAWS_95:
(20, 59367), (Start: 26 @59388 has 108 MA's), (Start: 36 @59463 has 1 MA's), (64, 59649), (67, 59664),

Gene: JF1_94 Start: 57078, Stop: 57383, Start Num: 24
Candidate Starts for JF1_94:
(Start: 24 @57078 has 23 MA's), (38, 57183), (67, 57357),

Gene: Jane_63 Start: 41125, Stop: 41451, Start Num: 18
Candidate Starts for Jane_63:
(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: Jarvi_96 Start: 59347, Stop: 59649, Start Num: 26
Candidate Starts for Jarvi_96:
(20, 59326), (Start: 26 @59347 has 108 MA's), (Start: 36 @59422 has 1 MA's), (64, 59608), (67, 59623),

Gene: Jayhawk_100 Start: 59371, Stop: 59673, Start Num: 26
Candidate Starts for Jayhawk_100:
(20, 59350), (Start: 26 @59371 has 108 MA's), (Start: 36 @59446 has 1 MA's), (64, 59632), (67, 59647),

Gene: Jeckyll_97 Start: 59347, Stop: 59649, Start Num: 26
Candidate Starts for Jeckyll_97:
(20, 59326), (Start: 26 @59347 has 108 MA's), (Start: 36 @59422 has 1 MA's), (64, 59608), (67, 59623),

Gene: Jeilious_62 Start: 41124, Stop: 41450, Start Num: 18
Candidate Starts for Jeilious_62:
(Start: 18 @41124 has 71 MA's), (45, 41319), (57, 41397),

Gene: Jolene_62 Start: 41529, Stop: 41855, Start Num: 18
Candidate Starts for Jolene_62:
(Start: 18 @41529 has 71 MA's), (45, 41724), (57, 41802),

Gene: Jolie2_61 Start: 43385, Stop: 43714, Start Num: 18
Candidate Starts for Jolie2_61:
(Start: 18 @43385 has 71 MA's), (43, 43568), (57, 43655),

Gene: Jonghyun_60 Start: 41128, Stop: 41454, Start Num: 18
Candidate Starts for Jonghyun_60:
(Start: 18 @41128 has 71 MA's), (45, 41323), (57, 41401),

Gene: JorRay_63 Start: 41125, Stop: 41451, Start Num: 18
Candidate Starts for JorRay_63:
(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: Joy99_98 Start: 59476, Stop: 59778, Start Num: 26
Candidate Starts for Joy99_98:
(20, 59455), (Start: 26 @59476 has 108 MA's), (Start: 36 @59551 has 1 MA's), (64, 59737), (67, 59752),

Gene: Juliette_96 Start: 57159, Stop: 57464, Start Num: 24
Candidate Starts for Juliette_96:
(Start: 24 @57159 has 23 MA's), (38, 57264), (67, 57438),

Gene: Kareem_63 Start: 41125, Stop: 41451, Start Num: 18
Candidate Starts for Kareem_63:
(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: Kasen3_63 Start: 41114, Stop: 41440, Start Num: 18
Candidate Starts for Kasen3_63:
(Start: 18 @41114 has 71 MA's), (45, 41309), (57, 41387),

Gene: Keshu_101 Start: 60898, Stop: 61185, Start Num: 28
Candidate Starts for Keshu_101:
(6, 60787), (9, 60811), (14, 60856), (19, 60871), (Start: 28 @60898 has 20 MA's), (61, 61135), (67, 61159),

Gene: KiSi_104 Start: 62208, Stop: 62504, Start Num: 25
Candidate Starts for KiSi_104:
(Start: 25 @62208 has 45 MA's), (51, 62400), (53, 62409),

Gene: Kratio_100 Start: 62318, Stop: 62623, Start Num: 25
Candidate Starts for Kratio_100:

(Start: 25 @62318 has 45 MA's), (45, 62486),

Gene: Kraw_94 Start: 56894, Stop: 57199, Start Num: 24

Candidate Starts for Kraw_94:

(Start: 24 @56894 has 23 MA's), (38, 56999), (67, 57173),

Gene: Krueger_101 Start: 59962, Stop: 60270, Start Num: 25

Candidate Starts for Krueger_101:

(Start: 25 @59962 has 45 MA's), (Start: 36 @60037 has 1 MA's), (67, 60244),

Gene: Larva_98 Start: 62571, Stop: 62876, Start Num: 25

Candidate Starts for Larva_98:

(Start: 25 @62571 has 45 MA's), (40, 62709),

Gene: LastHope_103 Start: 60575, Stop: 60865, Start Num: 28

Candidate Starts for LastHope_103:

(Start: 28 @60575 has 20 MA's), (49, 60758),

Gene: LaterM_96 Start: 59784, Stop: 60086, Start Num: 26

Candidate Starts for LaterM_96:

(20, 59763), (Start: 26 @59784 has 108 MA's), (33, 59835), (Start: 36 @59859 has 1 MA's), (64, 60045), (67, 60060),

Gene: Lavahound_97 Start: 62017, Stop: 62307, Start Num: 26

Candidate Starts for Lavahound_97:

(Start: 26 @62017 has 108 MA's), (Start: 36 @62092 has 1 MA's), (59, 62254),

Gene: LeMond_103 Start: 62165, Stop: 62461, Start Num: 25

Candidate Starts for LeMond_103:

(Start: 25 @62165 has 45 MA's), (51, 62357), (53, 62366),

Gene: Lea83_98 Start: 60751, Stop: 61038, Start Num: 28

Candidate Starts for Lea83_98:

(6, 60640), (14, 60709), (19, 60724), (Start: 28 @60751 has 20 MA's), (61, 60988), (67, 61012),

Gene: Lebo14_93 Start: 57318, Stop: 57623, Start Num: 24

Candidate Starts for Lebo14_93:

(Start: 24 @57318 has 23 MA's), (67, 57597),

Gene: Lemuria_64 Start: 44074, Stop: 44403, Start Num: 18

Candidate Starts for Lemuria_64:

(Start: 18 @44074 has 71 MA's), (43, 44257), (48, 44287), (57, 44344),

Gene: Leston_95 Start: 61375, Stop: 61680, Start Num: 25

Candidate Starts for Leston_95:

(Start: 25 @61375 has 45 MA's),

Gene: Liefie_59 Start: 40764, Stop: 41090, Start Num: 18

Candidate Starts for Liefie_59:

(Start: 18 @40764 has 71 MA's),

Gene: LilDirt_96 Start: 60776, Stop: 61081, Start Num: 25

Candidate Starts for LilDirt_96:

(Start: 25 @60776 has 45 MA's), (45, 60944),

Gene: LilPharaoh_78 Start: 55802, Stop: 56107, Start Num: 28

Candidate Starts for LilPharaoh_78:

(5, 55670), (Start: 28 @55802 has 20 MA's), (Start: 36 @55877 has 1 MA's), (40, 55922), (64, 56066), (65, 56072), (67, 56081),

Gene: LilSpotty_85 Start: 49411, Stop: 49689, Start Num: 30

Candidate Starts for LilSpotty_85:

(Start: 30 @49411 has 2 MA's), (66, 49663),

Gene: LindNT_94 Start: 59694, Stop: 59996, Start Num: 26

Candidate Starts for LindNT_94:

(20, 59673), (Start: 26 @59694 has 108 MA's), (Start: 36 @59769 has 1 MA's), (64, 59955), (67, 59970),

Gene: Llorens_96 Start: 59347, Stop: 59649, Start Num: 26

Candidate Starts for Llorens_96:

(20, 59326), (Start: 26 @59347 has 108 MA's), (Start: 36 @59422 has 1 MA's), (64, 59608), (67, 59623),

Gene: LouisV14_64 Start: 43369, Stop: 43695, Start Num: 18

Candidate Starts for LouisV14_64:

(Start: 18 @43369 has 71 MA's), (45, 43564), (57, 43642),

Gene: Lucky10_70 Start: 42595, Stop: 42897, Start Num: 29

Candidate Starts for Lucky10_70:

(7, 42496), (Start: 29 @42595 has 1 MA's), (51, 42802),

Gene: Lunahalos_96 Start: 59347, Stop: 59649, Start Num: 26

Candidate Starts for Lunahalos_96:

(20, 59326), (Start: 26 @59347 has 108 MA's), (Start: 36 @59422 has 1 MA's), (64, 59608), (67, 59623),

Gene: MOOREtheMARYer_66 Start: 43647, Stop: 43973, Start Num: 18

Candidate Starts for MOOREtheMARYer_66:

(Start: 18 @43647 has 71 MA's), (31, 43701), (41, 43821), (42, 43824),

Gene: MacKat_92 Start: 55081, Stop: 55383, Start Num: 26

Candidate Starts for MacKat_92:

(Start: 26 @55081 has 108 MA's), (Start: 36 @55156 has 1 MA's), (64, 55342), (67, 55357),

Gene: MacnCheese_99 Start: 61214, Stop: 61501, Start Num: 28

Candidate Starts for MacnCheese_99:

(10, 61130), (14, 61172), (19, 61187), (Start: 28 @61214 has 20 MA's),

Gene: Maliketh_61 Start: 41125, Stop: 41451, Start Num: 18

Candidate Starts for Maliketh_61:

(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: Malthus_95 Start: 56888, Stop: 57193, Start Num: 24

Candidate Starts for Malthus_95:

(Start: 24 @56888 has 23 MA's), (38, 56993), (67, 57167),

Gene: Marcoliusprime_92 Start: 57690, Stop: 57968, Start Num: 26
Candidate Starts for Marcoliusprime_92:
(Start: 25 @57687 has 45 MA's), (Start: 26 @57690 has 108 MA's), (45, 57840), (67, 57948),

Gene: MarkPhew_103 Start: 61805, Stop: 62098, Start Num: 25
Candidate Starts for MarkPhew_103:
(Start: 25 @61805 has 45 MA's), (Start: 36 @61880 has 1 MA's), (53, 62006), (69, 62084),

Gene: Marmie_62 Start: 41126, Stop: 41452, Start Num: 18
Candidate Starts for Marmie_62:
(Start: 18 @41126 has 71 MA's), (45, 41321), (57, 41399),

Gene: Marshawn_96 Start: 61097, Stop: 61411, Start Num: 26
Candidate Starts for Marshawn_96:
(Start: 26 @61097 has 108 MA's), (Start: 36 @61172 has 1 MA's), (66, 61379), (67, 61385),

Gene: McMater_98 Start: 61129, Stop: 61341, Start Num: 36
Candidate Starts for McMater_98:
(2, 60727), (11, 60991), (Start: 26 @61054 has 108 MA's), (Start: 36 @61129 has 1 MA's), (51, 61246),
(60, 61291), (69, 61327),

Gene: Mdavu_78 Start: 56078, Stop: 56383, Start Num: 28
Candidate Starts for Mdavu_78:
(5, 55946), (Start: 28 @56078 has 20 MA's), (Start: 36 @56153 has 1 MA's), (40, 56198), (64, 56342),
(65, 56348), (67, 56357),

Gene: MeaningOfLife_98 Start: 60071, Stop: 60373, Start Num: 26
Candidate Starts for MeaningOfLife_98:
(20, 60050), (Start: 26 @60071 has 108 MA's), (Start: 36 @60146 has 1 MA's), (64, 60332), (67,
60347),

Gene: Megsy_102 Start: 59832, Stop: 60134, Start Num: 26
Candidate Starts for Megsy_102:
(20, 59811), (Start: 26 @59832 has 108 MA's), (Start: 36 @59907 has 1 MA's), (64, 60093), (67,
60108),

Gene: Mercurio_63 Start: 43953, Stop: 44282, Start Num: 18
Candidate Starts for Mercurio_63:
(Start: 18 @43953 has 71 MA's), (43, 44136), (57, 44223),

Gene: Milly_94 Start: 57772, Stop: 58050, Start Num: 26
Candidate Starts for Milly_94:
(Start: 25 @57769 has 45 MA's), (Start: 26 @57772 has 108 MA's), (45, 57922), (67, 58030),

Gene: Miryou_98 Start: 62747, Stop: 63052, Start Num: 25
Candidate Starts for Miryou_98:
(Start: 25 @62747 has 45 MA's),

Gene: MissDaisy_88 Start: 53576, Stop: 53857, Start Num: 24
Candidate Starts for MissDaisy_88:
(Start: 24 @53576 has 23 MA's), (66, 53825), (67, 53831),

Gene: Mitti_94 Start: 56983, Stop: 57288, Start Num: 24
Candidate Starts for Mitti_94:
(Start: 24 @56983 has 23 MA's), (67, 57262),

Gene: Morkie_74 Start: 41703, Stop: 42008, Start Num: 27
Candidate Starts for Morkie_74:
(7, 41607), (Start: 27 @41703 has 2 MA's), (51, 41913),

Gene: Mowgli_62 Start: 41126, Stop: 41452, Start Num: 18
Candidate Starts for Mowgli_62:
(Start: 18 @41126 has 71 MA's), (45, 41321), (57, 41399),

Gene: Mufasa_94 Start: 57627, Stop: 57905, Start Num: 26
Candidate Starts for Mufasa_94:
(Start: 25 @57624 has 45 MA's), (Start: 26 @57627 has 108 MA's), (67, 57885),

Gene: Murucutumbu_96 Start: 60249, Stop: 60551, Start Num: 26
Candidate Starts for Murucutumbu_96:
(20, 60228), (Start: 26 @60249 has 108 MA's), (33, 60300), (Start: 36 @60324 has 1 MA's), (64, 60510), (67, 60525),

Gene: Mynx_97 Start: 59694, Stop: 59996, Start Num: 26
Candidate Starts for Mynx_97:
(20, 59673), (Start: 26 @59694 has 108 MA's), (Start: 36 @59769 has 1 MA's), (64, 59955), (67, 59970),

Gene: Neighly_100 Start: 62570, Stop: 62875, Start Num: 25
Candidate Starts for Neighly_100:
(Start: 25 @62570 has 45 MA's), (40, 62708),

Gene: Neoh_60 Start: 41118, Stop: 41444, Start Num: 18
Candidate Starts for Neoh_60:
(Start: 18 @41118 has 71 MA's), (45, 41313), (57, 41391),

Gene: Nibb_103 Start: 61945, Stop: 62238, Start Num: 25
Candidate Starts for Nibb_103:
(Start: 25 @61945 has 45 MA's), (Start: 36 @62020 has 1 MA's), (53, 62146), (63, 62194),

Gene: Nikao_80 Start: 58687, Stop: 58992, Start Num: 28
Candidate Starts for Nikao_80:
(5, 58555), (Start: 28 @58687 has 20 MA's), (Start: 36 @58762 has 1 MA's), (40, 58807), (64, 58951), (65, 58957), (67, 58966),

Gene: Niklas_98 Start: 60655, Stop: 60942, Start Num: 26
Candidate Starts for Niklas_98:
(2, 60328), (11, 60592), (Start: 26 @60655 has 108 MA's), (Start: 36 @60730 has 1 MA's), (51, 60847), (60, 60892), (69, 60928),

Gene: November_94 Start: 61155, Stop: 61454, Start Num: 26
Candidate Starts for November_94:
(Start: 26 @61155 has 108 MA's), (32, 61203), (Start: 36 @61230 has 1 MA's), (65, 61419),

Gene: Nutello_77 Start: 56074, Stop: 56379, Start Num: 28

Candidate Starts for Nutello_77:

(5, 55942), (Start: 28 @56074 has 20 MA's), (Start: 36 @56149 has 1 MA's), (40, 56194), (64, 56338), (65, 56344), (67, 56353),

Gene: OctaviousRex_61 Start: 41104, Stop: 41430, Start Num: 18

Candidate Starts for OctaviousRex_61:

(Start: 18 @41104 has 71 MA's), (45, 41299), (57, 41377),

Gene: OkiRoe_97 Start: 62228, Stop: 62533, Start Num: 25

Candidate Starts for OkiRoe_97:

(Start: 25 @62228 has 45 MA's),

Gene: Olga_63 Start: 41126, Stop: 41452, Start Num: 18

Candidate Starts for Olga_63:

(Start: 18 @41126 has 71 MA's), (45, 41321), (57, 41399),

Gene: OmniCritical_94 Start: 57061, Stop: 57366, Start Num: 24

Candidate Starts for OmniCritical_94:

(Start: 24 @57061 has 23 MA's), (67, 57340),

Gene: Omnicron_96 Start: 61077, Stop: 61382, Start Num: 25

Candidate Starts for Omnicron_96:

(13, 61029), (Start: 25 @61077 has 45 MA's), (45, 61245),

Gene: Oscar_104 Start: 62087, Stop: 62383, Start Num: 25

Candidate Starts for Oscar_104:

(Start: 25 @62087 has 45 MA's), (51, 62279), (53, 62288),

Gene: Pace1224_67 Start: 44087, Stop: 44239, Start Num: 41

Candidate Starts for Pace1224_67:

(Start: 18 @43913 has 71 MA's), (31, 43967), (41, 44087),

Gene: Padfoot_96 Start: 59544, Stop: 59846, Start Num: 26

Candidate Starts for Padfoot_96:

(20, 59523), (Start: 26 @59544 has 108 MA's), (Start: 36 @59619 has 1 MA's), (64, 59805), (67, 59820),

Gene: Padpat_101 Start: 59949, Stop: 60251, Start Num: 26

Candidate Starts for Padpat_101:

(20, 59928), (Start: 26 @59949 has 108 MA's), (Start: 36 @60024 has 1 MA's), (64, 60210), (67, 60225),

Gene: Paito_63 Start: 40764, Stop: 41090, Start Num: 18

Candidate Starts for Paito_63:

(Start: 18 @40764 has 71 MA's),

Gene: Paola_93 Start: 61102, Stop: 61407, Start Num: 25

Candidate Starts for Paola_93:

(Start: 25 @61102 has 45 MA's),

Gene: Patt_87 Start: 53723, Stop: 54004, Start Num: 24

Candidate Starts for Patt_87:

(Start: 24 @53723 has 23 MA's), (66, 53972), (67, 53978),

Gene: Peanam_99 Start: 60707, Stop: 60994, Start Num: 26
Candidate Starts for Peanam_99:
(2, 60395), (11, 60644), (Start: 26 @60707 has 108 MA's), (Start: 36 @60782 has 1 MA's), (51, 60899),
(60, 60944), (69, 60980),

Gene: Peeb_61 Start: 41100, Stop: 41426, Start Num: 18
Candidate Starts for Peeb_61:
(Start: 18 @41100 has 71 MA's), (45, 41295), (57, 41373),

Gene: Peel_96 Start: 59350, Stop: 59652, Start Num: 26
Candidate Starts for Peel_96:
(20, 59329), (Start: 26 @59350 has 108 MA's), (Start: 36 @59425 has 1 MA's), (64, 59611), (67,
59626),

Gene: Periodt_62 Start: 41518, Stop: 41844, Start Num: 18
Candidate Starts for Periodt_62:
(Start: 18 @41518 has 71 MA's),

Gene: Pharb_97 Start: 60473, Stop: 60760, Start Num: 28
Candidate Starts for Pharb_97:
(1, 60098), (4, 60224), (6, 60362), (10, 60389), (16, 60437), (Start: 28 @60473 has 20 MA's), (32,
60521), (57, 60701),

Gene: PhelpsODU_92 Start: 56221, Stop: 56529, Start Num: 25
Candidate Starts for PhelpsODU_92:
(Start: 25 @56221 has 45 MA's), (Start: 36 @56296 has 1 MA's), (67, 56503),

Gene: Phish_61 Start: 41125, Stop: 41451, Start Num: 18
Candidate Starts for Phish_61:
(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: Phloodle_61 Start: 41141, Stop: 41467, Start Num: 18
Candidate Starts for Phloodle_61:
(Start: 18 @41141 has 71 MA's), (45, 41336), (57, 41414),

Gene: PhorbesPhlower_72 Start: 41098, Stop: 41403, Start Num: 27
Candidate Starts for PhorbesPhlower_72:
(7, 41002), (Start: 27 @41098 has 2 MA's), (51, 41308),

Gene: Phrank_103 Start: 60753, Stop: 61058, Start Num: 25
Candidate Starts for Phrank_103:
(Start: 25 @60753 has 45 MA's), (Start: 36 @60828 has 1 MA's), (67, 61032),

Gene: Phreak_62 Start: 41125, Stop: 41451, Start Num: 18
Candidate Starts for Phreak_62:
(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: Piatt_95 Start: 59544, Stop: 59846, Start Num: 26
Candidate Starts for Piatt_95:
(20, 59523), (Start: 26 @59544 has 108 MA's), (Start: 36 @59619 has 1 MA's), (64, 59805), (67,
59820),

Gene: PinkYoshi_62 Start: 41117, Stop: 41443, Start Num: 18

Candidate Starts for PinkYoshi_62:

(Start: 18 @41117 has 71 MA's), (45, 41312), (57, 41390),

Gene: Pinnie_65 Start: 44002, Stop: 44328, Start Num: 18

Candidate Starts for Pinnie_65:

(Start: 18 @44002 has 71 MA's), (31, 44056), (41, 44176), (42, 44179),

Gene: Pisa1_97 Start: 60084, Stop: 60386, Start Num: 26

Candidate Starts for Pisa1_97:

(20, 60063), (Start: 26 @60084 has 108 MA's), (Start: 36 @60159 has 1 MA's), (64, 60345), (67, 60360),

Gene: Pisa4_91 Start: 55453, Stop: 55755, Start Num: 26

Candidate Starts for Pisa4_91:

(20, 55432), (Start: 26 @55453 has 108 MA's), (Start: 36 @55528 has 1 MA's), (64, 55714), (67, 55729),

Gene: Pitbull_79 Start: 41146, Stop: 41412, Start Num: 30

Candidate Starts for Pitbull_79:

(Start: 30 @41146 has 2 MA's), (40, 41263), (56, 41371),

Gene: Pixie_100 Start: 60794, Stop: 61081, Start Num: 28

Candidate Starts for Pixie_100:

(6, 60683), (14, 60752), (19, 60767), (Start: 28 @60794 has 20 MA's), (61, 61031), (67, 61055),

Gene: Plagueis_62 Start: 40946, Stop: 41272, Start Num: 18

Candidate Starts for Plagueis_62:

(Start: 18 @40946 has 71 MA's), (45, 41141), (57, 41219),

Gene: Pokerus_96 Start: 59414, Stop: 59716, Start Num: 26

Candidate Starts for Pokerus_96:

(20, 59393), (Start: 26 @59414 has 108 MA's), (Start: 36 @59489 has 1 MA's), (64, 59675), (67, 59690),

Gene: Prithvi_98 Start: 59952, Stop: 60254, Start Num: 26

Candidate Starts for Prithvi_98:

(20, 59931), (Start: 26 @59952 has 108 MA's), (Start: 36 @60027 has 1 MA's), (64, 60213), (67, 60228),

Gene: Psycho_98 Start: 61690, Stop: 61995, Start Num: 25

Candidate Starts for Psycho_98:

(Start: 25 @61690 has 45 MA's), (40, 61828),

Gene: Qhanda_94 Start: 56341, Stop: 56646, Start Num: 24

Candidate Starts for Qhanda_94:

(Start: 24 @56341 has 23 MA's), (67, 56620),

Gene: QuincyRose_94 Start: 59358, Stop: 59660, Start Num: 26

Candidate Starts for QuincyRose_94:

(20, 59337), (Start: 26 @59358 has 108 MA's), (Start: 36 @59433 has 1 MA's), (64, 59619), (67, 59634),

Gene: Rabbs_63 Start: 41200, Stop: 41526, Start Num: 18

Candidate Starts for Rabbs_63:

(Start: 18 @41200 has 71 MA's), (57, 41473),

Gene: Ramen_97 Start: 59101, Stop: 59403, Start Num: 26

Candidate Starts for Ramen_97:

(20, 59080), (Start: 26 @59101 has 108 MA's), (Start: 36 @59176 has 1 MA's), (64, 59362), (67, 59377),

Gene: Rando14_92 Start: 59491, Stop: 59796, Start Num: 25

Candidate Starts for Rando14_92:

(13, 59443), (Start: 25 @59491 has 45 MA's), (45, 59659),

Gene: Rapunzel97_99 Start: 59326, Stop: 59628, Start Num: 26

Candidate Starts for Rapunzel97_99:

(20, 59305), (Start: 26 @59326 has 108 MA's), (Start: 36 @59401 has 1 MA's), (64, 59587), (67, 59602),

Gene: Rattrick_62 Start: 41518, Stop: 41844, Start Num: 18

Candidate Starts for Rattrick_62:

(Start: 18 @41518 has 71 MA's),

Gene: Remy19_62 Start: 41125, Stop: 41451, Start Num: 18

Candidate Starts for Remy19_62:

(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: Renaissance_61 Start: 41103, Stop: 41429, Start Num: 18

Candidate Starts for Renaissance_61:

(Start: 18 @41103 has 71 MA's), (45, 41298), (57, 41376),

Gene: Reptar3000_88 Start: 53713, Stop: 53994, Start Num: 24

Candidate Starts for Reptar3000_88:

(Start: 24 @53713 has 23 MA's), (66, 53962), (67, 53968),

Gene: Richarlison_63 Start: 41110, Stop: 41436, Start Num: 18

Candidate Starts for Richarlison_63:

(Start: 18 @41110 has 71 MA's), (45, 41305), (57, 41383),

Gene: Richo_98 Start: 61129, Stop: 61341, Start Num: 36

Candidate Starts for Richo_98:

(2, 60727), (11, 60991), (Start: 26 @61054 has 108 MA's), (Start: 36 @61129 has 1 MA's), (51, 61246), (60, 61291), (69, 61327),

Gene: Rosmarinus_97 Start: 59335, Stop: 59637, Start Num: 26

Candidate Starts for Rosmarinus_97:

(20, 59314), (Start: 26 @59335 has 108 MA's), (Start: 36 @59410 has 1 MA's), (64, 59596), (67, 59611),

Gene: Ruriko_60 Start: 41127, Stop: 41453, Start Num: 18

Candidate Starts for Ruriko_60:

(Start: 18 @41127 has 71 MA's), (45, 41322), (57, 41400),

Gene: Ruthiejr_96 Start: 56946, Stop: 57251, Start Num: 24

Candidate Starts for Ruthiejr_96:
(Start: 24 @56946 has 23 MA's), (38, 57051), (67, 57225),

Gene: SamScheppers_93 Start: 57439, Stop: 57744, Start Num: 24
Candidate Starts for SamScheppers_93:
(Start: 24 @57439 has 23 MA's), (67, 57718),

Gene: SamuelLPlaqson_98 Start: 60168, Stop: 60470, Start Num: 26
Candidate Starts for SamuelLPlaqson_98:
(20, 60147), (Start: 26 @60168 has 108 MA's), (Start: 36 @60243 has 1 MA's), (64, 60429), (67, 60444),

Gene: Scarlett_103 Start: 61956, Stop: 62252, Start Num: 25
Candidate Starts for Scarlett_103:
(Start: 25 @61956 has 45 MA's), (51, 62148), (53, 62157),

Gene: Schiebel_60 Start: 40665, Stop: 40991, Start Num: 18
Candidate Starts for Schiebel_60:
(Start: 18 @40665 has 71 MA's), (45, 40860), (57, 40938),

Gene: SgtBeansprout_78 Start: 56074, Stop: 56379, Start Num: 28
Candidate Starts for SgtBeansprout_78:
(5, 55942), (Start: 28 @56074 has 20 MA's), (Start: 36 @56149 has 1 MA's), (40, 56194), (64, 56338), (65, 56344), (67, 56353),

Gene: ShaboiShabazz_61 Start: 41125, Stop: 41451, Start Num: 18
Candidate Starts for ShaboiShabazz_61:
(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: Shadow1_100 Start: 60099, Stop: 60404, Start Num: 25
Candidate Starts for Shadow1_100:
(Start: 25 @60099 has 45 MA's), (Start: 36 @60174 has 1 MA's), (67, 60378),

Gene: Shaobing_96 Start: 60696, Stop: 60983, Start Num: 26
Candidate Starts for Shaobing_96:
(2, 60369), (11, 60633), (Start: 26 @60696 has 108 MA's), (Start: 36 @60771 has 1 MA's), (51, 60888), (60, 60933), (69, 60969),

Gene: ShawBrad_1 Start: 117, Stop: 371, Start Num: 34
Candidate Starts for ShawBrad_1:
(15, 9), (17, 15), (20, 27), (22, 39), (34, 117), (Start: 36 @141 has 1 MA's), (37, 144), (47, 234), (52, 264), (55, 282), (61, 318), (67, 351),

Gene: ShedlockHolmes_100 Start: 60729, Stop: 61016, Start Num: 28
Candidate Starts for ShedlockHolmes_100:
(6, 60618), (14, 60687), (19, 60702), (Start: 28 @60729 has 20 MA's), (61, 60966), (67, 60990),

Gene: ShiaSurprise_99 Start: 59544, Stop: 59846, Start Num: 26
Candidate Starts for ShiaSurprise_99:
(20, 59523), (Start: 26 @59544 has 108 MA's), (Start: 36 @59619 has 1 MA's), (64, 59805), (67, 59820),

Gene: SirPhilip_98 Start: 61540, Stop: 61833, Start Num: 25

Candidate Starts for SirPhilip_98:

(Start: 25 @61540 has 45 MA's), (Start: 36 @61615 has 1 MA's),

Gene: Sizemore_63 Start: 41114, Stop: 41440, Start Num: 18

Candidate Starts for Sizemore_63:

(Start: 18 @41114 has 71 MA's), (45, 41309), (57, 41387),

Gene: Slarp_92 Start: 56344, Stop: 56649, Start Num: 24

Candidate Starts for Slarp_92:

(Start: 24 @56344 has 23 MA's), (67, 56623),

Gene: Slimphazie_99 Start: 59782, Stop: 60084, Start Num: 26

Candidate Starts for Slimphazie_99:

(20, 59761), (Start: 26 @59782 has 108 MA's), (Start: 36 @59857 has 1 MA's), (64, 60043), (67, 60058),

Gene: Sneeze_62 Start: 41199, Stop: 41525, Start Num: 18

Candidate Starts for Sneeze_62:

(Start: 18 @41199 has 71 MA's), (57, 41472),

Gene: SoSeph_96 Start: 61535, Stop: 61840, Start Num: 25

Candidate Starts for SoSeph_96:

(Start: 25 @61535 has 45 MA's),

Gene: Spock_96 Start: 59348, Stop: 59650, Start Num: 26

Candidate Starts for Spock_96:

(20, 59327), (Start: 26 @59348 has 108 MA's), (Start: 36 @59423 has 1 MA's), (64, 59609), (67, 59624),

Gene: Stargaze_65 Start: 44492, Stop: 44815, Start Num: 18

Candidate Starts for Stargaze_65:

(Start: 18 @44492 has 71 MA's), (31, 44543), (41, 44663),

Gene: Stinson_97 Start: 59559, Stop: 59861, Start Num: 26

Candidate Starts for Stinson_97:

(20, 59538), (Start: 26 @59559 has 108 MA's), (33, 59610), (Start: 36 @59634 has 1 MA's), (64, 59820), (67, 59835),

Gene: Strobilo_95 Start: 57688, Stop: 57966, Start Num: 26

Candidate Starts for Strobilo_95:

(Start: 25 @57685 has 45 MA's), (Start: 26 @57688 has 108 MA's), (45, 57838), (67, 57946),

Gene: Sulley_95 Start: 59512, Stop: 59814, Start Num: 26

Candidate Starts for Sulley_95:

(20, 59491), (Start: 26 @59512 has 108 MA's), (Start: 36 @59587 has 1 MA's), (64, 59773), (67, 59788),

Gene: Sunflower1121_100 Start: 59857, Stop: 60162, Start Num: 25

Candidate Starts for Sunflower1121_100:

(Start: 25 @59857 has 45 MA's), (Start: 36 @59932 has 1 MA's), (67, 60136),

Gene: Sweets_62 Start: 41120, Stop: 41446, Start Num: 18

Candidate Starts for Sweets_62:

(Start: 18 @41120 has 71 MA's), (45, 41315), (57, 41393),

Gene: Syra333_99 Start: 59939, Stop: 60244, Start Num: 25

Candidate Starts for Syra333_99:

(Start: 25 @59939 has 45 MA's), (Start: 36 @60014 has 1 MA's), (67, 60218),

Gene: TBond007_97 Start: 60792, Stop: 61079, Start Num: 28

Candidate Starts for TBond007_97:

(6, 60681), (14, 60750), (19, 60765), (Start: 28 @60792 has 20 MA's), (61, 61029), (67, 61053),

Gene: TClif_100 Start: 61109, Stop: 61408, Start Num: 25

Candidate Starts for TClif_100:

(Start: 25 @61109 has 45 MA's), (34, 61175), (51, 61301), (61, 61349), (67, 61382),

Gene: TM4_92 Start: 52356, Stop: 52637, Start Num: 25

Candidate Starts for TM4_92:

(Start: 25 @52356 has 45 MA's), (Start: 26 @52359 has 108 MA's), (45, 52509), (46, 52515), (67, 52617),

Gene: Tachez_97 Start: 59195, Stop: 59497, Start Num: 26

Candidate Starts for Tachez_97:

(20, 59174), (Start: 26 @59195 has 108 MA's), (Start: 36 @59270 has 1 MA's), (64, 59456), (67, 59471),

Gene: Taheera_58 Start: 40097, Stop: 40423, Start Num: 18

Candidate Starts for Taheera_58:

(Start: 18 @40097 has 71 MA's), (62, 40382),

Gene: TaiwanKao_98 Start: 59607, Stop: 59909, Start Num: 26

Candidate Starts for TaiwanKao_98:

(20, 59586), (Start: 26 @59607 has 108 MA's), (Start: 36 @59682 has 1 MA's), (64, 59868), (67, 59883),

Gene: Taquito_94 Start: 57502, Stop: 57783, Start Num: 24

Candidate Starts for Taquito_94:

(Start: 24 @57502 has 23 MA's), (67, 57757),

Gene: Teejan_79 Start: 58687, Stop: 58992, Start Num: 28

Candidate Starts for Teejan_79:

(5, 58555), (Start: 28 @58687 has 20 MA's), (Start: 36 @58762 has 1 MA's), (40, 58807), (64, 58951), (65, 58957), (67, 58966),

Gene: Terror_58 Start: 40097, Stop: 40423, Start Num: 18

Candidate Starts for Terror_58:

(Start: 18 @40097 has 71 MA's), (62, 40382),

Gene: Thyatira_97 Start: 63441, Stop: 63746, Start Num: 25

Candidate Starts for Thyatira_97:

(Start: 25 @63441 has 45 MA's),

Gene: Tierra_102 Start: 61060, Stop: 61368, Start Num: 25

Candidate Starts for Tierra_102:

(Start: 25 @61060 has 45 MA's), (Start: 36 @61135 has 1 MA's), (67, 61342),

Gene: Tigress9_101 Start: 60365, Stop: 60598, Start Num: 36
Candidate Starts for Tigress9_101:
(Start: 25 @60290 has 45 MA's), (Start: 36 @60365 has 1 MA's), (67, 60572),

Gene: TinaBug_63 Start: 41673, Stop: 41999, Start Num: 18
Candidate Starts for TinaBug_63:
(Start: 18 @41673 has 71 MA's), (45, 41868), (57, 41946),

Gene: TingHuaYa_101 Start: 60903, Stop: 61193, Start Num: 28
Candidate Starts for TingHuaYa_101:
(Start: 28 @60903 has 20 MA's), (49, 61086),

Gene: TiniBug_95 Start: 59943, Stop: 60245, Start Num: 26
Candidate Starts for TiniBug_95:
(20, 59922), (Start: 26 @59943 has 108 MA's), (Start: 36 @60018 has 1 MA's), (64, 60204), (67, 60219),

Gene: Tiri_97 Start: 59088, Stop: 59390, Start Num: 26
Candidate Starts for Tiri_97:
(20, 59067), (Start: 26 @59088 has 108 MA's), (Start: 36 @59163 has 1 MA's), (64, 59349), (67, 59364),

Gene: TomBrady_62 Start: 41126, Stop: 41452, Start Num: 18
Candidate Starts for TomBrady_62:
(Start: 18 @41126 has 71 MA's), (45, 41321), (57, 41399),

Gene: Topper_96 Start: 59347, Stop: 59649, Start Num: 26
Candidate Starts for Topper_96:
(20, 59326), (Start: 26 @59347 has 108 MA's), (Start: 36 @59422 has 1 MA's), (64, 59608), (67, 59623),

Gene: Torres_80 Start: 58688, Stop: 58993, Start Num: 28
Candidate Starts for Torres_80:
(5, 58556), (Start: 28 @58688 has 20 MA's), (Start: 36 @58763 has 1 MA's), (40, 58808), (64, 58952), (65, 58958), (67, 58967),

Gene: TreyKay_98 Start: 59952, Stop: 60254, Start Num: 26
Candidate Starts for TreyKay_98:
(20, 59931), (Start: 26 @59952 has 108 MA's), (Start: 36 @60027 has 1 MA's), (64, 60213), (67, 60228),

Gene: TribbleTrouble_97 Start: 61312, Stop: 61599, Start Num: 28
Candidate Starts for TribbleTrouble_97:
(6, 61201), (14, 61270), (19, 61285), (Start: 28 @61312 has 20 MA's), (61, 61549), (67, 61573),

Gene: Trice_77 Start: 56075, Stop: 56380, Start Num: 28
Candidate Starts for Trice_77:
(5, 55943), (Start: 28 @56075 has 20 MA's), (Start: 36 @56150 has 1 MA's), (40, 56195), (64, 56339), (65, 56345), (67, 56354),

Gene: TruffulaTree_98 Start: 59748, Stop: 60050, Start Num: 26
Candidate Starts for TruffulaTree_98:

(20, 59727), (Start: 26 @59748 has 108 MA's), (Start: 36 @59823 has 1 MA's), (64, 60009), (67, 60024),

Gene: Twitch_97 Start: 59350, Stop: 59652, Start Num: 26

Candidate Starts for Twitch_97:

(20, 59329), (Start: 26 @59350 has 108 MA's), (Start: 36 @59425 has 1 MA's), (64, 59611), (67, 59626),

Gene: Unicorn_102 Start: 60924, Stop: 61157, Start Num: 36

Candidate Starts for Unicorn_102:

(Start: 25 @60849 has 45 MA's), (Start: 36 @60924 has 1 MA's), (67, 61131),

Gene: Urkel_98 Start: 60168, Stop: 60470, Start Num: 26

Candidate Starts for Urkel_98:

(20, 60147), (Start: 26 @60168 has 108 MA's), (Start: 36 @60243 has 1 MA's), (64, 60429), (67, 60444),

Gene: Validus_106 Start: 62130, Stop: 62417, Start Num: 26

Candidate Starts for Validus_106:

(Start: 26 @62130 has 108 MA's), (Start: 36 @62205 has 1 MA's), (51, 62322), (60, 62367), (65, 62382), (69, 62403),

Gene: Veliki_97 Start: 59373, Stop: 59675, Start Num: 26

Candidate Starts for Veliki_97:

(20, 59352), (Start: 26 @59373 has 108 MA's), (Start: 36 @59448 has 1 MA's), (64, 59634), (67, 59649),

Gene: ViviJ_105 Start: 63064, Stop: 63369, Start Num: 25

Candidate Starts for ViviJ_105:

(Start: 25 @63064 has 45 MA's), (45, 63232),

Gene: WST1_61 Start: 37648, Stop: 37995, Start Num: 12

Candidate Starts for WST1_61:

(Start: 12 @37648 has 1 MA's), (40, 37822), (50, 37888), (67, 37966),

Gene: Waterfoul_95 Start: 60815, Stop: 61120, Start Num: 25

Candidate Starts for Waterfoul_95:

(Start: 25 @60815 has 45 MA's),

Gene: Wendigo_61 Start: 41104, Stop: 41430, Start Num: 18

Candidate Starts for Wendigo_61:

(Start: 18 @41104 has 71 MA's), (45, 41299), (57, 41377),

Gene: Wintermute_94 Start: 57134, Stop: 57439, Start Num: 24

Candidate Starts for Wintermute_94:

(Start: 24 @57134 has 23 MA's), (38, 57239), (67, 57413),

Gene: Ximenita_103 Start: 60672, Stop: 60977, Start Num: 25

Candidate Starts for Ximenita_103:

(Start: 25 @60672 has 45 MA's), (Start: 36 @60747 has 1 MA's), (67, 60951),

Gene: Y10_90 Start: 57078, Stop: 57383, Start Num: 24

Candidate Starts for Y10_90:

(Start: 24 @57078 has 23 MA's), (38, 57183), (67, 57357),

Gene: Y2_90 Start: 57078, Stop: 57383, Start Num: 24

Candidate Starts for Y2_90:

(Start: 24 @57078 has 23 MA's), (38, 57183), (67, 57357),

Gene: YangYin_67 Start: 44221, Stop: 44544, Start Num: 18

Candidate Starts for YangYin_67:

(Start: 18 @44221 has 71 MA's), (31, 44272), (41, 44392), (42, 44395), (44, 44407), (45, 44413),

Gene: YasnayaPolyana_93 Start: 57067, Stop: 57372, Start Num: 24

Candidate Starts for YasnayaPolyana_93:

(Start: 24 @57067 has 23 MA's), (67, 57346),

Gene: YoureAdopted_95 Start: 59143, Stop: 59445, Start Num: 26

Candidate Starts for YoureAdopted_95:

(20, 59122), (Start: 26 @59143 has 108 MA's), (Start: 36 @59218 has 1 MA's), (64, 59404), (67, 59419),

Gene: Yuna_100 Start: 61837, Stop: 62139, Start Num: 23

Candidate Starts for Yuna_100:

(Start: 23 @61837 has 1 MA's), (Start: 36 @61912 has 1 MA's), (64, 62098),

Gene: Yunkel11_101 Start: 60401, Stop: 60688, Start Num: 26

Candidate Starts for Yunkel11_101:

(Start: 26 @60401 has 108 MA's), (60, 60638), (65, 60653), (66, 60656),

Gene: Zabiza_92 Start: 55756, Stop: 56058, Start Num: 26

Candidate Starts for Zabiza_92:

(20, 55735), (Start: 26 @55756 has 108 MA's), (Start: 36 @55831 has 1 MA's), (64, 56017), (67, 56032),

Gene: Zavala_98 Start: 59608, Stop: 59910, Start Num: 26

Candidate Starts for Zavala_98:

(20, 59587), (Start: 26 @59608 has 108 MA's), (Start: 36 @59683 has 1 MA's), (64, 59869), (67, 59884),

Gene: ZoMa_61 Start: 41125, Stop: 41451, Start Num: 18

Candidate Starts for ZoMa_61:

(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),

Gene: ZoeJ_92 Start: 56879, Stop: 57157, Start Num: 26

Candidate Starts for ZoeJ_92:

(Start: 25 @56876 has 45 MA's), (Start: 26 @56879 has 108 MA's), (39, 56990), (45, 57029), (67, 57137),

Gene: Zombie_62 Start: 41125, Stop: 41451, Start Num: 18

Candidate Starts for Zombie_62:

(Start: 18 @41125 has 71 MA's), (45, 41320), (57, 41398),