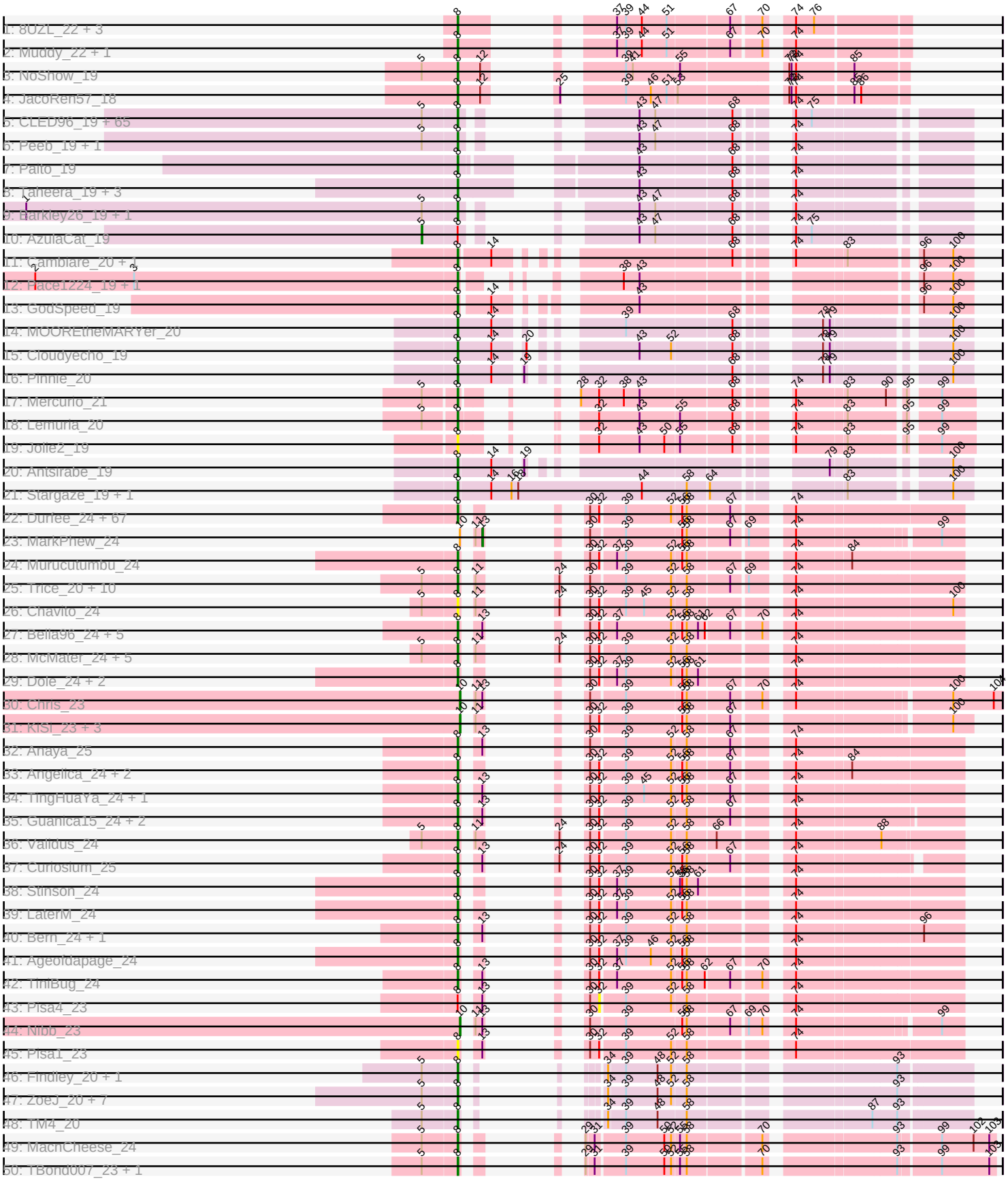
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1: 8UZL_22 + 3
2: Muddy_22 + 1
3: NoShow_19
4: JacoRen57_18
5: CLED96_19 + 65
6: Peeb_19 + 1
7: Paito_19
8: Taheera_19 + 3
9: Harkley26_19 + 1
10: AzulaCat_19
11: Gamblare_20 + 1
12: Place1224_19 + 1
13: GodSpeed_19
14: MOOREtheMARYer_20
15: Cloudyecho_19
16: Pinnie_20
17: Mercurio_21
18: Lemuria_20
19: Jolie2_19
20: Antsirabe_19
21: Stargaze_19 + 1
22: Durlee_24 + 67
23: MarkPhew_24
24: Murucutumbu_24
25: Trice_20 + 10
26: Chavito_24
27: Bella96_24 + 5
28: McMater_24 + 5
29: Dole_24 + 2
30: Chris_23
31: KISI_23 + 3
32: Anaya_25
33: Angelica_24 + 2
34: TingHuaYa_24 + 1
35: Guanica15_24 + 2
36: Validus_24
37: Curiosium_25
38: Stinson_24
39: LaterM_24
40: Bern_24 + 1
41: Ageoldapage_24
42: TiniBug_24
43: Pisa4_23
44: Nibb_23
45: Pisa1_23
46: Findley_20 + 1
47: ZoeJ_20 + 7
48: TM4_20
49: MacnCheese_24
50: TBond007_23 + 1

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51: Hurricane_23 + 3
52: Pharb_23
53: TribleTrouble_22
54: YasnayaPolyana_25 + 24
55: Reptar3000_25
56: Omnicron_23
57: Edugator_22 + 14
58: Rando14_23
59: DoubleChamp_22 + 9
60: Ekdilam_21
61: Phrank_23 + 3
62: Krueger_23 + 3
63: DarthP_23 + 2
64: Applecrisp_22 + 3
65: Sunflower1121_22
66: November_22
67: TCliff_23
68: Ximenita_24
69: Yuna_25
70: SirPhilip_23
71: Marshawn_25
72: Fellerhead_23
73: PhelpsODO_23 + 1
74: Aminay_22
75: Boilgate_21
76: Stellammi_18
77: Gaia_19 + 1
78: Bipper_25
79: AuntGwenStacy_25 + 3
80: Cracklewink_25
81: TPA4_21
82: P3MA_19

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 347145 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347145 has 332 members, 26 are drafts.

Phages represented in each track:
• Track 1 : 8UZL_22, Salvus_23, Maco6_20, LongHai_23
• Track 2 : Muddy_22, FF47_22
• Track 3 : NoShow_19
• Track 4 : JacoRen57_18
• Track 5 : CLED96_19, Darionha_19, Crespo_19, PinkYoshi_19, Jeilious_19, Frosty24_19, Gomashi_19, Richarlison_19, DingDing_19, ForeverHowLong_19, LouisV14_19, Jolene_19, Jane_19, BQuat_19, AizenPogi_19, Remy19_19, Angel_19, Terralys_19, Ruriko_19, Coleslaw_19, Sweets_19, Kasen3_19, ECartman_19, OctaviousRex_19, Halo_19, TinaBug_19, Wendigo_19, DNAIII_0019, Cherrybomb426_19, ZoMa_19, Maliketh_19, Avrafan_19, Phloodle_19, TomBrady_19, Jonghyun_19, Neoh_19, Gideon_19, Schiebel_19, Sizemore_19, Olga_19, Plagueis_19, Aroostook_19, Zombie_19, Hope_19, Phish_19, Hotshotbaby7_19, MZKinsey_19, DMoney_19, Kareem_19, Mowgli_19, Chance64_19, ShaboiShabazz_19, Primanti_19, BruceB_19, Periodt_19, CassieYates_19, Marmie_19, Cedasite_19, Rattrick_19, Camri_19, GoldenAsh_19, JorRay_19, Renaissance_19, Annihilator_19, Phreak_19, BPs_19
• Track 6 : Peeb_19, Liefie_19
• Track 7 : Paito_19
• Track 8 : Taheera_19, Rabbs_19, Sneeze_19, Terror_19
• Track 9 : Barkley26_19, Grizzly_19
• Track 10 : AzulaCat_19
• Track 11 : Cambiare_20, Avocado_19
• Track 12 : Pace1224_19, FlagStaff_19
• Track 13 : GodSpeed_19
• Track 14 : MOOREtheMARYer_20
• Track 15 : Cloudyecho_19
• Track 16 : Pinnie_20
• Track 17 : Mercurio_21
• Track 18 : Lemuria_20
• Track 19 : Jolie2_19
• Track 20 : Antsirabe_19
• Track 21 : Stargaze_19, YangYin_19
• Track 22 : Durfee_24, Piatt_24, BaghaKamala_24, Boiiii_24, Slimphazie_24, CrimD_24, Joy99_24, Belladonna_24, AlishaPH_24, CheetoDust_24, Apocalypse_24, Peel_24, Blizzard_24, BarrelRoll_24, Padfoot_24, Adonis_24, Zavala_24, HedwigODU_24, Topper_24, Dalmuri_24, Mynx_24, Inky_24, JAWS_24, TreyKay_24, Asayake_24, BGlluviae_24, Capricorn_24, Atiba_24, Jayhawk_24,

Geraldini_24, CREW_24, Ganymede_25, MeaningOfLife_24, ActinUp_24, CallaLilly_24, Veliki_24, Tachez_24, Rosmarinus_24, Jeckyll_24, TaiwanKao_25, LindNT_24, Padpat_24, Twitch_24, Emerson_24, Lokum_24, YoureAdopted_23, CaseJules_24, Ramen_24, Pokerus_23, Rapunzel97_24, BEEST_24, Zabiza_24, Tiri_24, Hyperbowlee_24, Beezoo_24, Jarvi_24, Homura_24, MacKat_24, TruffulaTree_24, Clipper_24, Spock_24, QuincyRose_23, ShiaSurprise_24, Megsy_24, Lunahalos_24, Prithvi_24, Llorens_24, Adephagia_24
• Track 23 : MarkPhew_24
• Track 24 : Murucutumbu_24
• Track 25 : Trice_20, Mdavu_20, Biglebops_20, Enkosi_20, Torres_20, LilPharaoh_20, Teejan_20, Amelie_20, Nikao_20, Nutello_20, SgtBeansprout_20
• Track 26 : Chavito_24
• Track 27 : Bella96_24, DrHayes_24, Anma_24, DartGoblin_24, Urkel_24, SamuelLPlaqson_24
• Track 28 : McMater_24, Peanam_24, Shaobing_24, Niklas_24, Dartin_24, Richo_24
• Track 29 : Dole_24, Devera_24, Illumine_24
• Track 30 : Chris_23
• Track 31 : KiSi_23, Oscar_23, LeMond_23, Scarlett_23
• Track 32 : Anaya_25
• Track 33 : Angelica_24, Deby_24, Sulley_24
• Track 34 : TingHuaYa_24, LastHope_24
• Track 35 : Guanica15_24, Yunkel11_24, Efra2_24
• Track 36 : Validus_24
• Track 37 : Curiosium_25
• Track 38 : Stinson_24
• Track 39 : LaterM_24
• Track 40 : Bern_24, Kheparia_26
• Track 41 : Ageofdapage_24
• Track 42 : TiniBug_24
• Track 43 : Pisa4_23
• Track 44 : Nibb_23
• Track 45 : Pisa1_23
• Track 46 : Findley_20, Strobilo_20
• Track 47 : ZoeJ_20, Doughnut_20, Milly_20, DismalStressor_20, BoostSeason_20, DismalFunk_20, Mufasa_20, Marcoliusprime_20
• Track 48 : TM4_20
• Track 49 : MacnCheese_24
• Track 50 : TBond007_23, Pixie_23
• Track 51 : Hurricane_23, Keshu_23, Lea83_23, ShedlockHolmes_23
• Track 52 : Pharb_23
• Track 53 : TribleTrouble_22
• Track 54 : YasnayaPolyana_25, Wintermute_25, Patt_25, Bobquesha_26, Mitti_25, Juliette_25, Eponine_25, Fionnbharth_25, Kraw_25, Chancellor_25, Nolwazi_26, Lebo14_25, Qhanda_26, JF1_25, OmniCritical_25, MissDaisy_25, Y2_25, Cheetobro_25, SamScheppers_23, DanSyl44_26, Ruthiejr_24, Slarp_25, Malthus_26, Taquito_23, Y10_25
• Track 55 : Reptar3000_25
• Track 56 : Omnicron_23
• Track 57 : Edugator_22, Neighly_23, Larva_23, SoSeph_22, Leston_22, Paola_22, Heftyboy_22, Thyatira_22, Guillsminger_22, Gengar_22, Waterfoul_22, Psycho_23, Dadosky_23, Feyre_22, AlleyCat_23
• Track 58 : Rando14_23

• Track 59 : DoubleChamp_22, LilDirt_21, ViviJ_21, Agent47_22, Collard_22, BananenDer11_22, Kratio_21, Miryou_22, InvictusManeo_22, OkiRoe_22
• Track 60 : Ekdilam_21
• Track 61 : Phrank_23, Tierra_23, Bryler_23, Cain_23
• Track 62 : Krueger_23, Syra333_23, Tigress9_23, Shadow1_22
• Track 63 : DarthP_23, Hammy_23, Amohnition_23
• Track 64 : Applecrisp_22, Amgine_22, Lavahound_22, Ellie_21
• Track 65 : Sunflower1121_22
• Track 66 : November_22
• Track 67 : TClif_23
• Track 68 : Ximenita_24
• Track 69 : Yuna_25
• Track 70 : SirPhilip_23
• Track 71 : Marshawn_25
• Track 72 : Fefferhead_23
• Track 73 : PhelpsODU_23, Unicorn_23
• Track 74 : Aminay_22
• Track 75 : Boilgate_21
• Track 76 : Stellammi_18
• Track 77 : Gaia_19, Nebkiss_20
• Track 78 : Bipper_25
• Track 79 : AuntGwenStacy_25, Faiyaz_25, Hilltopfarm_25, Typha_25
• Track 80 : Cracklewink_25
• Track 81 : TPA4_21
• Track 82 : P3MA_19

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

The start number called the most often in the published annotations is 8, it was called in 265 of the 306 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 8UZL_22, ActinUp_24, Adephagia_24, Adonis_24, Agent47_22, Ageofdapage_24, AizenPogi_19, AlishaPH_24, AlleyCat_23, Amelie_20, Amgine_22, Aminay_22, Amohnition_23, Anaya_25, Angel_19, Angelica_24, Anma_24, Annihilator_19, Antsirabe_19, Apocalypse_24, Applecrisp_22, Aroostook_19, Asayake_24, Atiba_24, Avocado_19, Avrafan_19, BEEST_24, BGlluviae_24, BPs_19, BQuat_19, BaghaKamala_24, BananenDer11_22, Barkley26_19, BarrelRoll_24, Beezoo_24, Bella96_24, Belladonna_24, Bern_24, Biglebops_20, Blizzard_24, Boiiii_24, BoostSeason_20, BruceB_19, Bryler_23, CLED96_19, CREW_24, Cain_23, CallaLilly_24, Cambiare_20, Camri_19, Capricorn_24, CaseJules_24, CassieYates_19, Cedasite_19, Chance64_19, Chavito_24, CheetoDust_24, Cherrybomb426_19, Clipper_24, Cloudyecho_19, Coleslaw_19, Collard_22, Crespo_19, CrimD_24, Curiosium_25, DMoney_19, DNAIII_0019, Dadosky_23, Dalmuri_24, Darionha_19, DartGoblin_24, DarthP_23, Dartin_24, Deby_24, Devera_24, DingDing_19, DismalFunk_20, DismalStressor_20, Dole_24, DoubleChamp_22, Doughnut_20, DrHayes_24, Durfee_24, ECartman_19, Edugator_22, Efra2_24, Ekdilam_21, Ellie_21, Emerson_24, Enkosi_20, FF47_22, Fefferhead_23, Feyre_22, Findley_20, FlagStaff_19, ForeverHowLong_19, Frosty24_19, Ganymede_25, Gengar_22, Geraldini_24, Gideon_19, GodSpeed_19,

GoldenAsh_19, Gomashi_19, Grizzly_19, Guanica15_24, Guillsminger_22, Halo_19, Hammy_23, HedwigODU_24, Heftyboy_22, Homura_24, Hope_19, Hotshotbaby7_19, Hurricane_23, Hyperbowlee_24, Illumine_24, Inky_24, InvictusManeo_22, JAWS_24, JacoRen57_18, Jane_19, Jarvi_24, Jayhawk_24, Jeckyll_24, Jeilious_19, Jolene_19, Jolie2_19, Jonghyun_19, JorRay_19, Joy99_24, Kareem_19, Kasen3_19, Keshu_23, Kheparia_26, Kratio_21, Krueger_23, Larva_23, LastHope_24, LaterM_24, Lavahound_22, Lea83_23, Lemuria_20, Leston_22, Liefie_19, LilDirt_21, LilPharaoh_20, LindNT_24, Llorens_24, Lokum_24, LongHai_23, LouisV14_19, Lunahalos_24, MOOREtheMARYer_20, MZKinsey_19, MacKat_24, MacnCheese_24, Maco6_20, Maliketh_19, Marcoliusprime_20, Marmie_19, Marshawn_25, McMater_24, Mdavu_20, MeaningOfLife_24, Megsy_24, Mercurio_21, Milly_20, Miryou_22, Mowgli_19, Muddy_22, Mufasa_20, Murucutumbu_24, Mynx_24, Neighly_23, Neoh_19, Nikao_20, Niklas_24, NoShow_19, November_22, Nutello_20, OctaviousRex_19, OkiRoe_22, Olga_19, Omnicron_23, Pace1224_19, Padfoot_24, Padpat_24, Paito_19, Paola_22, Peanam_24, Peeb_19, Peel_24, Periodt_19, Pharb_23, PhelpsODU_23, Phish_19, Phloodle_19, Phrank_23, Phreak_19, Piatt_24, PinkYoshi_19, Pinnie_20, Pisa1_23, Pixie_23, Plagueis_19, Pokerus_23, Primanti_19, Prithvi_24, Psycho_23, QuincyRose_23, Rabbs_19, Ramen_24, Rando14_23, Rapunzel97_24, Rattrick_19, Remy19_19, Renaissance_19, Richarlison_19, Richo_24, Rosmarinus_24, Ruriko_19, Salvus_23, SamuelLPlaqson_24, Schiebel_19, SgtBeansprout_20, ShaboiShabazz_19, Shadow1_22, Shaobing_24, ShedlockHolmes_23, ShiaSurprise_24, SirPhilip_23, Sizemore_19, Slimphazie_24, Sneeze_19, SoSeph_22, Spock_24, Stargaze_19, Stinson_24, Strobilo_20, Sulley_24, Sunflower1121_22, Sweets_19, Syra333_23, TBond007_23, TClif_23, TM4_20, Tachez_24, Taheera_19, TaiwanKao_25, Teejan_20, Terralys_19, Terror_19, Thyatira_22, Tierra_23, Tigress9_23, TinaBug_19, TingHuaYa_24, TiniBug_24, Tiri_24, TomBrady_19, Topper_24, Torres_20, TreyKay_24, TribleTrouble_22, Trice_20, TruffulaTree_24, Twitch_24, Unicorn_23, Urkel_24, Validus_24, Veliki_24, ViviJ_21, Waterfoul_22, Wendigo_19, Ximenita_24, YangYin_19, YoureAdopted_23, Yuna_25, Yunkel11_24, Zabiza_24, Zavala_24, ZoMa_19, ZoeJ_20, Zombie_19,

Genes that have the "Most Annotated" start but do not call it:
• AzulaCat_19, Pisa4_23,

Genes that do not have the "Most Annotated" start:
• AuntGwenStacy_25, Bipper_25, Bobquesha_26, Boilgate_21, Chancellor_25, Cheetobro_25, Chris_23, Cracklewink_25, DanSyl44_26, Eponine_25, Faiyaz_25, Fionnbharth_25, Gaia_19, Hilltopfarm_25, JF1_25, Juliette_25, KiSi_23, Kraw_25, LeMond_23, Lebo14_25, Malthus_26, MarkPhew_24, MissDaisy_25, Mitti_25, Nebkiss_20, Nibb_23, Nolwazi_26, OmniCritical_25, Oscar_23, P3MA_19, Patt_25, Qhanda_26, Reptar3000_25, Ruthiejr_24, SamScheppers_23, Scarlett_23, Slarp_25, Stellammi_18, TPA4_21, Taquito_23, Typha_25, Wintermute_25, Y10_25, Y2_25, YasnayaPolyana_25,

Summary by start number:

Start 5:
• Found in 114 of 332 (34.3%) of genes in pham
• Manual Annotations of this start: 1 of 306
• Called 0.9% of time when present
• Phage (with cluster) where this start called: AzulaCat_19 (G1),

Start 6:
• Found in 26 of 332 (7.8%) of genes in pham
• Manual Annotations of this start: 22 of 306
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bobquesha_26 (K4), Chancellor_25 (K4), Cheetobro_25 (K4), DanSyl44_26 (K4), Eponine_25 (K4), Fionnbharth_25 (K4), JF1_25 (K4), Juliette_25 (K4), Kraw_25 (K4), Lebo14_25 (K4), Malthus_26 (K4), MissDaisy_25 (K4), Mitti_25 (K4), Nolwazi_26 (K4), OmniCritical_25 (K4), Patt_25 (K4), Qhanda_26 (K4), Reptar3000_25 (K4), Ruthiejr_24 (K4), SamScheppers_23 (K4), Slarp_25 (K4), Taquito_23 (K4), Wintermute_25 (K4), Y10_25 (K4), Y2_25 (K4), YasnayaPolyana_25 (K4),

Start 7:
• Found in 1 of 332 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 306
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Boilgate_21 (K8),

Start 8:
• Found in 287 of 332 (86.4%) of genes in pham
• Manual Annotations of this start: 265 of 306
• Called 99.3% of time when present
• Phage (with cluster) where this start called: 8UZL_22 (AB), ActinUp_24 (K1), Adephagia_24 (K1), Adonis_24 (K1), Agent47_22 (K5), Ageofdapage_24 (K1), AizenPogi_19 (G1), AlishaPH_24 (K1), AlleyCat_23 (K5), Amelie_20 (K1), Amgine_22 (K6), Aminay_22 (K7), Amohnition_23 (K6), Anaya_25 (K1), Angel_19 (G1), Angelica_24 (K1), Anma_24 (K1), Annihilator_19 (G1), Antsirabe_19 (G5), Apocalypse_24 (K1), Applecrisp_22 (K6), Aroostook_19 (G1), Asayake_24 (K1), Atiba_24 (K1), Avocado_19 (G2), Avrafan_19 (G1), BEEST_24 (K1), BGlluviae_24 (K1), BPs_19 (G1), BQuat_19 (G1), BaghaKamala_24 (K1), BananenDer11_22 (K5), Barkley26_19 (G1), BarrelRoll_24 (K1), Beezoo_24 (K1), Bella96_24 (K1), Belladonna_24 (K1), Bern_24 (K1), Biglebops_20 (K1), Blizzard_24 (K1), Boiiii_24 (K1), BoostSeason_20 (K2), BruceB_19 (G1), Bryler_23 (K6), CLED96_19 (G1), CREW_24 (K1), Cain_23 (K6), CallaLilly_24 (K1), Cambiare_20 (G2), Camri_19 (G1), Capricorn_24 (K1), CaseJules_24 (K1), CassieYates_19 (G1), Cedasite_19 (G1), Chance64_19 (G1), Chavito_24 (K1), CheetoDust_24 (K1), Cherrybomb426_19 (G1), Clipper_24 (K1), Cloudyecho_19 (G3), Coleslaw_19 (G1), Collard_22 (K5), Crespo_19 (G1), CrimD_24 (K1), Curiosium_25 (K1), DMoney_19 (G1), DNAIII_0019 (G1), Dadosky_23 (K5), Dalmuri_24 (K1), Darionha_19 (G1), DartGoblin_24 (K1), DarthP_23 (K6), Dartin_24 (K1), Deby_24 (K1), Devera_24 (K1), DingDing_19 (G1), DismalFunk_20 (K2), DismalStressor_20 (K2), Dole_24 (K1), DoubleChamp_22 (K5), Doughnut_20 (K2), DrHayes_24 (K1), Durfee_24 (K1), ECartman_19 (G1), Edugator_22 (K5), Efra2_24 (K1), Ekdilam_21 (K6), Ellie_21 (K6), Emerson_24 (K1), Enkosi_20 (K1), FF47_22 (AB), Fefferhead_23 (K6), Feyre_22 (K5), Findley_20 (K2), FlagStaff_19 (G2), ForeverHowLong_19 (G1), Frosty24_19 (G1), Ganymede_25 (K1), Gengar_22 (K5), Geraldini_24 (K1), Gideon_19 (G1), GodSpeed_19 (G2), GoldenAsh_19 (G1), Gomashi_19 (G1), Grizzly_19 (G1), Guanica15_24 (K1), Guillsminger_22 (K5), Halo_19 (G1), Hammy_23 (K6), HedwigODU_24 (K1), Heftyboy_22 (K5), Homura_24 (K1), Hope_19 (G1), Hotshotbaby7_19 (G1), Hurricane_23 (K3), Hyperbowlee_24 (K1), Illumine_24 (K1), Inky_24 (K1), InvictusManeo_22 (K5), JAWS_24 (K1), JacoRen57_18 (AB), Jane_19 (G1), Jarvi_24 (K1), Jayhawk_24 (K1), Jeckyll_24 (K1), Jeilious_19 (G), Jolene_19 (G1), Jolie2_19 (G4), Jonghyun_19 (G1), JorRay_19 (G1), Joy99_24 (K1), Kareem_19 (G1),

Kasen3_19 (G1), Keshu_23 (K3), Kheparia_26 (K1), Kratio_21 (K5), Krueger_23 (K6), Larva_23 (K5), LastHope_24 (K1), LaterM_24 (K1), Lavahound_22 (K6), Lea83_23 (K3), Lemuria_20 (G4), Leston_22 (K5), Liefie_19 (G1), LilDirt_21 (K5), LilPharaoh_20 (K1), LindNT_24 (K1), Llorens_24 (K1), Lokum_24 (K1), LongHai_23 (AB), LouisV14_19 (G1), Lunahalos_24 (K1), MOOREtheMARYer_20 (G3), MZKinsey_19 (G1), MacKat_24 (K1), MacnCheese_24 (K3), Maco6_20 (AB), Maliketh_19 (G1), Marcoliusprime_20 (K2), Marmie_19 (G1), Marshawn_25 (K6), McMater_24 (K1), Mdavu_20 (K1), MeaningOfLife_24 (K1), Megsy_24 (K1), Mercurio_21 (G4), Milly_20 (K2), Miryou_22 (K5), Mowgli_19 (G1), Muddy_22 (AB), Mufasa_20 (K2), Murucutumbu_24 (K1), Mynx_24 (K1), Neighly_23 (K3), Neoh_19 (G), Nikao_20 (K1), Niklas_24 (K1), NoShow_19 (AB), November_22 (K6), Nutello_20 (K1), OctaviousRex_19 (G1), OkiRoe_22 (K5), Olga_19 (G1), Omnicron_23 (K5), Pace1224_19 (G2), Padfoot_24 (K1), Padpat_24 (K1), Paito_19 (G1), Paola_22 (K5), Peanam_24 (K1), Peeb_19 (G1), Peel_24 (K1), Periodt_19 (G1), Pharb_23 (K3), PhelpsODU_23 (K6), Phish_19 (G1), Phloodle_19 (G1), Phrank_23 (K6), Phreak_19 (G1), Piatt_24 (K1), PinkYoshi_19 (G1), Pinnie_20 (G3), Pisa1_23 (K1), Pixie_23 (K3), Plagueis_19 (G1), Pokerus_23 (K1), Primanti_19 (G1), Prithvi_24 (K1), Psycho_23 (K5), QuincyRose_23 (K1), Rabbs_19 (G1), Ramen_24 (K1), Rando14_23 (K5), Rapunzel97_24 (K1), Rattrick_19 (G1), Remy19_19 (G1), Renaissance_19 (G1), Richarlison_19 (G1), Richo_24 (K1), Rosmarinus_24 (K1), Ruriko_19 (G1), Salvus_23 (AB), SamuelLPlaqson_24 (K1), Schiebel_19 (G1), SgtBeansprout_20 (K1), ShaboiShabazz_19 (G1), Shadow1_22 (K6), Shaobing_24 (K1), ShedlockHolmes_23 (K3), ShiaSurprise_24 (K1), SirPhilip_23 (K6), Sizemore_19 (G1), Slimphazie_24 (K1), Sneeze_19 (G1), SoSeph_22 (K5), Spock_24 (K1), Stargaze_19 (G5), Stinson_24 (K1), Strobilo_20 (K2), Sulley_24 (K1), Sunflower1121_22 (K6), Sweets_19 (G1), Syra333_23 (K6), TBond007_23 (K3), TClif_23 (K6), TM4_20 (K2), Tachez_24 (K1), Taheera_19 (G1), TaiwanKao_25 (K1), Teejan_20 (K1), Terralys_19 (G1), Terror_19 (G1), Thyatira_22 (K5), Tierra_23 (K6), Tigress9_23 (K6), TinaBug_19 (G1), TingHuaYa_24 (K1), TiniBug_24 (K1), Tiri_24 (K1), TomBrady_19 (G1), Topper_24 (K1), Torres_20 (K1), TreyKay_24 (K1), TribleTrouble_22 (K3), Trice_20 (K1), TruffulaTree_24 (K1), Twitch_24 (K1), Unicorn_23 (K6), Urkel_24 (K1), Validus_24 (K1), Veliki_24 (K1), ViviJ_21 (K5), Waterfoul_22 (K5), Wendigo_19 (G1), Ximenita_24 (K6), YangYin_19 (G5), YoureAdopted_23 (K1), Yuna_25 (K6), Yunkel11_24 (K1), Zabiza_24 (K1), Zavala_24 (K1), ZoMa_19 (G1), ZoeJ_20 (K2), Zombie_19 (G1),

Start 10:
• Found in 7 of 332 (2.1%) of genes in pham
• Manual Annotations of this start: 6 of 306
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Chris_23 (K1), KiSi_23 (K1), LeMond_23 (K1), Nibb_23 (K1), Oscar_23 (K1), Scarlett_23 (K1),

Start 13:
• Found in 57 of 332 (17.2%) of genes in pham
• Manual Annotations of this start: 1 of 306
• Called 1.8% of time when present
• Phage (with cluster) where this start called: MarkPhew_24 (K1),

Start 15:
• Found in 6 of 332 (1.8%) of genes in pham
• Manual Annotations of this start: 6 of 306
• Called 100.0% of time when present

• Phage (with cluster) where this start called: AuntGwenStacy_25 (Y), Bipper_25 (Y), Cracklewink_25 (Y), Faiyaz_25 (Y), Hilltopfarm_25 (Y), Typha_25 (Y),

Start 22:
• Found in 3 of 332 (0.9%) of genes in pham
• Manual Annotations of this start: 3 of 306
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gaia_19 (X), Nebkiss_20 (X), Stellammi_18 (UNK),

Start 23:
• Found in 1 of 332 (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: TPA4_21 (singleton),

Start 29:
• Found in 9 of 332 (2.7%) of genes in pham
• Manual Annotations of this start: 1 of 306
• Called 11.1% of time when present
• Phage (with cluster) where this start called: P3MA_19 (singleton),

Start 32:
• Found in 136 of 332 (41.0%) of genes in pham
• No Manual Annotations of this start.
• Called 0.7% of time when present
• Phage (with cluster) where this start called: Pisa4_23 (K1),

Summary by clusters:

There are 19 clusters represented in this pham: G5, AB, G3, G1, G, UNK, singleton, K3, K2, K1, G4, K7, K6, K5, K4, Y, X, K8, G2,

Info for manual annotations of cluster AB:
•Start number 8 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster G:
•Start number 8 was manually annotated 2 times for cluster G.

Info for manual annotations of cluster G1:
•Start number 5 was manually annotated 1 time for cluster G1.
•Start number 8 was manually annotated 69 times for cluster G1.

Info for manual annotations of cluster G2:
•Start number 8 was manually annotated 4 times for cluster G2.

Info for manual annotations of cluster G3:
•Start number 8 was manually annotated 3 times for cluster G3.

Info for manual annotations of cluster G4:
•Start number 8 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

•Start number 8 was manually annotated 3 times for cluster G5.

Info for manual annotations of cluster K1:
•Start number 8 was manually annotated 106 times for cluster K1.
•Start number 10 was manually annotated 6 times for cluster K1.
•Start number 13 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K2:
•Start number 8 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 8 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 6 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:
•Start number 8 was manually annotated 25 times for cluster K5.

Info for manual annotations of cluster K6:
•Start number 8 was manually annotated 26 times for cluster K6.

Info for manual annotations of cluster K7:
•Start number 8 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 7 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster UNK:
•Start number 22 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster X:
•Start number 22 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:
•Start number 15 was manually annotated 6 times for cluster Y.

Gene Information:

Gene: 8UZL_22 Start: 17855, Stop: 18298, Start Num: 8
Candidate Starts for 8UZL_22:
(Start: 8 @17855 has 265 MA's), (37, 17951), (39, 17963), (44, 17984), (51, 18017), (67, 18095), (70, 18131), (74, 18155), (76, 18179),

Gene: ActinUp_24 Start: 18923, Stop: 19399, Start Num: 8
Candidate Starts for ActinUp_24:
(Start: 8 @18923 has 265 MA's), (30, 18956), (32, 18968), (39, 18998), (52, 19058), (56, 19070), (58, 19076), (67, 19130), (74, 19190),

Gene: Adephagia_24 Start: 18920, Stop: 19396, Start Num: 8
Candidate Starts for Adephagia_24:

(Start: 8 @18920 has 265 MA's), (30, 18953), (32, 18965), (39, 18995), (52, 19055), (56, 19067), (58, 19073), (67, 19127), (74, 19187),

Gene: Adonis_24 Start: 18926, Stop: 19402, Start Num: 8
Candidate Starts for Adonis_24:
(Start: 8 @18926 has 265 MA's), (30, 18959), (32, 18971), (39, 19001), (52, 19061), (56, 19073), (58, 19079), (67, 19133), (74, 19193),

Gene: Agent47_22 Start: 19364, Stop: 19873, Start Num: 8
Candidate Starts for Agent47_22:
(Start: 8 @19364 has 265 MA's), (Start: 13 @19379 has 1 MA's), (39, 19433), (65, 19544), (74, 19646), (84, 19715),

Gene: Ageofdapage_24 Start: 18854, Stop: 19330, Start Num: 8
Candidate Starts for Ageofdapage_24:
(Start: 8 @18854 has 265 MA's), (30, 18887), (32, 18899), (37, 18917), (39, 18929), (46, 18962), (52, 18989), (56, 19001), (58, 19007), (74, 19121),

Gene: AizenPogi_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for AizenPogi_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: AlishaPH_24 Start: 18913, Stop: 19389, Start Num: 8
Candidate Starts for AlishaPH_24:
(Start: 8 @18913 has 265 MA's), (30, 18946), (32, 18958), (39, 18988), (52, 19048), (56, 19060), (58, 19066), (67, 19120), (74, 19180),

Gene: AlleyCat_23 Start: 19301, Stop: 19810, Start Num: 8
Candidate Starts for AlleyCat_23:
(Start: 8 @19301 has 265 MA's), (Start: 13 @19316 has 1 MA's), (39, 19370), (65, 19481), (74, 19583),

Gene: Amelie_20 Start: 18463, Stop: 18939, Start Num: 8
Candidate Starts for Amelie_20:
(Start: 5 @18418 has 1 MA's), (Start: 8 @18463 has 265 MA's), (11, 18469), (24, 18487), (30, 18496), (39, 18538), (52, 18598), (58, 18616), (67, 18670), (69, 18688), (74, 18730),

Gene: Amgine_22 Start: 19009, Stop: 19494, Start Num: 8
Candidate Starts for Amgine_22:
(Start: 8 @19009 has 265 MA's), (Start: 13 @19024 has 1 MA's), (30, 19042), (32, 19054), (39, 19084), (52, 19144), (56, 19156), (58, 19162), (61, 19177), (69, 19234), (74, 19276), (91, 19396),

Gene: Aminay_22 Start: 19210, Stop: 19692, Start Num: 8
Candidate Starts for Aminay_22:
(4, 18916), (Start: 8 @19210 has 265 MA's), (24, 19234), (30, 19243), (32, 19255), (39, 19279), (52, 19339), (58, 19357), (69, 19429), (74, 19492),

Gene: Amohnition_23 Start: 19395, Stop: 19892, Start Num: 8
Candidate Starts for Amohnition_23:
(Start: 8 @19395 has 265 MA's), (24, 19419), (30, 19428), (32, 19440), (37, 19458), (39, 19470), (52, 19530), (55, 19539), (58, 19548), (61, 19563), (69, 19620), (74, 19662), (100, 19857),

Gene: Anaya_25 Start: 18939, Stop: 19415, Start Num: 8

Candidate Starts for Anaya_25:
(Start: 8 @18939 has 265 MA's), (Start: 13 @18954 has 1 MA's), (30, 18972), (39, 19014), (52, 19074), (58, 19092), (67, 19146), (74, 19206),

Gene: Angel_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Angel_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Angelica_24 Start: 18888, Stop: 19364, Start Num: 8
Candidate Starts for Angelica_24:
(Start: 8 @18888 has 265 MA's), (30, 18921), (32, 18933), (39, 18963), (52, 19023), (56, 19035), (58, 19041), (67, 19095), (74, 19155), (84, 19224),

Gene: Anma_24 Start: 18868, Stop: 19344, Start Num: 8
Candidate Starts for Anma_24:
(Start: 8 @18868 has 265 MA's), (Start: 13 @18883 has 1 MA's), (30, 18901), (32, 18913), (37, 18931), (52, 19003), (56, 19015), (58, 19021), (61, 19036), (62, 19045), (67, 19075), (70, 19111), (74, 19135),

Gene: Annihilator_19 Start: 18394, Stop: 18855, Start Num: 8
Candidate Starts for Annihilator_19:
(Start: 5 @18349 has 1 MA's), (Start: 8 @18394 has 265 MA's), (43, 18496), (47, 18517), (68, 18613), (74, 18652), (75, 18673),

Gene: Antsirabe_19 Start: 18709, Stop: 19239, Start Num: 8
Candidate Starts for Antsirabe_19:
(Start: 8 @18709 has 265 MA's), (14, 18751), (19, 18781), (79, 19081), (83, 19099), (100, 19213),

Gene: Apocalypse_24 Start: 18891, Stop: 19367, Start Num: 8
Candidate Starts for Apocalypse_24:
(Start: 8 @18891 has 265 MA's), (30, 18924), (32, 18936), (39, 18966), (52, 19026), (56, 19038), (58, 19044), (67, 19098), (74, 19158),

Gene: Applecrisp_22 Start: 19420, Stop: 19908, Start Num: 8
Candidate Starts for Applecrisp_22:
(Start: 8 @19420 has 265 MA's), (Start: 13 @19435 has 1 MA's), (30, 19453), (32, 19465), (39, 19495), (52, 19555), (56, 19567), (58, 19573), (61, 19588), (69, 19645), (74, 19687), (91, 19807),

Gene: Aroostook_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Aroostook_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Asayake_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Asayake_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: Atiba_24 Start: 18883, Stop: 19359, Start Num: 8
Candidate Starts for Atiba_24:
(Start: 8 @18883 has 265 MA's), (30, 18916), (32, 18928), (39, 18958), (52, 19018), (56, 19030), (58, 19036), (67, 19090), (74, 19150),

Gene: AuntGwenStacy_25 Start: 21443, Stop: 21985, Start Num: 15
Candidate Starts for AuntGwenStacy_25:
(Start: 15 @21443 has 6 MA's), (17, 21458), (26, 21524), (35, 21581), (40, 21605), (42, 21614), (43, 21620), (44, 21623), (49, 21650), (54, 21671), (63, 21707), (67, 21740), (69, 21758), (86, 21878), (94, 21920),

Gene: Avocado_19 Start: 18653, Stop: 19183, Start Num: 8
Candidate Starts for Avocado_19:
(Start: 8 @18653 has 265 MA's), (14, 18692), (68, 18938), (74, 18977), (83, 19040), (96, 19118), (100, 19157),

Gene: Avrafan_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Avrafan_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: AzulaCat_19 Start: 18358, Stop: 18864, Start Num: 5
Candidate Starts for AzulaCat_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: BEEST_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for BEEST_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: BGlluviae_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for BGlluviae_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: BPs_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for BPs_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: BQuat_19 Start: 18394, Stop: 18855, Start Num: 8
Candidate Starts for BQuat_19:
(Start: 5 @18349 has 1 MA's), (Start: 8 @18394 has 265 MA's), (43, 18496), (47, 18517), (68, 18613), (74, 18652), (75, 18673),

Gene: BaghaKamala_24 Start: 18883, Stop: 19359, Start Num: 8
Candidate Starts for BaghaKamala_24:
(Start: 8 @18883 has 265 MA's), (30, 18916), (32, 18928), (39, 18958), (52, 19018), (56, 19030), (58, 19036), (67, 19090), (74, 19150),

Gene: BananenDer11_22 Start: 19325, Stop: 19834, Start Num: 8
Candidate Starts for BananenDer11_22:
(Start: 8 @19325 has 265 MA's), (Start: 13 @19340 has 1 MA's), (39, 19394), (65, 19505), (74, 19607), (84, 19676),

Gene: Barkley26_19 Start: 18406, Stop: 18867, Start Num: 8
Candidate Starts for Barkley26_19:

(1, 17833), (Start: 5 @18361 has 1 MA's), (Start: 8 @18406 has 265 MA's), (43, 18508), (47, 18529), (68, 18625), (74, 18664),

Gene: BarrelRoll_24 Start: 18906, Stop: 19382, Start Num: 8
Candidate Starts for BarrelRoll_24:
(Start: 8 @18906 has 265 MA's), (30, 18939), (32, 18951), (39, 18981), (52, 19041), (56, 19053), (58, 19059), (67, 19113), (74, 19173),

Gene: Beezoo_24 Start: 18930, Stop: 19406, Start Num: 8
Candidate Starts for Beezoo_24:
(Start: 8 @18930 has 265 MA's), (30, 18963), (32, 18975), (39, 19005), (52, 19065), (56, 19077), (58, 19083), (67, 19137), (74, 19197),

Gene: Bella96_24 Start: 18850, Stop: 19326, Start Num: 8
Candidate Starts for Bella96_24:
(Start: 8 @18850 has 265 MA's), (Start: 13 @18865 has 1 MA's), (30, 18883), (32, 18895), (37, 18913), (52, 18985), (56, 18997), (58, 19003), (61, 19018), (62, 19027), (67, 19057), (70, 19093), (74, 19117),

Gene: Belladonna_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Belladonna_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: Bern_24 Start: 18878, Stop: 19354, Start Num: 8
Candidate Starts for Bern_24:
(Start: 8 @18878 has 265 MA's), (Start: 13 @18893 has 1 MA's), (30, 18911), (32, 18923), (39, 18953), (52, 19013), (58, 19031), (74, 19145), (96, 19301),

Gene: Biglebops_20 Start: 18463, Stop: 18939, Start Num: 8
Candidate Starts for Biglebops_20:
(Start: 5 @18418 has 1 MA's), (Start: 8 @18463 has 265 MA's), (11, 18469), (24, 18487), (30, 18496), (39, 18538), (52, 18598), (58, 18616), (67, 18670), (69, 18688), (74, 18730),

Gene: Bipper_25 Start: 21590, Stop: 22132, Start Num: 15
Candidate Starts for Bipper_25:
(Start: 15 @21590 has 6 MA's), (17, 21605), (21, 21626), (27, 21677), (33, 21719), (35, 21728), (36, 21737), (40, 21752), (43, 21767), (44, 21770), (46, 21782), (49, 21797), (54, 21818), (59, 21830), (69, 21905), (86, 22025), (94, 22067),

Gene: Blizzard_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Blizzard_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: Bobquesha_26 Start: 20155, Stop: 20673, Start Num: 6
Candidate Starts for Bobquesha_26:
(Start: 6 @20155 has 22 MA's), (39, 20239), (52, 20299), (58, 20317), (69, 20389), (74, 20452), (101, 20662),

Gene: Boiiii_24 Start: 18956, Stop: 19432, Start Num: 8
Candidate Starts for Boiiii_24:
(Start: 8 @18956 has 265 MA's), (30, 18989), (32, 19001), (39, 19031), (52, 19091), (56, 19103), (58, 19109), (67, 19163), (74, 19223),

Gene: Boilgate_21 Start: 19350, Stop: 19856, Start Num: 7
Candidate Starts for Boilgate_21:
(Start: 7 @19350 has 1 MA's), (9, 19362), (24, 19380), (37, 19410), (39, 19422), (44, 19443), (58, 19500), (60, 19503), (69, 19572),

Gene: BoostSeason_20 Start: 16808, Stop: 17272, Start Num: 8
Candidate Starts for BoostSeason_20:
(Start: 5 @16763 has 1 MA's), (Start: 8 @16808 has 265 MA's), (34, 16841), (39, 16862), (48, 16904), (52, 16922), (58, 16940), (93, 17180),

Gene: BruceB_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for BruceB_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Bryler_23 Start: 18116, Stop: 18589, Start Num: 8
Candidate Starts for Bryler_23:
(Start: 8 @18116 has 265 MA's), (30, 18149), (32, 18161), (37, 18179), (39, 18191), (58, 18269), (67, 18323), (69, 18341), (74, 18383),

Gene: CLED96_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for CLED96_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: CREW_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for CREW_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: Cain_23 Start: 18104, Stop: 18577, Start Num: 8
Candidate Starts for Cain_23:
(Start: 8 @18104 has 265 MA's), (30, 18137), (32, 18149), (37, 18167), (39, 18179), (58, 18257), (67, 18311), (69, 18329), (74, 18371),

Gene: CallaLilly_24 Start: 18877, Stop: 19353, Start Num: 8
Candidate Starts for CallaLilly_24:
(Start: 8 @18877 has 265 MA's), (30, 18910), (32, 18922), (39, 18952), (52, 19012), (56, 19024), (58, 19030), (67, 19084), (74, 19144),

Gene: Cambiare_20 Start: 19118, Stop: 19648, Start Num: 8
Candidate Starts for Cambiare_20:
(Start: 8 @19118 has 265 MA's), (14, 19157), (68, 19403), (74, 19442), (83, 19505), (96, 19583), (100, 19622),

Gene: Camri_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Camri_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Capricorn_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Capricorn_24:

(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: CaseJules_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for CaseJules_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: CassieYates_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for CassieYates_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Cedasite_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Cedasite_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Chance64_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Chance64_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Chancellor_25 Start: 20421, Stop: 20939, Start Num: 6
Candidate Starts for Chancellor_25:
(Start: 6 @20421 has 22 MA's), (39, 20505), (52, 20565), (58, 20583), (69, 20655), (74, 20718), (101, 20928),

Gene: Chavito_24 Start: 18290, Stop: 18766, Start Num: 8
Candidate Starts for Chavito_24:
(Start: 5 @18245 has 1 MA's), (Start: 8 @18290 has 265 MA's), (11, 18296), (24, 18314), (30, 18323), (32, 18335), (39, 18365), (45, 18389), (52, 18425), (58, 18443), (74, 18557), (100, 18752),

Gene: CheetoDust_24 Start: 18931, Stop: 19407, Start Num: 8
Candidate Starts for CheetoDust_24:
(Start: 8 @18931 has 265 MA's), (30, 18964), (32, 18976), (39, 19006), (52, 19066), (56, 19078), (58, 19084), (67, 19138), (74, 19198),

Gene: Cheetobro_25 Start: 20418, Stop: 20936, Start Num: 6
Candidate Starts for Cheetobro_25:
(Start: 6 @20418 has 22 MA's), (39, 20502), (52, 20562), (58, 20580), (69, 20652), (74, 20715), (101, 20925),

Gene: Cherrybomb426_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Cherrybomb426_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Chris_23 Start: 18146, Stop: 18661, Start Num: 10
Candidate Starts for Chris_23:
(Start: 10 @18146 has 6 MA's), (11, 18149), (Start: 13 @18158 has 1 MA's), (30, 18176), (39, 18218), (56, 18290), (58, 18296), (67, 18350), (70, 18386), (74, 18410), (100, 18596), (104, 18650),

Gene: Clipper_24 Start: 18931, Stop: 19407, Start Num: 8
Candidate Starts for Clipper_24:
(Start: 8 @18931 has 265 MA's), (30, 18964), (32, 18976), (39, 19006), (52, 19066), (56, 19078), (58, 19084), (67, 19138), (74, 19198),

Gene: Cloudyecho_19 Start: 18558, Stop: 19091, Start Num: 8
Candidate Starts for Cloudyecho_19:
(Start: 8 @18558 has 265 MA's), (14, 18603), (20, 18636), (43, 18732), (52, 18774), (68, 18849), (78, 18924), (79, 18933), (100, 19065),

Gene: Coleslaw_19 Start: 18394, Stop: 18855, Start Num: 8
Candidate Starts for Coleslaw_19:
(Start: 5 @18349 has 1 MA's), (Start: 8 @18394 has 265 MA's), (43, 18496), (47, 18517), (68, 18613), (74, 18652), (75, 18673),

Gene: Collard_22 Start: 19325, Stop: 19834, Start Num: 8
Candidate Starts for Collard_22:
(Start: 8 @19325 has 265 MA's), (Start: 13 @19340 has 1 MA's), (39, 19394), (65, 19505), (74, 19607), (84, 19676),

Gene: Cracklewink_25 Start: 21590, Stop: 22132, Start Num: 15
Candidate Starts for Cracklewink_25:
(Start: 15 @21590 has 6 MA's), (17, 21605), (21, 21626), (27, 21677), (33, 21719), (35, 21728), (36, 21737), (40, 21752), (43, 21767), (44, 21770), (49, 21797), (54, 21818), (59, 21830), (69, 21905), (86, 22025), (94, 22067),

Gene: Crespo_19 Start: 18404, Stop: 18865, Start Num: 8
Candidate Starts for Crespo_19:
(Start: 5 @18359 has 1 MA's), (Start: 8 @18404 has 265 MA's), (43, 18506), (47, 18527), (68, 18623), (74, 18662), (75, 18683),

Gene: CrimD_24 Start: 18892, Stop: 19368, Start Num: 8
Candidate Starts for CrimD_24:
(Start: 8 @18892 has 265 MA's), (30, 18925), (32, 18937), (39, 18967), (52, 19027), (56, 19039), (58, 19045), (67, 19099), (74, 19159),

Gene: Curiosium_25 Start: 18640, Stop: 19101, Start Num: 8
Candidate Starts for Curiosium_25:
(Start: 8 @18640 has 265 MA's), (Start: 13 @18655 has 1 MA's), (24, 18664), (30, 18673), (32, 18685), (39, 18715), (52, 18775), (56, 18787), (58, 18793), (67, 18847), (74, 18907),

Gene: DMoney_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for DMoney_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: DNAIII_0019 Start: 18412, Stop: 18873, Start Num: 8
Candidate Starts for DNAIII_0019:
(Start: 5 @18367 has 1 MA's), (Start: 8 @18412 has 265 MA's), (43, 18514), (47, 18535), (68, 18631), (74, 18670), (75, 18691),

Gene: Dadosky_23 Start: 19302, Stop: 19811, Start Num: 8
Candidate Starts for Dadosky_23:

(Start: 8 @19302 has 265 MA's), (Start: 13 @19317 has 1 MA's), (39, 19371), (65, 19482), (74, 19584),

Gene: Dalmuri_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Dalmuri_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: DanSyl44_26 Start: 20424, Stop: 20942, Start Num: 6
Candidate Starts for DanSyl44_26:
(Start: 6 @20424 has 22 MA's), (39, 20508), (52, 20568), (58, 20586), (69, 20658), (74, 20721), (101, 20931),

Gene: Darionha_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Darionha_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: DartGoblin_24 Start: 18847, Stop: 19323, Start Num: 8
Candidate Starts for DartGoblin_24:
(Start: 8 @18847 has 265 MA's), (Start: 13 @18862 has 1 MA's), (30, 18880), (32, 18892), (37, 18910), (52, 18982), (56, 18994), (58, 19000), (61, 19015), (62, 19024), (67, 19054), (70, 19090), (74, 19114),

Gene: DarthP_23 Start: 19344, Stop: 19838, Start Num: 8
Candidate Starts for DarthP_23:
(Start: 8 @19344 has 265 MA's), (24, 19368), (30, 19377), (32, 19389), (37, 19407), (39, 19419), (52, 19479), (55, 19488), (58, 19497), (61, 19512), (69, 19569), (74, 19611), (100, 19806),

Gene: Dartin_24 Start: 18280, Stop: 18756, Start Num: 8
Candidate Starts for Dartin_24:
(Start: 5 @18235 has 1 MA's), (Start: 8 @18280 has 265 MA's), (11, 18286), (24, 18304), (30, 18313), (32, 18325), (39, 18355), (52, 18415), (58, 18433), (74, 18547),

Gene: Deby_24 Start: 18888, Stop: 19364, Start Num: 8
Candidate Starts for Deby_24:
(Start: 8 @18888 has 265 MA's), (30, 18921), (32, 18933), (39, 18963), (52, 19023), (56, 19035), (58, 19041), (67, 19095), (74, 19155), (84, 19224),

Gene: Devera_24 Start: 18935, Stop: 19411, Start Num: 8
Candidate Starts for Devera_24:
(Start: 8 @18935 has 265 MA's), (30, 18968), (32, 18980), (37, 18998), (39, 19010), (52, 19070), (56, 19082), (58, 19088), (61, 19103), (74, 19202),

Gene: DingDing_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for DingDing_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: DismalFunk_20 Start: 16782, Stop: 17246, Start Num: 8
Candidate Starts for DismalFunk_20:
(Start: 5 @16737 has 1 MA's), (Start: 8 @16782 has 265 MA's), (34, 16815), (39, 16836), (48, 16878), (52, 16896), (58, 16914), (93, 17154),

Gene: DismalStressor_20 Start: 16782, Stop: 17246, Start Num: 8

Candidate Starts for DismalStressor_20:
(Start: 5 @16737 has 1 MA's), (Start: 8 @16782 has 265 MA's), (34, 16815), (39, 16836), (48, 16878), (52, 16896), (58, 16914), (93, 17154),

Gene: Dole_24 Start: 18937, Stop: 19413, Start Num: 8
Candidate Starts for Dole_24:
(Start: 8 @18937 has 265 MA's), (30, 18970), (32, 18982), (37, 19000), (39, 19012), (52, 19072), (56, 19084), (58, 19090), (61, 19105), (74, 19204),

Gene: DoubleChamp_22 Start: 19325, Stop: 19834, Start Num: 8
Candidate Starts for DoubleChamp_22:
(Start: 8 @19325 has 265 MA's), (Start: 13 @19340 has 1 MA's), (39, 19394), (65, 19505), (74, 19607), (84, 19676),

Gene: Doughnut_20 Start: 16802, Stop: 17266, Start Num: 8
Candidate Starts for Doughnut_20:
(Start: 5 @16757 has 1 MA's), (Start: 8 @16802 has 265 MA's), (34, 16835), (39, 16856), (48, 16898), (52, 16916), (58, 16934), (93, 17174),

Gene: DrHayes_24 Start: 18868, Stop: 19344, Start Num: 8
Candidate Starts for DrHayes_24:
(Start: 8 @18868 has 265 MA's), (Start: 13 @18883 has 1 MA's), (30, 18901), (32, 18913), (37, 18931), (52, 19003), (56, 19015), (58, 19021), (61, 19036), (62, 19045), (67, 19075), (70, 19111), (74, 19135),

Gene: Durfee_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Durfee_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: ECartman_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for ECartman_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Edugator_22 Start: 19301, Stop: 19810, Start Num: 8
Candidate Starts for Edugator_22:
(Start: 8 @19301 has 265 MA's), (Start: 13 @19316 has 1 MA's), (39, 19370), (65, 19481), (74, 19583),

Gene: Efra2_24 Start: 18130, Stop: 18600, Start Num: 8
Candidate Starts for Efra2_24:
(Start: 8 @18130 has 265 MA's), (Start: 13 @18145 has 1 MA's), (30, 18163), (32, 18175), (39, 18205), (52, 18265), (58, 18283), (67, 18337), (74, 18397),

Gene: Ekdilam_21 Start: 19106, Stop: 19603, Start Num: 8
Candidate Starts for Ekdilam_21:
(Start: 8 @19106 has 265 MA's), (24, 19130), (30, 19139), (32, 19151), (37, 19169), (39, 19181), (52, 19241), (55, 19250), (58, 19259), (61, 19274), (69, 19331), (74, 19373), (100, 19568),

Gene: Ellie_21 Start: 19090, Stop: 19578, Start Num: 8
Candidate Starts for Ellie_21:
(Start: 8 @19090 has 265 MA's), (Start: 13 @19105 has 1 MA's), (30, 19123), (32, 19135), (39, 19165), (52, 19225), (56, 19237), (58, 19243), (61, 19258), (69, 19315), (74, 19357), (91, 19477),

Gene: Emerson_24 Start: 18914, Stop: 19390, Start Num: 8
Candidate Starts for Emerson_24:
(Start: 8 @18914 has 265 MA's), (30, 18947), (32, 18959), (39, 18989), (52, 19049), (56, 19061), (58, 19067), (67, 19121), (74, 19181),

Gene: Enkosi_20 Start: 18463, Stop: 18939, Start Num: 8
Candidate Starts for Enkosi_20:
(Start: 5 @18418 has 1 MA's), (Start: 8 @18463 has 265 MA's), (11, 18469), (24, 18487), (30, 18496), (39, 18538), (52, 18598), (58, 18616), (67, 18670), (69, 18688), (74, 18730),

Gene: Eponine_25 Start: 20311, Stop: 20829, Start Num: 6
Candidate Starts for Eponine_25:
(Start: 6 @20311 has 22 MA's), (39, 20395), (52, 20455), (58, 20473), (69, 20545), (74, 20608), (101, 20818),

Gene: FF47_22 Start: 17782, Stop: 18225, Start Num: 8
Candidate Starts for FF47_22:
(Start: 8 @17782 has 265 MA's), (37, 17878), (39, 17890), (44, 17911), (51, 17944), (67, 18022), (70, 18058), (74, 18082),

Gene: Faiyaz_25 Start: 21443, Stop: 21985, Start Num: 15
Candidate Starts for Faiyaz_25:
(Start: 15 @21443 has 6 MA's), (17, 21458), (26, 21524), (35, 21581), (40, 21605), (42, 21614), (43, 21620), (44, 21623), (49, 21650), (54, 21671), (63, 21707), (67, 21740), (69, 21758), (86, 21878), (94, 21920),

Gene: Fefferhead_23 Start: 19257, Stop: 19745, Start Num: 8
Candidate Starts for Fefferhead_23:
(Start: 8 @19257 has 265 MA's), (Start: 13 @19272 has 1 MA's), (30, 19290), (32, 19302), (39, 19332), (52, 19392), (56, 19404), (58, 19410), (61, 19425), (69, 19482), (74, 19524),

Gene: Feyre_22 Start: 19186, Stop: 19695, Start Num: 8
Candidate Starts for Feyre_22:
(Start: 8 @19186 has 265 MA's), (Start: 13 @19201 has 1 MA's), (39, 19255), (65, 19366), (74, 19468),

Gene: Findley_20 Start: 16785, Stop: 17249, Start Num: 8
Candidate Starts for Findley_20:
(Start: 5 @16740 has 1 MA's), (Start: 8 @16785 has 265 MA's), (34, 16818), (39, 16839), (48, 16881), (52, 16899), (58, 16917), (93, 17157),

Gene: Fionnbharth_25 Start: 20411, Stop: 20929, Start Num: 6
Candidate Starts for Fionnbharth_25:
(Start: 6 @20411 has 22 MA's), (39, 20495), (52, 20555), (58, 20573), (69, 20645), (74, 20708), (101, 20918),

Gene: FlagStaff_19 Start: 18575, Stop: 19054, Start Num: 8
Candidate Starts for FlagStaff_19:
(2, 18014), (3, 18146), (Start: 8 @18575 has 265 MA's), (38, 18671), (43, 18692), (96, 18989), (100, 19028),

Gene: ForeverHowLong_19 Start: 18398, Stop: 18859, Start Num: 8
Candidate Starts for ForeverHowLong_19:

(Start: 5 @18353 has 1 MA's), (Start: 8 @18398 has 265 MA's), (43, 18500), (47, 18521), (68, 18617), (74, 18656), (75, 18677),

Gene: Frosty24_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Frosty24_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Gaia_19 Start: 17700, Stop: 18209, Start Num: 22
Candidate Starts for Gaia_19:
(Start: 22 @17700 has 3 MA's), (34, 17784), (46, 17829), (61, 17889), (77, 18009), (79, 18027), (82, 18042), (88, 18087), (97, 18138),

Gene: Ganymede_25 Start: 18934, Stop: 19410, Start Num: 8
Candidate Starts for Ganymede_25:
(Start: 8 @18934 has 265 MA's), (30, 18967), (32, 18979), (39, 19009), (52, 19069), (56, 19081), (58, 19087), (67, 19141), (74, 19201),

Gene: Gengar_22 Start: 19293, Stop: 19802, Start Num: 8
Candidate Starts for Gengar_22:
(Start: 8 @19293 has 265 MA's), (Start: 13 @19308 has 1 MA's), (39, 19362), (65, 19473), (74, 19575),

Gene: Geraldini_24 Start: 18930, Stop: 19406, Start Num: 8
Candidate Starts for Geraldini_24:
(Start: 8 @18930 has 265 MA's), (30, 18963), (32, 18975), (39, 19005), (52, 19065), (56, 19077), (58, 19083), (67, 19137), (74, 19197),

Gene: Gideon_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Gideon_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: GodSpeed_19 Start: 18557, Stop: 19087, Start Num: 8
Candidate Starts for GodSpeed_19:
(Start: 8 @18557 has 265 MA's), (14, 18593), (43, 18725), (96, 19022), (100, 19061),

Gene: GoldenAsh_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for GoldenAsh_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Gomashi_19 Start: 18404, Stop: 18865, Start Num: 8
Candidate Starts for Gomashi_19:
(Start: 5 @18359 has 1 MA's), (Start: 8 @18404 has 265 MA's), (43, 18506), (47, 18527), (68, 18623), (74, 18662), (75, 18683),

Gene: Grizzly_19 Start: 18406, Stop: 18867, Start Num: 8
Candidate Starts for Grizzly_19:
(1, 17833), (Start: 5 @18361 has 1 MA's), (Start: 8 @18406 has 265 MA's), (43, 18508), (47, 18529), (68, 18625), (74, 18664),

Gene: Guanica15_24 Start: 18146, Stop: 18616, Start Num: 8
Candidate Starts for Guanica15_24:

(Start: 8 @18146 has 265 MA's), (Start: 13 @18161 has 1 MA's), (30, 18179), (32, 18191), (39, 18221), (52, 18281), (58, 18299), (67, 18353), (74, 18413),

Gene: Guillsminger_22 Start: 19268, Stop: 19777, Start Num: 8
Candidate Starts for Guillsminger_22:
(Start: 8 @19268 has 265 MA's), (Start: 13 @19283 has 1 MA's), (39, 19337), (65, 19448), (74, 19550),

Gene: Halo_19 Start: 18398, Stop: 18859, Start Num: 8
Candidate Starts for Halo_19:
(Start: 5 @18353 has 1 MA's), (Start: 8 @18398 has 265 MA's), (43, 18500), (47, 18521), (68, 18617), (74, 18656), (75, 18677),

Gene: Hammy_23 Start: 19338, Stop: 19835, Start Num: 8
Candidate Starts for Hammy_23:
(Start: 8 @19338 has 265 MA's), (24, 19362), (30, 19371), (32, 19383), (37, 19401), (39, 19413), (52, 19473), (55, 19482), (58, 19491), (61, 19506), (69, 19563), (74, 19605), (100, 19800),

Gene: HedwigODU_24 Start: 18923, Stop: 19399, Start Num: 8
Candidate Starts for HedwigODU_24:
(Start: 8 @18923 has 265 MA's), (30, 18956), (32, 18968), (39, 18998), (52, 19058), (56, 19070), (58, 19076), (67, 19130), (74, 19190),

Gene: Heftyboy_22 Start: 19416, Stop: 19925, Start Num: 8
Candidate Starts for Heftyboy_22:
(Start: 8 @19416 has 265 MA's), (Start: 13 @19431 has 1 MA's), (39, 19485), (65, 19596), (74, 19698),

Gene: Hilltopfarm_25 Start: 21473, Stop: 22015, Start Num: 15
Candidate Starts for Hilltopfarm_25:
(Start: 15 @21473 has 6 MA's), (17, 21488), (26, 21554), (35, 21611), (40, 21635), (42, 21644), (43, 21650), (44, 21653), (49, 21680), (54, 21701), (63, 21737), (67, 21770), (69, 21788), (86, 21908), (94, 21950),

Gene: Homura_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Homura_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: Hope_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Hope_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Hotshotbaby7_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Hotshotbaby7_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Hurricane_23 Start: 19350, Stop: 19862, Start Num: 8
Candidate Starts for Hurricane_23:
(Start: 5 @19305 has 1 MA's), (Start: 8 @19350 has 265 MA's), (Start: 29 @19377 has 1 MA's), (31, 19386), (39, 19422), (50, 19473), (52, 19482), (55, 19491), (58, 19500), (70, 19590), (93, 19740), (99, 19791),

Gene: Hyperbowlee_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Hyperbowlee_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: Illumine_24 Start: 18937, Stop: 19413, Start Num: 8
Candidate Starts for Illumine_24:
(Start: 8 @18937 has 265 MA's), (30, 18970), (32, 18982), (37, 19000), (39, 19012), (52, 19072), (56, 19084), (58, 19090), (61, 19105), (74, 19204),

Gene: Inky_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Inky_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: InvictusManeo_22 Start: 19368, Stop: 19877, Start Num: 8
Candidate Starts for InvictusManeo_22:
(Start: 8 @19368 has 265 MA's), (Start: 13 @19383 has 1 MA's), (39, 19437), (65, 19548), (74, 19650), (84, 19719),

Gene: JAWS_24 Start: 18908, Stop: 19384, Start Num: 8
Candidate Starts for JAWS_24:
(Start: 8 @18908 has 265 MA's), (30, 18941), (32, 18953), (39, 18983), (52, 19043), (56, 19055), (58, 19061), (67, 19115), (74, 19175),

Gene: JF1_25 Start: 20410, Stop: 20928, Start Num: 6
Candidate Starts for JF1_25:
(Start: 6 @20410 has 22 MA's), (39, 20494), (52, 20554), (58, 20572), (69, 20644), (74, 20707), (101, 20917),

Gene: JacoRen57_18 Start: 17296, Stop: 17742, Start Num: 8
Candidate Starts for JacoRen57_18:
(Start: 8 @17296 has 265 MA's), (12, 17326), (25, 17347), (39, 17404), (46, 17437), (51, 17458), (53, 17470), (72, 17593), (73, 17596), (74, 17602), (85, 17674), (86, 17683),

Gene: Jane_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Jane_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Jarvi_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Jarvi_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: Jayhawk_24 Start: 18921, Stop: 19397, Start Num: 8
Candidate Starts for Jayhawk_24:
(Start: 8 @18921 has 265 MA's), (30, 18954), (32, 18966), (39, 18996), (52, 19056), (56, 19068), (58, 19074), (67, 19128), (74, 19188),

Gene: Jeckyll_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Jeckyll_24:

(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: Jeilious_19 Start: 18402, Stop: 18863, Start Num: 8
Candidate Starts for Jeilious_19:
(Start: 5 @18357 has 1 MA's), (Start: 8 @18402 has 265 MA's), (43, 18504), (47, 18525), (68, 18621), (74, 18660), (75, 18681),

Gene: Jolene_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Jolene_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Jolie2_19 Start: 17715, Stop: 18197, Start Num: 8
Candidate Starts for Jolie2_19:
(Start: 8 @17715 has 265 MA's), (32, 17781), (43, 17835), (50, 17868), (55, 17886), (68, 17952), (74, 17991), (83, 18054), (95, 18120), (99, 18153),

Gene: Jonghyun_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Jonghyun_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: JorRay_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for JorRay_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Joy99_24 Start: 18883, Stop: 19359, Start Num: 8
Candidate Starts for Joy99_24:
(Start: 8 @18883 has 265 MA's), (30, 18916), (32, 18928), (39, 18958), (52, 19018), (56, 19030), (58, 19036), (67, 19090), (74, 19150),

Gene: Juliette_25 Start: 20311, Stop: 20829, Start Num: 6
Candidate Starts for Juliette_25:
(Start: 6 @20311 has 22 MA's), (39, 20395), (52, 20455), (58, 20473), (69, 20545), (74, 20608), (101, 20818),

Gene: Kareem_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Kareem_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Kasen3_19 Start: 18404, Stop: 18865, Start Num: 8
Candidate Starts for Kasen3_19:
(Start: 5 @18359 has 1 MA's), (Start: 8 @18404 has 265 MA's), (43, 18506), (47, 18527), (68, 18623), (74, 18662), (75, 18683),

Gene: Keshu_23 Start: 19342, Stop: 19854, Start Num: 8
Candidate Starts for Keshu_23:
(Start: 5 @19297 has 1 MA's), (Start: 8 @19342 has 265 MA's), (Start: 29 @19369 has 1 MA's), (31, 19378), (39, 19414), (50, 19465), (52, 19474), (55, 19483), (58, 19492), (70, 19582), (93, 19732), (99, 19783),

Gene: Kheparia_26 Start: 18878, Stop: 19354, Start Num: 8
Candidate Starts for Kheparia_26:
(Start: 8 @18878 has 265 MA's), (Start: 13 @18893 has 1 MA's), (30, 18911), (32, 18923), (39, 18953), (52, 19013), (58, 19031), (74, 19145), (96, 19301),

Gene: KiSi_23 Start: 18086, Stop: 18562, Start Num: 10
Candidate Starts for KiSi_23:
(Start: 10 @18086 has 6 MA's), (11, 18089), (30, 18116), (32, 18128), (39, 18158), (56, 18230), (58, 18236), (67, 18290), (100, 18536),

Gene: Kratio_21 Start: 18999, Stop: 19508, Start Num: 8
Candidate Starts for Kratio_21:
(Start: 8 @18999 has 265 MA's), (Start: 13 @19014 has 1 MA's), (39, 19068), (65, 19179), (74, 19281), (84, 19350),

Gene: Kraw_25 Start: 20334, Stop: 20852, Start Num: 6
Candidate Starts for Kraw_25:
(Start: 6 @20334 has 22 MA's), (39, 20418), (52, 20478), (58, 20496), (69, 20568), (74, 20631), (101, 20841),

Gene: Krueger_23 Start: 18075, Stop: 18557, Start Num: 8
Candidate Starts for Krueger_23:
(Start: 8 @18075 has 265 MA's), (11, 18081), (30, 18108), (32, 18120), (39, 18150), (58, 18228), (69, 18300), (74, 18342),

Gene: Larva_23 Start: 19169, Stop: 19678, Start Num: 8
Candidate Starts for Larva_23:
(Start: 8 @19169 has 265 MA's), (Start: 13 @19184 has 1 MA's), (39, 19238), (65, 19349), (74, 19451),

Gene: LastHope_24 Start: 18217, Stop: 18693, Start Num: 8
Candidate Starts for LastHope_24:
(Start: 8 @18217 has 265 MA's), (Start: 13 @18232 has 1 MA's), (30, 18250), (32, 18262), (39, 18292), (45, 18316), (52, 18352), (56, 18364), (58, 18370), (67, 18424), (74, 18484),

Gene: LaterM_24 Start: 18882, Stop: 19358, Start Num: 8
Candidate Starts for LaterM_24:
(Start: 8 @18882 has 265 MA's), (30, 18915), (32, 18927), (37, 18945), (39, 18957), (52, 19017), (56, 19029), (58, 19035), (74, 19149),

Gene: Lavahound_22 Start: 19009, Stop: 19497, Start Num: 8
Candidate Starts for Lavahound_22:
(Start: 8 @19009 has 265 MA's), (Start: 13 @19024 has 1 MA's), (30, 19042), (32, 19054), (39, 19084), (52, 19144), (56, 19156), (58, 19162), (61, 19177), (69, 19234), (74, 19276), (91, 19396),

Gene: LeMond_23 Start: 18157, Stop: 18633, Start Num: 10
Candidate Starts for LeMond_23:
(Start: 10 @18157 has 6 MA's), (11, 18160), (30, 18187), (32, 18199), (39, 18229), (56, 18301), (58, 18307), (67, 18361), (100, 18607),

Gene: Lea83_23 Start: 19339, Stop: 19842, Start Num: 8
Candidate Starts for Lea83_23:

(Start: 5 @19294 has 1 MA's), (Start: 8 @19339 has 265 MA's), (Start: 29 @19357 has 1 MA's), (31, 19366), (39, 19402), (50, 19453), (52, 19462), (55, 19471), (58, 19480), (70, 19570), (93, 19720), (99, 19771),

Gene: Lebo14_25 Start: 20427, Stop: 20945, Start Num: 6
Candidate Starts for Lebo14_25:
(Start: 6 @20427 has 22 MA's), (39, 20511), (52, 20571), (58, 20589), (69, 20661), (74, 20724), (101, 20934),

Gene: Lemuria_20 Start: 18526, Stop: 19005, Start Num: 8
Candidate Starts for Lemuria_20:
(Start: 5 @18484 has 1 MA's), (Start: 8 @18526 has 265 MA's), (32, 18589), (43, 18643), (55, 18694), (68, 18760), (74, 18799), (83, 18862), (95, 18928), (99, 18961),

Gene: Leston_22 Start: 19398, Stop: 19907, Start Num: 8
Candidate Starts for Leston_22:
(Start: 8 @19398 has 265 MA's), (Start: 13 @19413 has 1 MA's), (39, 19467), (65, 19578), (74, 19680),

Gene: Liefie_19 Start: 18402, Stop: 18863, Start Num: 8
Candidate Starts for Liefie_19:
(Start: 5 @18357 has 1 MA's), (Start: 8 @18402 has 265 MA's), (43, 18504), (47, 18525), (68, 18621), (74, 18660),

Gene: LilDirt_21 Start: 19125, Stop: 19634, Start Num: 8
Candidate Starts for LilDirt_21:
(Start: 8 @19125 has 265 MA's), (Start: 13 @19140 has 1 MA's), (39, 19194), (65, 19305), (74, 19407), (84, 19476),

Gene: LilPharaoh_20 Start: 18463, Stop: 18939, Start Num: 8
Candidate Starts for LilPharaoh_20:
(Start: 5 @18418 has 1 MA's), (Start: 8 @18463 has 265 MA's), (11, 18469), (24, 18487), (30, 18496), (39, 18538), (52, 18598), (58, 18616), (67, 18670), (69, 18688), (74, 18730),

Gene: LindNT_24 Start: 18888, Stop: 19364, Start Num: 8
Candidate Starts for LindNT_24:
(Start: 8 @18888 has 265 MA's), (30, 18921), (32, 18933), (39, 18963), (52, 19023), (56, 19035), (58, 19041), (67, 19095), (74, 19155),

Gene: Llorens_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Llorens_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: Lokum_24 Start: 18955, Stop: 19431, Start Num: 8
Candidate Starts for Lokum_24:
(Start: 8 @18955 has 265 MA's), (30, 18988), (32, 19000), (39, 19030), (52, 19090), (56, 19102), (58, 19108), (67, 19162), (74, 19222),

Gene: LongHai_23 Start: 18156, Stop: 18599, Start Num: 8
Candidate Starts for LongHai_23:
(Start: 8 @18156 has 265 MA's), (37, 18252), (39, 18264), (44, 18285), (51, 18318), (67, 18396), (70, 18432), (74, 18456), (76, 18480),

Gene: LouisV14_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for LouisV14_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Lunahalos_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Lunahalos_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: MOOREtheMARYer_20 Start: 18675, Stop: 19208, Start Num: 8
Candidate Starts for MOOREtheMARYer_20:
(Start: 8 @18675 has 265 MA's), (14, 18720), (39, 18831), (68, 18966), (78, 19041), (79, 19050), (100, 19182),

Gene: MZKinsey_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for MZKinsey_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: MacKat_24 Start: 18931, Stop: 19407, Start Num: 8
Candidate Starts for MacKat_24:
(Start: 8 @18931 has 265 MA's), (30, 18964), (32, 18976), (39, 19006), (52, 19066), (56, 19078), (58, 19084), (67, 19138), (74, 19198),

Gene: MacnCheese_24 Start: 19584, Stop: 20096, Start Num: 8
Candidate Starts for MacnCheese_24:
(Start: 5 @19539 has 1 MA's), (Start: 8 @19584 has 265 MA's), (Start: 29 @19611 has 1 MA's), (31, 19620), (39, 19656), (50, 19707), (52, 19716), (55, 19725), (58, 19734), (70, 19824), (93, 19974), (99, 20025), (102, 20067), (103, 20088),

Gene: Maco6_20 Start: 17113, Stop: 17556, Start Num: 8
Candidate Starts for Maco6_20:
(Start: 8 @17113 has 265 MA's), (37, 17209), (39, 17221), (44, 17242), (51, 17275), (67, 17353), (70, 17389), (74, 17413), (76, 17437),

Gene: Maliketh_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Maliketh_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Malthus_26 Start: 20334, Stop: 20852, Start Num: 6
Candidate Starts for Malthus_26:
(Start: 6 @20334 has 22 MA's), (39, 20418), (52, 20478), (58, 20496), (69, 20568), (74, 20631), (101, 20841),

Gene: Marcoliusprime_20 Start: 16782, Stop: 17246, Start Num: 8
Candidate Starts for Marcoliusprime_20:
(Start: 5 @16737 has 1 MA's), (Start: 8 @16782 has 265 MA's), (34, 16815), (39, 16836), (48, 16878), (52, 16896), (58, 16914), (93, 17154),

Gene: MarkPhew_24 Start: 18066, Stop: 18518, Start Num: 13
Candidate Starts for MarkPhew_24:

(Start: 10 @18054 has 6 MA's), (11, 18057), (Start: 13 @18066 has 1 MA's), (30, 18084), (39, 18126), (56, 18198), (58, 18204), (67, 18258), (69, 18276), (74, 18318), (99, 18489),

Gene: Marmie_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Marmie_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Marshawn_25 Start: 18671, Stop: 19147, Start Num: 8
Candidate Starts for Marshawn_25:
(Start: 5 @18626 has 1 MA's), (Start: 8 @18671 has 265 MA's), (Start: 13 @18686 has 1 MA's), (24, 18695), (30, 18704), (37, 18734), (39, 18746), (45, 18770), (52, 18806), (56, 18818), (58, 18824), (62, 18848), (69, 18896), (74, 18938), (92, 19061), (94, 19070),

Gene: McMater_24 Start: 18280, Stop: 18756, Start Num: 8
Candidate Starts for McMater_24:
(Start: 5 @18235 has 1 MA's), (Start: 8 @18280 has 265 MA's), (11, 18286), (24, 18304), (30, 18313), (32, 18325), (39, 18355), (52, 18415), (58, 18433), (74, 18547),

Gene: Mdavu_20 Start: 18451, Stop: 18927, Start Num: 8
Candidate Starts for Mdavu_20:
(Start: 5 @18406 has 1 MA's), (Start: 8 @18451 has 265 MA's), (11, 18457), (24, 18475), (30, 18484), (39, 18526), (52, 18586), (58, 18604), (67, 18658), (69, 18676), (74, 18718),

Gene: MeaningOfLife_24 Start: 18890, Stop: 19366, Start Num: 8
Candidate Starts for MeaningOfLife_24:
(Start: 8 @18890 has 265 MA's), (30, 18923), (32, 18935), (39, 18965), (52, 19025), (56, 19037), (58, 19043), (67, 19097), (74, 19157),

Gene: Megsy_24 Start: 18891, Stop: 19367, Start Num: 8
Candidate Starts for Megsy_24:
(Start: 8 @18891 has 265 MA's), (30, 18924), (32, 18936), (39, 18966), (52, 19026), (56, 19038), (58, 19044), (67, 19098), (74, 19158),

Gene: Mercurio_21 Start: 19148, Stop: 19627, Start Num: 8
Candidate Starts for Mercurio_21:
(Start: 5 @19106 has 1 MA's), (Start: 8 @19148 has 265 MA's), (28, 19187), (32, 19211), (38, 19244), (43, 19265), (68, 19382), (74, 19421), (83, 19484), (90, 19532), (95, 19550), (99, 19583),

Gene: Milly_20 Start: 16782, Stop: 17246, Start Num: 8
Candidate Starts for Milly_20:
(Start: 5 @16737 has 1 MA's), (Start: 8 @16782 has 265 MA's), (34, 16815), (39, 16836), (48, 16878), (52, 16896), (58, 16914), (93, 17154),

Gene: Miryou_22 Start: 19253, Stop: 19762, Start Num: 8
Candidate Starts for Miryou_22:
(Start: 8 @19253 has 265 MA's), (Start: 13 @19268 has 1 MA's), (39, 19322), (65, 19433), (74, 19535), (84, 19604),

Gene: MissDaisy_25 Start: 20173, Stop: 20691, Start Num: 6
Candidate Starts for MissDaisy_25:
(Start: 6 @20173 has 22 MA's), (39, 20257), (52, 20317), (58, 20335), (69, 20407), (74, 20470), (101, 20680),

Gene: Mitti_25 Start: 20334, Stop: 20852, Start Num: 6
Candidate Starts for Mitti_25:
(Start: 6 @20334 has 22 MA's), (39, 20418), (52, 20478), (58, 20496), (69, 20568), (74, 20631), (101, 20841),

Gene: Mowgli_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Mowgli_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Muddy_22 Start: 18063, Stop: 18506, Start Num: 8
Candidate Starts for Muddy_22:
(Start: 8 @18063 has 265 MA's), (37, 18159), (39, 18171), (44, 18192), (51, 18225), (67, 18303), (70, 18339), (74, 18363),

Gene: Mufasa_20 Start: 16802, Stop: 17266, Start Num: 8
Candidate Starts for Mufasa_20:
(Start: 5 @16757 has 1 MA's), (Start: 8 @16802 has 265 MA's), (34, 16835), (39, 16856), (48, 16898), (52, 16916), (58, 16934), (93, 17174),

Gene: Murucutumbu_24 Start: 18872, Stop: 19348, Start Num: 8
Candidate Starts for Murucutumbu_24:
(Start: 8 @18872 has 265 MA's), (30, 18905), (32, 18917), (37, 18935), (39, 18947), (52, 19007), (56, 19019), (58, 19025), (74, 19139), (84, 19208),

Gene: Mynx_24 Start: 18937, Stop: 19413, Start Num: 8
Candidate Starts for Mynx_24:
(Start: 8 @18937 has 265 MA's), (30, 18970), (32, 18982), (39, 19012), (52, 19072), (56, 19084), (58, 19090), (67, 19144), (74, 19204),

Gene: Nebkiss_20 Start: 17701, Stop: 18210, Start Num: 22
Candidate Starts for Nebkiss_20:
(Start: 22 @17701 has 3 MA's), (34, 17785), (46, 17830), (61, 17890), (77, 18010), (79, 18028), (82, 18043), (88, 18088), (97, 18139),

Gene: Neighly_23 Start: 19168, Stop: 19677, Start Num: 8
Candidate Starts for Neighly_23:
(Start: 8 @19168 has 265 MA's), (Start: 13 @19183 has 1 MA's), (39, 19237), (65, 19348), (74, 19450),

Gene: Neoh_19 Start: 18395, Stop: 18856, Start Num: 8
Candidate Starts for Neoh_19:
(Start: 5 @18350 has 1 MA's), (Start: 8 @18395 has 265 MA's), (43, 18497), (47, 18518), (68, 18614), (74, 18653), (75, 18674),

Gene: Nibb_23 Start: 18198, Stop: 18662, Start Num: 10
Candidate Starts for Nibb_23:
(Start: 10 @18198 has 6 MA's), (11, 18201), (Start: 13 @18210 has 1 MA's), (30, 18228), (39, 18270), (56, 18342), (58, 18348), (67, 18402), (69, 18420), (70, 18438), (74, 18462), (99, 18633),

Gene: Nikao_20 Start: 18463, Stop: 18939, Start Num: 8
Candidate Starts for Nikao_20:

(Start: 5 @18418 has 1 MA's), (Start: 8 @18463 has 265 MA's), (11, 18469), (24, 18487), (30, 18496), (39, 18538), (52, 18598), (58, 18616), (67, 18670), (69, 18688), (74, 18730),

Gene: Niklas_24 Start: 18283, Stop: 18759, Start Num: 8
Candidate Starts for Niklas_24:
(Start: 5 @18238 has 1 MA's), (Start: 8 @18283 has 265 MA's), (11, 18289), (24, 18307), (30, 18316), (32, 18328), (39, 18358), (52, 18418), (58, 18436), (74, 18550),

Gene: NoShow_19 Start: 17335, Stop: 17781, Start Num: 8
Candidate Starts for NoShow_19:
(Start: 5 @17287 has 1 MA's), (Start: 8 @17335 has 265 MA's), (12, 17365), (39, 17443), (41, 17452), (55, 17512), (72, 17632), (73, 17635), (74, 17641), (85, 17713),

Gene: Nolwazi_26 Start: 20335, Stop: 20853, Start Num: 6
Candidate Starts for Nolwazi_26:
(Start: 6 @20335 has 22 MA's), (39, 20419), (52, 20479), (58, 20497), (69, 20569), (74, 20632), (101, 20842),

Gene: November_22 Start: 19238, Stop: 19732, Start Num: 8
Candidate Starts for November_22:
(Start: 8 @19238 has 265 MA's), (Start: 13 @19253 has 1 MA's), (30, 19271), (32, 19283), (37, 19301), (39, 19313), (52, 19373), (55, 19382), (58, 19391), (61, 19406), (69, 19463), (74, 19505), (100, 19700),

Gene: Nutello_20 Start: 18463, Stop: 18939, Start Num: 8
Candidate Starts for Nutello_20:
(Start: 5 @18418 has 1 MA's), (Start: 8 @18463 has 265 MA's), (11, 18469), (24, 18487), (30, 18496), (39, 18538), (52, 18598), (58, 18616), (67, 18670), (69, 18688), (74, 18730),

Gene: OctaviousRex_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for OctaviousRex_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: OkiRoe_22 Start: 19269, Stop: 19778, Start Num: 8
Candidate Starts for OkiRoe_22:
(Start: 8 @19269 has 265 MA's), (Start: 13 @19284 has 1 MA's), (39, 19338), (65, 19449), (74, 19551), (84, 19620),

Gene: Olga_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Olga_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: OmniCritical_25 Start: 20319, Stop: 20837, Start Num: 6
Candidate Starts for OmniCritical_25:
(Start: 6 @20319 has 22 MA's), (39, 20403), (52, 20463), (58, 20481), (69, 20553), (74, 20616), (101, 20826),

Gene: Omnicron_23 Start: 18088, Stop: 18597, Start Num: 8
Candidate Starts for Omnicron_23:
(Start: 8 @18088 has 265 MA's), (Start: 13 @18103 has 1 MA's), (39, 18157), (65, 18268), (69, 18307), (74, 18370),

Gene: Oscar_23 Start: 18158, Stop: 18634, Start Num: 10
Candidate Starts for Oscar_23:
(Start: 10 @18158 has 6 MA's), (11, 18161), (30, 18188), (32, 18200), (39, 18230), (56, 18302), (58, 18308), (67, 18362), (100, 18608),

Gene: P3MA_19 Start: 16255, Stop: 16644, Start Num: 29
Candidate Starts for P3MA_19:
(Start: 29 @16255 has 1 MA's), (50, 16357), (74, 16501), (84, 16567), (89, 16597),

Gene: Pace1224_19 Start: 18575, Stop: 19054, Start Num: 8
Candidate Starts for Pace1224_19:
(2, 18014), (3, 18146), (Start: 8 @18575 has 265 MA's), (38, 18671), (43, 18692), (96, 18989), (100, 19028),

Gene: Padfoot_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Padfoot_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: Padpat_24 Start: 18914, Stop: 19390, Start Num: 8
Candidate Starts for Padpat_24:
(Start: 8 @18914 has 265 MA's), (30, 18947), (32, 18959), (39, 18989), (52, 19049), (56, 19061), (58, 19067), (67, 19121), (74, 19181),

Gene: Paito_19 Start: 18536, Stop: 19066, Start Num: 8
Candidate Starts for Paito_19:
(Start: 8 @18536 has 265 MA's), (43, 18707), (68, 18824), (74, 18863),

Gene: Paola_22 Start: 19268, Stop: 19777, Start Num: 8
Candidate Starts for Paola_22:
(Start: 8 @19268 has 265 MA's), (Start: 13 @19283 has 1 MA's), (39, 19337), (65, 19448), (74, 19550),

Gene: Patt_25 Start: 20152, Stop: 20670, Start Num: 6
Candidate Starts for Patt_25:
(Start: 6 @20152 has 22 MA's), (39, 20236), (52, 20296), (58, 20314), (69, 20386), (74, 20449), (101, 20659),

Gene: Peanam_24 Start: 18280, Stop: 18756, Start Num: 8
Candidate Starts for Peanam_24:
(Start: 5 @18235 has 1 MA's), (Start: 8 @18280 has 265 MA's), (11, 18286), (24, 18304), (30, 18313), (32, 18325), (39, 18355), (52, 18415), (58, 18433), (74, 18547),

Gene: Peeb_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Peeb_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661),

Gene: Peel_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Peel_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: Periodt_19 Start: 18403, Stop: 18864, Start Num: 8

Candidate Starts for Periodt_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Pharb_23 Start: 19190, Stop: 19702, Start Num: 8
Candidate Starts for Pharb_23:
(Start: 5 @19145 has 1 MA's), (Start: 8 @19190 has 265 MA's), (31, 19229), (39, 19265), (50, 19316), (52, 19325), (55, 19334), (58, 19343), (70, 19433), (99, 19631), (102, 19673),

Gene: PhelpsODU_23 Start: 18138, Stop: 18611, Start Num: 8
Candidate Starts for PhelpsODU_23:
(Start: 8 @18138 has 265 MA's), (30, 18171), (32, 18183), (37, 18201), (39, 18213), (58, 18291), (67, 18345), (69, 18363), (74, 18405), (82, 18465),

Gene: Phish_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Phish_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Phloodle_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Phloodle_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Phrank_23 Start: 18092, Stop: 18565, Start Num: 8
Candidate Starts for Phrank_23:
(Start: 8 @18092 has 265 MA's), (30, 18125), (32, 18137), (37, 18155), (39, 18167), (58, 18245), (67, 18299), (69, 18317), (74, 18359),

Gene: Phreak_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Phreak_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Piatt_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Piatt_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: PinkYoshi_19 Start: 18394, Stop: 18855, Start Num: 8
Candidate Starts for PinkYoshi_19:
(Start: 5 @18349 has 1 MA's), (Start: 8 @18394 has 265 MA's), (43, 18496), (47, 18517), (68, 18613), (74, 18652), (75, 18673),

Gene: Pinnie_20 Start: 19082, Stop: 19615, Start Num: 8
Candidate Starts for Pinnie_20:
(Start: 8 @19082 has 265 MA's), (14, 19127), (19, 19157), (68, 19373), (78, 19448), (79, 19457), (100, 19589),

Gene: Pisa1_23 Start: 18992, Stop: 19468, Start Num: 8
Candidate Starts for Pisa1_23:
(Start: 8 @18992 has 265 MA's), (Start: 13 @19007 has 1 MA's), (30, 19025), (32, 19037), (39, 19067), (52, 19127), (58, 19145), (74, 19259),

Gene: Pisa4_23 Start: 19037, Stop: 19468, Start Num: 32
Candidate Starts for Pisa4_23:
(Start: 8 @18992 has 265 MA's), (Start: 13 @19007 has 1 MA's), (30, 19025), (32, 19037), (39, 19067), (52, 19127), (58, 19145), (74, 19259),

Gene: Pixie_23 Start: 19121, Stop: 19633, Start Num: 8
Candidate Starts for Pixie_23:
(Start: 5 @19076 has 1 MA's), (Start: 8 @19121 has 265 MA's), (Start: 29 @19148 has 1 MA's), (31, 19157), (39, 19193), (50, 19244), (52, 19253), (55, 19262), (58, 19271), (70, 19361), (93, 19511), (99, 19562), (103, 19625),

Gene: Plagueis_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Plagueis_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Pokerus_23 Start: 18871, Stop: 19347, Start Num: 8
Candidate Starts for Pokerus_23:
(Start: 8 @18871 has 265 MA's), (30, 18904), (32, 18916), (39, 18946), (52, 19006), (56, 19018), (58, 19024), (67, 19078), (74, 19138),

Gene: Primanti_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Primanti_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Prithvi_24 Start: 18888, Stop: 19364, Start Num: 8
Candidate Starts for Prithvi_24:
(Start: 8 @18888 has 265 MA's), (30, 18921), (32, 18933), (39, 18963), (52, 19023), (56, 19035), (58, 19041), (67, 19095), (74, 19155),

Gene: Psycho_23 Start: 19299, Stop: 19808, Start Num: 8
Candidate Starts for Psycho_23:
(Start: 8 @19299 has 265 MA's), (Start: 13 @19314 has 1 MA's), (39, 19368), (65, 19479), (74, 19581),

Gene: Qhanda_26 Start: 20430, Stop: 20948, Start Num: 6
Candidate Starts for Qhanda_26:
(Start: 6 @20430 has 22 MA's), (39, 20514), (52, 20574), (58, 20592), (69, 20664), (74, 20727), (101, 20937),

Gene: QuincyRose_23 Start: 18934, Stop: 19410, Start Num: 8
Candidate Starts for QuincyRose_23:
(Start: 8 @18934 has 265 MA's), (30, 18967), (32, 18979), (39, 19009), (52, 19069), (56, 19081), (58, 19087), (67, 19141), (74, 19201),

Gene: Rabbs_19 Start: 18411, Stop: 18950, Start Num: 8
Candidate Starts for Rabbs_19:
(Start: 8 @18411 has 265 MA's), (43, 18591), (68, 18708), (74, 18747),

Gene: Ramen_24 Start: 18920, Stop: 19396, Start Num: 8
Candidate Starts for Ramen_24:

(Start: 8 @18920 has 265 MA's), (30, 18953), (32, 18965), (39, 18995), (52, 19055), (56, 19067), (58, 19073), (67, 19127), (74, 19187),

Gene: Rando14_23 Start: 17987, Stop: 18496, Start Num: 8
Candidate Starts for Rando14_23:
(Start: 8 @17987 has 265 MA's), (Start: 13 @18002 has 1 MA's), (39, 18056), (65, 18167), (69, 18206), (74, 18269), (84, 18338),

Gene: Rapunzel97_24 Start: 18921, Stop: 19397, Start Num: 8
Candidate Starts for Rapunzel97_24:
(Start: 8 @18921 has 265 MA's), (30, 18954), (32, 18966), (39, 18996), (52, 19056), (56, 19068), (58, 19074), (67, 19128), (74, 19188),

Gene: Rattrick_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Rattrick_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Remy19_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Remy19_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Renaissance_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Renaissance_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Reptar3000_25 Start: 20151, Stop: 20666, Start Num: 6
Candidate Starts for Reptar3000_25:
(Start: 6 @20151 has 22 MA's), (12, 20178), (Start: 13 @20181 has 1 MA's), (39, 20235), (44, 20256), (58, 20313), (69, 20385), (74, 20448),

Gene: Richarlison_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Richarlison_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Richo_24 Start: 18280, Stop: 18756, Start Num: 8
Candidate Starts for Richo_24:
(Start: 5 @18235 has 1 MA's), (Start: 8 @18280 has 265 MA's), (11, 18286), (24, 18304), (30, 18313), (32, 18325), (39, 18355), (52, 18415), (58, 18433), (74, 18547),

Gene: Rosmarinus_24 Start: 18942, Stop: 19418, Start Num: 8
Candidate Starts for Rosmarinus_24:
(Start: 8 @18942 has 265 MA's), (30, 18975), (32, 18987), (39, 19017), (52, 19077), (56, 19089), (58, 19095), (67, 19149), (74, 19209),

Gene: Ruriko_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Ruriko_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Ruthiejr_24 Start: 20042, Stop: 20560, Start Num: 6
Candidate Starts for Ruthiejr_24:
(Start: 6 @20042 has 22 MA's), (39, 20126), (52, 20186), (58, 20204), (69, 20276), (74, 20339), (101, 20549),

Gene: Salvus_23 Start: 18156, Stop: 18599, Start Num: 8
Candidate Starts for Salvus_23:
(Start: 8 @18156 has 265 MA's), (37, 18252), (39, 18264), (44, 18285), (51, 18318), (67, 18396), (70, 18432), (74, 18456), (76, 18480),

Gene: SamScheppers_23 Start: 19949, Stop: 20467, Start Num: 6
Candidate Starts for SamScheppers_23:
(Start: 6 @19949 has 22 MA's), (39, 20033), (52, 20093), (58, 20111), (69, 20183), (74, 20246), (101, 20456),

Gene: SamuelLPlaqson_24 Start: 18868, Stop: 19344, Start Num: 8
Candidate Starts for SamuelLPlaqson_24:
(Start: 8 @18868 has 265 MA's), (Start: 13 @18883 has 1 MA's), (30, 18901), (32, 18913), (37, 18931), (52, 19003), (56, 19015), (58, 19021), (61, 19036), (62, 19045), (67, 19075), (70, 19111), (74, 19135),

Gene: Scarlett_23 Start: 18160, Stop: 18636, Start Num: 10
Candidate Starts for Scarlett_23:
(Start: 10 @18160 has 6 MA's), (11, 18163), (30, 18190), (32, 18202), (39, 18232), (56, 18304), (58, 18310), (67, 18364), (100, 18610),

Gene: Schiebel_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Schiebel_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: SgtBeansprout_20 Start: 18463, Stop: 18939, Start Num: 8
Candidate Starts for SgtBeansprout_20:
(Start: 5 @18418 has 1 MA's), (Start: 8 @18463 has 265 MA's), (11, 18469), (24, 18487), (30, 18496), (39, 18538), (52, 18598), (58, 18616), (67, 18670), (69, 18688), (74, 18730),

Gene: ShaboiShabazz_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for ShaboiShabazz_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Shadow1_22 Start: 17980, Stop: 18462, Start Num: 8
Candidate Starts for Shadow1_22:
(Start: 8 @17980 has 265 MA's), (11, 17986), (30, 18013), (32, 18025), (39, 18055), (58, 18133), (69, 18205), (74, 18247),

Gene: Shaobing_24 Start: 18280, Stop: 18756, Start Num: 8
Candidate Starts for Shaobing_24:
(Start: 5 @18235 has 1 MA's), (Start: 8 @18280 has 265 MA's), (11, 18286), (24, 18304), (30, 18313), (32, 18325), (39, 18355), (52, 18415), (58, 18433), (74, 18547),

Gene: ShedlockHolmes_23 Start: 19339, Stop: 19842, Start Num: 8
Candidate Starts for ShedlockHolmes_23:

(Start: 5 @19294 has 1 MA's), (Start: 8 @19339 has 265 MA's), (Start: 29 @19357 has 1 MA's), (31, 19366), (39, 19402), (50, 19453), (52, 19462), (55, 19471), (58, 19480), (70, 19570), (93, 19720), (99, 19771),

Gene: ShiaSurprise_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for ShiaSurprise_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: SirPhilip_23 Start: 17768, Stop: 18241, Start Num: 8
Candidate Starts for SirPhilip_23:
(Start: 8 @17768 has 265 MA's), (Start: 13 @17783 has 1 MA's), (30, 17801), (32, 17813), (39, 17843), (43, 17861), (44, 17864), (56, 17915), (58, 17921), (67, 17975), (69, 17993), (74, 18035),

Gene: Sizemore_19 Start: 18404, Stop: 18865, Start Num: 8
Candidate Starts for Sizemore_19:
(Start: 5 @18359 has 1 MA's), (Start: 8 @18404 has 265 MA's), (43, 18506), (47, 18527), (68, 18623), (74, 18662), (75, 18683),

Gene: Slarp_25 Start: 20421, Stop: 20939, Start Num: 6
Candidate Starts for Slarp_25:
(Start: 6 @20421 has 22 MA's), (39, 20505), (52, 20565), (58, 20583), (69, 20655), (74, 20718), (101, 20928),

Gene: Slimphazie_24 Start: 18921, Stop: 19397, Start Num: 8
Candidate Starts for Slimphazie_24:
(Start: 8 @18921 has 265 MA's), (30, 18954), (32, 18966), (39, 18996), (52, 19056), (56, 19068), (58, 19074), (67, 19128), (74, 19188),

Gene: Sneeze_19 Start: 18410, Stop: 18949, Start Num: 8
Candidate Starts for Sneeze_19:
(Start: 8 @18410 has 265 MA's), (43, 18590), (68, 18707), (74, 18746),

Gene: SoSeph_22 Start: 19416, Stop: 19925, Start Num: 8
Candidate Starts for SoSeph_22:
(Start: 8 @19416 has 265 MA's), (Start: 13 @19431 has 1 MA's), (39, 19485), (65, 19596), (74, 19698),

Gene: Spock_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Spock_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: Stargaze_19 Start: 18702, Stop: 19301, Start Num: 8
Candidate Starts for Stargaze_19:
(Start: 8 @18702 has 265 MA's), (14, 18744), (16, 18771), (18, 18780), (44, 18945), (58, 19002), (64, 19029), (83, 19161), (100, 19275),

Gene: Stellammi_18 Start: 16866, Stop: 17369, Start Num: 22
Candidate Starts for Stellammi_18:
(Start: 22 @16866 has 3 MA's), (34, 16947), (46, 16992), (55, 17028), (61, 17052), (72, 17136), (74, 17145), (78, 17181), (79, 17190), (80, 17196), (82, 17205), (88, 17250),

Gene: Stinson_24 Start: 18887, Stop: 19363, Start Num: 8

Candidate Starts for Stinson_24:
(Start: 8 @18887 has 265 MA's), (30, 18920), (32, 18932), (37, 18950), (39, 18962), (52, 19022), (55, 19031), (56, 19034), (58, 19040), (61, 19055), (74, 19154),

Gene: Strobilo_20 Start: 16785, Stop: 17249, Start Num: 8
Candidate Starts for Strobilo_20:
(Start: 5 @16740 has 1 MA's), (Start: 8 @16785 has 265 MA's), (34, 16818), (39, 16839), (48, 16881), (52, 16899), (58, 16917), (93, 17157),

Gene: Sulley_24 Start: 18887, Stop: 19363, Start Num: 8
Candidate Starts for Sulley_24:
(Start: 8 @18887 has 265 MA's), (30, 18920), (32, 18932), (39, 18962), (52, 19022), (56, 19034), (58, 19040), (67, 19094), (74, 19154), (84, 19223),

Gene: Sunflower1121_22 Start: 17992, Stop: 18474, Start Num: 8
Candidate Starts for Sunflower1121_22:
(Start: 8 @17992 has 265 MA's), (11, 17998), (30, 18025), (32, 18037), (39, 18067), (58, 18145), (69, 18217), (74, 18259), (84, 18328),

Gene: Sweets_19 Start: 18398, Stop: 18859, Start Num: 8
Candidate Starts for Sweets_19:
(Start: 5 @18353 has 1 MA's), (Start: 8 @18398 has 265 MA's), (43, 18500), (47, 18521), (68, 18617), (74, 18656), (75, 18677),

Gene: Syra333_23 Start: 18087, Stop: 18569, Start Num: 8
Candidate Starts for Syra333_23:
(Start: 8 @18087 has 265 MA's), (11, 18093), (30, 18120), (32, 18132), (39, 18162), (58, 18240), (69, 18312), (74, 18354),

Gene: TBond007_23 Start: 19120, Stop: 19632, Start Num: 8
Candidate Starts for TBond007_23:
(Start: 5 @19075 has 1 MA's), (Start: 8 @19120 has 265 MA's), (Start: 29 @19147 has 1 MA's), (31, 19156), (39, 19192), (50, 19243), (52, 19252), (55, 19261), (58, 19270), (70, 19360), (93, 19510), (99, 19561), (103, 19624),

Gene: TClif_23 Start: 18120, Stop: 18590, Start Num: 8
Candidate Starts for TClif_23:
(Start: 8 @18120 has 265 MA's), (30, 18153), (32, 18165), (39, 18195), (52, 18255), (56, 18267), (58, 18273), (61, 18288), (67, 18327), (74, 18387),

Gene: TM4_20 Start: 16851, Stop: 17315, Start Num: 8
Candidate Starts for TM4_20:
(Start: 5 @16806 has 1 MA's), (Start: 8 @16851 has 265 MA's), (34, 16884), (39, 16905), (48, 16947), (58, 16983), (87, 17193), (93, 17223),

Gene: TPA4_21 Start: 19719, Stop: 20168, Start Num: 23
Candidate Starts for TPA4_21:
(23, 19719), (52, 19875), (57, 19893), (71, 19989), (74, 20010), (81, 20070),

Gene: Tachez_24 Start: 18883, Stop: 19359, Start Num: 8
Candidate Starts for Tachez_24:
(Start: 8 @18883 has 265 MA's), (30, 18916), (32, 18928), (39, 18958), (52, 19018), (56, 19030), (58, 19036), (67, 19090), (74, 19150),

Gene: Taheera_19 Start: 18420, Stop: 18959, Start Num: 8
Candidate Starts for Taheera_19:
(Start: 8 @18420 has 265 MA's), (43, 18600), (68, 18717), (74, 18756),

Gene: TaiwanKao_25 Start: 18894, Stop: 19370, Start Num: 8
Candidate Starts for TaiwanKao_25:
(Start: 8 @18894 has 265 MA's), (30, 18927), (32, 18939), (39, 18969), (52, 19029), (56, 19041), (58, 19047), (67, 19101), (74, 19161),

Gene: Taquito_23 Start: 20030, Stop: 20548, Start Num: 6
Candidate Starts for Taquito_23:
(Start: 6 @20030 has 22 MA's), (39, 20114), (52, 20174), (58, 20192), (69, 20264), (74, 20327), (101, 20537),

Gene: Teejan_20 Start: 18463, Stop: 18939, Start Num: 8
Candidate Starts for Teejan_20:
(Start: 5 @18418 has 1 MA's), (Start: 8 @18463 has 265 MA's), (11, 18469), (24, 18487), (30, 18496), (39, 18538), (52, 18598), (58, 18616), (67, 18670), (69, 18688), (74, 18730),

Gene: Terralys_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Terralys_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Terror_19 Start: 18420, Stop: 18959, Start Num: 8
Candidate Starts for Terror_19:
(Start: 8 @18420 has 265 MA's), (43, 18600), (68, 18717), (74, 18756),

Gene: Thyatira_22 Start: 19268, Stop: 19777, Start Num: 8
Candidate Starts for Thyatira_22:
(Start: 8 @19268 has 265 MA's), (Start: 13 @19283 has 1 MA's), (39, 19337), (65, 19448), (74, 19550),

Gene: Tierra_23 Start: 18813, Stop: 19286, Start Num: 8
Candidate Starts for Tierra_23:
(Start: 8 @18813 has 265 MA's), (30, 18846), (32, 18858), (37, 18876), (39, 18888), (58, 18966), (67, 19020), (69, 19038), (74, 19080),

Gene: Tigress9_23 Start: 18075, Stop: 18557, Start Num: 8
Candidate Starts for Tigress9_23:
(Start: 8 @18075 has 265 MA's), (11, 18081), (30, 18108), (32, 18120), (39, 18150), (58, 18228), (69, 18300), (74, 18342),

Gene: TinaBug_19 Start: 18398, Stop: 18859, Start Num: 8
Candidate Starts for TinaBug_19:
(Start: 5 @18353 has 1 MA's), (Start: 8 @18398 has 265 MA's), (43, 18500), (47, 18521), (68, 18617), (74, 18656), (75, 18677),

Gene: TingHuaYa_24 Start: 18220, Stop: 18696, Start Num: 8
Candidate Starts for TingHuaYa_24:
(Start: 8 @18220 has 265 MA's), (Start: 13 @18235 has 1 MA's), (30, 18253), (32, 18265), (39, 18295), (45, 18319), (52, 18355), (56, 18367), (58, 18373), (67, 18427), (74, 18487),

Gene: TiniBug_24 Start: 18865, Stop: 19341, Start Num: 8
Candidate Starts for TiniBug_24:
(Start: 8 @18865 has 265 MA's), (Start: 13 @18880 has 1 MA's), (30, 18898), (32, 18910), (37, 18928), (52, 19000), (56, 19012), (58, 19018), (62, 19042), (67, 19072), (70, 19108), (74, 19132),

Gene: Tiri_24 Start: 18926, Stop: 19402, Start Num: 8
Candidate Starts for Tiri_24:
(Start: 8 @18926 has 265 MA's), (30, 18959), (32, 18971), (39, 19001), (52, 19061), (56, 19073), (58, 19079), (67, 19133), (74, 19193),

Gene: TomBrady_19 Start: 18404, Stop: 18865, Start Num: 8
Candidate Starts for TomBrady_19:
(Start: 5 @18359 has 1 MA's), (Start: 8 @18404 has 265 MA's), (43, 18506), (47, 18527), (68, 18623), (74, 18662), (75, 18683),

Gene: Topper_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Topper_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: Torres_20 Start: 18463, Stop: 18939, Start Num: 8
Candidate Starts for Torres_20:
(Start: 5 @18418 has 1 MA's), (Start: 8 @18463 has 265 MA's), (11, 18469), (24, 18487), (30, 18496), (39, 18538), (52, 18598), (58, 18616), (67, 18670), (69, 18688), (74, 18730),

Gene: TreyKay_24 Start: 18888, Stop: 19364, Start Num: 8
Candidate Starts for TreyKay_24:
(Start: 8 @18888 has 265 MA's), (30, 18921), (32, 18933), (39, 18963), (52, 19023), (56, 19035), (58, 19041), (67, 19095), (74, 19155),

Gene: TribleTrouble_22 Start: 19166, Stop: 19669, Start Num: 8
Candidate Starts for TribleTrouble_22:
(Start: 5 @19121 has 1 MA's), (Start: 8 @19166 has 265 MA's), (Start: 29 @19184 has 1 MA's), (31, 19193), (39, 19229), (50, 19280), (52, 19289), (55, 19298), (58, 19307), (70, 19397), (93, 19547), (102, 19640), (103, 19661),

Gene: Trice_20 Start: 18463, Stop: 18939, Start Num: 8
Candidate Starts for Trice_20:
(Start: 5 @18418 has 1 MA's), (Start: 8 @18463 has 265 MA's), (11, 18469), (24, 18487), (30, 18496), (39, 18538), (52, 18598), (58, 18616), (67, 18670), (69, 18688), (74, 18730),

Gene: TruffulaTree_24 Start: 18917, Stop: 19393, Start Num: 8
Candidate Starts for TruffulaTree_24:
(Start: 8 @18917 has 265 MA's), (30, 18950), (32, 18962), (39, 18992), (52, 19052), (56, 19064), (58, 19070), (67, 19124), (74, 19184),

Gene: Twitch_24 Start: 18954, Stop: 19430, Start Num: 8
Candidate Starts for Twitch_24:
(Start: 8 @18954 has 265 MA's), (30, 18987), (32, 18999), (39, 19029), (52, 19089), (56, 19101), (58, 19107), (67, 19161), (74, 19221),

Gene: Typha_25 Start: 21443, Stop: 21985, Start Num: 15
Candidate Starts for Typha_25:

(Start: 15 @21443 has 6 MA's), (17, 21458), (26, 21524), (35, 21581), (40, 21605), (42, 21614), (43, 21620), (44, 21623), (49, 21650), (54, 21671), (63, 21707), (67, 21740), (69, 21758), (86, 21878), (94, 21920),

Gene: Unicorn_23 Start: 18138, Stop: 18611, Start Num: 8
Candidate Starts for Unicorn_23:
(Start: 8 @18138 has 265 MA's), (30, 18171), (32, 18183), (37, 18201), (39, 18213), (58, 18291), (67, 18345), (69, 18363), (74, 18405), (82, 18465),

Gene: Urkel_24 Start: 18868, Stop: 19344, Start Num: 8
Candidate Starts for Urkel_24:
(Start: 8 @18868 has 265 MA's), (Start: 13 @18883 has 1 MA's), (30, 18901), (32, 18913), (37, 18931), (52, 19003), (56, 19015), (58, 19021), (61, 19036), (62, 19045), (67, 19075), (70, 19111), (74, 19135),

Gene: Validus_24 Start: 18214, Stop: 18687, Start Num: 8
Candidate Starts for Validus_24:
(Start: 5 @18169 has 1 MA's), (Start: 8 @18214 has 265 MA's), (11, 18220), (24, 18238), (30, 18247), (32, 18259), (39, 18289), (52, 18349), (58, 18367), (66, 18403), (74, 18481), (88, 18586),

Gene: Veliki_24 Start: 18957, Stop: 19433, Start Num: 8
Candidate Starts for Veliki_24:
(Start: 8 @18957 has 265 MA's), (30, 18990), (32, 19002), (39, 19032), (52, 19092), (56, 19104), (58, 19110), (67, 19164), (74, 19224),

Gene: ViviJ_21 Start: 19125, Stop: 19634, Start Num: 8
Candidate Starts for ViviJ_21:
(Start: 8 @19125 has 265 MA's), (Start: 13 @19140 has 1 MA's), (39, 19194), (65, 19305), (74, 19407), (84, 19476),

Gene: Waterfoul_22 Start: 19289, Stop: 19798, Start Num: 8
Candidate Starts for Waterfoul_22:
(Start: 8 @19289 has 265 MA's), (Start: 13 @19304 has 1 MA's), (39, 19358), (65, 19469), (74, 19571),

Gene: Wendigo_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Wendigo_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: Wintermute_25 Start: 20410, Stop: 20928, Start Num: 6
Candidate Starts for Wintermute_25:
(Start: 6 @20410 has 22 MA's), (39, 20494), (52, 20554), (58, 20572), (69, 20644), (74, 20707), (101, 20917),

Gene: Ximenita_24 Start: 18265, Stop: 18747, Start Num: 8
Candidate Starts for Ximenita_24:
(Start: 8 @18265 has 265 MA's), (11, 18271), (30, 18298), (32, 18310), (39, 18340), (58, 18418), (69, 18490), (74, 18532), (84, 18601), (96, 18694),

Gene: Y10_25 Start: 20410, Stop: 20928, Start Num: 6
Candidate Starts for Y10_25:
(Start: 6 @20410 has 22 MA's), (39, 20494), (52, 20554), (58, 20572), (69, 20644), (74, 20707), (101, 20917),

Gene: Y2_25 Start: 20410, Stop: 20928, Start Num: 6
Candidate Starts for Y2_25:
(Start: 6 @20410 has 22 MA's), (39, 20494), (52, 20554), (58, 20572), (69, 20644), (74, 20707), (101, 20917),

Gene: YangYin_19 Start: 18726, Stop: 19325, Start Num: 8
Candidate Starts for YangYin_19:
(Start: 8 @18726 has 265 MA's), (14, 18768), (16, 18795), (18, 18804), (44, 18969), (58, 19026), (64, 19053), (83, 19185), (100, 19299),

Gene: YasnayaPolyana_25 Start: 20411, Stop: 20929, Start Num: 6
Candidate Starts for YasnayaPolyana_25:
(Start: 6 @20411 has 22 MA's), (39, 20495), (52, 20555), (58, 20573), (69, 20645), (74, 20708), (101, 20918),

Gene: YoureAdopted_23 Start: 18890, Stop: 19366, Start Num: 8
Candidate Starts for YoureAdopted_23:
(Start: 8 @18890 has 265 MA's), (30, 18923), (32, 18935), (39, 18965), (52, 19025), (56, 19037), (58, 19043), (67, 19097), (74, 19157),

Gene: Yuna_25 Start: 18808, Stop: 19326, Start Num: 8
Candidate Starts for Yuna_25:
(Start: 8 @18808 has 265 MA's), (30, 18841), (32, 18853), (39, 18883), (56, 18955), (58, 18961), (74, 19075), (84, 19144), (98, 19240),

Gene: Yunkel11_24 Start: 18146, Stop: 18616, Start Num: 8
Candidate Starts for Yunkel11_24:
(Start: 8 @18146 has 265 MA's), (Start: 13 @18161 has 1 MA's), (30, 18179), (32, 18191), (39, 18221), (52, 18281), (58, 18299), (67, 18353), (74, 18413),

Gene: Zabiza_24 Start: 18921, Stop: 19397, Start Num: 8
Candidate Starts for Zabiza_24:
(Start: 8 @18921 has 265 MA's), (30, 18954), (32, 18966), (39, 18996), (52, 19056), (56, 19068), (58, 19074), (67, 19128), (74, 19188),

Gene: Zavala_24 Start: 18895, Stop: 19371, Start Num: 8
Candidate Starts for Zavala_24:
(Start: 8 @18895 has 265 MA's), (30, 18928), (32, 18940), (39, 18970), (52, 19030), (56, 19042), (58, 19048), (67, 19102), (74, 19162),

Gene: ZoMa_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for ZoMa_19:
(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),

Gene: ZoeJ_20 Start: 16723, Stop: 17187, Start Num: 8
Candidate Starts for ZoeJ_20:
(Start: 5 @16678 has 1 MA's), (Start: 8 @16723 has 265 MA's), (34, 16756), (39, 16777), (48, 16819), (52, 16837), (58, 16855), (93, 17095),

Gene: Zombie_19 Start: 18403, Stop: 18864, Start Num: 8
Candidate Starts for Zombie_19:

(Start: 5 @18358 has 1 MA's), (Start: 8 @18403 has 265 MA's), (43, 18505), (47, 18526), (68, 18622), (74, 18661), (75, 18682),