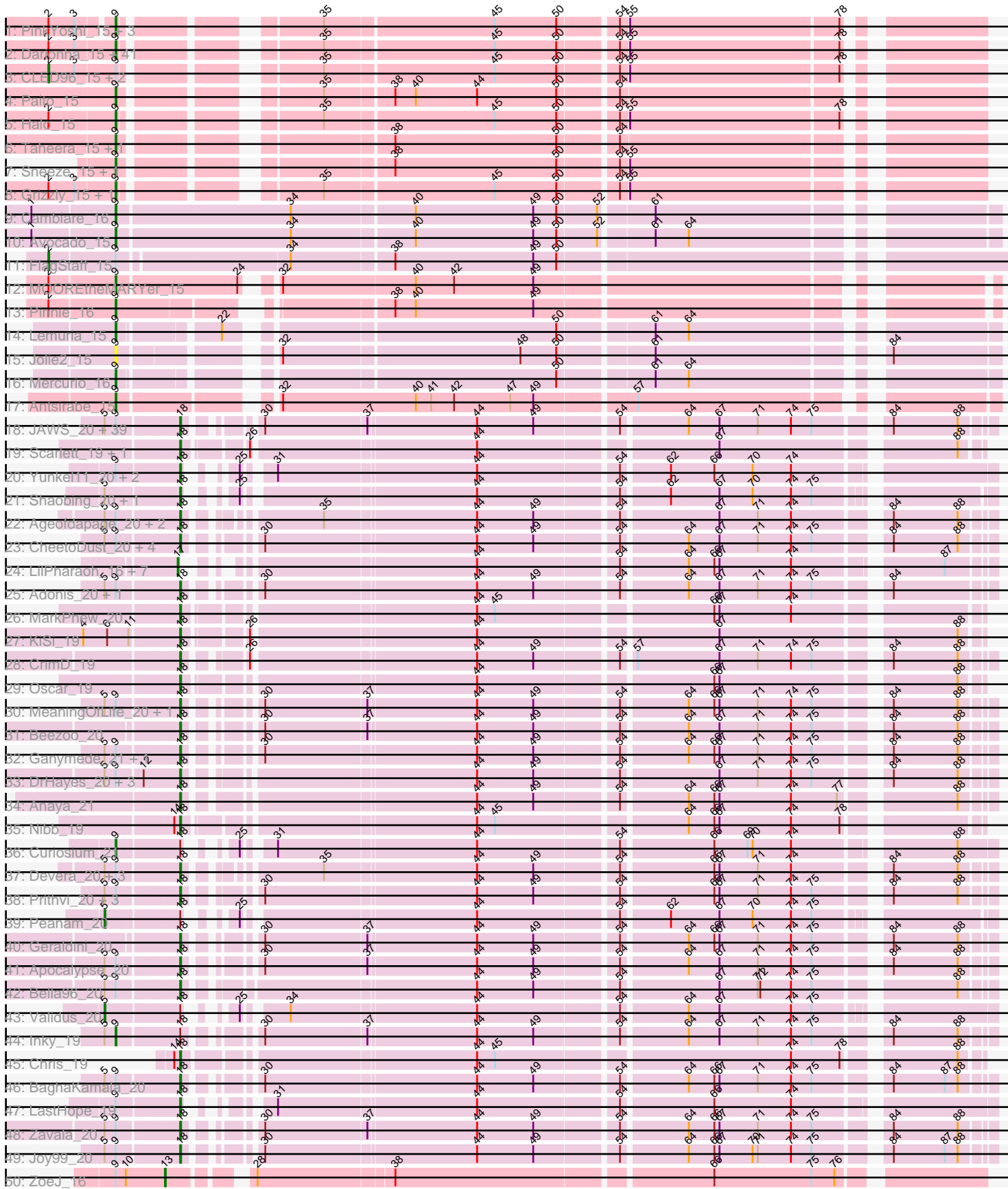
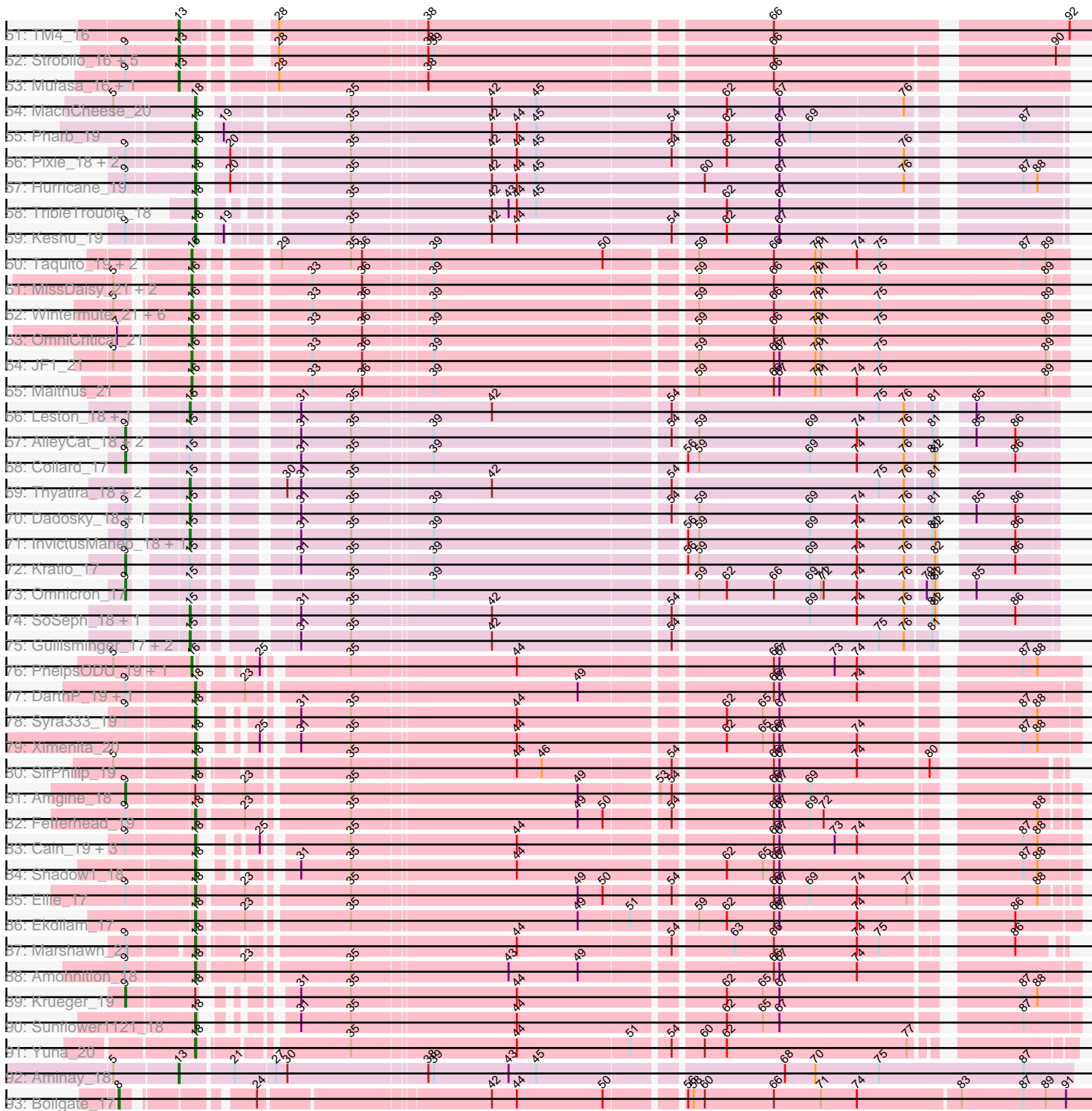


Pham 167967



Pham 167967



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 167967 Report

This analysis was run 07/09/24 on database version 566.

Pham number 167967 has 243 members, 1 are drafts.

Phages represented in each track:

- Track 1 : PinkYoshi_15, Coleslaw_15, BQuat_15, Annihilator_15
- Track 2 : Darionha_15, Crespo_15, Frosty24_15, Gomashi_14, LouisV14_15, Jolene_15, ShaboiShabazz_15, Jane_15, CassieYates_15, Angel_15, TomBrady_15, OctaviousRex_14, DMoney_15, Kasen3_15, Sweets_15, Avrafan_15, Peeb_15, Gideon_15, Periodt_15, Cherrybomb426_15, Mowgli_15, Jonghyun_15, Schiebel_15, Plagueis_15, Olga_15, Aroostook_15, Sizemore_15, Barkley26_15, Zombie_15, Hope_14, Hotshotbaby7_15, Kareem_15, Chance64_14, BruceB_15, Marmie_15, Camri_15, Cedasite_15, Renaissance_15, JorRay_15, Phreak_15, Phish_15, BPs_15
- Track 3 : CLED96_15, Remy19_15, GoldenAsh_15
- Track 4 : Paito_15
- Track 5 : Halo_15
- Track 6 : Taheera_15, Terror_15
- Track 7 : Sneeze_15, Rabbs_15
- Track 8 : Grizzly_15, Liefie_15
- Track 9 : Cambiare_16
- Track 10 : Avocado_15
- Track 11 : FlagStaff_15
- Track 12 : MOOREtheMARYer_15
- Track 13 : Pinnie_16
- Track 14 : Lemuria_15
- Track 15 : Jolie2_15
- Track 16 : Mercurio_16
- Track 17 : Antsirabe_15
- Track 18 : JAWS_20, Padpat_20, BarrelRoll_20, Capricorn_20, Blizzard_20, BEEST_20, Belladonna_20, Lunahalos_20, Adephagia_20, Tachez_20, HedwigODU_20, YoureAdopted_19, Homura_20, Spock_20, Twitch_20, Durfee_20, ShiaSurprise_20, Emerson_19, Rosmarinus_20, Rapunzel97_20, Ramen_20, CREW_20, CaseJules_20, Asayake_20, Jarvi_20, TruffulaTree_20, BGlluviae_20, Peel_20, Piatt_20, Padfoot_20, Dalmuri_20, Boiiii_20, Topper_20, Hyperbowlee_20, Jeckyll_20, Atiba_20, AlishaPH_20, ActinUp_20, Veliki_20, Slimphazie_20
- Track 19 : Scarlett_19, LeMond_19
- Track 20 : Yunkel11_20, Efra2_20, Guanica15_20
- Track 21 : Shaobing_20, Niklas_20
- Track 22 : Ageofdapage_20, Murucutumbu_20, LaterM_20
- Track 23 : CheetoDust_20, Angelica_20, Sulley_20, Deby_20, Pokerus_19

- Track 24 : LilPharaoh_16, Mdavu_16, Nikao_16, Binglebops_16, Nutello_16, Amelie_16, SgtBeansprout_16, Enkosi_16
- Track 25 : Adonis_20, Tiri_20
- Track 26 : MarkPhew_20
- Track 27 : KiSi_19
- Track 28 : CrimD_19
- Track 29 : Oscar_19
- Track 30 : MeaningOfLife_20, Mynx_20
- Track 31 : Beezoo_20
- Track 32 : Ganymede_21, QuincyRose_19
- Track 33 : DrHayes_20, SamuelLPlaason_20, TiniBug_20, Urkel_20
- Track 34 : Anaya_21
- Track 35 : Nibb_19
- Track 36 : Curiosium_21
- Track 37 : Devera_20, Illumine_20, Dole_20, Stinson_20
- Track 38 : Prithvi_20, Megsy_20, LindNT_20, TreyKay_20
- Track 39 : Peanam_20
- Track 40 : Geraldini_20
- Track 41 : Apocalypse_20
- Track 42 : Bella96_20
- Track 43 : Validus_20
- Track 44 : Inky_19
- Track 45 : Chris_19
- Track 46 : BaghaKamala_20
- Track 47 : LastHope_19
- Track 48 : Zavala_20
- Track 49 : Joy99_20
- Track 50 : ZoeJ_16
- Track 51 : TM4_16
- Track 52 : Strobilo_16, Milly_16, DismalFunk_15, Marcoliusprime_16, Findley_16, DismalStressor_16
- Track 53 : Mufasa_16, BoostSeason_16
- Track 54 : MacnCheese_20
- Track 55 : Pharb_19
- Track 56 : Pixie_18, ShedlockHolmes_19, TBond007_19
- Track 57 : Hurricane_19
- Track 58 : TribbleTrouble_18
- Track 59 : Keshu_19
- Track 60 : Taquito_19, Juliette_21, Eponine_21
- Track 61 : MissDaisy_21, Patt_20, Reptar3000_21
- Track 62 : Wintermute_21, Mitti_21, Chancellor_21, Fionnbharth_21, Cheetobro_21, SamScheppers_19, Slarp_20
- Track 63 : OmniCritical_21
- Track 64 : JF1_21
- Track 65 : Malthus_21
- Track 66 : Leston_18, OkiRoe_18
- Track 67 : AlleyCat_18, Psycho_18, Larva_18
- Track 68 : Collard_17
- Track 69 : Thyatira_18, Waterfoul_18, Feyre_18
- Track 70 : Dadosky_18, Edugator_16
- Track 71 : InvictusManeo_18, Agent47_18
- Track 72 : Kratio_17
- Track 73 : Omnicron_17

- Track 74 : SoSeph_18, Heftyboy_18
- Track 75 : Guillsminger_17, Gengar_18, Paola_18
- Track 76 : PhelpsODU_19, Unicorn_19
- Track 77 : DarthP_19, Hammy_19
- Track 78 : Syra333_19
- Track 79 : Ximenita_20
- Track 80 : SirPhilip_19
- Track 81 : Amgine_18
- Track 82 : Fefferhead_19
- Track 83 : Cain_19, Phrank_19, Bryler_19, Tierra_19
- Track 84 : Shadow1_18
- Track 85 : Ellie_17
- Track 86 : Ekdilam_17
- Track 87 : Marshawn_21
- Track 88 : Amohnition_18
- Track 89 : Krueger_19
- Track 90 : Sunflower1121_18
- Track 91 : Yuna_20
- Track 92 : Aminay_18
- Track 93 : Boilgate_17

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

The start number called the most often in the published annotations is 18, it was called in 113 of the 242 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ActinUp_20, Adephegia_20, Adonis_20, Ageofdapage_20, AlishaPH_20, Amohnition_18, Anaya_21, Angelica_20, Apocalypse_20, Asayake_20, Atiba_20, BEEST_20, BGlluviae_20, BaghaKamala_20, BarrelRoll_20, Beezoo_20, Bella96_20, Belladonna_20, Blizzard_20, Boiiii_20, Bryler_19, CREW_20, Cain_19, Capricorn_20, CaseJules_20, CheetoDust_20, Chris_19, CrimD_19, Dalmuri_20, DarthP_19, Deby_20, Devera_20, Dole_20, DrHayes_20, Durfee_20, Efra2_20, Ekdilam_17, Ellie_17, Emerson_19, Fefferhead_19, Ganymede_21, Geraldini_20, Guanica15_20, Hammy_19, HedwigODU_20, Homura_20, Hurricane_19, Hyperbowlee_20, Illumine_20, JAWS_20, Jarvi_20, Jeckyll_20, Joy99_20, Keshu_19, KiSi_19, LastHope_19, LaterM_20, LeMond_19, LindNT_20, Lunahalos_20, MacnCheese_20, MarkPhew_20, Marshawn_21, MeaningOfLife_20, Megsy_20, Murucutumbu_20, Mynx_20, Nibb_19, Niklas_20, Oscar_19, Padfoot_20, Padpat_20, Peel_20, Pharb_19, Phrank_19, Piatt_20, Pixie_18, Pokerus_19, Prithvi_20, QuincyRose_19, Ramen_20, Rapunzel97_20, Rosmarinus_20, SamuelLPlaqson_20, Scarlett_19, Shadow1_18, Shaobing_20, ShedlockHolmes_19, ShiaSurprise_20, SirPhilip_19, Slimphazie_20, Spock_20, Stinson_20, Sulley_20, Sunflower1121_18, Syra333_19, TBond007_19, Tachez_20, Tierra_19, TiniBug_20, Tiri_20, Topper_20, TreyKay_20, TripleTrouble_18, TruffulaTree_20, Twitch_20, Urkel_20, Veliki_20, Ximenita_20, YoureAdopted_19, Yuna_20, Yunkel11_20, Zavala_20,

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

- Amgine_18, Curiosium_21, Inky_19, Krueger_19, Peanam_20, Validus_20,

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

- Agent47_18, AlleyCat_18, Amelie_16, Aminay_18, Angel_15, Annihilator_15, Antsirabe_15, Aroostook_15, Avocado_15, Avrafan_15, BPs_15, BQuat_15, Barkley26_15, Binglebops_16, Boilgate_17, BoostSeason_16, BruceB_15, CLED96_15, Cambiare_16, Camri_15, CassieYates_15, Cedasite_15, Chance64_14, Chancellor_21, Cheetobro_21, Cherrybomb426_15, Coleslaw_15, Collard_17, Crespo_15, DMoney_15, Dadosky_18, Darionha_15, DismalFunk_15, DismalStressor_16, Edugator_16, Enkosi_16, Eponine_21, Feyre_18, Findley_16, Fionnbharth_21, FlagStaff_15, Frosty24_15, Gengar_18, Gideon_15, GoldenAsh_15, Gomashi_14, Grizzly_15, Guillsminger_17, Halo_15, Heftyboy_18, Hope_14, Hotshotbaby7_15, InvictusManeo_18, JF1_21, Jane_15, Jolene_15, Jolie2_15, Jonghyun_15, JorRay_15, Juliette_21, Kareem_15, Kasen3_15, Kratio_17, Larva_18, Lemuria_15, Leston_18, Liefie_15, LilPharaoh_16, LouisV14_15, MOOREtheMARYer_15, Malthus_21, Marcoliusprime_16, Marmie_15, Mdavu_16, Mercurio_16, Milly_16, MissDaisy_21, Mitti_21, Mowgli_15, Mufasa_16, Nikao_16, Nutello_16, OctaviousRex_14, OkiRoe_18, Olga_15, OmniCritical_21, Omnicron_17, Paito_15, Paola_18, Patt_20, Peeb_15, Periodt_15, PhelpsODU_19, Phish_15, Phreak_15, PinkYoshi_15, Pinnie_16, Plagueis_15, Psycho_18, Rabbs_15, Remy19_15, Renaissance_15, Reptar3000_21, SamScheppers_19, Schiebel_15, SgtBeansprout_16, ShaboiShabazz_15, Sizemore_15, Slarp_20, Sneeze_15, SoSeph_18, Strobilo_16, Sweets_15, TM4_16, Taheera_15, Taquito_19, Terror_15, Thyatira_18, TomBrady_15, Unicorn_19, Waterfoul_18, Wintermute_21, ZoeJ_16, Zombie_15,

Summary by start number:

Start 2:

- Found in 55 of 243 (22.6%) of genes in pham
- Manual Annotations of this start: 4 of 242
- Called 7.3% of time when present
- Phage (with cluster) where this start called: CLED96_15 (G1), FlagStaff_15 (G2), GoldenAsh_15 (G1), Remy19_15 (G1),

Start 5:

- Found in 92 of 243 (37.9%) of genes in pham
- Manual Annotations of this start: 2 of 242
- Called 2.2% of time when present
- Phage (with cluster) where this start called: Peanam_20 (K1), Validus_20 (K1),

Start 8:

- Found in 1 of 243 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 242
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boilgate_17 (K8),

Start 9:

- Found in 180 of 243 (74.1%) of genes in pham
- Manual Annotations of this start: 71 of 242
- Called 40.0% of time when present
- Phage (with cluster) where this start called: AlleyCat_18 (K5), Amgine_18 (K6), Angel_15 (G1), Annihilator_15 (G1), Antsirabe_15 (G5), Aroostook_15 (G1), Avocado_15 (G2), Avrafan_15 (G1), BPs_15 (G1), BQuat_15 (G1), Barkley26_15 (G1), BruceB_15 (G1), Cambiare_16 (G2), Camri_15 (G1), CassieYates_15 (G1),

Cedasite_15 (G1), Chance64_14 (G1), Cherrybomb426_15 (G1), Coleslaw_15 (G1), Collard_17 (K5), Crespo_15 (G1), Curiosium_21 (K1), DMoney_15 (G1), Darionha_15 (G1), Frosty24_15 (G1), Gideon_15 (G1), Gomashi_14 (G1), Grizzly_15 (G1), Halo_15 (G1), Hope_14 (G1), Hotshotbaby7_15 (G1), Inky_19 (K1), Jane_15 (G1), Jolene_15 (G1), Jolie2_15 (G4), Jonghyun_15 (G1), JorRay_15 (G1), Kareem_15 (G1), Kasen3_15 (G1), Kratio_17 (K5), Krueger_19 (K6), Larva_18 (K5), Lemuria_15 (G4), Liefie_15 (G1), LouisV14_15 (G1), MOOREtheMARYer_15 (G3), Marmie_15 (G1), Mercurio_16 (G4), Mowgli_15 (G1), OctaviousRex_14 (G1), Olga_15 (G1), Omnicron_17 (K5), Paito_15 (G1), Peeb_15 (G1), Periodt_15 (G1), Phish_15 (G1), Phreak_15 (G1), PinkYoshi_15 (G1), Pinnie_16 (G3), Plagueis_15 (G1), Psycho_18 (K5), Rabbs_15 (G1), Renaissance_15 (G1), Schiebel_15 (G1), ShaboiShabazz_15 (G1), Sizemore_15 (G1), Sneeze_15 (G1), Sweets_15 (G1), Taheera_15 (G1), Terror_15 (G1), TomBrady_15 (G1), Zombie_15 (G1),

Start 13:

- Found in 11 of 243 (4.5%) of genes in pham
- Manual Annotations of this start: 11 of 242
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_18 (K7), BoostSeason_16 (K2), DismalFunk_15 (K2), DismalStressor_16 (K2), Findley_16 (K2), Marcoliusprime_16 (K2), Milly_16 (K2), Mufasa_16 (K2), Strobilo_16 (K2), TM4_16 (K2), ZoeJ_16 (K2),

Start 15:

- Found in 20 of 243 (8.2%) of genes in pham
- Manual Annotations of this start: 14 of 242
- Called 70.0% of time when present
- Phage (with cluster) where this start called: Agent47_18 (K5), Dadosky_18 (K5), Edugator_16 (K5), Feyre_18 (K5), Gengar_18 (K5), Guillsminger_17 (K5), Heftyboy_18 (K5), InvictusManeo_18 (K5), Leston_18 (K5), OkiRoe_18 (K5), Paola_18 (K5), SoSeph_18 (K5), Thyatira_18 (K5), Waterfoul_18 (K5),

Start 16:

- Found in 18 of 243 (7.4%) of genes in pham
- Manual Annotations of this start: 18 of 242
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chancellor_21 (K4), Cheetobro_21 (K4), Eponine_21 (K4), Fionnbharth_21 (K4), JF1_21 (K4), Juliette_21 (K4), Malthus_21 (K4), MissDaisy_21 (K4), Mitti_21 (K4), OmniCritical_21 (K4), Patt_20 (K4), PhelpsODU_19 (K6), Reptar3000_21 (K4), SamScheppers_19 (K4), Slarp_20 (K4), Taquito_19 (K4), Unicorn_19 (K6), Wintermute_21 (K4),

Start 17:

- Found in 8 of 243 (3.3%) of genes in pham
- Manual Annotations of this start: 8 of 242
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amelie_16 (K1), Binglebops_16 (K1), Enkosi_16 (K1), LilPharaoh_16 (K1), Mdavu_16 (K1), Nikao_16 (K1), Nutello_16 (K1), SgtBeansprout_16 (K1),

Start 18:

- Found in 119 of 243 (49.0%) of genes in pham
- Manual Annotations of this start: 113 of 242
- Called 95.0% of time when present

- Phage (with cluster) where this start called: ActinUp_20 (K1), Adephagia_20 (K1), Adonis_20 (K1), Ageofdapage_20 (K1), AlishaPH_20 (K1), Amohnition_18 (K6), Anaya_21 (K1), Angelica_20 (K1), Apocalypse_20 (K1), Asayake_20 (K1), Atiba_20 (K1), BEEEST_20 (K1), BGlluviae_20 (K1), BaghaKamala_20 (K1), BarrelRoll_20 (K1), Beezoo_20 (K1), Bella96_20 (K1), Belladonna_20 (K1), Blizzard_20 (K1), Boiiii_20 (K1), Bryler_19 (K6), CREW_20 (K1), Cain_19 (K6), Capricorn_20 (K1), CaseJules_20 (K1), CheetoDust_20 (K1), Chris_19 (K1), CrimD_19 (K1), Dalmuri_20 (K1), DarthP_19 (K6), Deby_20 (K1), Devera_20 (K1), Dole_20 (K1), DrHayes_20 (K1), Durfee_20 (K1), Efra2_20 (K1), Ekdilam_17 (K6), Ellie_17 (K6), Emerson_19 (K1), Fefferhead_19 (K6), Ganymede_21 (K1), Geraldini_20 (K1), Guanica15_20 (K1), Hammy_19 (K6), HedwigODU_20 (K1), Homura_20 (K1), Hurricane_19 (K3), Hyperbowlee_20 (K1), Illumine_20 (K1), JAWS_20 (K1), Jarvi_20 (K1), Jeckyll_20 (K1), Joy99_20 (K1), Keshu_19 (K3), KiSi_19 (K1), LastHope_19 (K1), LaterM_20 (K1), LeMond_19 (K1), LindNT_20 (K1), Lunahalos_20 (K1), MacnCheese_20 (K3), MarkPhew_20 (K1), Marshawn_21 (K6), MeaningOfLife_20 (K1), Megsy_20 (K1), Murucutumbu_20 (K1), Mynx_20 (K1), Nibb_19 (K1), Niklas_20 (K1), Oscar_19 (K1), Padfoot_20 (K1), Padpat_20 (K1), Peel_20 (K1), Pharb_19 (K3), Phrank_19 (K6), Piatt_20 (K1), Pixie_18 (K3), Pokerus_19 (K1), Prithvi_20 (K1), QuincyRose_19 (K1), Ramen_20 (K1), Rapunzel97_20 (K1), Rosmarinus_20 (K1), SamuelLPlaqson_20 (K1), Scarlett_19 (K1), Shadow1_18 (K6), Shaobing_20 (K1), ShedlockHolmes_19 (K3), ShiaSurprise_20 (K1), SirPhilip_19 (K6), Slimphazie_20 (K1), Spock_20 (K1), Stinson_20 (K1), Sulley_20 (K1), Sunflower1121_18 (K6), Syra333_19 (K6), TBond007_19 (K3), Tachez_20 (K1), Tierra_19 (K6), TiniBug_20 (K1), Tiri_20 (K1), Topper_20 (K1), TreyKay_20 (K1), TribbleTrouble_18 (K3), TruffulaTree_20 (K1), Twitch_20 (K1), Urkel_20 (K1), Veliki_20 (K1), Ximenita_20 (K6), YoureAdopted_19 (K1), Yuna_20 (K6), Yunkel11_20 (K1), Zavala_20 (K1),

Summary by clusters:

There are 13 clusters represented in this pham: G5, G4, G3, G2, G1, K3, K2, K1, K7, K6, K5, K4, K8,

Info for manual annotations of cluster G1:

- Start number 2 was manually annotated 3 times for cluster G1.
- Start number 9 was manually annotated 54 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 2 was manually annotated 1 time for cluster G2.
- Start number 9 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 9 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 9 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 9 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster K1:

- Start number 5 was manually annotated 2 times for cluster K1.
- Start number 9 was manually annotated 2 times for cluster K1.
- Start number 17 was manually annotated 8 times for cluster K1.

- Start number 18 was manually annotated 88 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 13 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 18 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 16 was manually annotated 16 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 9 was manually annotated 6 times for cluster K5.
- Start number 15 was manually annotated 14 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 9 was manually annotated 2 times for cluster K6.
- Start number 16 was manually annotated 2 times for cluster K6.
- Start number 18 was manually annotated 17 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 13 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 8 was manually annotated 1 time for cluster K8.

Gene Information:

Gene: ActinUp_20 Start: 11232, Stop: 12079, Start Num: 18

Candidate Starts for ActinUp_20:

(Start: 5 @11154 has 2 MA's), (Start: 9 @11166 has 71 MA's), (Start: 18 @11232 has 113 MA's), (30, 11289), (37, 11406), (44, 11529), (49, 11595), (54, 11685), (64, 11757), (67, 11793), (71, 11838), (74, 11877), (75, 11901), (84, 11970), (88, 12045),

Gene: Adephagia_20 Start: 11232, Stop: 12079, Start Num: 18

Candidate Starts for Adephagia_20:

(Start: 5 @11154 has 2 MA's), (Start: 9 @11166 has 71 MA's), (Start: 18 @11232 has 113 MA's), (30, 11289), (37, 11406), (44, 11529), (49, 11595), (54, 11685), (64, 11757), (67, 11793), (71, 11838), (74, 11877), (75, 11901), (84, 11970), (88, 12045),

Gene: Adonis_20 Start: 11241, Stop: 12088, Start Num: 18

Candidate Starts for Adonis_20:

(Start: 5 @11163 has 2 MA's), (Start: 9 @11175 has 71 MA's), (Start: 18 @11241 has 113 MA's), (30, 11298), (44, 11538), (49, 11604), (54, 11694), (64, 11766), (67, 11802), (71, 11847), (74, 11886), (75, 11910), (84, 11979),

Gene: Agent47_18 Start: 11377, Stop: 12218, Start Num: 15

Candidate Starts for Agent47_18:

(Start: 9 @11332 has 71 MA's), (Start: 15 @11377 has 14 MA's), (31, 11461), (35, 11512), (39, 11593), (56, 11848), (59, 11860), (69, 11980), (74, 12031), (76, 12082), (81, 12109), (82, 12112), (86, 12175),

Gene: Ageofdapage_20 Start: 11170, Stop: 12014, Start Num: 18

Candidate Starts for Ageofdapage_20:

(Start: 5 @11092 has 2 MA's), (Start: 9 @11104 has 71 MA's), (Start: 18 @11170 has 113 MA's), (35, 11293), (44, 11464), (49, 11530), (54, 11620), (67, 11728), (71, 11773), (74, 11812), (84, 11905), (88, 11980),

Gene: AlishaPH_20 Start: 11228, Stop: 12075, Start Num: 18

Candidate Starts for AlishaPH_20:

(Start: 5 @11150 has 2 MA's), (Start: 9 @11162 has 71 MA's), (Start: 18 @11228 has 113 MA's), (30, 11285), (37, 11402), (44, 11525), (49, 11591), (54, 11681), (64, 11753), (67, 11789), (71, 11834), (74, 11873), (75, 11897), (84, 11966), (88, 12041),

Gene: AlleyCat_18 Start: 11208, Stop: 12094, Start Num: 9

Candidate Starts for AlleyCat_18:

(Start: 9 @11208 has 71 MA's), (Start: 15 @11253 has 14 MA's), (31, 11337), (35, 11388), (39, 11469), (54, 11715), (59, 11736), (69, 11856), (74, 11907), (76, 11958), (81, 11985), (85, 12009), (86, 12051),

Gene: Amelie_16 Start: 10504, Stop: 11327, Start Num: 17

Candidate Starts for Amelie_16:

(Start: 17 @10504 has 8 MA's), (44, 10780), (54, 10936), (64, 11008), (66, 11038), (67, 11044), (74, 11128), (87, 11278),

Gene: Amgine_18 Start: 10940, Stop: 11862, Start Num: 9

Candidate Starts for Amgine_18:

(Start: 9 @10940 has 71 MA's), (Start: 18 @11003 has 113 MA's), (23, 11045), (35, 11144), (49, 11381), (53, 11459), (54, 11471), (66, 11573), (67, 11579), (69, 11612),

Gene: Aminay_18 Start: 11067, Stop: 11992, Start Num: 13

Candidate Starts for Aminay_18:

(Start: 5 @11001 has 2 MA's), (Start: 13 @11067 has 11 MA's), (21, 11121), (27, 11163), (30, 11175), (38, 11319), (39, 11325), (43, 11406), (45, 11436), (68, 11685), (70, 11718), (75, 11787), (87, 11943),

Gene: Amohnition_18 Start: 11325, Stop: 12196, Start Num: 18

Candidate Starts for Amohnition_18:

(Start: 9 @11256 has 71 MA's), (Start: 18 @11325 has 113 MA's), (23, 11370), (35, 11469), (43, 11631), (49, 11706), (66, 11898), (67, 11904), (74, 11988),

Gene: Anaya_21 Start: 11244, Stop: 12097, Start Num: 18

Candidate Starts for Anaya_21:

(Start: 18 @11244 has 113 MA's), (44, 11547), (49, 11613), (54, 11703), (64, 11775), (66, 11805), (67, 11811), (74, 11895), (77, 11949), (88, 12063),

Gene: Angel_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Angel_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Angelica_20 Start: 11203, Stop: 12050, Start Num: 18

Candidate Starts for Angelica_20:

(Start: 5 @11125 has 2 MA's), (Start: 9 @11137 has 71 MA's), (Start: 18 @11203 has 113 MA's), (30, 11260), (44, 11500), (49, 11566), (54, 11656), (64, 11728), (67, 11764), (71, 11809), (74, 11848), (75,

11872), (84, 11941), (88, 12016),

Gene: Annihilator_15 Start: 10560, Stop: 11455, Start Num: 9

Candidate Starts for Annihilator_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10560 has 71 MA's), (35, 10746), (45, 10938), (50, 11010), (54, 11073), (55, 11082), (78, 11322),

Gene: Antsirabe_15 Start: 10908, Stop: 11833, Start Num: 9

Candidate Starts for Antsirabe_15:

(Start: 9 @10908 has 71 MA's), (32, 11058), (40, 11214), (41, 11232), (42, 11259), (47, 11325), (49, 11352), (57, 11463),

Gene: Apocalypse_20 Start: 11206, Stop: 12053, Start Num: 18

Candidate Starts for Apocalypse_20:

(Start: 5 @11128 has 2 MA's), (Start: 9 @11140 has 71 MA's), (Start: 18 @11206 has 113 MA's), (30, 11263), (37, 11380), (44, 11503), (49, 11569), (54, 11659), (64, 11731), (67, 11767), (71, 11812), (74, 11851), (75, 11875), (84, 11944), (88, 12019),

Gene: Aroostook_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Aroostook_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Asayake_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Asayake_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: Atiba_20 Start: 11195, Stop: 12042, Start Num: 18

Candidate Starts for Atiba_20:

(Start: 5 @11117 has 2 MA's), (Start: 9 @11129 has 71 MA's), (Start: 18 @11195 has 113 MA's), (30, 11252), (37, 11369), (44, 11492), (49, 11558), (54, 11648), (64, 11720), (67, 11756), (71, 11801), (74, 11840), (75, 11864), (84, 11933), (88, 12008),

Gene: Avocado_15 Start: 10731, Stop: 11689, Start Num: 9

Candidate Starts for Avocado_15:

(1, 10641), (Start: 9 @10731 has 71 MA's), (34, 10929), (40, 11067), (49, 11205), (50, 11232), (52, 11277), (61, 11334), (64, 11373),

Gene: Avrafan_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Avrafan_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: BEEST_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for BEEST_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: BGlluviae_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for BGlluviae_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: BPs_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for BPs_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: BQuat_15 Start: 10560, Stop: 11455, Start Num: 9

Candidate Starts for BQuat_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10560 has 71 MA's), (35, 10746), (45, 10938), (50, 11010), (54, 11073), (55, 11082), (78, 11322),

Gene: BaghaKamala_20 Start: 11198, Stop: 12045, Start Num: 18

Candidate Starts for BaghaKamala_20:

(Start: 5 @11120 has 2 MA's), (Start: 9 @11132 has 71 MA's), (Start: 18 @11198 has 113 MA's), (30, 11255), (44, 11495), (49, 11561), (54, 11651), (64, 11723), (66, 11753), (67, 11759), (71, 11804), (74, 11843), (75, 11867), (84, 11936), (87, 11996), (88, 12011),

Gene: Barkley26_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Barkley26_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: BarrelRoll_20 Start: 11221, Stop: 12068, Start Num: 18

Candidate Starts for BarrelRoll_20:

(Start: 5 @11143 has 2 MA's), (Start: 9 @11155 has 71 MA's), (Start: 18 @11221 has 113 MA's), (30, 11278), (37, 11395), (44, 11518), (49, 11584), (54, 11674), (64, 11746), (67, 11782), (71, 11827), (74, 11866), (75, 11890), (84, 11959), (88, 12034),

Gene: Beezoo_20 Start: 11245, Stop: 12092, Start Num: 18

Candidate Starts for Beezoo_20:

(Start: 18 @11245 has 113 MA's), (30, 11302), (37, 11419), (44, 11542), (49, 11608), (54, 11698), (64, 11770), (67, 11806), (71, 11851), (74, 11890), (75, 11914), (84, 11983), (88, 12058),

Gene: Bella96_20 Start: 11152, Stop: 12005, Start Num: 18

Candidate Starts for Bella96_20:

(Start: 5 @11074 has 2 MA's), (Start: 9 @11086 has 71 MA's), (Start: 18 @11152 has 113 MA's), (44, 11455), (49, 11521), (54, 11611), (67, 11719), (71, 11764), (72, 11767), (74, 11803), (75, 11827), (88, 11971),

Gene: Belladonna_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Belladonna_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: Biglebops_16 Start: 10504, Stop: 11327, Start Num: 17

Candidate Starts for Biglebops_16:

(Start: 17 @10504 has 8 MA's), (44, 10780), (54, 10936), (64, 11008), (66, 11038), (67, 11044), (74, 11128), (87, 11278),

Gene: Blizzard_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Blizzard_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: Boiiii_20 Start: 11271, Stop: 12118, Start Num: 18

Candidate Starts for Boiiii_20:

(Start: 5 @11193 has 2 MA's), (Start: 9 @11205 has 71 MA's), (Start: 18 @11271 has 113 MA's), (30, 11328), (37, 11445), (44, 11568), (49, 11634), (54, 11724), (64, 11796), (67, 11832), (71, 11877), (74, 11916), (75, 11940), (84, 12009), (88, 12084),

Gene: Boilgate_17 Start: 11192, Stop: 12174, Start Num: 8

Candidate Starts for Boilgate_17:

(Start: 8 @11192 has 1 MA's), (24, 11297), (42, 11528), (44, 11555), (50, 11648), (56, 11720), (58, 11726), (60, 11738), (66, 11813), (71, 11864), (74, 11903), (83, 12011), (87, 12077), (89, 12101), (91, 12122),

Gene: BoostSeason_16 Start: 9260, Stop: 10143, Start Num: 13

Candidate Starts for BoostSeason_16:

(Start: 9 @9203 has 71 MA's), (Start: 13 @9260 has 11 MA's), (28, 9350), (38, 9503), (66, 9857),

Gene: BruceB_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for BruceB_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Bryler_19 Start: 10254, Stop: 11095, Start Num: 18

Candidate Starts for Bryler_19:

(Start: 9 @10188 has 71 MA's), (Start: 18 @10254 has 113 MA's), (25, 10287), (35, 10365), (44, 10536), (66, 10794), (67, 10800), (73, 10860), (74, 10884), (87, 11037), (88, 11052),

Gene: CLED96_15 Start: 10494, Stop: 11464, Start Num: 2

Candidate Starts for CLED96_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: CREW_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for CREW_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: Cain_19 Start: 10242, Stop: 11083, Start Num: 18

Candidate Starts for Cain_19:

(Start: 9 @10176 has 71 MA's), (Start: 18 @10242 has 113 MA's), (25, 10275), (35, 10353), (44, 10524), (66, 10782), (67, 10788), (73, 10848), (74, 10872), (87, 11025), (88, 11040),

Gene: Cambiare_16 Start: 11193, Stop: 12151, Start Num: 9

Candidate Starts for Cambiare_16:

(1, 11103), (Start: 9 @11193 has 71 MA's), (34, 11391), (40, 11529), (49, 11667), (50, 11694), (52, 11739), (61, 11796),

Gene: Camri_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Camri_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Capricorn_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Capricorn_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: CaseJules_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for CaseJules_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: CassieYates_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for CassieYates_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Cedasite_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Cedasite_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Chance64_14 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Chance64_14:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Chancellor_21 Start: 12441, Stop: 13321, Start Num: 16

Candidate Starts for Chancellor_21:

(Start: 5 @12378 has 2 MA's), (Start: 16 @12441 has 18 MA's), (33, 12540), (36, 12594), (39, 12660), (59, 12927), (66, 13008), (70, 13053), (71, 13059), (75, 13122), (89, 13302),

Gene: CheetoDust_20 Start: 11246, Stop: 12093, Start Num: 18

Candidate Starts for CheetoDust_20:

(Start: 5 @11168 has 2 MA's), (Start: 9 @11180 has 71 MA's), (Start: 18 @11246 has 113 MA's), (30, 11303), (44, 11543), (49, 11609), (54, 11699), (64, 11771), (67, 11807), (71, 11852), (74, 11891), (75, 11915), (84, 11984), (88, 12059),

Gene: Cheetobro_21 Start: 12441, Stop: 13321, Start Num: 16

Candidate Starts for Cheetobro_21:

(Start: 5 @12378 has 2 MA's), (Start: 16 @12441 has 18 MA's), (33, 12540), (36, 12594), (39, 12660), (59, 12927), (66, 13008), (70, 13053), (71, 13059), (75, 13122), (89, 13302),

Gene: Cherrybomb426_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Cherrybomb426_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Chris_19 Start: 10215, Stop: 11062, Start Num: 18

Candidate Starts for Chris_19:

(14, 10209), (Start: 18 @10215 has 113 MA's), (44, 10524), (45, 10545), (74, 10872), (78, 10929), (88, 11040),

Gene: Coleslaw_15 Start: 10560, Stop: 11455, Start Num: 9

Candidate Starts for Coleslaw_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10560 has 71 MA's), (35, 10746), (45, 10938), (50, 11010), (54, 11073), (55, 11082), (78, 11322),

Gene: Collard_17 Start: 11293, Stop: 12179, Start Num: 9

Candidate Starts for Collard_17:

(Start: 9 @11293 has 71 MA's), (Start: 15 @11338 has 14 MA's), (31, 11422), (35, 11473), (39, 11554), (56, 11809), (59, 11821), (69, 11941), (74, 11992), (76, 12043), (81, 12070), (82, 12073), (86, 12136),

Gene: Crespo_15 Start: 10570, Stop: 11465, Start Num: 9

Candidate Starts for Crespo_15:

(Start: 2 @10495 has 4 MA's), (3, 10525), (Start: 9 @10570 has 71 MA's), (35, 10756), (45, 10948), (50, 11020), (54, 11083), (55, 11092), (78, 11332),

Gene: CrimD_19 Start: 11200, Stop: 12050, Start Num: 18

Candidate Starts for CrimD_19:

(Start: 18 @11200 has 113 MA's), (26, 11251), (44, 11500), (49, 11566), (54, 11656), (57, 11668), (67, 11764), (71, 11809), (74, 11848), (75, 11872), (84, 11941), (88, 12016),

Gene: Curiosium_21 Start: 10615, Stop: 11510, Start Num: 9

Candidate Starts for Curiosium_21:

(Start: 9 @10615 has 71 MA's), (Start: 18 @10681 has 113 MA's), (25, 10705), (31, 10729), (44, 10954), (54, 11110), (66, 11212), (69, 11251), (70, 11257), (74, 11302), (88, 11467),

Gene: DMoney_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for DMoney_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Dadosky_18 Start: 11254, Stop: 12095, Start Num: 15

Candidate Starts for Dadosky_18:

(Start: 9 @11209 has 71 MA's), (Start: 15 @11254 has 14 MA's), (31, 11338), (35, 11389), (39, 11470), (54, 11716), (59, 11737), (69, 11857), (74, 11908), (76, 11959), (81, 11986), (85, 12010), (86, 12052),

Gene: Dalmuri_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Dalmuri_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: Darionha_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Darionha_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: DarthP_19 Start: 11325, Stop: 12196, Start Num: 18

Candidate Starts for DarthP_19:

(Start: 9 @11256 has 71 MA's), (Start: 18 @11325 has 113 MA's), (23, 11370), (49, 11706), (66, 11898), (67, 11904), (74, 11988),

Gene: Deby_20 Start: 11203, Stop: 12050, Start Num: 18

Candidate Starts for Deby_20:

(Start: 5 @11125 has 2 MA's), (Start: 9 @11137 has 71 MA's), (Start: 18 @11203 has 113 MA's), (30, 11260), (44, 11500), (49, 11566), (54, 11656), (64, 11728), (67, 11764), (71, 11809), (74, 11848), (75, 11872), (84, 11941), (88, 12016),

Gene: Devera_20 Start: 11230, Stop: 12074, Start Num: 18

Candidate Starts for Devera_20:

(Start: 5 @11152 has 2 MA's), (Start: 9 @11164 has 71 MA's), (Start: 18 @11230 has 113 MA's), (35, 11353), (44, 11524), (49, 11590), (54, 11680), (66, 11782), (67, 11788), (71, 11833), (74, 11872), (84, 11965), (88, 12040),

Gene: DismalFunk_15 Start: 9253, Stop: 10115, Start Num: 13

Candidate Starts for DismalFunk_15:

(Start: 9 @9196 has 71 MA's), (Start: 13 @9253 has 11 MA's), (28, 9325), (38, 9475), (39, 9481), (66, 9829), (90, 10102),

Gene: DismalStressor_16 Start: 9253, Stop: 10115, Start Num: 13

Candidate Starts for DismalStressor_16:

(Start: 9 @9196 has 71 MA's), (Start: 13 @9253 has 11 MA's), (28, 9325), (38, 9475), (39, 9481), (66, 9829), (90, 10102),

Gene: Dole_20 Start: 11232, Stop: 12076, Start Num: 18

Candidate Starts for Dole_20:

(Start: 5 @11154 has 2 MA's), (Start: 9 @11166 has 71 MA's), (Start: 18 @11232 has 113 MA's), (35, 11355), (44, 11526), (49, 11592), (54, 11682), (66, 11784), (67, 11790), (71, 11835), (74, 11874), (84, 11967), (88, 12042),

Gene: DrHayes_20 Start: 11173, Stop: 12023, Start Num: 18

Candidate Starts for DrHayes_20:

(Start: 5 @11095 has 2 MA's), (Start: 9 @11107 has 71 MA's), (12, 11134), (Start: 18 @11173 has 113 MA's), (44, 11473), (49, 11539), (54, 11629), (67, 11737), (71, 11782), (74, 11821), (75, 11845), (84, 11914), (88, 11989),

Gene: Durfee_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Durfee_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: Edugator_16 Start: 11254, Stop: 12095, Start Num: 15

Candidate Starts for Edugator_16:

(Start: 9 @11209 has 71 MA's), (Start: 15 @11254 has 14 MA's), (31, 11338), (35, 11389), (39, 11470), (54, 11716), (59, 11737), (69, 11857), (74, 11908), (76, 11959), (81, 11986), (85, 12010), (86, 12052),

Gene: Efra2_20 Start: 10171, Stop: 11000, Start Num: 18

Candidate Starts for Efra2_20:

(Start: 9 @10105 has 71 MA's), (Start: 18 @10171 has 113 MA's), (25, 10195), (31, 10219), (44, 10444), (54, 10600), (62, 10651), (66, 10702), (70, 10747), (74, 10792),

Gene: Ekdilam_17 Start: 11036, Stop: 11907, Start Num: 18

Candidate Starts for Ekdilam_17:

(Start: 18 @11036 has 113 MA's), (23, 11081), (35, 11180), (49, 11417), (51, 11471), (59, 11528), (62, 11558), (66, 11609), (67, 11615), (74, 11699), (86, 11843),

Gene: Ellie_17 Start: 11081, Stop: 11943, Start Num: 18

Candidate Starts for Ellie_17:

(Start: 9 @11015 has 71 MA's), (Start: 18 @11081 has 113 MA's), (23, 11126), (35, 11225), (49, 11462), (50, 11489), (54, 11552), (66, 11654), (67, 11660), (69, 11693), (74, 11744), (77, 11798), (88, 11909),

Gene: Emerson_19 Start: 11229, Stop: 12076, Start Num: 18

Candidate Starts for Emerson_19:

(Start: 5 @11151 has 2 MA's), (Start: 9 @11163 has 71 MA's), (Start: 18 @11229 has 113 MA's), (30, 11286), (37, 11403), (44, 11526), (49, 11592), (54, 11682), (64, 11754), (67, 11790), (71, 11835), (74, 11874), (75, 11898), (84, 11967), (88, 12042),

Gene: Enkosi_16 Start: 10504, Stop: 11327, Start Num: 17

Candidate Starts for Enkosi_16:

(Start: 17 @10504 has 8 MA's), (44, 10780), (54, 10936), (64, 11008), (66, 11038), (67, 11044), (74, 11128), (87, 11278),

Gene: Eponine_21 Start: 12303, Stop: 13189, Start Num: 16

Candidate Starts for Eponine_21:

(Start: 16 @12303 has 18 MA's), (29, 12372), (35, 12447), (36, 12459), (39, 12525), (50, 12708), (59, 12792), (66, 12873), (70, 12918), (71, 12924), (74, 12963), (75, 12987), (87, 13143), (89, 13167),

Gene: Fefferhead_19 Start: 11248, Stop: 12110, Start Num: 18

Candidate Starts for Fefferhead_19:

(Start: 9 @11182 has 71 MA's), (Start: 18 @11248 has 113 MA's), (23, 11293), (35, 11392), (49, 11629), (50, 11656), (54, 11719), (66, 11821), (67, 11827), (69, 11860), (72, 11875), (88, 12076),

Gene: Feyre_18 Start: 11196, Stop: 12037, Start Num: 15

Candidate Starts for Feyre_18:

(Start: 15 @11196 has 14 MA's), (30, 11268), (31, 11280), (35, 11331), (42, 11475), (54, 11658), (75, 11874), (76, 11901), (81, 11928),

Gene: Findley_16 Start: 9253, Stop: 10115, Start Num: 13

Candidate Starts for Findley_16:

(Start: 9 @9196 has 71 MA's), (Start: 13 @9253 has 11 MA's), (28, 9325), (38, 9475), (39, 9481), (66, 9829), (90, 10102),

Gene: Fionnbharth_21 Start: 12431, Stop: 13311, Start Num: 16

Candidate Starts for Fionnbharth_21:

(Start: 5 @12368 has 2 MA's), (Start: 16 @12431 has 18 MA's), (33, 12530), (36, 12584), (39, 12650), (59, 12917), (66, 12998), (70, 13043), (71, 13049), (75, 13112), (89, 13292),

Gene: FlagStaff_15 Start: 10592, Stop: 11628, Start Num: 2

Candidate Starts for FlagStaff_15:

(Start: 2 @10592 has 4 MA's), (Start: 9 @10664 has 71 MA's), (34, 10853), (38, 10967), (49, 11129), (50, 11156),

Gene: Frosty24_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Frosty24_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Ganymede_21 Start: 11249, Stop: 12096, Start Num: 18

Candidate Starts for Ganymede_21:

(Start: 5 @11171 has 2 MA's), (Start: 9 @11183 has 71 MA's), (Start: 18 @11249 has 113 MA's), (30, 11306), (44, 11546), (49, 11612), (54, 11702), (64, 11774), (66, 11804), (67, 11810), (71, 11855), (74, 11894), (75, 11918), (84, 11987), (88, 12062),

Gene: Gengar_18 Start: 11303, Stop: 12144, Start Num: 15

Candidate Starts for Gengar_18:

(Start: 15 @11303 has 14 MA's), (31, 11387), (35, 11438), (42, 11582), (54, 11765), (75, 11981), (76, 12008), (81, 12035),

Gene: Geraldini_20 Start: 11245, Stop: 12092, Start Num: 18

Candidate Starts for Geraldini_20:

(Start: 18 @11245 has 113 MA's), (30, 11302), (37, 11419), (44, 11542), (49, 11608), (54, 11698), (64, 11770), (66, 11800), (67, 11806), (71, 11851), (74, 11890), (75, 11914), (84, 11983), (88, 12058),

Gene: Gideon_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Gideon_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: GoldenAsh_15 Start: 10494, Stop: 11464, Start Num: 2

Candidate Starts for GoldenAsh_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Gomashi_14 Start: 10570, Stop: 11465, Start Num: 9

Candidate Starts for Gomashi_14:

(Start: 2 @10495 has 4 MA's), (3, 10525), (Start: 9 @10570 has 71 MA's), (35, 10756), (45, 10948), (50, 11020), (54, 11083), (55, 11092), (78, 11332),

Gene: Grizzly_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Grizzly_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091),

Gene: Guanica15_20 Start: 10187, Stop: 11016, Start Num: 18

Candidate Starts for Guanica15_20:

(Start: 9 @10121 has 71 MA's), (Start: 18 @10187 has 113 MA's), (25, 10211), (31, 10235), (44, 10460), (54, 10616), (62, 10667), (66, 10718), (70, 10763), (74, 10808),

Gene: Guillsminger_17 Start: 11278, Stop: 12119, Start Num: 15

Candidate Starts for Guillsminger_17:

(Start: 15 @11278 has 14 MA's), (31, 11362), (35, 11413), (42, 11557), (54, 11740), (75, 11956), (76, 11983), (81, 12010),

Gene: Halo_15 Start: 10564, Stop: 11459, Start Num: 9

Candidate Starts for Halo_15:

(Start: 2 @10489 has 4 MA's), (Start: 9 @10564 has 71 MA's), (35, 10750), (45, 10942), (50, 11014), (54, 11077), (55, 11086), (78, 11326),

Gene: Hammy_19 Start: 11319, Stop: 12190, Start Num: 18

Candidate Starts for Hammy_19:

(Start: 9 @11250 has 71 MA's), (Start: 18 @11319 has 113 MA's), (23, 11364), (49, 11700), (66, 11892), (67, 11898), (74, 11982),

Gene: HedwigODU_20 Start: 11232, Stop: 12079, Start Num: 18

Candidate Starts for HedwigODU_20:

(Start: 5 @11154 has 2 MA's), (Start: 9 @11166 has 71 MA's), (Start: 18 @11232 has 113 MA's), (30, 11289), (37, 11406), (44, 11529), (49, 11595), (54, 11685), (64, 11757), (67, 11793), (71, 11838), (74, 11877), (75, 11901), (84, 11970), (88, 12045),

Gene: Heftyboy_18 Start: 11405, Stop: 12246, Start Num: 15

Candidate Starts for Heftyboy_18:

(Start: 15 @11405 has 14 MA's), (31, 11489), (35, 11540), (42, 11684), (54, 11867), (69, 12008), (74, 12059), (76, 12110), (81, 12137), (82, 12140), (86, 12203),

Gene: Homura_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Homura_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: Hope_14 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Hope_14:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Hotshotbaby7_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Hotshotbaby7_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Hurricane_19 Start: 11360, Stop: 12204, Start Num: 18

Candidate Starts for Hurricane_19:

(Start: 9 @11297 has 71 MA's), (Start: 18 @11360 has 113 MA's), (20, 11378), (35, 11483), (42, 11627), (44, 11654), (45, 11675), (60, 11846), (67, 11927), (76, 12059), (87, 12161), (88, 12176),

Gene: Hyperbowlee_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Hyperbowlee_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: Illumine_20 Start: 11232, Stop: 12076, Start Num: 18

Candidate Starts for Illumine_20:

(Start: 5 @11154 has 2 MA's), (Start: 9 @11166 has 71 MA's), (Start: 18 @11232 has 113 MA's), (35, 11355), (44, 11526), (49, 11592), (54, 11682), (66, 11784), (67, 11790), (71, 11835), (74, 11874), (84,

11967), (88, 12042),

Gene: Inky_19 Start: 11203, Stop: 12116, Start Num: 9

Candidate Starts for Inky_19:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: InvictusManeo_18 Start: 11381, Stop: 12222, Start Num: 15

Candidate Starts for InvictusManeo_18:

(Start: 9 @11336 has 71 MA's), (Start: 15 @11381 has 14 MA's), (31, 11465), (35, 11516), (39, 11597), (56, 11852), (59, 11864), (69, 11984), (74, 12035), (76, 12086), (81, 12113), (82, 12116), (86, 12179),

Gene: JAWS_20 Start: 11223, Stop: 12070, Start Num: 18

Candidate Starts for JAWS_20:

(Start: 5 @11145 has 2 MA's), (Start: 9 @11157 has 71 MA's), (Start: 18 @11223 has 113 MA's), (30, 11280), (37, 11397), (44, 11520), (49, 11586), (54, 11676), (64, 11748), (67, 11784), (71, 11829), (74, 11868), (75, 11892), (84, 11961), (88, 12036),

Gene: JF1_21 Start: 12430, Stop: 13310, Start Num: 16

Candidate Starts for JF1_21:

(Start: 5 @12367 has 2 MA's), (Start: 16 @12430 has 18 MA's), (33, 12529), (36, 12583), (39, 12649), (59, 12916), (66, 12997), (67, 13003), (70, 13042), (71, 13048), (75, 13111), (89, 13291),

Gene: Jane_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Jane_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Jarvi_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Jarvi_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: Jeckyll_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Jeckyll_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: Jolene_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Jolene_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Jolie2_15 Start: 9852, Stop: 10765, Start Num: 9

Candidate Starts for Jolie2_15:

(Start: 9 @9852 has 71 MA's), (32, 9996), (48, 10266), (50, 10308), (61, 10410), (84, 10644),

Gene: Jonghyun_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Jonghyun_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: JorRay_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for JorRay_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Joy99_20 Start: 11198, Stop: 12045, Start Num: 18

Candidate Starts for Joy99_20:

(Start: 5 @11120 has 2 MA's), (Start: 9 @11132 has 71 MA's), (Start: 18 @11198 has 113 MA's), (30, 11255), (44, 11495), (49, 11561), (54, 11651), (64, 11723), (66, 11753), (67, 11759), (70, 11798), (71, 11804), (74, 11843), (75, 11867), (84, 11936), (87, 11996), (88, 12011),

Gene: Juliette_21 Start: 12303, Stop: 13189, Start Num: 16

Candidate Starts for Juliette_21:

(Start: 16 @12303 has 18 MA's), (29, 12372), (35, 12447), (36, 12459), (39, 12525), (50, 12708), (59, 12792), (66, 12873), (70, 12918), (71, 12924), (74, 12963), (75, 12987), (87, 13143), (89, 13167),

Gene: Kareem_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Kareem_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Kasen3_15 Start: 10570, Stop: 11465, Start Num: 9

Candidate Starts for Kasen3_15:

(Start: 2 @10495 has 4 MA's), (3, 10525), (Start: 9 @10570 has 71 MA's), (35, 10756), (45, 10948), (50, 11020), (54, 11083), (55, 11092), (78, 11332),

Gene: Keshu_19 Start: 11346, Stop: 12184, Start Num: 18

Candidate Starts for Keshu_19:

(Start: 9 @11283 has 71 MA's), (Start: 18 @11346 has 113 MA's), (19, 11358), (35, 11463), (42, 11607), (44, 11634), (54, 11799), (62, 11850), (67, 11907),

Gene: KiSi_19 Start: 10161, Stop: 11002, Start Num: 18

Candidate Starts for KiSi_19:

(4, 10059), (6, 10086), (11, 10110), (Start: 18 @10161 has 113 MA's), (26, 10215), (44, 10464), (67, 10728), (88, 10980),

Gene: Kratio_17 Start: 10964, Stop: 11850, Start Num: 9

Candidate Starts for Kratio_17:

(Start: 9 @10964 has 71 MA's), (Start: 15 @11009 has 14 MA's), (31, 11093), (35, 11144), (39, 11225), (56, 11480), (59, 11492), (69, 11612), (74, 11663), (76, 11714), (82, 11744), (86, 11807),

Gene: Krueger_19 Start: 10147, Stop: 11051, Start Num: 9

Candidate Starts for Krueger_19:

(Start: 9 @10147 has 71 MA's), (Start: 18 @10210 has 113 MA's), (31, 10264), (35, 10318), (44, 10489), (62, 10699), (65, 10738), (67, 10756), (87, 10993), (88, 11008),

Gene: Larva_18 Start: 11076, Stop: 11962, Start Num: 9

Candidate Starts for Larva_18:

(Start: 9 @11076 has 71 MA's), (Start: 15 @11121 has 14 MA's), (31, 11205), (35, 11256), (39, 11337), (54, 11583), (59, 11604), (69, 11724), (74, 11775), (76, 11826), (81, 11853), (85, 11877), (86,

11919),

Gene: LastHope_19 Start: 10261, Stop: 11090, Start Num: 18

Candidate Starts for LastHope_19:

(Start: 9 @10195 has 71 MA's), (Start: 18 @10261 has 113 MA's), (31, 10309), (44, 10534), (54, 10690), (66, 10792), (74, 10882),

Gene: LaterM_20 Start: 11198, Stop: 12042, Start Num: 18

Candidate Starts for LaterM_20:

(Start: 5 @11120 has 2 MA's), (Start: 9 @11132 has 71 MA's), (Start: 18 @11198 has 113 MA's), (35, 11321), (44, 11492), (49, 11558), (54, 11648), (67, 11756), (71, 11801), (74, 11840), (84, 11933), (88, 12008),

Gene: LeMond_19 Start: 10232, Stop: 11073, Start Num: 18

Candidate Starts for LeMond_19:

(Start: 18 @10232 has 113 MA's), (26, 10286), (44, 10535), (67, 10799), (88, 11051),

Gene: Lemuria_15 Start: 9901, Stop: 10811, Start Num: 9

Candidate Starts for Lemuria_15:

(Start: 9 @9901 has 71 MA's), (22, 10003), (50, 10354), (61, 10456), (64, 10495),

Gene: Leston_18 Start: 11408, Stop: 12249, Start Num: 15

Candidate Starts for Leston_18:

(Start: 15 @11408 has 14 MA's), (31, 11492), (35, 11543), (42, 11687), (54, 11870), (75, 12086), (76, 12113), (81, 12140), (85, 12164),

Gene: Liefie_15 Start: 10568, Stop: 11463, Start Num: 9

Candidate Starts for Liefie_15:

(Start: 2 @10493 has 4 MA's), (3, 10523), (Start: 9 @10568 has 71 MA's), (35, 10754), (45, 10946), (50, 11018), (54, 11081), (55, 11090),

Gene: LilPharaoh_16 Start: 10504, Stop: 11327, Start Num: 17

Candidate Starts for LilPharaoh_16:

(Start: 17 @10504 has 8 MA's), (44, 10780), (54, 10936), (64, 11008), (66, 11038), (67, 11044), (74, 11128), (87, 11278),

Gene: LindNT_20 Start: 11196, Stop: 12046, Start Num: 18

Candidate Starts for LindNT_20:

(Start: 5 @11118 has 2 MA's), (Start: 9 @11130 has 71 MA's), (Start: 18 @11196 has 113 MA's), (30, 11256), (44, 11496), (49, 11562), (54, 11652), (66, 11754), (67, 11760), (71, 11805), (74, 11844), (75, 11868), (84, 11937), (88, 12012),

Gene: LouisV14_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for LouisV14_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Lunahalos_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Lunahalos_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: MOOREtheMARYer_15 Start: 10788, Stop: 11710, Start Num: 9

Candidate Starts for MOOREtheMARYer_15:

(Start: 2 @10719 has 4 MA's), (Start: 9 @10788 has 71 MA's), (24, 10923), (32, 10944), (40, 11097), (42, 11142), (49, 11235),

Gene: MacnCheese_20 Start: 11578, Stop: 12428, Start Num: 18

Candidate Starts for MacnCheese_20:

(Start: 5 @11497 has 2 MA's), (Start: 18 @11578 has 113 MA's), (35, 11707), (42, 11851), (45, 11899), (62, 12094), (67, 12151), (76, 12283),

Gene: Malthus_21 Start: 12354, Stop: 13234, Start Num: 16

Candidate Starts for Malthus_21:

(Start: 16 @12354 has 18 MA's), (33, 12453), (36, 12507), (39, 12573), (59, 12840), (66, 12921), (67, 12927), (70, 12966), (71, 12972), (74, 13011), (75, 13035), (89, 13215),

Gene: Marcoliusprime_16 Start: 9253, Stop: 10115, Start Num: 13

Candidate Starts for Marcoliusprime_16:

(Start: 9 @9196 has 71 MA's), (Start: 13 @9253 has 11 MA's), (28, 9325), (38, 9475), (39, 9481), (66, 9829), (90, 10102),

Gene: MarkPhew_20 Start: 10120, Stop: 10964, Start Num: 18

Candidate Starts for MarkPhew_20:

(Start: 18 @10120 has 113 MA's), (44, 10426), (45, 10447), (66, 10684), (67, 10690), (74, 10774),

Gene: Marmie_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Marmie_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Marshawn_21 Start: 10810, Stop: 11645, Start Num: 18

Candidate Starts for Marshawn_21:

(Start: 9 @10753 has 71 MA's), (Start: 18 @10810 has 113 MA's), (44, 11113), (54, 11269), (63, 11329), (66, 11371), (74, 11461), (75, 11485), (86, 11602),

Gene: Mdavu_16 Start: 10492, Stop: 11315, Start Num: 17

Candidate Starts for Mdavu_16:

(Start: 17 @10492 has 8 MA's), (44, 10768), (54, 10924), (64, 10996), (66, 11026), (67, 11032), (74, 11116), (87, 11266),

Gene: MeaningOfLife_20 Start: 11205, Stop: 12052, Start Num: 18

Candidate Starts for MeaningOfLife_20:

(Start: 5 @11127 has 2 MA's), (Start: 9 @11139 has 71 MA's), (Start: 18 @11205 has 113 MA's), (30, 11262), (37, 11379), (44, 11502), (49, 11568), (54, 11658), (64, 11730), (66, 11760), (67, 11766), (71, 11811), (74, 11850), (75, 11874), (84, 11943), (88, 12018),

Gene: Megsy_20 Start: 11199, Stop: 12049, Start Num: 18

Candidate Starts for Megsy_20:

(Start: 5 @11121 has 2 MA's), (Start: 9 @11133 has 71 MA's), (Start: 18 @11199 has 113 MA's), (30, 11259), (44, 11499), (49, 11565), (54, 11655), (66, 11757), (67, 11763), (71, 11808), (74, 11847), (75, 11871), (84, 11940), (88, 12015),

Gene: Mercurio_16 Start: 10548, Stop: 11458, Start Num: 9

Candidate Starts for Mercurio_16:

(Start: 9 @10548 has 71 MA's), (50, 11001), (61, 11103), (64, 11142),

Gene: Milly_16 Start: 9253, Stop: 10115, Start Num: 13

Candidate Starts for Milly_16:

(Start: 9 @9196 has 71 MA's), (Start: 13 @9253 has 11 MA's), (28, 9325), (38, 9475), (39, 9481), (66, 9829), (90, 10102),

Gene: MissDaisy_21 Start: 12205, Stop: 13085, Start Num: 16

Candidate Starts for MissDaisy_21:

(Start: 5 @12142 has 2 MA's), (Start: 16 @12205 has 18 MA's), (33, 12304), (36, 12358), (39, 12424), (59, 12691), (66, 12772), (70, 12817), (71, 12823), (75, 12886), (89, 13066),

Gene: Mitti_21 Start: 12354, Stop: 13234, Start Num: 16

Candidate Starts for Mitti_21:

(Start: 5 @12291 has 2 MA's), (Start: 16 @12354 has 18 MA's), (33, 12453), (36, 12507), (39, 12573), (59, 12840), (66, 12921), (70, 12966), (71, 12972), (75, 13035), (89, 13215),

Gene: Mowgli_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Mowgli_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Mufasa_16 Start: 9254, Stop: 10137, Start Num: 13

Candidate Starts for Mufasa_16:

(Start: 9 @9197 has 71 MA's), (Start: 13 @9254 has 11 MA's), (28, 9344), (38, 9497), (66, 9851),

Gene: Murucutumbu_20 Start: 11191, Stop: 12035, Start Num: 18

Candidate Starts for Murucutumbu_20:

(Start: 5 @11113 has 2 MA's), (Start: 9 @11125 has 71 MA's), (Start: 18 @11191 has 113 MA's), (35, 11314), (44, 11485), (49, 11551), (54, 11641), (67, 11749), (71, 11794), (74, 11833), (84, 11926), (88, 12001),

Gene: Mynx_20 Start: 11252, Stop: 12099, Start Num: 18

Candidate Starts for Mynx_20:

(Start: 5 @11174 has 2 MA's), (Start: 9 @11186 has 71 MA's), (Start: 18 @11252 has 113 MA's), (30, 11309), (37, 11426), (44, 11549), (49, 11615), (54, 11705), (64, 11777), (66, 11807), (67, 11813), (71, 11858), (74, 11897), (75, 11921), (84, 11990), (88, 12065),

Gene: Nibb_19 Start: 10272, Stop: 11113, Start Num: 18

Candidate Starts for Nibb_19:

(14, 10266), (Start: 18 @10272 has 113 MA's), (44, 10575), (45, 10596), (64, 10803), (66, 10833), (67, 10839), (74, 10923), (78, 10980),

Gene: Nikao_16 Start: 10504, Stop: 11327, Start Num: 17

Candidate Starts for Nikao_16:

(Start: 17 @10504 has 8 MA's), (44, 10780), (54, 10936), (64, 11008), (66, 11038), (67, 11044), (74, 11128), (87, 11278),

Gene: Niklas_20 Start: 10305, Stop: 11128, Start Num: 18

Candidate Starts for Niklas_20:

(Start: 5 @10227 has 2 MA's), (Start: 18 @10305 has 113 MA's), (25, 10332), (44, 10581), (54, 10737), (62, 10788), (67, 10845), (70, 10884), (74, 10929), (75, 10953),

Gene: Nutello_16 Start: 10504, Stop: 11327, Start Num: 17

Candidate Starts for Nutello_16:

(Start: 17 @10504 has 8 MA's), (44, 10780), (54, 10936), (64, 11008), (66, 11038), (67, 11044), (74, 11128), (87, 11278),

Gene: OctaviousRex_14 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for OctaviousRex_14:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: OkiRoe_18 Start: 11278, Stop: 12119, Start Num: 15

Candidate Starts for OkiRoe_18:

(Start: 15 @11278 has 14 MA's), (31, 11362), (35, 11413), (42, 11557), (54, 11740), (75, 11956), (76, 11983), (81, 12010), (85, 12034),

Gene: Olga_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Olga_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: OmniCritical_21 Start: 12342, Stop: 13222, Start Num: 16

Candidate Starts for OmniCritical_21:

(7, 12282), (Start: 16 @12342 has 18 MA's), (33, 12441), (36, 12495), (39, 12561), (59, 12828), (66, 12909), (70, 12954), (71, 12960), (75, 13023), (89, 13203),

Gene: Omnicron_17 Start: 10271, Stop: 11151, Start Num: 9

Candidate Starts for Omnicron_17:

(Start: 9 @10271 has 71 MA's), (Start: 15 @10316 has 14 MA's), (35, 10448), (39, 10529), (59, 10796), (62, 10826), (66, 10877), (69, 10916), (71, 10928), (72, 10931), (74, 10967), (76, 11018), (79, 11036), (81, 11042), (82, 11045), (85, 11066),

Gene: Oscar_19 Start: 10233, Stop: 11074, Start Num: 18

Candidate Starts for Oscar_19:

(Start: 18 @10233 has 113 MA's), (44, 10536), (66, 10794), (67, 10800), (88, 11052),

Gene: Padfoot_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Padfoot_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: Padpat_20 Start: 11229, Stop: 12076, Start Num: 18

Candidate Starts for Padpat_20:

(Start: 5 @11151 has 2 MA's), (Start: 9 @11163 has 71 MA's), (Start: 18 @11229 has 113 MA's), (30, 11286), (37, 11403), (44, 11526), (49, 11592), (54, 11682), (64, 11754), (67, 11790), (71, 11835), (74, 11874), (75, 11898), (84, 11967), (88, 12042),

Gene: Paito_15 Start: 10684, Stop: 11582, Start Num: 9

Candidate Starts for Paito_15:

(Start: 9 @10684 has 71 MA's), (35, 10873), (38, 10948), (40, 10972), (44, 11044), (50, 11137), (54, 11200),

Gene: Paola_18 Start: 11278, Stop: 12119, Start Num: 15

Candidate Starts for Paola_18:

(Start: 15 @11278 has 14 MA's), (31, 11362), (35, 11413), (42, 11557), (54, 11740), (75, 11956), (76, 11983), (81, 12010),

Gene: Patt_20 Start: 12181, Stop: 13061, Start Num: 16

Candidate Starts for Patt_20:

(Start: 5 @12118 has 2 MA's), (Start: 16 @12181 has 18 MA's), (33, 12280), (36, 12334), (39, 12400), (59, 12667), (66, 12748), (70, 12793), (71, 12799), (75, 12862), (89, 13042),

Gene: Peanam_20 Start: 10227, Stop: 11128, Start Num: 5

Candidate Starts for Peanam_20:

(Start: 5 @10227 has 2 MA's), (Start: 18 @10305 has 113 MA's), (25, 10332), (44, 10581), (54, 10737), (62, 10788), (67, 10845), (70, 10884), (74, 10929), (75, 10953),

Gene: Peeb_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Peeb_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Peel_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Peel_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: Periodt_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Periodt_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Pharb_19 Start: 11150, Stop: 12009, Start Num: 18

Candidate Starts for Pharb_19:

(Start: 18 @11150 has 113 MA's), (19, 11162), (35, 11288), (42, 11432), (44, 11459), (45, 11480), (54, 11624), (62, 11675), (67, 11732), (69, 11765), (87, 11966),

Gene: PhelpsODU_19 Start: 10279, Stop: 11123, Start Num: 16

Candidate Starts for PhelpsODU_19:

(Start: 5 @10207 has 2 MA's), (Start: 16 @10279 has 18 MA's), (25, 10312), (35, 10390), (44, 10561), (66, 10819), (67, 10825), (73, 10885), (74, 10909), (87, 11062), (88, 11077),

Gene: Phish_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Phish_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Phrank_19 Start: 10230, Stop: 11071, Start Num: 18

Candidate Starts for Phrank_19:

(Start: 9 @10164 has 71 MA's), (Start: 18 @10230 has 113 MA's), (25, 10263), (35, 10341), (44, 10512), (66, 10770), (67, 10776), (73, 10836), (74, 10860), (87, 11013), (88, 11028),

Gene: Phreak_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Phreak_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Piatt_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Piatt_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: PinkYoshi_15 Start: 10560, Stop: 11455, Start Num: 9

Candidate Starts for PinkYoshi_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10560 has 71 MA's), (35, 10746), (45, 10938), (50, 11010), (54, 11073), (55, 11082), (78, 11322),

Gene: Pinnie_16 Start: 11257, Stop: 12158, Start Num: 9

Candidate Starts for Pinnie_16:

(Start: 2 @11185 has 4 MA's), (Start: 9 @11257 has 71 MA's), (38, 11521), (40, 11545), (49, 11683),

Gene: Pixie_18 Start: 11101, Stop: 11945, Start Num: 18

Candidate Starts for Pixie_18:

(Start: 9 @11038 has 71 MA's), (Start: 18 @11101 has 113 MA's), (20, 11119), (35, 11224), (42, 11368), (44, 11395), (45, 11416), (54, 11560), (62, 11611), (67, 11668), (76, 11800),

Gene: Plagueis_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Plagueis_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Pokerus_19 Start: 11186, Stop: 12033, Start Num: 18

Candidate Starts for Pokerus_19:

(Start: 5 @11108 has 2 MA's), (Start: 9 @11120 has 71 MA's), (Start: 18 @11186 has 113 MA's), (30, 11243), (44, 11483), (49, 11549), (54, 11639), (64, 11711), (67, 11747), (71, 11792), (74, 11831), (75, 11855), (84, 11924), (88, 11999),

Gene: Prithvi_20 Start: 11196, Stop: 12046, Start Num: 18

Candidate Starts for Prithvi_20:

(Start: 5 @11118 has 2 MA's), (Start: 9 @11130 has 71 MA's), (Start: 18 @11196 has 113 MA's), (30, 11256), (44, 11496), (49, 11562), (54, 11652), (66, 11754), (67, 11760), (71, 11805), (74, 11844), (75, 11868), (84, 11937), (88, 12012),

Gene: Psycho_18 Start: 11206, Stop: 12092, Start Num: 9

Candidate Starts for Psycho_18:

(Start: 9 @11206 has 71 MA's), (Start: 15 @11251 has 14 MA's), (31, 11335), (35, 11386), (39, 11467), (54, 11713), (59, 11734), (69, 11854), (74, 11905), (76, 11956), (81, 11983), (85, 12007), (86, 12049),

Gene: QuincyRose_19 Start: 11249, Stop: 12096, Start Num: 18

Candidate Starts for QuincyRose_19:

(Start: 5 @11171 has 2 MA's), (Start: 9 @11183 has 71 MA's), (Start: 18 @11249 has 113 MA's), (30, 11306), (44, 11546), (49, 11612), (54, 11702), (64, 11774), (66, 11804), (67, 11810), (71, 11855), (74, 11894), (75, 11918), (84, 11987), (88, 12062),

Gene: Rabbs_15 Start: 10556, Stop: 11454, Start Num: 9

Candidate Starts for Rabbs_15:

(Start: 9 @10556 has 71 MA's), (38, 10820), (50, 11009), (54, 11072), (55, 11081),

Gene: Ramen_20 Start: 11232, Stop: 12079, Start Num: 18

Candidate Starts for Ramen_20:

(Start: 5 @11154 has 2 MA's), (Start: 9 @11166 has 71 MA's), (Start: 18 @11232 has 113 MA's), (30, 11289), (37, 11406), (44, 11529), (49, 11595), (54, 11685), (64, 11757), (67, 11793), (71, 11838), (74, 11877), (75, 11901), (84, 11970), (88, 12045),

Gene: Rapunzel97_20 Start: 11233, Stop: 12080, Start Num: 18

Candidate Starts for Rapunzel97_20:

(Start: 5 @11155 has 2 MA's), (Start: 9 @11167 has 71 MA's), (Start: 18 @11233 has 113 MA's), (30, 11290), (37, 11407), (44, 11530), (49, 11596), (54, 11686), (64, 11758), (67, 11794), (71, 11839), (74, 11878), (75, 11902), (84, 11971), (88, 12046),

Gene: Remy19_15 Start: 10494, Stop: 11464, Start Num: 2

Candidate Starts for Remy19_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Renaissance_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Renaissance_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Reptar3000_21 Start: 12183, Stop: 13063, Start Num: 16

Candidate Starts for Reptar3000_21:

(Start: 5 @12120 has 2 MA's), (Start: 16 @12183 has 18 MA's), (33, 12282), (36, 12336), (39, 12402), (59, 12669), (66, 12750), (70, 12795), (71, 12801), (75, 12864), (89, 13044),

Gene: Rosmarinus_20 Start: 11257, Stop: 12104, Start Num: 18

Candidate Starts for Rosmarinus_20:

(Start: 5 @11179 has 2 MA's), (Start: 9 @11191 has 71 MA's), (Start: 18 @11257 has 113 MA's), (30, 11314), (37, 11431), (44, 11554), (49, 11620), (54, 11710), (64, 11782), (67, 11818), (71, 11863), (74, 11902), (75, 11926), (84, 11995), (88, 12070),

Gene: SamScheppers_19 Start: 11957, Stop: 12837, Start Num: 16

Candidate Starts for SamScheppers_19:

(Start: 5 @11894 has 2 MA's), (Start: 16 @11957 has 18 MA's), (33, 12056), (36, 12110), (39, 12176), (59, 12443), (66, 12524), (70, 12569), (71, 12575), (75, 12638), (89, 12818),

Gene: SamuelLPlaqson_20 Start: 11173, Stop: 12023, Start Num: 18

Candidate Starts for SamuelLPlaqson_20:

(Start: 5 @11095 has 2 MA's), (Start: 9 @11107 has 71 MA's), (12, 11134), (Start: 18 @11173 has 113 MA's), (44, 11473), (49, 11539), (54, 11629), (67, 11737), (71, 11782), (74, 11821), (75, 11845), (84, 11914), (88, 11989),

Gene: Scarlett_19 Start: 10232, Stop: 11073, Start Num: 18

Candidate Starts for Scarlett_19:

(Start: 18 @10232 has 113 MA's), (26, 10286), (44, 10535), (67, 10799), (88, 11051),

Gene: Schiebel_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Schiebel_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: SgtBeansprout_16 Start: 10504, Stop: 11327, Start Num: 17

Candidate Starts for SgtBeansprout_16:

(Start: 17 @10504 has 8 MA's), (44, 10780), (54, 10936), (64, 11008), (66, 11038), (67, 11044), (74, 11128), (87, 11278),

Gene: ShaboiShabazz_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for ShaboiShabazz_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),

Gene: Shadow1_18 Start: 10121, Stop: 10962, Start Num: 18

Candidate Starts for Shadow1_18:

(Start: 18 @10121 has 113 MA's), (31, 10175), (35, 10229), (44, 10400), (62, 10610), (65, 10649), (66, 10661), (67, 10667), (87, 10904), (88, 10919),

Gene: Shaobing_20 Start: 10305, Stop: 11128, Start Num: 18

Candidate Starts for Shaobing_20:

(Start: 5 @10227 has 2 MA's), (Start: 18 @10305 has 113 MA's), (25, 10332), (44, 10581), (54, 10737), (62, 10788), (67, 10845), (70, 10884), (74, 10929), (75, 10953),

Gene: ShedlockHolmes_19 Start: 11349, Stop: 12193, Start Num: 18

Candidate Starts for ShedlockHolmes_19:

(Start: 9 @11286 has 71 MA's), (Start: 18 @11349 has 113 MA's), (20, 11367), (35, 11472), (42, 11616), (44, 11643), (45, 11664), (54, 11808), (62, 11859), (67, 11916), (76, 12048),

Gene: ShiaSurprise_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for ShiaSurprise_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: SirPhilip_19 Start: 10000, Stop: 10844, Start Num: 18

Candidate Starts for SirPhilip_19:

(Start: 5 @9922 has 2 MA's), (Start: 18 @10000 has 113 MA's), (35, 10135), (44, 10306), (46, 10333), (54, 10462), (66, 10564), (67, 10570), (74, 10654), (80, 10726),

Gene: Sizemore_15 Start: 10570, Stop: 11465, Start Num: 9

Candidate Starts for Sizemore_15:

(Start: 2 @10495 has 4 MA's), (3, 10525), (Start: 9 @10570 has 71 MA's), (35, 10756), (45, 10948), (50, 11020), (54, 11083), (55, 11092), (78, 11332),

Gene: Slarp_20 Start: 12441, Stop: 13321, Start Num: 16

Candidate Starts for Slarp_20:

(Start: 5 @12378 has 2 MA's), (Start: 16 @12441 has 18 MA's), (33, 12540), (36, 12594), (39, 12660), (59, 12927), (66, 13008), (70, 13053), (71, 13059), (75, 13122), (89, 13302),

Gene: Slimphazie_20 Start: 11233, Stop: 12080, Start Num: 18

Candidate Starts for Slimphazie_20:

(Start: 5 @11155 has 2 MA's), (Start: 9 @11167 has 71 MA's), (Start: 18 @11233 has 113 MA's), (30, 11290), (37, 11407), (44, 11530), (49, 11596), (54, 11686), (64, 11758), (67, 11794), (71, 11839), (74,

11878), (75, 11902), (84, 11971), (88, 12046),

Gene: Sneeze_15 Start: 10555, Stop: 11453, Start Num: 9

Candidate Starts for Sneeze_15:

(Start: 9 @10555 has 71 MA's), (38, 10819), (50, 11008), (54, 11071), (55, 11080),

Gene: SoSeph_18 Start: 11405, Stop: 12246, Start Num: 15

Candidate Starts for SoSeph_18:

(Start: 15 @11405 has 14 MA's), (31, 11489), (35, 11540), (42, 11684), (54, 11867), (69, 12008), (74, 12059), (76, 12110), (81, 12137), (82, 12140), (86, 12203),

Gene: Spock_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Spock_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: Stinson_20 Start: 11203, Stop: 12047, Start Num: 18

Candidate Starts for Stinson_20:

(Start: 5 @11125 has 2 MA's), (Start: 9 @11137 has 71 MA's), (Start: 18 @11203 has 113 MA's), (35, 11326), (44, 11497), (49, 11563), (54, 11653), (66, 11755), (67, 11761), (71, 11806), (74, 11845), (84, 11938), (88, 12013),

Gene: Strobilo_16 Start: 9253, Stop: 10115, Start Num: 13

Candidate Starts for Strobilo_16:

(Start: 9 @9196 has 71 MA's), (Start: 13 @9253 has 11 MA's), (28, 9325), (38, 9475), (39, 9481), (66, 9829), (90, 10102),

Gene: Sulley_20 Start: 11202, Stop: 12049, Start Num: 18

Candidate Starts for Sulley_20:

(Start: 5 @11124 has 2 MA's), (Start: 9 @11136 has 71 MA's), (Start: 18 @11202 has 113 MA's), (30, 11259), (44, 11499), (49, 11565), (54, 11655), (64, 11727), (67, 11763), (71, 11808), (74, 11847), (75, 11871), (84, 11940), (88, 12015),

Gene: Sunflower1121_18 Start: 10132, Stop: 10973, Start Num: 18

Candidate Starts for Sunflower1121_18:

(Start: 18 @10132 has 113 MA's), (31, 10186), (35, 10240), (44, 10411), (62, 10621), (65, 10660), (67, 10678), (87, 10915),

Gene: Sweets_15 Start: 10564, Stop: 11459, Start Num: 9

Candidate Starts for Sweets_15:

(Start: 2 @10489 has 4 MA's), (3, 10519), (Start: 9 @10564 has 71 MA's), (35, 10750), (45, 10942), (50, 11014), (54, 11077), (55, 11086), (78, 11326),

Gene: Syra333_19 Start: 10227, Stop: 11068, Start Num: 18

Candidate Starts for Syra333_19:

(Start: 9 @10164 has 71 MA's), (Start: 18 @10227 has 113 MA's), (31, 10281), (35, 10335), (44, 10506), (62, 10716), (65, 10755), (67, 10773), (87, 11010), (88, 11025),

Gene: TBond007_19 Start: 11100, Stop: 11944, Start Num: 18

Candidate Starts for TBond007_19:

(Start: 9 @11037 has 71 MA's), (Start: 18 @11100 has 113 MA's), (20, 11118), (35, 11223), (42, 11367), (44, 11394), (45, 11415), (54, 11559), (62, 11610), (67, 11667), (76, 11799),

Gene: TM4_16 Start: 9314, Stop: 10236, Start Num: 13

Candidate Starts for TM4_16:

(Start: 13 @9314 has 11 MA's), (28, 9383), (38, 9536), (66, 9890), (92, 10184),

Gene: Tachez_20 Start: 11195, Stop: 12042, Start Num: 18

Candidate Starts for Tachez_20:

(Start: 5 @11117 has 2 MA's), (Start: 9 @11129 has 71 MA's), (Start: 18 @11195 has 113 MA's), (30, 11252), (37, 11369), (44, 11492), (49, 11558), (54, 11648), (64, 11720), (67, 11756), (71, 11801), (74, 11840), (75, 11864), (84, 11933), (88, 12008),

Gene: Taheera_15 Start: 10568, Stop: 11466, Start Num: 9

Candidate Starts for Taheera_15:

(Start: 9 @10568 has 71 MA's), (38, 10832), (50, 11021), (54, 11084),

Gene: Taquito_19 Start: 12025, Stop: 12911, Start Num: 16

Candidate Starts for Taquito_19:

(Start: 16 @12025 has 18 MA's), (29, 12094), (35, 12169), (36, 12181), (39, 12247), (50, 12430), (59, 12514), (66, 12595), (70, 12640), (71, 12646), (74, 12685), (75, 12709), (87, 12865), (89, 12889),

Gene: Terror_15 Start: 10568, Stop: 11466, Start Num: 9

Candidate Starts for Terror_15:

(Start: 9 @10568 has 71 MA's), (38, 10832), (50, 11021), (54, 11084),

Gene: Thyatira_18 Start: 11277, Stop: 12118, Start Num: 15

Candidate Starts for Thyatira_18:

(Start: 15 @11277 has 14 MA's), (30, 11349), (31, 11361), (35, 11412), (42, 11556), (54, 11739), (75, 11955), (76, 11982), (81, 12009),

Gene: Tierra_19 Start: 10951, Stop: 11792, Start Num: 18

Candidate Starts for Tierra_19:

(Start: 9 @10885 has 71 MA's), (Start: 18 @10951 has 113 MA's), (25, 10984), (35, 11062), (44, 11233), (66, 11491), (67, 11497), (73, 11557), (74, 11581), (87, 11734), (88, 11749),

Gene: TiniBug_20 Start: 11173, Stop: 12023, Start Num: 18

Candidate Starts for TiniBug_20:

(Start: 5 @11095 has 2 MA's), (Start: 9 @11107 has 71 MA's), (12, 11134), (Start: 18 @11173 has 113 MA's), (44, 11473), (49, 11539), (54, 11629), (67, 11737), (71, 11782), (74, 11821), (75, 11845), (84, 11914), (88, 11989),

Gene: Tiri_20 Start: 11241, Stop: 12088, Start Num: 18

Candidate Starts for Tiri_20:

(Start: 5 @11163 has 2 MA's), (Start: 9 @11175 has 71 MA's), (Start: 18 @11241 has 113 MA's), (30, 11298), (44, 11538), (49, 11604), (54, 11694), (64, 11766), (67, 11802), (71, 11847), (74, 11886), (75, 11910), (84, 11979),

Gene: TomBrady_15 Start: 10570, Stop: 11465, Start Num: 9

Candidate Starts for TomBrady_15:

(Start: 2 @10495 has 4 MA's), (3, 10525), (Start: 9 @10570 has 71 MA's), (35, 10756), (45, 10948), (50, 11020), (54, 11083), (55, 11092), (78, 11332),

Gene: Topper_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Topper_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: TreyKay_20 Start: 11196, Stop: 12046, Start Num: 18

Candidate Starts for TreyKay_20:

(Start: 5 @11118 has 2 MA's), (Start: 9 @11130 has 71 MA's), (Start: 18 @11196 has 113 MA's), (30, 11256), (44, 11496), (49, 11562), (54, 11652), (66, 11754), (67, 11760), (71, 11805), (74, 11844), (75, 11868), (84, 11937), (88, 12012),

Gene: TribelTrouble_18 Start: 11167, Stop: 12002, Start Num: 18

Candidate Starts for TribelTrouble_18:

(Start: 18 @11167 has 113 MA's), (35, 11281), (42, 11425), (43, 11443), (44, 11452), (45, 11473), (62, 11668), (67, 11725),

Gene: TruffulaTree_20 Start: 11229, Stop: 12076, Start Num: 18

Candidate Starts for TruffulaTree_20:

(Start: 5 @11151 has 2 MA's), (Start: 9 @11163 has 71 MA's), (Start: 18 @11229 has 113 MA's), (30, 11286), (37, 11403), (44, 11526), (49, 11592), (54, 11682), (64, 11754), (67, 11790), (71, 11835), (74, 11874), (75, 11898), (84, 11967), (88, 12042),

Gene: Twitch_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Twitch_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: Unicorn_19 Start: 10279, Stop: 11123, Start Num: 16

Candidate Starts for Unicorn_19:

(Start: 5 @10207 has 2 MA's), (Start: 16 @10279 has 18 MA's), (25, 10312), (35, 10390), (44, 10561), (66, 10819), (67, 10825), (73, 10885), (74, 10909), (87, 11062), (88, 11077),

Gene: Urkel_20 Start: 11173, Stop: 12023, Start Num: 18

Candidate Starts for Urkel_20:

(Start: 5 @11095 has 2 MA's), (Start: 9 @11107 has 71 MA's), (12, 11134), (Start: 18 @11173 has 113 MA's), (44, 11473), (49, 11539), (54, 11629), (67, 11737), (71, 11782), (74, 11821), (75, 11845), (84, 11914), (88, 11989),

Gene: Validus_20 Start: 10149, Stop: 11056, Start Num: 5

Candidate Starts for Validus_20:

(Start: 5 @10149 has 2 MA's), (Start: 18 @10230 has 113 MA's), (25, 10254), (34, 10293), (44, 10503), (54, 10659), (64, 10731), (67, 10767), (74, 10851), (75, 10875),

Gene: Veliki_20 Start: 11269, Stop: 12116, Start Num: 18

Candidate Starts for Veliki_20:

(Start: 5 @11191 has 2 MA's), (Start: 9 @11203 has 71 MA's), (Start: 18 @11269 has 113 MA's), (30, 11326), (37, 11443), (44, 11566), (49, 11632), (54, 11722), (64, 11794), (67, 11830), (71, 11875), (74, 11914), (75, 11938), (84, 12007), (88, 12082),

Gene: Waterfoul_18 Start: 11299, Stop: 12140, Start Num: 15

Candidate Starts for Waterfoul_18:

(Start: 15 @11299 has 14 MA's), (30, 11371), (31, 11383), (35, 11434), (42, 11578), (54, 11761), (75, 11977), (76, 12004), (81, 12031),

Gene: Wintermute_21 Start: 12430, Stop: 13310, Start Num: 16

Candidate Starts for Wintermute_21:

(Start: 5 @12367 has 2 MA's), (Start: 16 @12430 has 18 MA's), (33, 12529), (36, 12583), (39, 12649), (59, 12916), (66, 12997), (70, 13042), (71, 13048), (75, 13111), (89, 13291),

Gene: Ximenita_20 Start: 10406, Stop: 11247, Start Num: 18

Candidate Starts for Ximenita_20:

(Start: 18 @10406 has 113 MA's), (25, 10436), (31, 10460), (35, 10514), (44, 10685), (62, 10895), (65, 10934), (66, 10946), (67, 10952), (74, 11036), (87, 11189), (88, 11204),

Gene: YoureAdopted_19 Start: 11202, Stop: 12049, Start Num: 18

Candidate Starts for YoureAdopted_19:

(Start: 5 @11124 has 2 MA's), (Start: 9 @11136 has 71 MA's), (Start: 18 @11202 has 113 MA's), (30, 11259), (37, 11376), (44, 11499), (49, 11565), (54, 11655), (64, 11727), (67, 11763), (71, 11808), (74, 11847), (75, 11871), (84, 11940), (88, 12015),

Gene: Yuna_20 Start: 10337, Stop: 11187, Start Num: 18

Candidate Starts for Yuna_20:

(Start: 18 @10337 has 113 MA's), (35, 10472), (44, 10643), (51, 10763), (54, 10799), (60, 10826), (62, 10850), (77, 11045),

Gene: Yunkel11_20 Start: 10187, Stop: 11016, Start Num: 18

Candidate Starts for Yunkel11_20:

(Start: 9 @10121 has 71 MA's), (Start: 18 @10187 has 113 MA's), (25, 10211), (31, 10235), (44, 10460), (54, 10616), (62, 10667), (66, 10718), (70, 10763), (74, 10808),

Gene: Zavala_20 Start: 11210, Stop: 12057, Start Num: 18

Candidate Starts for Zavala_20:

(Start: 5 @11132 has 2 MA's), (Start: 9 @11144 has 71 MA's), (Start: 18 @11210 has 113 MA's), (30, 11267), (37, 11384), (44, 11507), (49, 11573), (54, 11663), (64, 11735), (66, 11765), (67, 11771), (71, 11816), (74, 11855), (75, 11879), (84, 11948), (88, 12023),

Gene: ZoeJ_16 Start: 9211, Stop: 10076, Start Num: 13

Candidate Starts for ZoeJ_16:

(Start: 9 @9154 has 71 MA's), (10, 9166), (Start: 13 @9211 has 11 MA's), (28, 9283), (38, 9436), (66, 9790), (75, 9904), (76, 9931),

Gene: Zombie_15 Start: 10569, Stop: 11464, Start Num: 9

Candidate Starts for Zombie_15:

(Start: 2 @10494 has 4 MA's), (3, 10524), (Start: 9 @10569 has 71 MA's), (35, 10755), (45, 10947), (50, 11019), (54, 11082), (55, 11091), (78, 11331),