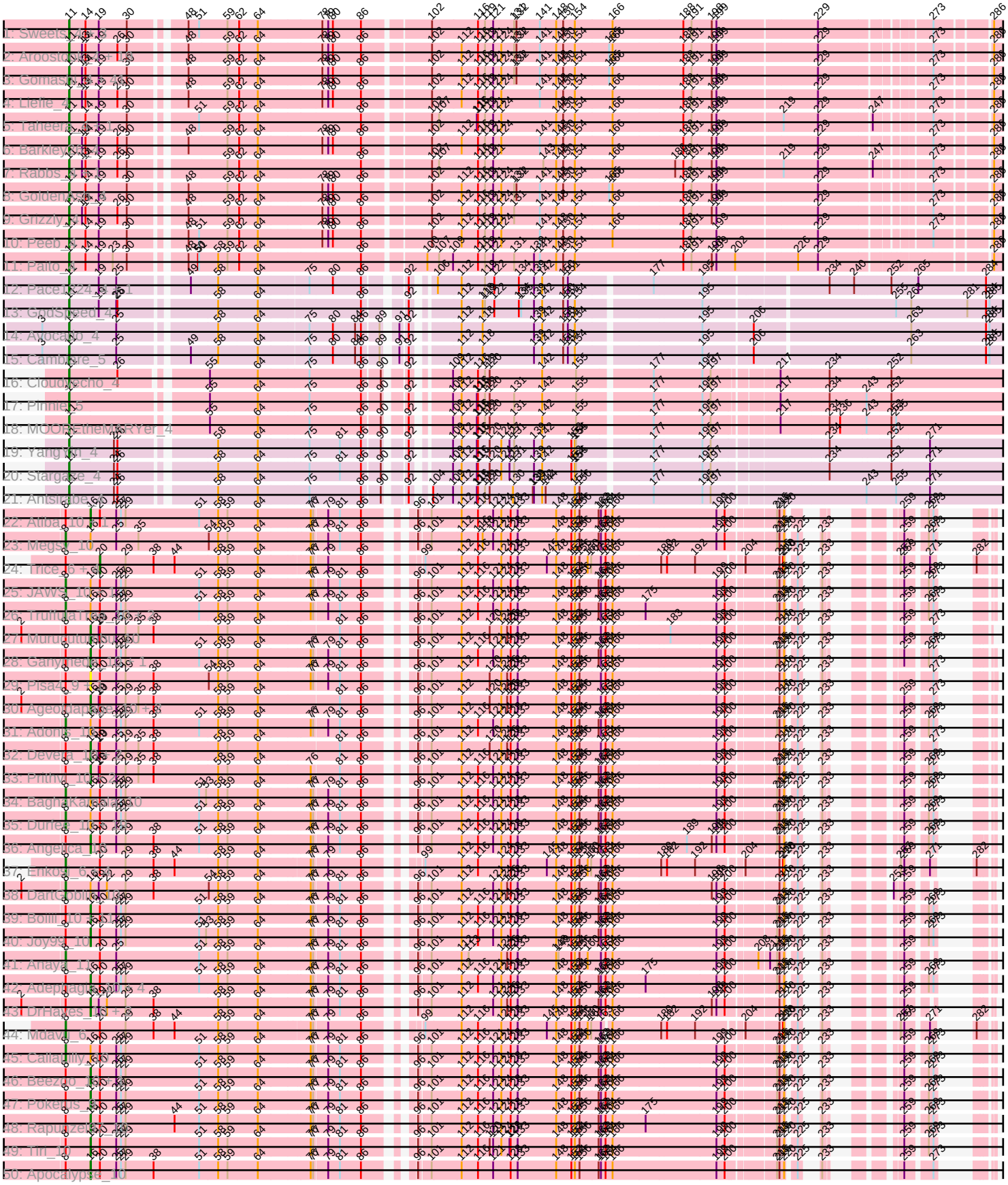
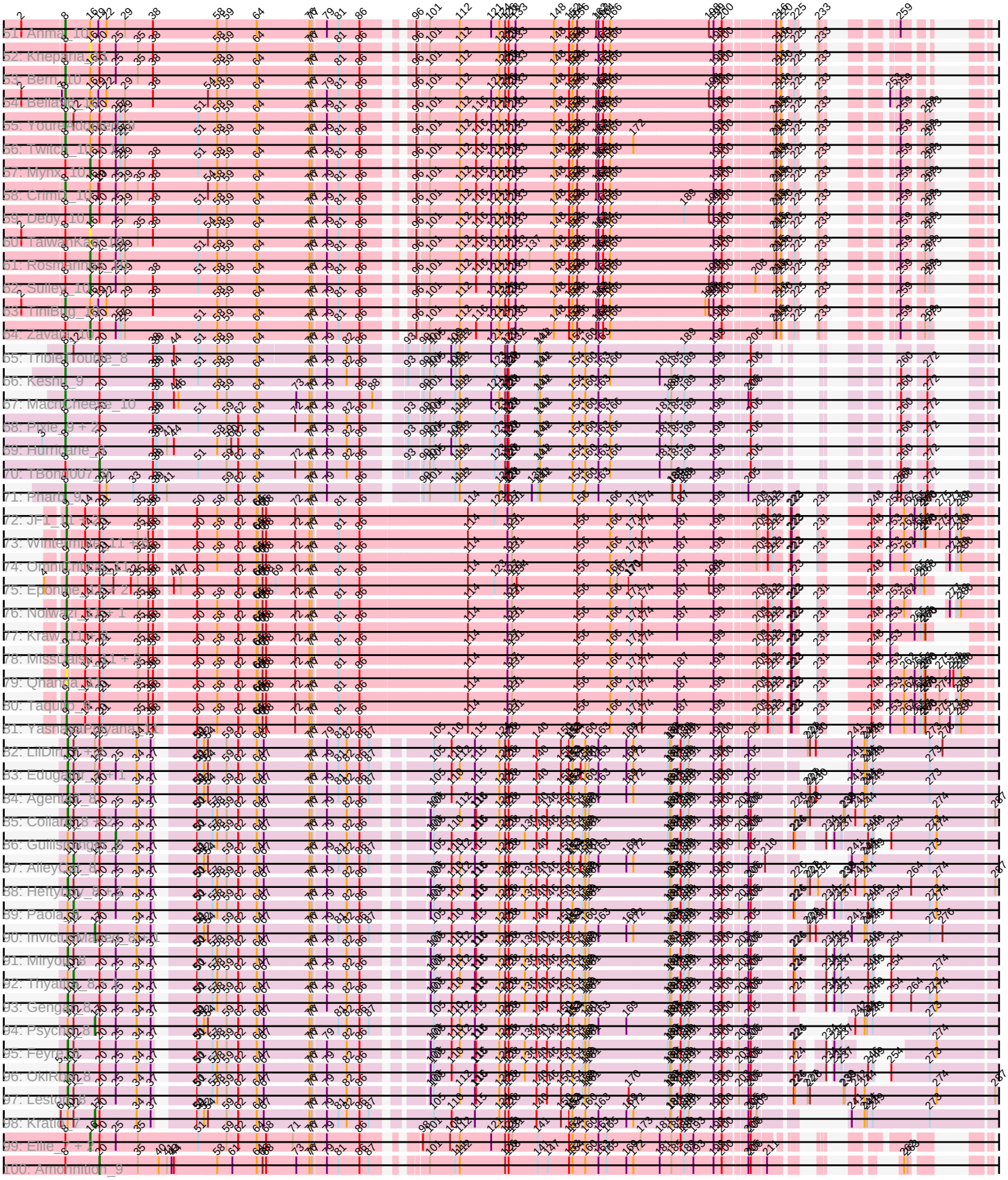
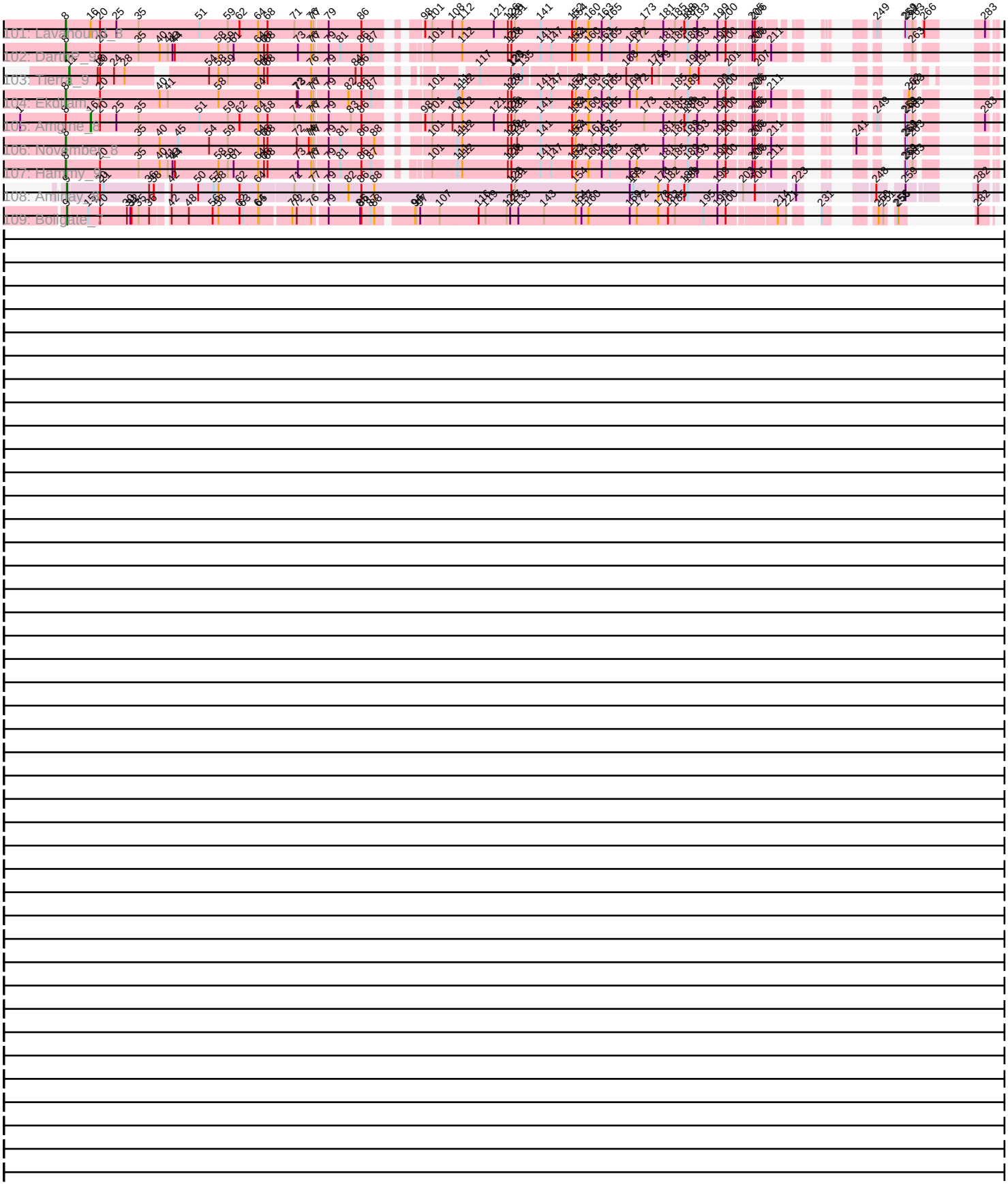
# Zoomed Pham 347207



# Zoomed Pham 347207



# Zoomed Pham 347207



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 347207 Report

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

Pham number 347207 has 261 members, 18 are drafts.

Phages represented in each track:
• Track 1 : Sweets_4, Halo_4, TinaBug_4, ForeverHowLong_4
• Track 2 : Aroostook_4, Periodt_4, Primanti_4, Phloodle_4, Sizemore_4, Angel_4, BruceB_4, ECartman_4, Schiebel_4, Jolene_4, DingDing_4, Jonghyun_4, MZKinsey_4, Rattrick_4, Chance64_4, ZoMa_4, Kasen3_4, Plagueis_4, Remy19_4, Richarlison_4
• Track 3 : Gomashi_4, ShaboiShabazz_4, Cherrybomb426_4, AzulaCat_4, Crespo_4, Darionha_4, Ruriko_4, Maliketh_4, Gideon_4, LouisV14_4, Hope_4, Jeilious_4, Camri_4, Frosty24_4, Phish_4, Avrafan_4, Jane_4, TomBrady_4, Zombie_4, AizenPogi_4, BPs_4, OctaviousRex_4, Phreak_4, Mowgli_4, Annihilator_4, Hotshotbaby7_4, Renaissance_4, Neoh_4, PinkYoshi_4, JorRay_4, CLED96_4, Cedasite_4, Wendigo_4, Kareem_4, Terralys_4, CassieYates_4, DNAIII_004, DMoney_4, Coleslaw_4, Olga_4, BQuat_4, Marmie_4
• Track 4 : Liefie_4
• Track 5 : Taheera_4, Terror_4
• Track 6 : Barkley26_4
• Track 7 : Rabbs_4, Sneeze_4
• Track 8 : GoldenAsh_4
• Track 9 : Grizzly_4
• Track 10 : Peeb_4
• Track 11 : Paito_4
• Track 12 : Pace1224_4, FlagStaff_4
• Track 13 : GodSpeed_4
• Track 14 : Avocado_4
• Track 15 : Cambiare_5
• Track 16 : Cloudyecho_4
• Track 17 : Pinnie_5
• Track 18 : MOOREtheMARYer_4
• Track 19 : YangYin_4
• Track 20 : Stargaze_4
• Track 21 : Antsirabe_4
• Track 22 : Atiba_10, Tachez_10
• Track 23 : Megsy_10
• Track 24 : Trice_6, Teejan_6, Nikao_6, SgtBeansprout_6, LilPharaoh_6
• Track 25 : JAWS_10, MeaningOfLife_10
• Track 26 : TruffulaTree_10, Zabiza_10, Jayhawk_10
• Track 27 : Murucutumbu_10
• Track 28 : Ganymede_10, QuincyRose_9

• Track 29 : Pisa4_9, Pisa1_9
• Track 30 : Ageofdapage_10, LaterM_10, Stinson_10
• Track 31 : Adonis_10
• Track 32 : Devera_10, Illumine_10, Dole_10
• Track 33 : Prithvi_10, LindNT_10, TreyKay_10
• Track 34 : BaghaKamala_10
• Track 35 : Durfee_10, BarrelRoll_10, Blizzard_10, Homura_10, Clipper_10, CREW_10, Capricorn_10, MacKat_10, CheetoDust_10, Belladonna_10, Piatt_10, Veliki_10, Dalmuri_10, Jarvi_10, BGlluviae_10, Asayake_10, Padfoot_10, Inky_10, Hyperbowlee_10, Spock_10
• Track 36 : Angelica_10
• Track 37 : Enkosi_6, Biglebops_6, Torres_6, Nutello_6, Amelie_6
• Track 38 : DartGoblin_10
• Track 39 : Boiiii_10, AlishaPH_10, CaseJules_10, Topper_10, ShiaSurprise_10, Lunahalos_10, Emerson_10, Lokum_10, Jeckyll_10, BEEST_10, Padpat_10, Llorens_10
• Track 40 : Joy99_10
• Track 41 : Anaya_11
• Track 42 : Adephagia_10, HedwigODU_10, Slimphazie_10, Ramen_10, ActinUp_10
• Track 43 : DrHayes_10, Urkel_10, SamuelLPlaqson_10
• Track 44 : Mdavu_6
• Track 45 : CallaLilly_10
• Track 46 : Beezoo_10, Geraldini_10
• Track 47 : Pokerus_9
• Track 48 : Rapunzel97_10
• Track 49 : Tiri_10
• Track 50 : Apocalypse_10
• Track 51 : Anma_10
• Track 52 : Kheparia_11
• Track 53 : Bern_10
• Track 54 : Bella96_10
• Track 55 : YoureAdopted_9
• Track 56 : Twitch_10, Peel_10
• Track 57 : Mynx_10
• Track 58 : CrimD_10
• Track 59 : Deby_10
• Track 60 : TaiwanKao_10
• Track 61 : Rosmarinus_10
• Track 62 : Sulley_10
• Track 63 : TiniBug_10
• Track 64 : Zavala_10
• Track 65 : TribleTrouble_8
• Track 66 : Keshu_9
• Track 67 : MacnCheese_10
• Track 68 : Pixie_9, ShedlockHolmes_9, Lea83_9
• Track 69 : Hurricane_9
• Track 70 : TBond007_9
• Track 71 : Pharb_9
• Track 72 : JF1_11, Y10_11, Y2_11
• Track 73 : Wintermute_11, Chancellor_11, Cheetobro_11, Lebo14_11, Slarp_11, DanSyl44_11, Fionnbharth_11
• Track 74 : OmniCritical_11
• Track 75 : Eponine_11, Juliette_11, Ruthiejr_10

• Track 76 : Nolwazi_11, Mitti_11
• Track 77 : Kraw_11, SamScheppers_9, Malthus_11
• Track 78 : MissDaisy_11, Bobquesha_11, Patt_11, Reptar3000_11
• Track 79 : Qhanda_11
• Track 80 : Taquito_9
• Track 81 : YasnayaPolyana_11
• Track 82 : LilDirt_7, ViviJ_7, Neighly_8
• Track 83 : Edugator_7, Dadosky_8
• Track 84 : Agent47_8
• Track 85 : Collard_8, BananenDer11_8, DoubleChamp_8
• Track 86 : Guillsminger_8
• Track 87 : AlleyCat_8
• Track 88 : Heftyboy_8, SoSeph_8
• Track 89 : Paola_8
• Track 90 : InvictusManeo_8, Larva_8
• Track 91 : Miryou_8
• Track 92 : Thyatira_8, Waterfoul_8
• Track 93 : Gengar_8
• Track 94 : Psycho_8
• Track 95 : Feyre_8
• Track 96 : OkiRoe_8
• Track 97 : Leston_8
• Track 98 : Kratio_7
• Track 99 : Ellie_7, Applecrisp_8, Fefferhead_9
• Track 100 : Amohnition_9
• Track 101 : Lavahound_8
• Track 102 : DarthP_9
• Track 103 : Tierra_9
• Track 104 : Ekdilam_7
• Track 105 : Amgine_8
• Track 106 : November_8
• Track 107 : Hammy_9
• Track 108 : Aminay_8
• Track 109 : Boilgate_7

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

The start number called the most often in the published annotations is 11, it was called in 83 of the 243 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AizenPogi_4, Angel_4, Annihilator_4, Antsirabe_4, Aroostook_4, Avocado_4, Avrafan_4, AzulaCat_4, BPs_4, BQuat_4, Barkley26_4, BruceB_4, CLED96_4, Cambiare_5, Camri_4, CassieYates_4, Cedasite_4, Chance64_4, Cherrybomb426_4, Cloudyecho_4, Coleslaw_4, Crespo_4, DMoney_4, DNAIII_004, Darionha_4, DingDing_4, ECartman_4, FlagStaff_4, ForeverHowLong_4, Frosty24_4, Gideon_4, GodSpeed_4, GoldenAsh_4, Gomashi_4, Grizzly_4, Halo_4, Hope_4, Hotshotbaby7_4, Jane_4, Jeilious_4, Jolene_4, Jonghyun_4, JorRay_4, Kareem_4, Kasen3_4, Liefie_4, LouisV14_4, MOOREtheMARYer_4, MZKinsey_4, Maliketh_4, Marmie_4, Mowgli_4, Neoh_4, OctaviousRex_4, Olga_4, Pace1224_4, Paito_4,

Peeb_4, Periodt_4, Phish_4, Phloodle_4, Phreak_4, PinkYoshi_4, Pinnie_5, Plagueis_4, Primanti_4, Rabbs_4, Rattrick_4, Remy19_4, Renaissance_4, Richarlison_4, Ruriko_4, Schiebel_4, ShaboiShabazz_4, Sizemore_4, Sneeze_4, Stargaze_4, Sweets_4, Taheera_4, Terralys_4, Terror_4, Tierra_9, TinaBug_4, TomBrady_4, Wendigo_4, YangYin_4, ZoMa_4, Zombie_4,

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

Genes that do not have the "Most Annotated" start:
• ActinUp_10, Adephagia_10, Adonis_10, Agent47_8, Ageofdapage_10, AlishaPH_10, AlleyCat_8, Amelie_6, Amgine_8, Aminay_8, Amohnition_9, Anaya_11, Angelica_10, Anma_10, Apocalypse_10, Applecrisp_8, Asayake_10, Atiba_10, BEEST_10, BGlluviae_10, BaghaKamala_10, BananenDer11_8, BarrelRoll_10, Beezoo_10, Bella96_10, Belladonna_10, Bern_10, Biglebops_6, Blizzard_10, Bobquesha_11, Boiiii_10, Boilgate_7, CREW_10, CallaLilly_10, Capricorn_10, CaseJules_10, Chancellor_11, CheetoDust_10, Cheetobro_11, Clipper_10, Collard_8, CrimD_10, Dadosky_8, Dalmuri_10, DanSyl44_11, DartGoblin_10, DarthP_9, Deby_10, Devera_10, Dole_10, DoubleChamp_8, DrHayes_10, Durfee_10, Edugator_7, Ekdilam_7, Ellie_7, Emerson_10, Enkosi_6, Eponine_11, Fefferhead_9, Feyre_8, Fionnbharth_11, Ganymede_10, Gengar_8, Geraldini_10, Guillsminger_8, Hammy_9, HedwigODU_10, Heftyboy_8, Homura_10, Hurricane_9, Hyperbowlee_10, Illumine_10, Inky_10, InvictusManeo_8, JAWS_10, JF1_11, Jarvi_10, Jayhawk_10, Jeckyll_10, Joy99_10, Juliette_11, Keshu_9, Kheparia_11, Kratio_7, Kraw_11, Larva_8, LaterM_10, Lavahound_8, Lea83_9, Lebo14_11, Leston_8, LilDirt_7, LilPharaoh_6, LindNT_10, Llorens_10, Lokum_10, Lunahalos_10, MacKat_10, MacnCheese_10, Malthus_11, Mdavu_6, MeaningOfLife_10, Megsy_10, Miryou_8, MissDaisy_11, Mitti_11, Murucutumbu_10, Mynx_10, Neighly_8, Nikao_6, Nolwazi_11, November_8, Nutello_6, OkiRoe_8, OmniCritical_11, Padfoot_10, Padpat_10, Paola_8, Patt_11, Peel_10, Pharb_9, Piatt_10, Pisa1_9, Pisa4_9, Pixie_9, Pokerus_9, Prithvi_10, Psycho_8, Qhanda_11, QuincyRose_9, Ramen_10, Rapunzel97_10, Reptar3000_11, Rosmarinus_10, Ruthiejr_10, SamScheppers_9, SamuelLPlaqson_10, SgtBeansprout_6, ShedlockHolmes_9, ShiaSurprise_10, Slarp_11, Slimphazie_10, SoSeph_8, Spock_10, Stinson_10, Sulley_10, TBond007_9, Tachez_10, TaiwanKao_10, Taquito_9, Teejan_6, Thyatira_8, TiniBug_10, Tiri_10, Topper_10, Torres_6, TreyKay_10, TribleTrouble_8, Trice_6, TruffulaTree_10, Twitch_10, Urkel_10, Veliki_10, ViviJ_7, Waterfoul_8, Wintermute_11, Y10_11, Y2_11, YasnayaPolyana_11, YoureAdopted_9, Zabiza_10, Zavala_10,

**Summary by start number:**

Start 8:
• Found in 120 of 261 ( 46.0% ) of genes in pham
• Manual Annotations of this start: 58 of 243
• Called 48.3% of time when present
• Phage (with cluster) where this start called: Adonis_10 (K1), Amelie_6 (K1), Anaya_11 (K1), Anma_10 (K1), Asayake_10 (K1), BGlluviae_10 (K1), BaghaKamala_10 (K1), BarrelRoll_10 (K1), Bella96_10 (K1), Belladonna_10 (K1), Bern_10 (K1), Biglebops_6 (K1), Blizzard_10 (K1), CREW_10 (K1), CallaLilly_10 (K1), Capricorn_10 (K1), CheetoDust_10 (K1), Clipper_10 (K1), CrimD_10 (K1), Dalmuri_10 (K1), DartGoblin_10 (K1), DarthP_9 (K6), Durfee_10 (K1), Ekdilam_7 (K6), Enkosi_6 (K1), Hammy_9 (K6), Homura_10 (K1), Hurricane_9 (K3),

Hyperbowlee_10 (K1), Inky_10 (K1), JAWS_10 (K1), Jarvi_10 (K1), Jayhawk_10 (K1), Keshu_9 (K3), Lavahound_8 (K6), Lea83_9 (K3), MacKat_10 (K1), MacnCheese_10 (K3), Mdavu_6 (K1), MeaningOfLife_10 (K1), Megsy_10 (K1), November_8 (K6), Nutello_6 (K1), Padfoot_10 (K1), Peel_10 (K1), Pharb_9 (K3), Piatt_10 (K1), Pixie_9 (K3), ShedlockHolmes_9 (K3), Spock_10 (K1), TiniBug_10 (K1), Torres_6 (K1), TribleTrouble_8 (K3), TruffulaTree_10 (K1), Twitch_10 (K1), Veliki_10 (K1), YoureAdopted_9 (K1), Zabiza_10 (K1),

Start 9:
• Found in 28 of 261 ( 10.7% ) of genes in pham
• Manual Annotations of this start: 24 of 243
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aminay_8 (K7), Bobquesha_11 (K4), Boilgate_7 (K8), Chancellor_11 (K4), Cheetobro_11 (K4), DanSyl44_11 (K4), Eponine_11 (K4), Fionnbharth_11 (K4), JF1_11 (K4), Juliette_11 (K4), Kraw_11 (K4), Lebo14_11 (K4), Malthus_11 (K4), MissDaisy_11 (K4), Mitti_11 (K4), Nolwazi_11 (K4), OmniCritical_11 (K4), Patt_11 (K4), Qhanda_11 (K4), Reptar3000_11 (K4), Ruthiejr_10 (K4), SamScheppers_9 (K4), Slarp_11 (K4), Taquito_9 (K4), Wintermute_11 (K4), Y10_11 (K4), Y2_11 (K4), YasnayaPolyana_11 (K4),

Start 10:
• Found in 25 of 261 ( 9.6% ) of genes in pham
• Manual Annotations of this start: 14 of 243
• Called 64.0% of time when present
• Phage (with cluster) where this start called: Agent47_8 (K5), BananenDer11_8 (K5), Collard_8 (K5), Dadosky_8 (K5), DoubleChamp_8 (K5), Edugator_7 (K5), Feyre_8 (K5), Gengar_8 (K5), Heftyboy_8 (K5), Leston_8 (K5), LilDirt_7 (K5), Miryou_8 (K5), Neighly_8 (K3), OkiRoe_8 (K5), SoSeph_8 (K5), ViviJ_7 (K5),

Start 11:
• Found in 88 of 261 ( 33.7% ) of genes in pham
• Manual Annotations of this start: 83 of 243
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AizenPogi_4 (G1), Angel_4 (G1), Annihilator_4 (G1), Antsirabe_4 (G5), Aroostook_4 (G1), Avocado_4 (G2), Avrafan_4 (G1), AzulaCat_4 (G1), BPs_4 (G1), BQuat_4 (G1), Barkley26_4 (G1), BruceB_4 (G1), CLED96_4 (G1), Cambiare_5 (G2), Camri_4 (G1), CassieYates_4 (G1), Cedasite_4 (G1), Chance64_4 (G1), Cherrybomb426_4 (G1), Cloudyecho_4 (G3), Coleslaw_4 (G1), Crespo_4 (G1), DMoney_4 (G1), DNAIII_004 (G1), Darionha_4 (G1), DingDing_4 (G1), ECartman_4 (G1), FlagStaff_4 (G2), ForeverHowLong_4 (G1), Frosty24_4 (G1), Gideon_4 (G1), GodSpeed_4 (G2), GoldenAsh_4 (G1), Gomashi_4 (G1), Grizzly_4 (G1), Halo_4 (G1), Hope_4 (G1), Hotshotbaby7_4 (G1), Jane_4 (G1), Jeilious_4 (G), Jolene_4 (G1), Jonghyun_4 (G1), JorRay_4 (G1), Kareem_4 (G1), Kasen3_4 (G1), Liefie_4 (G1), LouisV14_4 (G1), MOOREtheMARYer_4 (G3), MZKinsey_4 (G1), Maliketh_4 (G1), Marmie_4 (G1), Mowgli_4 (G1), Neoh_4 (G), OctaviousRex_4 (G1), Olga_4 (G1), Pace1224_4 (G2), Paito_4 (G1), Peeb_4 (G1), Periodt_4 (G1), Phish_4 (G1), Phloodle_4 (G1), Phreak_4 (G1), PinkYoshi_4 (G1), Pinnie_5 (G3), Plagueis_4 (G1), Primanti_4 (G1), Rabbs_4 (G1), Rattrick_4 (G1), Remy19_4 (G1), Renaissance_4 (G1), Richarlison_4 (G1), Ruriko_4 (G1), Schiebel_4 (G1), ShaboiShabazz_4 (G1), Sizemore_4 (G1), Sneeze_4 (G1), Stargaze_4 (G5), Sweets_4 (G1), Taheera_4 (G1), Terralys_4 (G1), Terror_4 (G1), Tierra_9 (K6), TinaBug_4 (G1), TomBrady_4 (G1), Wendigo_4 (G1), YangYin_4 (G5), ZoMa_4 (G1), Zombie_4 (G1),

Start 12:
• Found in 27 of 261 ( 10.3% ) of genes in pham
• Manual Annotations of this start: 4 of 243
• Called 14.8% of time when present
• Phage (with cluster) where this start called: AlleyCat_8 (K5), Paola_8 (K5), Thyatira_8 (K5), Waterfoul_8 (K5),

Start 16:
• Found in 94 of 261 ( 36.0% ) of genes in pham
• Manual Annotations of this start: 50 of 243
• Called 58.5% of time when present
• Phage (with cluster) where this start called: ActinUp_10 (K1), Adephagia_10 (K1), Ageofdapage_10 (K1), AlishaPH_10 (K1), Amgine_8 (K6), Angelica_10 (K1), Apocalypse_10 (K1), Applecrisp_8 (K6), Atiba_10 (K1), BEEST_10 (K1), Beezoo_10 (K1), Boiiii_10 (K1), CaseJules_10 (K1), Deby_10 (K1), Devera_10 (K1), Dole_10 (K1), DrHayes_10 (K1), Ellie_7 (K6), Emerson_10 (K1), Fefferhead_9 (K6), Ganymede_10 (K1), Geraldini_10 (K1), HedwigODU_10 (K1), Illumine_10 (K1), Jeckyll_10 (K1), Joy99_10 (K1), Kheparia_11 (K1), LaterM_10 (K1), LindNT_10 (K1), Llorens_10 (K1), Lokum_10 (K1), Lunahalos_10 (K1), Murucutumbu_10 (K1), Mynx_10 (K1), Padpat_10 (K1), Pisa1_9 (K1), Pisa4_9 (K1), Pokerus_9 (K1), Prithvi_10 (K1), QuincyRose_9 (K1), Ramen_10 (K1), Rapunzel97_10 (K1), Rosmarinus_10 (K1), SamuelLPlaqson_10 (K1), ShiaSurprise_10 (K1), Slimphazie_10 (K1), Stinson_10 (K1), Sulley_10 (K1), Tachez_10 (K1), TaiwanKao_10 (K1), Tiri_10 (K1), Topper_10 (K1), TreyKay_10 (K1), Urkel_10 (K1), Zavala_10 (K1),

Start 17:
• Found in 11 of 261 ( 4.2% ) of genes in pham
• Manual Annotations of this start: 4 of 243
• Called 36.4% of time when present
• Phage (with cluster) where this start called: InvictusManeo_8 (K5), Kratio_7 (K5), Larva_8 (K5), Psycho_8 (K5),

Start 20:
• Found in 164 of 261 ( 62.8% ) of genes in pham
• Manual Annotations of this start: 5 of 243
• Called 4.3% of time when present
• Phage (with cluster) where this start called: Amohnition_9 (K6), LilPharaoh_6 (K1), Nikao_6 (K1), SgtBeansprout_6 (K1), TBond007_9 (K3), Teejan_6 (K1), Trice_6 (K1),

Start 25:
• Found in 111 of 261 ( 42.5% ) of genes in pham
• Manual Annotations of this start: 1 of 243
• Called 0.9% of time when present
• Phage (with cluster) where this start called: Guillsminger_8 (K5),

**Summary by clusters:**

There are 12 clusters represented in this pham: G5, G, G3, G2, G1, K3, K1, K7, K6, K5, K4, K8,

Info for manual annotations of cluster G:

•Start number 11 was manually annotated 2 times for cluster G.

Info for manual annotations of cluster G1:
•Start number 11 was manually annotated 70 times for cluster G1.

Info for manual annotations of cluster G2:
•Start number 11 was manually annotated 4 times for cluster G2.

Info for manual annotations of cluster G3:
•Start number 11 was manually annotated 3 times for cluster G3.

Info for manual annotations of cluster G5:
•Start number 11 was manually annotated 3 times for cluster G5.

Info for manual annotations of cluster K1:
•Start number 8 was manually annotated 45 times for cluster K1.
•Start number 16 was manually annotated 46 times for cluster K1.
•Start number 20 was manually annotated 3 times for cluster K1.

Info for manual annotations of cluster K3:
•Start number 8 was manually annotated 8 times for cluster K3.
•Start number 20 was manually annotated 1 time for cluster K3.

Info for manual annotations of cluster K4:
•Start number 9 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:
•Start number 10 was manually annotated 14 times for cluster K5.
•Start number 12 was manually annotated 4 times for cluster K5.
•Start number 17 was manually annotated 4 times for cluster K5.
•Start number 25 was manually annotated 1 time for cluster K5.

Info for manual annotations of cluster K6:
•Start number 8 was manually annotated 5 times for cluster K6.
•Start number 11 was manually annotated 1 time for cluster K6.
•Start number 16 was manually annotated 4 times for cluster K6.
•Start number 20 was manually annotated 1 time for cluster K6.

Info for manual annotations of cluster K7:
•Start number 9 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 9 was manually annotated 1 time for cluster K8.

### *Gene Information:*

Gene: ActinUp_10 Start: 4584, Stop: 7094, Start Num: 16
Candidate Starts for ActinUp_10:
(Start: 8 @4524 has 58 MA's), (Start: 16 @4584 has 50 MA's), (Start: 20 @4608 has 5 MA's), (Start: 25 @4650 has 1 MA's), (27, 4662), (29, 4674), (51, 4863), (58, 4911), (59, 4935), (64, 5010), (76, 5139), (77, 5145), (79, 5178), (81, 5208), (86, 5262), (96, 5346), (101, 5370), (112, 5445), (116, 5487), (121,

5526), (124, 5547), (128, 5571), (133, 5589), (148, 5688), (152, 5727), (154, 5736), (156, 5748), (162, 5796), (163, 5802), (164, 5814), (166, 5832), (175, 5916), (199, 6093), (200, 6114), (215, 6219), (216, 6225), (220, 6234), (225, 6252), (233, 6267), (259, 6369), (269, 6414), (273, 6426), (298, 6573), (320, 6762), (327, 6822), (332, 6882), (336, 6912), (342, 6969), (343, 6981), (349, 7041),

Gene: Adephagia_10 Start: 4584, Stop: 7094, Start Num: 16
Candidate Starts for Adephagia_10:
(Start: 8 @4524 has 58 MA's), (Start: 16 @4584 has 50 MA's), (Start: 20 @4608 has 5 MA's), (Start: 25 @4650 has 1 MA's), (27, 4662), (29, 4674), (51, 4863), (58, 4911), (59, 4935), (64, 5010), (76, 5139), (77, 5145), (79, 5178), (81, 5208), (86, 5262), (96, 5346), (101, 5370), (112, 5445), (116, 5487), (121, 5526), (124, 5547), (128, 5571), (133, 5589), (148, 5688), (152, 5727), (154, 5736), (156, 5748), (162, 5796), (163, 5802), (164, 5814), (166, 5832), (175, 5916), (199, 6093), (200, 6114), (215, 6219), (216, 6225), (220, 6234), (225, 6252), (233, 6267), (259, 6369), (269, 6414), (273, 6426), (298, 6573), (320, 6762), (327, 6822), (332, 6882), (336, 6912), (342, 6969), (343, 6981), (349, 7041),

Gene: Adonis_10 Start: 4535, Stop: 7105, Start Num: 8
Candidate Starts for Adonis_10:
(Start: 8 @4535 has 58 MA's), (Start: 16 @4595 has 50 MA's), (Start: 20 @4619 has 5 MA's), (Start: 25 @4661 has 1 MA's), (27, 4673), (29, 4685), (38, 4757), (51, 4874), (58, 4922), (59, 4946), (64, 5021), (76, 5150), (77, 5156), (79, 5189), (81, 5219), (86, 5273), (96, 5357), (101, 5381), (112, 5456), (116, 5498), (121, 5537), (124, 5558), (128, 5582), (133, 5600), (148, 5699), (152, 5738), (154, 5747), (156, 5759), (162, 5807), (163, 5813), (164, 5825), (166, 5843), (199, 6104), (200, 6125), (215, 6230), (216, 6236), (220, 6245), (225, 6263), (233, 6278), (259, 6380), (269, 6425), (273, 6437), (298, 6584), (320, 6773), (327, 6833), (332, 6893), (336, 6923), (342, 6980), (343, 6992), (349, 7052), (353, 7082),

Gene: Agent47_8 Start: 4259, Stop: 7129, Start Num: 10
Candidate Starts for Agent47_8:
(Start: 10 @4259 has 14 MA's), (Start: 12 @4271 has 4 MA's), (Start: 17 @4325 has 4 MA's), (Start: 20 @4337 has 5 MA's), (34, 4433), (37, 4469), (50, 4550), (51, 4553), (52, 4568), (54, 4577), (59, 4625), (62, 4652), (64, 4700), (67, 4718), (76, 4829), (77, 4835), (79, 4868), (81, 4898), (82, 4919), (86, 4952), (87, 4976), (105, 5093), (110, 5135), (115, 5195), (124, 5258), (126, 5273), (128, 5282), (140, 5354), (150, 5417), (152, 5438), (153, 5441), (154, 5447), (160, 5480), (163, 5513), (169, 5585), (172, 5603), (183, 5687), (184, 5693), (185, 5696), (188, 5720), (189, 5729), (191, 5741), (199, 5804), (200, 5825), (205, 5876), (227, 6002), (228, 6008), (230, 6023), (241, 6113), (244, 6146), (245, 6152), (249, 6167), (273, 6314), (291, 6527), (295, 6560), (298, 6584), (312, 6764), (313, 6767), (317, 6788), (320, 6806), (325, 6854), (332, 6926), (339, 6968), (340, 6977), (342, 7004), (343, 7016), (345, 7055), (348, 7073), (353, 7106),

Gene: Ageofdapage_10 Start: 4527, Stop: 7037, Start Num: 16
Candidate Starts for Ageofdapage_10:
(2, 4359), (Start: 8 @4467 has 58 MA's), (Start: 16 @4527 has 50 MA's), (19, 4548), (Start: 20 @4551 has 5 MA's), (Start: 25 @4593 has 1 MA's), (29, 4617), (35, 4650), (38, 4689), (58, 4854), (59, 4878), (64, 4953), (81, 5151), (86, 5205), (96, 5289), (101, 5313), (112, 5388), (120, 5460), (124, 5490), (126, 5505), (128, 5514), (133, 5532), (148, 5631), (152, 5670), (154, 5679), (156, 5691), (163, 5745), (164, 5757), (166, 5775), (199, 6036), (200, 6057), (216, 6168), (220, 6177), (225, 6195), (233, 6210), (259, 6315), (273, 6369), (290, 6447), (298, 6516), (305, 6612), (320, 6705), (327, 6765), (332, 6825), (342, 6912), (343, 6924), (349, 6984), (353, 7014),

Gene: AizenPogi_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for AizenPogi_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150,

4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: AlishaPH_10 Start: 4586, Stop: 7096, Start Num: 16
Candidate Starts for AlishaPH_10:
(Start: 8 @4526 has 58 MA's), (Start: 16 @4586 has 50 MA's), (Start: 20 @4610 has 5 MA's), (Start: 25 @4652 has 1 MA's), (27, 4664), (29, 4676), (51, 4865), (58, 4913), (59, 4937), (64, 5012), (76, 5141), (77, 5147), (79, 5180), (81, 5210), (86, 5264), (96, 5348), (101, 5372), (112, 5447), (116, 5489), (121, 5528), (124, 5549), (128, 5573), (133, 5591), (148, 5690), (152, 5729), (154, 5738), (156, 5750), (162, 5798), (163, 5804), (164, 5816), (166, 5834), (199, 6095), (200, 6116), (215, 6221), (216, 6227), (220, 6236), (225, 6254), (233, 6269), (259, 6371), (269, 6416), (273, 6428), (298, 6575), (320, 6764), (327, 6824), (331, 6881), (332, 6884), (336, 6914), (342, 6971), (343, 6983), (349, 7043), (353, 7073),

Gene: AlleyCat_8 Start: 4289, Stop: 7024, Start Num: 12
Candidate Starts for AlleyCat_8:
(Start: 10 @4277 has 14 MA's), (Start: 12 @4289 has 4 MA's), (Start: 17 @4343 has 4 MA's), (Start: 20 @4355 has 5 MA's), (Start: 25 @4397 has 1 MA's), (34, 4451), (37, 4487), (50, 4568), (51, 4571), (52, 4586), (54, 4595), (59, 4643), (62, 4670), (64, 4718), (67, 4736), (76, 4847), (77, 4853), (79, 4886), (81, 4916), (82, 4937), (86, 4970), (87, 4994), (105, 5111), (110, 5153), (112, 5174), (115, 5213), (124, 5276), (126, 5291), (128, 5300), (140, 5372), (150, 5435), (152, 5456), (153, 5459), (154, 5465), (158, 5486), (160, 5498), (161, 5507), (163, 5531), (169, 5603), (172, 5621), (183, 5705), (184, 5711), (185, 5714), (188, 5738), (189, 5747), (191, 5759), (199, 5822), (200, 5843), (205, 5894), (210, 5930), (241, 6008), (244, 6041), (245, 6047), (249, 6062), (273, 6209), (291, 6422), (295, 6455), (298, 6479), (312, 6659), (313, 6662), (317, 6683), (320, 6701), (325, 6749), (332, 6821), (339, 6863), (340, 6872), (342, 6899), (343, 6911), (345, 6950), (348, 6968), (353, 7001),

Gene: Amelie_6 Start: 3784, Stop: 6339, Start Num: 8
Candidate Starts for Amelie_6:
(Start: 8 @3784 has 58 MA's), (Start: 20 @3868 has 5 MA's), (29, 3934), (38, 4006), (44, 4060), (58, 4171), (59, 4195), (64, 4270), (76, 4396), (77, 4402), (79, 4435), (86, 4519), (99, 4615), (112, 4702), (116, 4744), (124, 4804), (128, 4828), (133, 4846), (145, 4921), (148, 4945), (152, 4984), (154, 4993), (156, 5005), (160, 5026), (161, 5035), (163, 5059), (164, 5071), (166, 5089), (180, 5212), (182, 5224), (192, 5296), (204, 5398), (216, 5473), (218, 5479), (220, 5482), (225, 5500), (233, 5515), (257, 5614), (259, 5623), (271, 5671), (282, 5695), (289, 5749), (305, 5923), (307, 5935), (312, 5974), (320, 6016), (327, 6076), (331, 6133), (332, 6136), (334, 6154), (342, 6214), (343, 6226), (349, 6286),

Gene: Amgine_8 Start: 4175, Stop: 6667, Start Num: 16
Candidate Starts for Amgine_8:
(1, 4001), (Start: 8 @4115 has 58 MA's), (Start: 16 @4175 has 50 MA's), (Start: 20 @4199 has 5 MA's), (Start: 25 @4241 has 1 MA's), (35, 4298), (51, 4454), (59, 4526), (62, 4553), (64, 4601), (68, 4625), (71, 4691), (76, 4733), (77, 4739), (79, 4772), (83, 4829), (86, 4856), (98, 4955), (101, 4967), (108, 5018), (112, 5042), (121, 5123), (126, 5159), (128, 5168), (131, 5177), (141, 5243), (152, 5324), (154, 5333), (160, 5366), (163, 5399), (165, 5420), (173, 5507), (181, 5555), (185, 5582), (188, 5606), (189, 5615), (193, 5639), (199, 5690), (200, 5711), (205, 5762), (206, 5768), (249, 5900), (259, 5912), (261, 5915), (263, 5930), (283, 6002), (298, 6122), (305, 6251), (317, 6326), (320, 6344), (322, 6353), (325, 6392), (331, 6461), (332, 6464), (340, 6515), (342, 6542), (343, 6554), (345, 6593), (351, 6629), (353, 6644),

Gene: Aminay_8 Start: 4299, Stop: 6959, Start Num: 9
Candidate Starts for Aminay_8:
(Start: 9 @4299 has 24 MA's), (Start: 20 @4377 has 5 MA's), (21, 4386), (36, 4503), (38, 4515), (42, 4536), (50, 4602), (57, 4641), (58, 4653), (62, 4704), (64, 4752), (71, 4836), (77, 4881), (79, 4911), (82,

4962), (86, 4995), (88, 5028), (128, 5376), (131, 5385), (154, 5541), (169, 5679), (171, 5688), (178, 5751), (182, 5772), (188, 5814), (189, 5823), (199, 5898), (203, 5955), (206, 5982), (223, 6060), (248, 6150), (259, 6204), (282, 6279), (298, 6414), (308, 6567), (317, 6618), (320, 6636), (325, 6684), (332, 6756), (340, 6807), (342, 6834), (343, 6846), (345, 6885), (348, 6903),

Gene: Amohnition_9 Start: 4405, Stop: 6894, Start Num: 20
Candidate Starts for Amohnition_9:
(Start: 8 @4321 has 58 MA's), (Start: 20 @4405 has 5 MA's), (35, 4504), (40, 4558), (41, 4579), (43, 4591), (44, 4597), (58, 4708), (61, 4747), (64, 4807), (66, 4822), (68, 4831), (73, 4906), (76, 4939), (77, 4945), (79, 4978), (81, 5008), (86, 5062), (87, 5086), (101, 5167), (111, 5230), (112, 5242), (126, 5359), (128, 5368), (141, 5443), (147, 5470), (152, 5524), (154, 5533), (160, 5566), (163, 5599), (165, 5620), (169, 5671), (172, 5689), (181, 5755), (185, 5782), (189, 5815), (193, 5839), (199, 5890), (200, 5911), (205, 5962), (206, 5968), (211, 6001), (262, 6145), (263, 6154), (298, 6349), (299, 6355), (303, 6418), (305, 6478), (306, 6487), (307, 6490), (317, 6553), (320, 6571), (325, 6619), (332, 6691), (333, 6694), (338, 6730), (339, 6733), (340, 6742), (342, 6769), (343, 6781), (345, 6820), (348, 6838), (353, 6871),

Gene: Anaya_11 Start: 4547, Stop: 7099, Start Num: 8
Candidate Starts for Anaya_11:
(Start: 8 @4547 has 58 MA's), (Start: 20 @4631 has 5 MA's), (Start: 25 @4673 has 1 MA's), (51, 4886), (58, 4934), (59, 4958), (64, 5033), (76, 5162), (77, 5168), (79, 5201), (81, 5231), (86, 5285), (96, 5369), (101, 5393), (112, 5468), (113, 5486), (124, 5570), (126, 5585), (128, 5594), (133, 5612), (148, 5711), (149, 5717), (152, 5750), (154, 5759), (156, 5771), (160, 5792), (163, 5825), (164, 5837), (166, 5855), (199, 6116), (200, 6137), (208, 6203), (211, 6224), (215, 6242), (216, 6248), (220, 6257), (225, 6275), (233, 6290), (259, 6392), (298, 6578), (320, 6767), (327, 6827), (332, 6887), (342, 6974), (343, 6986), (348, 7043), (353, 7076),

Gene: Angel_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Angel_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Angelica_10 Start: 4566, Stop: 7073, Start Num: 16
Candidate Starts for Angelica_10:
(Start: 8 @4506 has 58 MA's), (Start: 16 @4566 has 50 MA's), (Start: 20 @4590 has 5 MA's), (Start: 25 @4632 has 1 MA's), (29, 4656), (38, 4728), (51, 4845), (58, 4893), (59, 4917), (64, 4992), (76, 5121), (77, 5127), (79, 5160), (81, 5190), (86, 5244), (96, 5328), (101, 5352), (112, 5427), (116, 5469), (121, 5508), (124, 5529), (128, 5553), (133, 5571), (148, 5670), (152, 5709), (154, 5718), (156, 5730), (162, 5778), (163, 5784), (164, 5796), (166, 5814), (189, 6000), (198, 6063), (199, 6075), (200, 6096), (215, 6201), (216, 6207), (220, 6216), (225, 6234), (233, 6249), (259, 6351), (269, 6396), (273, 6408), (298, 6552), (305, 6648), (315, 6708), (320, 6741), (327, 6801), (332, 6861), (336, 6891), (342, 6948), (343, 6960), (349, 7020),

Gene: Anma_10 Start: 4491, Stop: 7046, Start Num: 8
Candidate Starts for Anma_10:
(2, 4383), (Start: 8 @4491 has 58 MA's), (Start: 16 @4551 has 50 MA's), (19, 4572), (22, 4593), (29, 4641), (38, 4713), (58, 4878), (59, 4902), (64, 4977), (76, 5109), (77, 5115), (79, 5148), (81, 5178), (86, 5232), (96, 5316), (101, 5340), (112, 5415), (121, 5496), (124, 5517), (126, 5532), (128, 5541), (133, 5559), (148, 5658), (152, 5697), (154, 5706), (156, 5718), (162, 5766), (163, 5772), (164, 5784), (166,

5802), (198, 6051), (199, 6063), (200, 6084), (216, 6195), (220, 6204), (225, 6222), (233, 6237), (259, 6339), (298, 6525), (305, 6621), (320, 6714), (327, 6774), (332, 6834), (342, 6921), (343, 6933), (348, 6990), (353, 7023),

Gene: Annihilator_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Annihilator_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Antsirabe_4 Start: 3504, Stop: 6410, Start Num: 11
Candidate Starts for Antsirabe_4:
(Start: 11 @3504 has 83 MA's), (24, 3618), (26, 3627), (58, 3843), (64, 3945), (75, 4071), (86, 4200), (90, 4242), (92, 4281), (104, 4305), (109, 4356), (112, 4377), (115, 4416), (116, 4419), (119, 4437), (120, 4449), (130, 4509), (138, 4560), (139, 4563), (142, 4584), (144, 4593), (154, 4668), (156, 4680), (177, 4848), (195, 4968), (197, 4989), (243, 5355), (255, 5424), (271, 5505), (298, 5823), (300, 5832), (302, 5847), (319, 6066), (323, 6090), (324, 6105), (327, 6141), (332, 6201), (333, 6204), (337, 6237), (341, 6276), (342, 6279), (343, 6291), (346, 6336), (347, 6345), (352, 6384),

Gene: Apocalypse_10 Start: 4562, Stop: 7072, Start Num: 16
Candidate Starts for Apocalypse_10:
(Start: 8 @4502 has 58 MA's), (Start: 16 @4562 has 50 MA's), (Start: 20 @4586 has 5 MA's), (Start: 25 @4628 has 1 MA's), (27, 4640), (29, 4652), (38, 4724), (51, 4841), (58, 4889), (59, 4913), (64, 4988), (76, 5117), (77, 5123), (79, 5156), (81, 5186), (86, 5240), (96, 5324), (101, 5348), (112, 5423), (116, 5465), (121, 5504), (128, 5549), (133, 5567), (148, 5666), (152, 5705), (154, 5714), (156, 5726), (162, 5774), (163, 5780), (164, 5792), (166, 5810), (199, 6071), (200, 6092), (215, 6197), (216, 6203), (220, 6212), (225, 6230), (233, 6245), (259, 6347), (273, 6404), (298, 6551), (305, 6647), (320, 6740), (327, 6800), (332, 6860), (342, 6947), (343, 6959), (349, 7019),

Gene: Applecrisp_8 Start: 4534, Stop: 7065, Start Num: 16
Candidate Starts for Applecrisp_8:
(Start: 8 @4474 has 58 MA's), (Start: 16 @4534 has 50 MA's), (Start: 20 @4558 has 5 MA's), (Start: 25 @4600 has 1 MA's), (35, 4657), (51, 4813), (59, 4885), (62, 4912), (64, 4960), (68, 4984), (71, 5050), (76, 5092), (77, 5098), (79, 5131), (86, 5215), (98, 5314), (101, 5326), (108, 5377), (112, 5401), (121, 5482), (126, 5518), (128, 5527), (131, 5536), (141, 5602), (152, 5683), (154, 5692), (160, 5725), (163, 5758), (165, 5779), (173, 5866), (181, 5914), (185, 5941), (188, 5965), (189, 5974), (193, 5998), (199, 6049), (200, 6070), (205, 6121), (206, 6127), (298, 6520), (305, 6649), (317, 6724), (320, 6742), (322, 6751), (325, 6790), (331, 6859), (332, 6862), (340, 6913), (342, 6940), (343, 6952), (345, 6991), (351, 7027), (353, 7042),

Gene: Aroostook_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Aroostook_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Asayake_10 Start: 4568, Stop: 7138, Start Num: 8

Candidate Starts for Asayake_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: Atiba_10 Start: 4550, Stop: 7060, Start Num: 16
Candidate Starts for Atiba_10:
(Start: 8 @4490 has 58 MA's), (Start: 16 @4550 has 50 MA's), (Start: 20 @4574 has 5 MA's), (Start: 25 @4616 has 1 MA's), (27, 4628), (29, 4640), (51, 4829), (58, 4877), (59, 4901), (64, 4976), (76, 5105), (77, 5111), (79, 5144), (81, 5174), (86, 5228), (96, 5312), (101, 5336), (112, 5411), (116, 5453), (121, 5492), (124, 5513), (128, 5537), (133, 5555), (148, 5654), (152, 5693), (154, 5702), (156, 5714), (162, 5762), (163, 5768), (164, 5780), (166, 5798), (199, 6059), (200, 6080), (215, 6185), (216, 6191), (220, 6200), (259, 6335), (269, 6380), (273, 6392), (298, 6539), (320, 6728), (327, 6788), (332, 6848), (336, 6878), (342, 6935), (343, 6947), (349, 7007),

Gene: Avocado_4 Start: 3454, Stop: 6372, Start Num: 11
Candidate Starts for Avocado_4:
(3, 3385), (Start: 11 @3454 has 83 MA's), (Start: 25 @3574 has 1 MA's), (58, 3799), (64, 3898), (75, 4021), (80, 4078), (84, 4135), (86, 4150), (89, 4189), (91, 4213), (92, 4228), (112, 4324), (118, 4378), (139, 4510), (142, 4531), (150, 4585), (151, 4597), (154, 4615), (195, 4915), (206, 5029), (263, 5419), (284, 5611), (285, 5620), (293, 5740), (298, 5785), (300, 5794), (302, 5809), (314, 5986), (318, 6022), (323, 6052), (324, 6067), (327, 6103), (330, 6136), (332, 6163), (342, 6241), (343, 6253), (346, 6298), (347, 6307), (352, 6346), (353, 6349),

Gene: Avrafan_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Avrafan_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: AzulaCat_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for AzulaCat_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: BEEST_10 Start: 4628, Stop: 7138, Start Num: 16
Candidate Starts for BEEST_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220,

6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: BGlluviae_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for BGlluviae_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: BPs_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for BPs_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: BQuat_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for BQuat_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: BaghaKamala_10 Start: 4500, Stop: 7070, Start Num: 8
Candidate Starts for BaghaKamala_10:
(Start: 8 @4500 has 58 MA's), (Start: 16 @4560 has 50 MA's), (Start: 20 @4584 has 5 MA's), (Start: 25 @4626 has 1 MA's), (27, 4638), (29, 4650), (51, 4839), (53, 4857), (58, 4887), (59, 4911), (64, 4986), (76, 5115), (77, 5121), (79, 5154), (81, 5184), (86, 5238), (96, 5322), (101, 5346), (112, 5421), (116, 5463), (121, 5502), (124, 5523), (128, 5547), (133, 5565), (148, 5664), (152, 5703), (154, 5712), (156, 5724), (162, 5772), (163, 5778), (164, 5790), (166, 5808), (199, 6069), (200, 6090), (215, 6195), (216, 6201), (220, 6210), (225, 6228), (233, 6243), (259, 6345), (269, 6390), (273, 6402), (298, 6549), (320, 6738), (327, 6798), (332, 6858), (336, 6888), (342, 6945), (343, 6957), (349, 7017),

Gene: BananenDer11_8 Start: 4251, Stop: 7112, Start Num: 10
Candidate Starts for BananenDer11_8:
(Start: 10 @4251 has 14 MA's), (Start: 12 @4263 has 4 MA's), (Start: 20 @4329 has 5 MA's), (Start: 25 @4371 has 1 MA's), (34, 4425), (37, 4461), (50, 4542), (51, 4545), (57, 4581), (58, 4593), (59, 4617), (62, 4644), (64, 4692), (67, 4710), (76, 4821), (77, 4827), (79, 4860), (82, 4911), (86, 4944), (103, 5073), (105, 5076), (112, 5139), (115, 5178), (116, 5181), (124, 5241), (126, 5256), (128, 5265), (140, 5337), (146, 5364), (150, 5400), (154, 5430), (159, 5457), (160, 5463), (161, 5472), (183, 5670), (184, 5676), (185, 5679), (188, 5703), (189, 5712), (191, 5724), (199, 5787), (200, 5808), (203, 5844), (205, 5859), (206, 5865), (226, 5952), (227, 5985), (228, 5991), (238, 6075), (239, 6078), (242, 6105), (244, 6129), (274, 6315), (287, 6450), (291, 6510), (295, 6543), (298, 6567), (312, 6747), (313, 6750), (316, 6762), (320, 6789), (325, 6837), (332, 6909), (340, 6960), (342, 6987), (343, 6999), (345, 7038), (348, 7056), (353, 7089),

Gene: Barkley26_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Barkley26_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: BarrelRoll_10 Start: 4518, Stop: 7088, Start Num: 8
Candidate Starts for BarrelRoll_10:
(Start: 8 @4518 has 58 MA's), (Start: 16 @4578 has 50 MA's), (Start: 20 @4602 has 5 MA's), (Start: 25 @4644 has 1 MA's), (27, 4656), (29, 4668), (51, 4857), (58, 4905), (59, 4929), (64, 5004), (76, 5133), (77, 5139), (79, 5172), (81, 5202), (86, 5256), (96, 5340), (101, 5364), (112, 5439), (116, 5481), (121, 5520), (124, 5541), (128, 5565), (133, 5583), (148, 5682), (152, 5721), (154, 5730), (156, 5742), (162, 5790), (163, 5796), (164, 5808), (166, 5826), (199, 6087), (200, 6108), (215, 6213), (216, 6219), (220, 6228), (225, 6246), (233, 6261), (259, 6363), (269, 6408), (273, 6420), (298, 6567), (320, 6756), (327, 6816), (331, 6873), (332, 6876), (336, 6906), (342, 6963), (343, 6975), (349, 7035), (353, 7065),

Gene: Beezoo_10 Start: 4610, Stop: 7120, Start Num: 16
Candidate Starts for Beezoo_10:
(Start: 8 @4550 has 58 MA's), (Start: 16 @4610 has 50 MA's), (Start: 20 @4634 has 5 MA's), (Start: 25 @4676 has 1 MA's), (27, 4688), (29, 4700), (51, 4889), (58, 4937), (59, 4961), (64, 5036), (76, 5165), (77, 5171), (79, 5204), (81, 5234), (86, 5288), (96, 5372), (101, 5396), (112, 5471), (116, 5513), (121, 5552), (124, 5573), (128, 5597), (133, 5615), (148, 5714), (152, 5753), (154, 5762), (156, 5774), (162, 5822), (163, 5828), (164, 5840), (166, 5858), (199, 6119), (200, 6140), (215, 6245), (216, 6251), (220, 6260), (225, 6278), (233, 6293), (259, 6395), (269, 6440), (273, 6452), (298, 6599), (320, 6788), (327, 6848), (332, 6908), (342, 6995), (343, 7007), (349, 7067),

Gene: Bella96_10 Start: 4470, Stop: 7025, Start Num: 8
Candidate Starts for Bella96_10:
(2, 4362), (7, 4461), (Start: 8 @4470 has 58 MA's), (Start: 16 @4530 has 50 MA's), (19, 4551), (22, 4572), (29, 4620), (38, 4692), (54, 4833), (58, 4857), (59, 4881), (64, 4956), (76, 5088), (77, 5094), (79, 5127), (81, 5157), (86, 5211), (96, 5295), (101, 5319), (112, 5394), (121, 5475), (124, 5496), (126, 5511), (128, 5520), (133, 5538), (148, 5637), (152, 5676), (154, 5685), (156, 5697), (162, 5745), (163, 5751), (164, 5763), (166, 5781), (198, 6030), (199, 6042), (200, 6063), (216, 6174), (220, 6183), (225, 6201), (233, 6216), (253, 6297), (259, 6318), (294, 6477), (298, 6504), (305, 6600), (320, 6693), (327, 6753), (332, 6813), (342, 6900), (343, 6912), (348, 6969), (353, 7002),

Gene: Belladonna_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for Belladonna_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: Bern_10 Start: 4508, Stop: 7066, Start Num: 8
Candidate Starts for Bern_10:

(Start: 8 @4508 has 58 MA's), (Start: 16 @4568 has 50 MA's), (Start: 20 @4592 has 5 MA's), (Start: 25 @4634 has 1 MA's), (35, 4691), (38, 4730), (58, 4895), (59, 4919), (64, 4994), (76, 5126), (77, 5132), (81, 5195), (86, 5249), (96, 5333), (101, 5357), (112, 5432), (124, 5534), (126, 5549), (128, 5558), (133, 5576), (148, 5675), (152, 5714), (154, 5723), (156, 5735), (163, 5789), (164, 5801), (166, 5819), (199, 6080), (200, 6101), (216, 6212), (220, 6221), (225, 6239), (233, 6254), (298, 6545), (305, 6641), (307, 6653), (320, 6734), (327, 6794), (331, 6851), (332, 6854), (342, 6941), (343, 6953), (349, 7013),

Gene: Biglebops_6 Start: 3784, Stop: 6339, Start Num: 8
Candidate Starts for Biglebops_6:
(Start: 8 @3784 has 58 MA's), (Start: 20 @3868 has 5 MA's), (29, 3934), (38, 4006), (44, 4060), (58, 4171), (59, 4195), (64, 4270), (76, 4396), (77, 4402), (79, 4435), (86, 4519), (99, 4615), (112, 4702), (116, 4744), (124, 4804), (128, 4828), (133, 4846), (145, 4921), (148, 4945), (152, 4984), (154, 4993), (156, 5005), (160, 5026), (161, 5035), (163, 5059), (164, 5071), (166, 5089), (180, 5212), (182, 5224), (192, 5296), (204, 5398), (216, 5473), (218, 5479), (220, 5482), (225, 5500), (233, 5515), (257, 5614), (259, 5623), (271, 5671), (282, 5695), (289, 5749), (305, 5923), (307, 5935), (312, 5974), (320, 6016), (327, 6076), (331, 6133), (332, 6136), (334, 6154), (342, 6214), (343, 6226), (349, 6286),

Gene: Blizzard_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for Blizzard_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: Bobquesha_11 Start: 5421, Stop: 8009, Start Num: 9
Candidate Starts for Bobquesha_11:
(Start: 9 @5421 has 24 MA's), (14, 5463), (Start: 20 @5499 has 5 MA's), (21, 5508), (35, 5598), (36, 5625), (38, 5637), (50, 5727), (58, 5778), (62, 5829), (64, 5877), (65, 5880), (66, 5892), (68, 5901), (72, 5973), (76, 6006), (77, 6012), (81, 6072), (86, 6126), (114, 6390), (127, 6492), (131, 6504), (156, 6672), (166, 6756), (171, 6807), (174, 6837), (199, 7017), (209, 7110), (212, 7131), (213, 7143), (222, 7170), (223, 7173), (231, 7191), (248, 7272), (253, 7299), (298, 7464), (312, 7644), (320, 7686), (327, 7746), (332, 7806), (342, 7884),

Gene: Boiiii_10 Start: 4628, Stop: 7138, Start Num: 16
Candidate Starts for Boiiii_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: Boilgate_7 Start: 4547, Stop: 7030, Start Num: 9
Candidate Starts for Boilgate_7:
(Start: 9 @4547 has 24 MA's), (15, 4595), (Start: 20 @4625 has 5 MA's), (30, 4694), (31, 4703), (32, 4706), (35, 4724), (36, 4751), (42, 4787), (48, 4829), (56, 4889), (58, 4904), (62, 4955), (63, 4964), (64, 5003), (65, 5006), (70, 5078), (72, 5087), (76, 5120), (79, 5153), (85, 5234), (86, 5237), (87, 5261), (88, 5270), (94, 5348), (95, 5351), (97, 5360), (107, 5402), (116, 5501), (119, 5519), (125, 5573), (127, 5582), (133, 5603), (143, 5669), (154, 5750), (157, 5765), (160, 5783), (169, 5885), (172, 5903), (178,

5957), (182, 5978), (185, 5996), (195, 6068), (199, 6104), (200, 6125), (214, 6233), (221, 6251), (231, 6278), (250, 6347), (251, 6359), (255, 6374), (256, 6377), (282, 6404), (298, 6518), (326, 6758), (327, 6767), (332, 6827), (333, 6830), (339, 6869), (340, 6878), (342, 6905), (343, 6917), (353, 7007),

Gene: BruceB_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for BruceB_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: CLED96_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for CLED96_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: CREW_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for CREW_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: CallaLilly_10 Start: 4497, Stop: 7067, Start Num: 8
Candidate Starts for CallaLilly_10:
(Start: 8 @4497 has 58 MA's), (Start: 16 @4557 has 50 MA's), (Start: 20 @4581 has 5 MA's), (Start: 25 @4623 has 1 MA's), (27, 4635), (29, 4647), (51, 4836), (58, 4884), (59, 4908), (64, 4983), (76, 5112), (77, 5118), (79, 5151), (81, 5181), (86, 5235), (96, 5319), (101, 5343), (112, 5418), (116, 5460), (121, 5499), (124, 5520), (128, 5544), (133, 5562), (148, 5661), (152, 5700), (154, 5709), (156, 5721), (162, 5769), (163, 5775), (164, 5787), (166, 5805), (199, 6066), (200, 6087), (215, 6192), (216, 6198), (220, 6207), (225, 6225), (233, 6240), (259, 6342), (269, 6387), (273, 6399), (298, 6546), (320, 6735), (327, 6795), (332, 6855), (342, 6942), (343, 6954), (349, 7014),

Gene: Cambiare_5 Start: 3916, Stop: 6834, Start Num: 11
Candidate Starts for Cambiare_5:
(3, 3847), (Start: 11 @3916 has 83 MA's), (Start: 25 @4036 has 1 MA's), (49, 4192), (58, 4261), (64, 4360), (75, 4483), (80, 4540), (84, 4597), (86, 4612), (89, 4651), (91, 4675), (92, 4690), (112, 4786), (118, 4840), (139, 4972), (142, 4993), (150, 5047), (151, 5059), (154, 5077), (195, 5377), (206, 5491), (263, 5881), (284, 6073), (285, 6082), (298, 6247), (300, 6256), (302, 6271), (314, 6448), (318, 6484), (323, 6514), (324, 6529), (327, 6565), (330, 6598), (331, 6622), (332, 6625), (342, 6703), (343, 6715), (346, 6760), (347, 6769), (352, 6808), (353, 6811),

Gene: Camri_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Camri_4:

(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Capricorn_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for Capricorn_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: CaseJules_10 Start: 4628, Stop: 7138, Start Num: 16
Candidate Starts for CaseJules_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: CassieYates_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for CassieYates_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Cedasite_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Cedasite_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Chance64_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Chance64_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Chancellor_11 Start: 5499, Stop: 8258, Start Num: 9
Candidate Starts for Chancellor_11:
(Start: 9 @5499 has 24 MA's), (14, 5541), (Start: 20 @5577 has 5 MA's), (21, 5586), (35, 5676), (36, 5703), (38, 5715), (50, 5805), (58, 5856), (62, 5907), (64, 5955), (65, 5958), (66, 5970), (68, 5979), (72, 6051), (76, 6084), (77, 6090), (81, 6150), (86, 6204), (114, 6468), (127, 6570), (131, 6582), (156, 6750), (166, 6834), (171, 6885), (174, 6915), (187, 7002), (199, 7095), (209, 7188), (212, 7209), (213, 7221), (222, 7248), (223, 7251), (231, 7269), (248, 7350), (253, 7377), (262, 7413), (265, 7440), (267, 7455), (268, 7464), (270, 7467), (275, 7503), (277, 7530), (279, 7539), (280, 7548), (298, 7713), (312, 7893), (320, 7935), (327, 7995), (332, 8055), (342, 8133),

Gene: CheetoDust_10 Start: 4544, Stop: 7114, Start Num: 8
Candidate Starts for CheetoDust_10:
(Start: 8 @4544 has 58 MA's), (Start: 16 @4604 has 50 MA's), (Start: 20 @4628 has 5 MA's), (Start: 25 @4670 has 1 MA's), (27, 4682), (29, 4694), (51, 4883), (58, 4931), (59, 4955), (64, 5030), (76, 5159), (77, 5165), (79, 5198), (81, 5228), (86, 5282), (96, 5366), (101, 5390), (112, 5465), (116, 5507), (121, 5546), (124, 5567), (128, 5591), (133, 5609), (148, 5708), (152, 5747), (154, 5756), (156, 5768), (162, 5816), (163, 5822), (164, 5834), (166, 5852), (199, 6113), (200, 6134), (215, 6239), (216, 6245), (220, 6254), (225, 6272), (233, 6287), (259, 6389), (269, 6434), (273, 6446), (298, 6593), (320, 6782), (327, 6842), (331, 6899), (332, 6902), (336, 6932), (342, 6989), (343, 7001), (349, 7061), (353, 7091),

Gene: Cheetobro_11 Start: 5499, Stop: 8258, Start Num: 9
Candidate Starts for Cheetobro_11:
(Start: 9 @5499 has 24 MA's), (14, 5541), (Start: 20 @5577 has 5 MA's), (21, 5586), (35, 5676), (36, 5703), (38, 5715), (50, 5805), (58, 5856), (62, 5907), (64, 5955), (65, 5958), (66, 5970), (68, 5979), (72, 6051), (76, 6084), (77, 6090), (81, 6150), (86, 6204), (114, 6468), (127, 6570), (131, 6582), (156, 6750), (166, 6834), (171, 6885), (174, 6915), (187, 7002), (199, 7095), (209, 7188), (212, 7209), (213, 7221), (222, 7248), (223, 7251), (231, 7269), (248, 7350), (253, 7377), (262, 7413), (265, 7440), (267, 7455), (268, 7464), (270, 7467), (275, 7503), (277, 7530), (279, 7539), (280, 7548), (298, 7713), (312, 7893), (320, 7935), (327, 7995), (332, 8055), (342, 8133),

Gene: Cherrybomb426_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Cherrybomb426_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Clipper_10 Start: 4544, Stop: 7114, Start Num: 8
Candidate Starts for Clipper_10:
(Start: 8 @4544 has 58 MA's), (Start: 16 @4604 has 50 MA's), (Start: 20 @4628 has 5 MA's), (Start: 25 @4670 has 1 MA's), (27, 4682), (29, 4694), (51, 4883), (58, 4931), (59, 4955), (64, 5030), (76, 5159), (77, 5165), (79, 5198), (81, 5228), (86, 5282), (96, 5366), (101, 5390), (112, 5465), (116, 5507), (121, 5546), (124, 5567), (128, 5591), (133, 5609), (148, 5708), (152, 5747), (154, 5756), (156, 5768), (162, 5816), (163, 5822), (164, 5834), (166, 5852), (199, 6113), (200, 6134), (215, 6239), (216, 6245), (220, 6254), (225, 6272), (233, 6287), (259, 6389), (269, 6434), (273, 6446), (298, 6593), (320, 6782), (327, 6842), (331, 6899), (332, 6902), (336, 6932), (342, 6989), (343, 7001), (349, 7061), (353, 7091),

Gene: Cloudyecho_4 Start: 3467, Stop: 6361, Start Num: 11
Candidate Starts for Cloudyecho_4:

(Start: 11 @3467 has 83 MA's), (26, 3590), (55, 3779), (64, 3902), (75, 4028), (86, 4157), (90, 4199), (92, 4238), (109, 4313), (112, 4334), (116, 4376), (119, 4394), (120, 4406), (142, 4541), (155, 4628), (177, 4805), (195, 4925), (197, 4946), (217, 5093), (234, 5213), (252, 5363), (298, 5774), (300, 5783), (314, 5975), (318, 6011), (323, 6041), (324, 6056), (327, 6092), (332, 6152), (341, 6227), (342, 6230), (343, 6242), (346, 6287), (347, 6296), (352, 6335),

Gene: Coleslaw_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Coleslaw_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Collard_8 Start: 4251, Stop: 7112, Start Num: 10
Candidate Starts for Collard_8:
(Start: 10 @4251 has 14 MA's), (Start: 12 @4263 has 4 MA's), (Start: 20 @4329 has 5 MA's), (Start: 25 @4371 has 1 MA's), (34, 4425), (37, 4461), (50, 4542), (51, 4545), (57, 4581), (58, 4593), (59, 4617), (62, 4644), (64, 4692), (67, 4710), (76, 4821), (77, 4827), (79, 4860), (82, 4911), (86, 4944), (103, 5073), (105, 5076), (112, 5139), (115, 5178), (116, 5181), (124, 5241), (126, 5256), (128, 5265), (140, 5337), (146, 5364), (150, 5400), (154, 5430), (159, 5457), (160, 5463), (161, 5472), (183, 5670), (184, 5676), (185, 5679), (188, 5703), (189, 5712), (191, 5724), (199, 5787), (200, 5808), (203, 5844), (205, 5859), (206, 5865), (226, 5952), (227, 5985), (228, 5991), (238, 6075), (239, 6078), (242, 6105), (244, 6129), (274, 6315), (287, 6450), (291, 6510), (295, 6543), (298, 6567), (312, 6747), (313, 6750), (316, 6762), (320, 6789), (325, 6837), (332, 6909), (340, 6960), (342, 6987), (343, 6999), (345, 7038), (348, 7056), (353, 7089),

Gene: Crespo_4 Start: 3404, Stop: 6193, Start Num: 11
Candidate Starts for Crespo_4:
(Start: 11 @3404 has 83 MA's), (13, 3437), (14, 3446), (19, 3479), (30, 3551), (48, 3671), (59, 3770), (62, 3797), (64, 3845), (78, 4004), (79, 4019), (80, 4031), (86, 4103), (102, 4259), (112, 4334), (116, 4376), (119, 4394), (121, 4415), (124, 4436), (131, 4469), (132, 4475), (141, 4535), (148, 4577), (150, 4595), (154, 4625), (165, 4712), (166, 4721), (188, 4901), (191, 4922), (198, 4973), (199, 4985), (229, 5228), (273, 5465), (286, 5585), (304, 5732), (306, 5774), (307, 5777), (320, 5864), (327, 5924), (332, 5984), (342, 6062), (343, 6074), (346, 6119), (347, 6128), (349, 6134), (355, 6185),

Gene: CrimD_10 Start: 4493, Stop: 7066, Start Num: 8
Candidate Starts for CrimD_10:
(Start: 8 @4493 has 58 MA's), (Start: 16 @4553 has 50 MA's), (19, 4574), (Start: 20 @4577 has 5 MA's), (Start: 25 @4619 has 1 MA's), (29, 4643), (35, 4676), (38, 4715), (54, 4856), (58, 4880), (59, 4904), (64, 4979), (76, 5111), (77, 5117), (79, 5150), (81, 5180), (86, 5234), (96, 5318), (101, 5342), (112, 5417), (116, 5459), (121, 5498), (124, 5519), (128, 5543), (133, 5561), (148, 5660), (152, 5699), (154, 5708), (156, 5720), (162, 5768), (163, 5774), (164, 5786), (166, 5804), (199, 6065), (200, 6086), (215, 6191), (216, 6197), (220, 6206), (225, 6224), (233, 6239), (259, 6341), (269, 6386), (273, 6398), (298, 6545), (305, 6641), (320, 6734), (327, 6794), (332, 6854), (335, 6875), (342, 6941), (343, 6953), (348, 7010), (353, 7043),

Gene: DMoney_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for DMoney_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150,

4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: DNAIII_004 Start: 3412, Stop: 6201, Start Num: 11
Candidate Starts for DNAIII_004:
(Start: 11 @3412 has 83 MA's), (13, 3445), (14, 3454), (19, 3487), (30, 3559), (48, 3679), (59, 3778), (62, 3805), (64, 3853), (78, 4012), (79, 4027), (80, 4039), (86, 4111), (102, 4267), (112, 4342), (116, 4384), (119, 4402), (121, 4423), (124, 4444), (131, 4477), (132, 4483), (141, 4543), (148, 4585), (150, 4603), (154, 4633), (165, 4720), (166, 4729), (188, 4909), (191, 4930), (198, 4981), (199, 4993), (229, 5236), (273, 5473), (286, 5593), (304, 5740), (306, 5782), (307, 5785), (320, 5872), (327, 5932), (332, 5992), (342, 6070), (343, 6082), (346, 6127), (347, 6136), (349, 6142), (355, 6193),

Gene: Dadosky_8 Start: 4277, Stop: 7024, Start Num: 10
Candidate Starts for Dadosky_8:
(Start: 10 @4277 has 14 MA's), (Start: 12 @4289 has 4 MA's), (Start: 17 @4343 has 4 MA's), (Start: 20 @4355 has 5 MA's), (Start: 25 @4397 has 1 MA's), (34, 4451), (37, 4487), (50, 4568), (51, 4571), (52, 4586), (54, 4595), (59, 4643), (62, 4670), (64, 4718), (67, 4736), (76, 4847), (77, 4853), (79, 4886), (81, 4916), (82, 4937), (86, 4970), (87, 4994), (105, 5111), (110, 5153), (112, 5174), (115, 5213), (124, 5276), (126, 5291), (128, 5300), (140, 5372), (150, 5435), (152, 5456), (153, 5459), (154, 5465), (158, 5486), (160, 5498), (161, 5507), (163, 5531), (169, 5603), (172, 5621), (183, 5705), (184, 5711), (185, 5714), (188, 5738), (189, 5747), (191, 5759), (199, 5822), (200, 5843), (205, 5894), (241, 6008), (244, 6041), (245, 6047), (249, 6062), (273, 6209), (291, 6422), (295, 6455), (298, 6479), (312, 6659), (313, 6662), (317, 6683), (320, 6701), (325, 6749), (332, 6821), (339, 6863), (340, 6872), (342, 6899), (343, 6911), (345, 6950), (348, 6968), (353, 7001),

Gene: Dalmuri_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for Dalmuri_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: DanSyl44_11 Start: 5502, Stop: 8261, Start Num: 9
Candidate Starts for DanSyl44_11:
(Start: 9 @5502 has 24 MA's), (14, 5544), (Start: 20 @5580 has 5 MA's), (21, 5589), (35, 5679), (36, 5706), (38, 5718), (50, 5808), (58, 5859), (62, 5910), (64, 5958), (65, 5961), (66, 5973), (68, 5982), (72, 6054), (76, 6087), (77, 6093), (81, 6153), (86, 6207), (114, 6471), (127, 6573), (131, 6585), (156, 6753), (166, 6837), (171, 6888), (174, 6918), (187, 7005), (199, 7098), (209, 7191), (212, 7212), (213, 7224), (222, 7251), (223, 7254), (231, 7272), (248, 7353), (253, 7380), (262, 7416), (265, 7443), (267, 7458), (268, 7467), (270, 7470), (275, 7506), (277, 7533), (279, 7542), (280, 7551), (298, 7716), (312, 7896), (320, 7938), (327, 7998), (332, 8058), (342, 8136),

Gene: Darionha_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Darionha_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332,

5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: DartGoblin_10 Start: 4470, Stop: 7025, Start Num: 8
Candidate Starts for DartGoblin_10:
(2, 4362), (Start: 8 @4470 has 58 MA's), (Start: 16 @4530 has 50 MA's), (19, 4551), (22, 4572), (29, 4620), (38, 4692), (54, 4833), (58, 4857), (59, 4881), (64, 4956), (76, 5088), (77, 5094), (79, 5127), (81, 5157), (86, 5211), (96, 5295), (101, 5319), (112, 5394), (121, 5475), (124, 5496), (126, 5511), (128, 5520), (133, 5538), (148, 5637), (152, 5676), (154, 5685), (156, 5697), (162, 5745), (163, 5751), (164, 5763), (166, 5781), (198, 6030), (199, 6042), (200, 6063), (216, 6174), (220, 6183), (225, 6201), (233, 6216), (253, 6297), (259, 6318), (294, 6477), (298, 6504), (305, 6600), (320, 6693), (327, 6753), (332, 6813), (342, 6900), (343, 6912), (348, 6969), (353, 7002),

Gene: DarthP_9 Start: 4321, Stop: 6894, Start Num: 8
Candidate Starts for DarthP_9:
(Start: 8 @4321 has 58 MA's), (Start: 20 @4405 has 5 MA's), (35, 4504), (40, 4558), (41, 4579), (43, 4591), (44, 4597), (58, 4708), (59, 4732), (61, 4747), (64, 4807), (66, 4822), (68, 4831), (73, 4906), (76, 4939), (77, 4945), (79, 4978), (81, 5008), (86, 5062), (87, 5086), (101, 5167), (112, 5242), (126, 5359), (128, 5368), (141, 5443), (147, 5470), (152, 5524), (154, 5533), (160, 5566), (163, 5599), (165, 5620), (169, 5671), (172, 5689), (181, 5755), (185, 5782), (189, 5815), (193, 5839), (199, 5890), (200, 5911), (205, 5962), (206, 5968), (211, 6001), (263, 6154), (298, 6349), (303, 6418), (305, 6478), (306, 6487), (307, 6490), (317, 6553), (320, 6571), (325, 6619), (328, 6643), (332, 6691), (333, 6694), (338, 6730), (339, 6733), (340, 6742), (342, 6769), (343, 6781), (345, 6820), (348, 6838), (353, 6871),

Gene: Deby_10 Start: 4566, Stop: 7073, Start Num: 16
Candidate Starts for Deby_10:
(Start: 8 @4506 has 58 MA's), (Start: 16 @4566 has 50 MA's), (Start: 20 @4590 has 5 MA's), (Start: 25 @4632 has 1 MA's), (29, 4656), (38, 4728), (51, 4845), (58, 4893), (59, 4917), (64, 4992), (76, 5121), (77, 5127), (79, 5160), (81, 5190), (86, 5244), (96, 5328), (101, 5352), (112, 5427), (116, 5469), (121, 5508), (124, 5529), (128, 5553), (133, 5571), (148, 5670), (152, 5709), (154, 5718), (156, 5730), (163, 5784), (164, 5796), (166, 5814), (189, 6000), (198, 6063), (199, 6075), (200, 6096), (215, 6201), (216, 6207), (220, 6216), (225, 6234), (233, 6249), (259, 6351), (269, 6396), (273, 6408), (298, 6552), (305, 6648), (315, 6708), (320, 6741), (327, 6801), (332, 6861), (336, 6891), (342, 6948), (343, 6960), (349, 7020),

Gene: Devera_10 Start: 4595, Stop: 7105, Start Num: 16
Candidate Starts for Devera_10:
(Start: 8 @4535 has 58 MA's), (Start: 16 @4595 has 50 MA's), (19, 4616), (Start: 20 @4619 has 5 MA's), (Start: 25 @4661 has 1 MA's), (29, 4685), (35, 4718), (38, 4757), (58, 4922), (59, 4946), (64, 5021), (81, 5219), (86, 5273), (96, 5357), (101, 5381), (112, 5456), (120, 5528), (124, 5558), (126, 5573), (128, 5582), (133, 5600), (148, 5699), (152, 5738), (154, 5747), (156, 5759), (163, 5813), (164, 5825), (166, 5843), (199, 6104), (200, 6125), (216, 6236), (220, 6245), (225, 6263), (233, 6278), (259, 6383), (273, 6437), (298, 6584), (305, 6680), (320, 6773), (327, 6833), (332, 6893), (342, 6980), (343, 6992), (349, 7052), (353, 7082),

Gene: DingDing_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for DingDing_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Dole_10 Start: 4595, Stop: 7105, Start Num: 16
Candidate Starts for Dole_10:
(Start: 8 @4535 has 58 MA's), (Start: 16 @4595 has 50 MA's), (19, 4616), (Start: 20 @4619 has 5 MA's), (Start: 25 @4661 has 1 MA's), (29, 4685), (35, 4718), (38, 4757), (58, 4922), (59, 4946), (64, 5021), (81, 5219), (86, 5273), (96, 5357), (101, 5381), (112, 5456), (120, 5528), (124, 5558), (126, 5573), (128, 5582), (133, 5600), (148, 5699), (152, 5738), (154, 5747), (156, 5759), (163, 5813), (164, 5825), (166, 5843), (199, 6104), (200, 6125), (216, 6236), (220, 6245), (225, 6263), (233, 6278), (259, 6383), (273, 6437), (298, 6584), (305, 6680), (320, 6773), (327, 6833), (332, 6893), (342, 6980), (343, 6992), (349, 7052), (353, 7082),

Gene: DoubleChamp_8 Start: 4251, Stop: 7112, Start Num: 10
Candidate Starts for DoubleChamp_8:
(Start: 10 @4251 has 14 MA's), (Start: 12 @4263 has 4 MA's), (Start: 20 @4329 has 5 MA's), (Start: 25 @4371 has 1 MA's), (34, 4425), (37, 4461), (50, 4542), (51, 4545), (57, 4581), (58, 4593), (59, 4617), (62, 4644), (64, 4692), (67, 4710), (76, 4821), (77, 4827), (79, 4860), (82, 4911), (86, 4944), (103, 5073), (105, 5076), (112, 5139), (115, 5178), (116, 5181), (124, 5241), (126, 5256), (128, 5265), (140, 5337), (146, 5364), (150, 5400), (154, 5430), (159, 5457), (160, 5463), (161, 5472), (183, 5670), (184, 5676), (185, 5679), (188, 5703), (189, 5712), (191, 5724), (199, 5787), (200, 5808), (203, 5844), (205, 5859), (206, 5865), (226, 5952), (227, 5985), (228, 5991), (238, 6075), (239, 6078), (242, 6105), (244, 6129), (274, 6315), (287, 6450), (291, 6510), (295, 6543), (298, 6567), (312, 6747), (313, 6750), (316, 6762), (320, 6789), (325, 6837), (332, 6909), (340, 6960), (342, 6987), (343, 6999), (345, 7038), (348, 7056), (353, 7089),

Gene: DrHayes_10 Start: 4551, Stop: 7046, Start Num: 16
Candidate Starts for DrHayes_10:
(2, 4383), (Start: 8 @4491 has 58 MA's), (Start: 16 @4551 has 50 MA's), (19, 4572), (22, 4593), (29, 4641), (38, 4713), (58, 4878), (59, 4902), (64, 4977), (76, 5109), (77, 5115), (79, 5148), (81, 5178), (86, 5232), (96, 5316), (101, 5340), (112, 5415), (121, 5496), (124, 5517), (126, 5532), (128, 5541), (133, 5559), (148, 5658), (152, 5697), (154, 5706), (156, 5718), (162, 5766), (163, 5772), (164, 5784), (166, 5802), (198, 6051), (199, 6063), (200, 6084), (216, 6195), (220, 6204), (225, 6222), (233, 6237), (259, 6339), (298, 6525), (305, 6621), (320, 6714), (327, 6774), (332, 6834), (342, 6921), (343, 6933), (348, 6990), (353, 7023),

Gene: Durfee_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for Durfee_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: ECartman_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for ECartman_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Edugator_7 Start: 4277, Stop: 7024, Start Num: 10

Candidate Starts for Edugator_7:
(Start: 10 @4277 has 14 MA's), (Start: 12 @4289 has 4 MA's), (Start: 17 @4343 has 4 MA's), (Start: 20 @4355 has 5 MA's), (Start: 25 @4397 has 1 MA's), (34, 4451), (37, 4487), (50, 4568), (51, 4571), (52, 4586), (54, 4595), (59, 4643), (62, 4670), (64, 4718), (67, 4736), (76, 4847), (77, 4853), (79, 4886), (81, 4916), (82, 4937), (86, 4970), (87, 4994), (105, 5111), (110, 5153), (112, 5174), (115, 5213), (124, 5276), (126, 5291), (128, 5300), (140, 5372), (150, 5435), (152, 5456), (153, 5459), (154, 5465), (158, 5486), (160, 5498), (161, 5507), (163, 5531), (169, 5603), (172, 5621), (183, 5705), (184, 5711), (185, 5714), (188, 5738), (189, 5747), (191, 5759), (199, 5822), (200, 5843), (205, 5894), (241, 6008), (244, 6041), (245, 6047), (249, 6062), (273, 6209), (291, 6422), (295, 6455), (298, 6479), (312, 6659), (313, 6662), (317, 6683), (320, 6701), (325, 6749), (332, 6821), (339, 6863), (340, 6872), (342, 6899), (343, 6911), (345, 6950), (348, 6968), (353, 7001),

Gene: Ekdilam_7 Start: 4056, Stop: 6641, Start Num: 8
Candidate Starts for Ekdilam_7:
(Start: 8 @4056 has 58 MA's), (Start: 20 @4140 has 5 MA's), (40, 4293), (41, 4314), (58, 4443), (64, 4542), (72, 4638), (73, 4641), (76, 4674), (77, 4680), (79, 4713), (82, 4764), (86, 4797), (87, 4821), (101, 4914), (111, 4977), (112, 4989), (126, 5106), (128, 5115), (141, 5190), (147, 5217), (152, 5271), (154, 5280), (160, 5313), (163, 5346), (165, 5367), (169, 5418), (172, 5436), (185, 5529), (189, 5562), (199, 5637), (200, 5658), (205, 5709), (206, 5715), (211, 5748), (262, 5892), (263, 5901), (298, 6096), (303, 6165), (305, 6225), (317, 6300), (320, 6318), (325, 6366), (332, 6438), (338, 6477), (339, 6480), (340, 6489), (342, 6516), (343, 6528), (345, 6567), (353, 6618),

Gene: Ellie_7 Start: 4207, Stop: 6738, Start Num: 16
Candidate Starts for Ellie_7:
(Start: 8 @4147 has 58 MA's), (Start: 16 @4207 has 50 MA's), (Start: 20 @4231 has 5 MA's), (Start: 25 @4273 has 1 MA's), (35, 4330), (51, 4486), (59, 4558), (62, 4585), (64, 4633), (68, 4657), (71, 4723), (76, 4765), (77, 4771), (79, 4804), (86, 4888), (98, 4987), (101, 4999), (108, 5050), (112, 5074), (121, 5155), (126, 5191), (128, 5200), (131, 5209), (141, 5275), (152, 5356), (154, 5365), (160, 5398), (163, 5431), (165, 5452), (173, 5539), (181, 5587), (185, 5614), (188, 5638), (189, 5647), (193, 5671), (199, 5722), (200, 5743), (205, 5794), (206, 5800), (298, 6193), (305, 6322), (317, 6397), (320, 6415), (322, 6424), (325, 6463), (331, 6532), (332, 6535), (340, 6586), (342, 6613), (343, 6625), (345, 6664), (351, 6700), (353, 6715),

Gene: Emerson_10 Start: 4587, Stop: 7097, Start Num: 16
Candidate Starts for Emerson_10:
(Start: 8 @4527 has 58 MA's), (Start: 16 @4587 has 50 MA's), (Start: 20 @4611 has 5 MA's), (Start: 25 @4653 has 1 MA's), (27, 4665), (29, 4677), (51, 4866), (58, 4914), (59, 4938), (64, 5013), (76, 5142), (77, 5148), (79, 5181), (81, 5211), (86, 5265), (96, 5349), (101, 5373), (112, 5448), (116, 5490), (121, 5529), (124, 5550), (128, 5574), (133, 5592), (148, 5691), (152, 5730), (154, 5739), (156, 5751), (162, 5799), (163, 5805), (164, 5817), (166, 5835), (199, 6096), (200, 6117), (215, 6222), (216, 6228), (220, 6237), (225, 6255), (233, 6270), (259, 6372), (269, 6417), (273, 6429), (298, 6576), (320, 6765), (327, 6825), (331, 6882), (332, 6885), (336, 6915), (342, 6972), (343, 6984), (349, 7044), (353, 7074),

Gene: Enkosi_6 Start: 3784, Stop: 6339, Start Num: 8
Candidate Starts for Enkosi_6:
(Start: 8 @3784 has 58 MA's), (Start: 20 @3868 has 5 MA's), (29, 3934), (38, 4006), (44, 4060), (58, 4171), (59, 4195), (64, 4270), (76, 4396), (77, 4402), (79, 4435), (86, 4519), (99, 4615), (112, 4702), (116, 4744), (124, 4804), (128, 4828), (133, 4846), (145, 4921), (148, 4945), (152, 4984), (154, 4993), (156, 5005), (160, 5026), (161, 5035), (163, 5059), (164, 5071), (166, 5089), (180, 5212), (182, 5224), (192, 5296), (204, 5398), (216, 5473), (218, 5479), (220, 5482), (225, 5500), (233, 5515), (257, 5614), (259, 5623), (271, 5671), (282, 5695), (289, 5749), (305, 5923), (307, 5935), (312, 5974), (320, 6016), (327, 6076), (331, 6133), (332, 6136), (334, 6154), (342, 6214), (343, 6226), (349, 6286),

Gene: Eponine_11 Start: 5488, Stop: 8145, Start Num: 9
Candidate Starts for Eponine_11:
(4, 5446), (Start: 9 @5488 has 24 MA's), (14, 5530), (Start: 20 @5566 has 5 MA's), (21, 5575), (24, 5602), (32, 5647), (35, 5665), (36, 5692), (38, 5704), (44, 5734), (47, 5752), (50, 5794), (62, 5896), (64, 5944), (65, 5947), (66, 5959), (68, 5968), (69, 5992), (72, 6040), (76, 6073), (77, 6079), (81, 6139), (86, 6193), (114, 6451), (123, 6520), (127, 6553), (131, 6565), (134, 6577), (156, 6733), (166, 6817), (167, 6835), (170, 6865), (171, 6868), (187, 6985), (198, 7066), (199, 7078), (223, 7234), (248, 7321), (265, 7408), (267, 7423), (268, 7432), (288, 7501), (298, 7600), (312, 7780), (327, 7882), (332, 7942), (342, 8020),

Gene: Fefferhead_9 Start: 4377, Stop: 6908, Start Num: 16
Candidate Starts for Fefferhead_9:
(Start: 8 @4317 has 58 MA's), (Start: 16 @4377 has 50 MA's), (Start: 20 @4401 has 5 MA's), (Start: 25 @4443 has 1 MA's), (35, 4500), (51, 4656), (59, 4728), (62, 4755), (64, 4803), (68, 4827), (71, 4893), (76, 4935), (77, 4941), (79, 4974), (86, 5058), (98, 5157), (101, 5169), (108, 5220), (112, 5244), (121, 5325), (126, 5361), (128, 5370), (131, 5379), (141, 5445), (152, 5526), (154, 5535), (160, 5568), (163, 5601), (165, 5622), (173, 5709), (181, 5757), (185, 5784), (188, 5808), (189, 5817), (193, 5841), (199, 5892), (200, 5913), (205, 5964), (206, 5970), (298, 6363), (305, 6492), (317, 6567), (320, 6585), (322, 6594), (325, 6633), (331, 6702), (332, 6705), (340, 6756), (342, 6783), (343, 6795), (345, 6834), (351, 6870), (353, 6885),

Gene: Feyre_8 Start: 4252, Stop: 6927, Start Num: 10
Candidate Starts for Feyre_8:
(Start: 10 @4252 has 14 MA's), (Start: 12 @4264 has 4 MA's), (Start: 20 @4330 has 5 MA's), (Start: 25 @4372 has 1 MA's), (34, 4426), (37, 4462), (50, 4543), (51, 4546), (57, 4582), (58, 4594), (59, 4618), (62, 4645), (64, 4693), (67, 4711), (76, 4822), (77, 4828), (79, 4861), (82, 4912), (86, 4945), (103, 5074), (105, 5077), (110, 5119), (112, 5140), (115, 5179), (116, 5182), (124, 5242), (126, 5257), (128, 5266), (136, 5308), (140, 5338), (146, 5365), (150, 5401), (154, 5431), (159, 5458), (160, 5464), (161, 5473), (183, 5671), (184, 5677), (185, 5680), (188, 5704), (189, 5713), (191, 5725), (199, 5788), (200, 5809), (203, 5845), (205, 5860), (206, 5866), (224, 5950), (226, 5953), (234, 6004), (235, 6010), (237, 6025), (274, 6130), (291, 6325), (295, 6358), (298, 6382), (312, 6562), (313, 6565), (316, 6577), (320, 6604), (325, 6652), (332, 6724), (340, 6775), (342, 6802), (343, 6814), (345, 6853), (348, 6871), (353, 6904),

Gene: Fionnbharth_11 Start: 5489, Stop: 8248, Start Num: 9
Candidate Starts for Fionnbharth_11:
(Start: 9 @5489 has 24 MA's), (14, 5531), (Start: 20 @5567 has 5 MA's), (21, 5576), (35, 5666), (36, 5693), (38, 5705), (50, 5795), (58, 5846), (62, 5897), (64, 5945), (65, 5948), (66, 5960), (68, 5969), (72, 6041), (76, 6074), (77, 6080), (81, 6140), (86, 6194), (114, 6458), (127, 6560), (131, 6572), (156, 6740), (166, 6824), (171, 6875), (174, 6905), (187, 6992), (199, 7085), (209, 7178), (212, 7199), (213, 7211), (222, 7238), (223, 7241), (231, 7259), (248, 7340), (253, 7367), (262, 7403), (265, 7430), (267, 7445), (268, 7454), (270, 7457), (275, 7493), (277, 7520), (279, 7529), (280, 7538), (298, 7703), (312, 7883), (320, 7925), (327, 7985), (332, 8045), (342, 8123),

Gene: FlagStaff_4 Start: 3425, Stop: 6340, Start Num: 11
Candidate Starts for FlagStaff_4:
(Start: 11 @3425 has 83 MA's), (19, 3500), (Start: 25 @3545 has 1 MA's), (49, 3701), (58, 3770), (64, 3869), (75, 3992), (80, 4049), (86, 4121), (92, 4199), (106, 4235), (112, 4295), (119, 4355), (122, 4379), (134, 4442), (139, 4481), (142, 4502), (150, 4556), (151, 4568), (177, 4766), (195, 4886), (234, 5177), (240, 5240), (252, 5327), (265, 5390), (284, 5564), (298, 5738), (300, 5747), (302, 5762), (314, 5939), (323, 6005), (324, 6020), (327, 6056), (329, 6086), (332, 6116), (333, 6119), (337, 6167), (341, 6206), (342, 6209), (343, 6221), (346, 6266), (347, 6275), (352, 6314), (353, 6317),

Gene: ForeverHowLong_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for ForeverHowLong_4:
(Start: 11 @3403 has 83 MA's), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (51, 3697), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (116, 4375), (119, 4393), (121, 4414), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Frosty24_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Frosty24_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Ganymede_10 Start: 4604, Stop: 7114, Start Num: 16
Candidate Starts for Ganymede_10:
(Start: 8 @4544 has 58 MA's), (Start: 16 @4604 has 50 MA's), (Start: 20 @4628 has 5 MA's), (Start: 25 @4670 has 1 MA's), (27, 4682), (29, 4694), (51, 4883), (58, 4931), (59, 4955), (64, 5030), (76, 5159), (77, 5165), (79, 5198), (81, 5228), (86, 5282), (96, 5366), (101, 5390), (112, 5465), (116, 5507), (121, 5546), (124, 5567), (128, 5591), (133, 5609), (148, 5708), (152, 5747), (154, 5756), (156, 5768), (162, 5816), (163, 5822), (164, 5834), (166, 5852), (199, 6113), (200, 6134), (215, 6239), (216, 6245), (220, 6254), (225, 6272), (233, 6287), (259, 6389), (269, 6434), (273, 6446), (298, 6593), (320, 6782), (327, 6842), (331, 6899), (332, 6902), (336, 6932), (342, 6989), (343, 7001), (349, 7061),

Gene: Gengar_8 Start: 4277, Stop: 7033, Start Num: 10
Candidate Starts for Gengar_8:
(Start: 10 @4277 has 14 MA's), (Start: 12 @4289 has 4 MA's), (Start: 20 @4355 has 5 MA's), (Start: 25 @4397 has 1 MA's), (34, 4451), (37, 4487), (50, 4568), (51, 4571), (57, 4607), (58, 4619), (59, 4643), (62, 4670), (64, 4718), (67, 4736), (76, 4847), (77, 4853), (79, 4886), (82, 4937), (86, 4970), (103, 5099), (105, 5102), (110, 5144), (115, 5204), (116, 5207), (124, 5267), (126, 5282), (128, 5291), (136, 5333), (140, 5363), (146, 5390), (150, 5426), (154, 5456), (159, 5483), (160, 5489), (161, 5498), (183, 5696), (184, 5702), (185, 5705), (188, 5729), (189, 5738), (191, 5750), (199, 5813), (200, 5834), (203, 5870), (205, 5885), (206, 5891), (224, 5975), (234, 6029), (235, 6035), (237, 6050), (246, 6104), (249, 6116), (254, 6122), (264, 6173), (273, 6218), (274, 6236), (291, 6431), (295, 6464), (298, 6488), (312, 6668), (313, 6671), (316, 6683), (320, 6710), (325, 6758), (332, 6830), (340, 6881), (342, 6908), (343, 6920), (345, 6959), (353, 7010),

Gene: Geraldini_10 Start: 4610, Stop: 7120, Start Num: 16
Candidate Starts for Geraldini_10:
(Start: 8 @4550 has 58 MA's), (Start: 16 @4610 has 50 MA's), (Start: 20 @4634 has 5 MA's), (Start: 25 @4676 has 1 MA's), (27, 4688), (29, 4700), (51, 4889), (58, 4937), (59, 4961), (64, 5036), (76, 5165), (77, 5171), (79, 5204), (81, 5234), (86, 5288), (96, 5372), (101, 5396), (112, 5471), (116, 5513), (121, 5552), (124, 5573), (128, 5597), (133, 5615), (148, 5714), (152, 5753), (154, 5762), (156, 5774), (162, 5822), (163, 5828), (164, 5840), (166, 5858), (199, 6119), (200, 6140), (215, 6245), (216, 6251), (220, 6260), (225, 6278), (233, 6293), (259, 6395), (269, 6440), (273, 6452), (298, 6599), (320, 6788), (327, 6848), (332, 6908), (342, 6995), (343, 7007), (349, 7067),

Gene: Gideon_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Gideon_4:

(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: GodSpeed_4 Start: 3425, Stop: 6331, Start Num: 11
Candidate Starts for GodSpeed_4:
(Start: 11 @3425 has 83 MA's), (19, 3500), (Start: 25 @3545 has 1 MA's), (26, 3548), (58, 3770), (64, 3869), (86, 4121), (92, 4199), (112, 4295), (118, 4349), (119, 4355), (122, 4379), (134, 4442), (135, 4448), (139, 4481), (142, 4502), (150, 4556), (151, 4568), (154, 4586), (195, 4886), (255, 5345), (263, 5378), (281, 5522), (284, 5570), (285, 5579), (293, 5699), (298, 5744), (300, 5753), (302, 5768), (314, 5945), (318, 5981), (323, 6011), (324, 6026), (329, 6092), (332, 6122), (342, 6200), (343, 6212), (346, 6257), (347, 6266), (352, 6305), (353, 6308),

Gene: GoldenAsh_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for GoldenAsh_4:
(Start: 11 @3403 has 83 MA's), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Gomashi_4 Start: 3404, Stop: 6193, Start Num: 11
Candidate Starts for Gomashi_4:
(Start: 11 @3404 has 83 MA's), (13, 3437), (14, 3446), (19, 3479), (30, 3551), (48, 3671), (59, 3770), (62, 3797), (64, 3845), (78, 4004), (79, 4019), (80, 4031), (86, 4103), (102, 4259), (112, 4334), (116, 4376), (119, 4394), (121, 4415), (124, 4436), (131, 4469), (132, 4475), (141, 4535), (148, 4577), (150, 4595), (154, 4625), (165, 4712), (166, 4721), (188, 4901), (191, 4922), (198, 4973), (199, 4985), (229, 5228), (273, 5465), (286, 5585), (304, 5732), (306, 5774), (307, 5777), (320, 5864), (327, 5924), (332, 5984), (342, 6062), (343, 6074), (346, 6119), (347, 6128), (349, 6134), (355, 6185),

Gene: Grizzly_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Grizzly_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (141, 4534), (148, 4576), (154, 4624), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Guillsminger_8 Start: 4372, Stop: 7008, Start Num: 25
Candidate Starts for Guillsminger_8:
(Start: 10 @4252 has 14 MA's), (Start: 12 @4264 has 4 MA's), (Start: 20 @4330 has 5 MA's), (Start: 25 @4372 has 1 MA's), (34, 4426), (37, 4462), (50, 4543), (51, 4546), (57, 4582), (58, 4594), (59, 4618), (62, 4645), (64, 4693), (67, 4711), (76, 4822), (77, 4828), (79, 4861), (82, 4912), (86, 4945), (103, 5074), (105, 5077), (110, 5119), (115, 5179), (116, 5182), (124, 5242), (126, 5257), (128, 5266), (136, 5308), (140, 5338), (146, 5365), (150, 5401), (154, 5431), (159, 5458), (160, 5464), (161, 5473), (183, 5671), (184, 5677), (185, 5680), (188, 5704), (189, 5713), (191, 5725), (199, 5788), (200, 5809), (203, 5845), (205, 5860), (206, 5866), (224, 5950), (226, 5953), (234, 6004), (235, 6010), (237, 6025), (246, 6079), (249, 6091), (254, 6097), (273, 6193), (274, 6211), (291, 6406), (295, 6439), (298, 6463), (312,

6643), (313, 6646), (316, 6658), (320, 6685), (325, 6733), (332, 6805), (340, 6856), (342, 6883), (343, 6895), (344, 6925), (345, 6934), (353, 6985),

Gene: Halo_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Halo_4:
(Start: 11 @3403 has 83 MA's), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (51, 3697), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (116, 4375), (119, 4393), (121, 4414), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Hammy_9 Start: 4318, Stop: 6891, Start Num: 8
Candidate Starts for Hammy_9:
(Start: 8 @4318 has 58 MA's), (Start: 20 @4402 has 5 MA's), (35, 4501), (40, 4555), (41, 4576), (43, 4588), (44, 4594), (58, 4705), (59, 4729), (61, 4744), (64, 4804), (66, 4819), (68, 4828), (73, 4903), (76, 4936), (77, 4942), (79, 4975), (81, 5005), (86, 5059), (87, 5083), (101, 5164), (111, 5227), (112, 5239), (126, 5356), (128, 5365), (141, 5440), (147, 5467), (152, 5521), (154, 5530), (160, 5563), (163, 5596), (165, 5617), (169, 5668), (172, 5686), (181, 5752), (185, 5779), (189, 5812), (193, 5836), (199, 5887), (200, 5908), (205, 5959), (206, 5965), (211, 5998), (259, 6133), (261, 6136), (263, 6151), (298, 6346), (303, 6415), (305, 6475), (306, 6484), (307, 6487), (317, 6550), (320, 6568), (325, 6616), (328, 6640), (332, 6688), (338, 6727), (339, 6730), (340, 6739), (342, 6766), (343, 6778), (345, 6817), (348, 6835), (353, 6868),

Gene: HedwigODU_10 Start: 4584, Stop: 7094, Start Num: 16
Candidate Starts for HedwigODU_10:
(Start: 8 @4524 has 58 MA's), (Start: 16 @4584 has 50 MA's), (Start: 20 @4608 has 5 MA's), (Start: 25 @4650 has 1 MA's), (27, 4662), (29, 4674), (51, 4863), (58, 4911), (59, 4935), (64, 5010), (76, 5139), (77, 5145), (79, 5178), (81, 5208), (86, 5262), (96, 5346), (101, 5370), (112, 5445), (116, 5487), (121, 5526), (124, 5547), (128, 5571), (133, 5589), (148, 5688), (152, 5727), (154, 5736), (156, 5748), (162, 5796), (163, 5802), (164, 5814), (166, 5832), (175, 5916), (199, 6093), (200, 6114), (215, 6219), (216, 6225), (220, 6234), (225, 6252), (233, 6267), (259, 6369), (269, 6414), (273, 6426), (298, 6573), (320, 6762), (327, 6822), (332, 6882), (336, 6912), (342, 6969), (343, 6981), (349, 7041),

Gene: Heftyboy_8 Start: 4274, Stop: 7135, Start Num: 10
Candidate Starts for Heftyboy_8:
(Start: 10 @4274 has 14 MA's), (Start: 12 @4286 has 4 MA's), (Start: 20 @4352 has 5 MA's), (Start: 25 @4394 has 1 MA's), (34, 4448), (37, 4484), (50, 4565), (51, 4568), (57, 4604), (58, 4616), (59, 4640), (62, 4667), (64, 4715), (67, 4733), (76, 4844), (77, 4850), (79, 4883), (82, 4934), (86, 4967), (103, 5096), (105, 5099), (110, 5141), (112, 5162), (115, 5201), (116, 5204), (124, 5264), (126, 5279), (128, 5288), (136, 5330), (140, 5360), (146, 5387), (150, 5423), (154, 5453), (159, 5480), (160, 5486), (161, 5495), (183, 5693), (184, 5699), (185, 5702), (188, 5726), (189, 5735), (191, 5747), (199, 5810), (200, 5831), (205, 5882), (206, 5888), (226, 5975), (227, 6008), (228, 6014), (232, 6035), (238, 6098), (239, 6101), (242, 6128), (244, 6152), (264, 6272), (274, 6338), (287, 6473), (291, 6533), (295, 6566), (298, 6590), (312, 6770), (313, 6773), (320, 6812), (325, 6860), (332, 6932), (340, 6983), (342, 7010), (343, 7022), (345, 7061), (348, 7079), (353, 7112),

Gene: Homura_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for Homura_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162,

5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: Hope_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Hope_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Hotshotbaby7_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Hotshotbaby7_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Hurricane_9 Start: 4433, Stop: 7027, Start Num: 8
Candidate Starts for Hurricane_9:
(3, 4376), (Start: 8 @4433 has 58 MA's), (Start: 20 @4520 has 5 MA's), (38, 4658), (39, 4667), (41, 4694), (44, 4709), (58, 4820), (59, 4844), (60, 4856), (62, 4871), (64, 4919), (76, 5051), (77, 5057), (79, 5090), (82, 5141), (86, 5174), (93, 5258), (99, 5291), (101, 5303), (105, 5312), (109, 5357), (111, 5366), (112, 5378), (123, 5468), (126, 5495), (127, 5501), (128, 5504), (141, 5579), (142, 5585), (154, 5669), (160, 5702), (163, 5735), (166, 5765), (181, 5891), (185, 5918), (189, 5951), (199, 6026), (206, 6104), (260, 6272), (272, 6317), (298, 6482), (305, 6611), (317, 6686), (320, 6704), (325, 6752), (331, 6821), (332, 6824), (338, 6863), (339, 6866), (340, 6875), (342, 6902), (343, 6914), (345, 6953), (353, 7004),

Gene: Hyperbowlee_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for Hyperbowlee_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: Illumine_10 Start: 4595, Stop: 7105, Start Num: 16
Candidate Starts for Illumine_10:
(Start: 8 @4535 has 58 MA's), (Start: 16 @4595 has 50 MA's), (19, 4616), (Start: 20 @4619 has 5 MA's), (Start: 25 @4661 has 1 MA's), (29, 4685), (35, 4718), (38, 4757), (58, 4922), (59, 4946), (64, 5021), (81, 5219), (86, 5273), (96, 5357), (101, 5381), (112, 5456), (120, 5528), (124, 5558), (126, 5573), (128, 5582), (133, 5600), (148, 5699), (152, 5738), (154, 5747), (156, 5759), (163, 5813), (164, 5825), (166, 5843), (199, 6104), (200, 6125), (216, 6236), (220, 6245), (225, 6263), (233, 6278), (259, 6383), (273, 6437), (298, 6584), (305, 6680), (320, 6773), (327, 6833), (332, 6893), (342, 6980), (343, 6992), (349, 7052), (353, 7082),

Gene: Inky_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for Inky_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: InvictusManeo_8 Start: 4325, Stop: 7132, Start Num: 17
Candidate Starts for InvictusManeo_8:
(Start: 10 @4259 has 14 MA's), (Start: 12 @4271 has 4 MA's), (Start: 17 @4325 has 4 MA's), (Start: 20 @4337 has 5 MA's), (34, 4433), (37, 4469), (50, 4550), (51, 4553), (52, 4568), (54, 4577), (59, 4625), (62, 4652), (64, 4700), (67, 4718), (76, 4829), (77, 4835), (79, 4868), (81, 4898), (82, 4919), (86, 4952), (87, 4976), (105, 5093), (110, 5135), (115, 5195), (124, 5258), (126, 5273), (128, 5282), (140, 5354), (150, 5417), (152, 5438), (153, 5441), (154, 5447), (160, 5480), (163, 5513), (169, 5585), (172, 5603), (183, 5687), (184, 5693), (185, 5696), (188, 5720), (189, 5729), (191, 5741), (199, 5804), (200, 5825), (205, 5876), (227, 6002), (228, 6008), (230, 6023), (241, 6116), (244, 6149), (245, 6155), (249, 6170), (273, 6317), (276, 6350), (291, 6530), (295, 6563), (298, 6587), (312, 6767), (313, 6770), (317, 6791), (320, 6809), (325, 6857), (332, 6929), (339, 6971), (340, 6980), (342, 7007), (343, 7019), (345, 7058), (348, 7076), (353, 7109),

Gene: JAWS_10 Start: 4521, Stop: 7091, Start Num: 8
Candidate Starts for JAWS_10:
(Start: 8 @4521 has 58 MA's), (Start: 16 @4581 has 50 MA's), (Start: 20 @4605 has 5 MA's), (Start: 25 @4647 has 1 MA's), (27, 4659), (29, 4671), (51, 4860), (58, 4908), (59, 4932), (64, 5007), (76, 5136), (77, 5142), (79, 5175), (81, 5205), (86, 5259), (96, 5343), (101, 5367), (112, 5442), (116, 5484), (121, 5523), (124, 5544), (128, 5568), (133, 5586), (148, 5685), (152, 5724), (154, 5733), (156, 5745), (162, 5793), (163, 5799), (164, 5811), (166, 5829), (199, 6090), (200, 6111), (215, 6216), (216, 6222), (220, 6231), (225, 6249), (233, 6264), (259, 6366), (269, 6411), (273, 6423), (298, 6570), (320, 6759), (327, 6819), (332, 6879), (336, 6909), (342, 6966), (343, 6978), (349, 7038),

Gene: JF1_11 Start: 5489, Stop: 8248, Start Num: 9
Candidate Starts for JF1_11:
(Start: 9 @5489 has 24 MA's), (14, 5531), (Start: 20 @5567 has 5 MA's), (21, 5576), (35, 5666), (36, 5693), (38, 5705), (50, 5795), (58, 5846), (62, 5897), (64, 5945), (65, 5948), (66, 5960), (68, 5969), (72, 6041), (76, 6074), (77, 6080), (81, 6140), (86, 6194), (114, 6458), (123, 6527), (127, 6560), (131, 6572), (156, 6740), (166, 6824), (171, 6875), (174, 6905), (187, 6992), (199, 7085), (209, 7178), (212, 7199), (213, 7211), (222, 7238), (223, 7241), (231, 7259), (248, 7340), (253, 7367), (262, 7403), (265, 7430), (267, 7445), (268, 7454), (270, 7457), (275, 7493), (277, 7520), (279, 7529), (280, 7538), (298, 7703), (312, 7883), (320, 7925), (327, 7985), (332, 8045), (342, 8123),

Gene: Jane_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Jane_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Jarvi_10 Start: 4568, Stop: 7138, Start Num: 8

Candidate Starts for Jarvi_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: Jayhawk_10 Start: 4524, Stop: 7094, Start Num: 8
Candidate Starts for Jayhawk_10:
(Start: 8 @4524 has 58 MA's), (Start: 16 @4584 has 50 MA's), (Start: 20 @4608 has 5 MA's), (Start: 25 @4650 has 1 MA's), (27, 4662), (29, 4674), (51, 4863), (58, 4911), (59, 4935), (64, 5010), (76, 5139), (77, 5145), (79, 5178), (81, 5208), (86, 5262), (96, 5346), (101, 5370), (112, 5445), (116, 5487), (121, 5526), (124, 5547), (128, 5571), (133, 5589), (148, 5688), (152, 5727), (154, 5736), (156, 5748), (162, 5796), (163, 5802), (164, 5814), (166, 5832), (175, 5916), (199, 6093), (200, 6114), (215, 6219), (216, 6225), (220, 6234), (225, 6252), (233, 6267), (259, 6369), (269, 6414), (273, 6426), (298, 6573), (320, 6762), (327, 6822), (332, 6882), (336, 6912), (342, 6969), (343, 6981), (349, 7041),

Gene: Jeckyll_10 Start: 4628, Stop: 7138, Start Num: 16
Candidate Starts for Jeckyll_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: Jeilious_4 Start: 3402, Stop: 6191, Start Num: 11
Candidate Starts for Jeilious_4:
(Start: 11 @3402 has 83 MA's), (13, 3435), (14, 3444), (19, 3477), (30, 3549), (48, 3669), (59, 3768), (62, 3795), (64, 3843), (78, 4002), (79, 4017), (80, 4029), (86, 4101), (102, 4257), (112, 4332), (116, 4374), (119, 4392), (121, 4413), (124, 4434), (131, 4467), (132, 4473), (141, 4533), (148, 4575), (150, 4593), (154, 4623), (165, 4710), (166, 4719), (188, 4899), (191, 4920), (198, 4971), (199, 4983), (229, 5226), (273, 5463), (286, 5583), (304, 5730), (306, 5772), (307, 5775), (320, 5862), (327, 5922), (332, 5982), (342, 6060), (343, 6072), (346, 6117), (347, 6126), (349, 6132), (355, 6183),

Gene: Jolene_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Jolene_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Jonghyun_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Jonghyun_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199,

4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: JorRay_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for JorRay_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Joy99_10 Start: 4560, Stop: 7070, Start Num: 16
Candidate Starts for Joy99_10:
(Start: 8 @4500 has 58 MA's), (Start: 16 @4560 has 50 MA's), (Start: 20 @4584 has 5 MA's), (Start: 25 @4626 has 1 MA's), (27, 4638), (29, 4650), (51, 4839), (53, 4857), (58, 4887), (59, 4911), (64, 4986), (76, 5115), (77, 5121), (79, 5154), (81, 5184), (86, 5238), (96, 5322), (101, 5346), (112, 5421), (116, 5463), (121, 5502), (124, 5523), (128, 5547), (133, 5565), (148, 5664), (152, 5703), (154, 5712), (156, 5724), (162, 5772), (163, 5778), (164, 5790), (166, 5808), (199, 6069), (200, 6090), (215, 6195), (216, 6201), (220, 6210), (225, 6228), (233, 6243), (259, 6345), (269, 6390), (273, 6402), (298, 6549), (320, 6738), (327, 6798), (332, 6858), (336, 6888), (342, 6945), (343, 6957), (348, 7014), (353, 7047),

Gene: Juliette_11 Start: 5488, Stop: 8145, Start Num: 9
Candidate Starts for Juliette_11:
(4, 5446), (Start: 9 @5488 has 24 MA's), (14, 5530), (Start: 20 @5566 has 5 MA's), (21, 5575), (24, 5602), (32, 5647), (35, 5665), (36, 5692), (38, 5704), (44, 5734), (47, 5752), (50, 5794), (62, 5896), (64, 5944), (65, 5947), (66, 5959), (68, 5968), (69, 5992), (72, 6040), (76, 6073), (77, 6079), (81, 6139), (86, 6193), (114, 6451), (123, 6520), (127, 6553), (131, 6565), (134, 6577), (156, 6733), (166, 6817), (167, 6835), (170, 6865), (171, 6868), (187, 6985), (198, 7066), (199, 7078), (223, 7234), (248, 7321), (265, 7408), (267, 7423), (268, 7432), (288, 7501), (298, 7600), (312, 7780), (327, 7882), (332, 7942), (342, 8020),

Gene: Kareem_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Kareem_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Kasen3_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Kasen3_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Keshu_9 Start: 4415, Stop: 7015, Start Num: 8
Candidate Starts for Keshu_9:

(Start: 8 @4415 has 58 MA's), (Start: 20 @4502 has 5 MA's), (38, 4640), (39, 4649), (44, 4691), (51, 4754), (58, 4802), (59, 4826), (64, 4901), (76, 5033), (77, 5039), (79, 5072), (82, 5123), (86, 5156), (93, 5243), (99, 5276), (101, 5288), (105, 5297), (109, 5342), (111, 5351), (112, 5363), (123, 5453), (126, 5480), (127, 5486), (128, 5489), (141, 5564), (142, 5570), (154, 5654), (160, 5687), (163, 5720), (166, 5750), (181, 5876), (185, 5903), (189, 5936), (199, 6011), (206, 6089), (260, 6257), (272, 6302), (298, 6470), (305, 6599), (320, 6692), (325, 6740), (331, 6809), (332, 6812), (338, 6851), (339, 6854), (340, 6863), (342, 6890), (343, 6902), (345, 6941), (353, 6992),

Gene: Kheparia_11 Start: 4568, Stop: 7066, Start Num: 16
Candidate Starts for Kheparia_11:
(Start: 8 @4508 has 58 MA's), (Start: 16 @4568 has 50 MA's), (Start: 20 @4592 has 5 MA's), (Start: 25 @4634 has 1 MA's), (35, 4691), (38, 4730), (58, 4895), (59, 4919), (64, 4994), (76, 5126), (77, 5132), (81, 5195), (86, 5249), (96, 5333), (101, 5357), (112, 5432), (124, 5534), (126, 5549), (128, 5558), (133, 5576), (148, 5675), (152, 5714), (154, 5723), (156, 5735), (163, 5789), (164, 5801), (166, 5819), (199, 6080), (200, 6101), (216, 6212), (220, 6221), (225, 6239), (233, 6254), (298, 6545), (305, 6641), (307, 6653), (320, 6734), (327, 6794), (331, 6851), (332, 6854), (342, 6941), (343, 6953), (349, 7013),

Gene: Kratio_7 Start: 4082, Stop: 6760, Start Num: 17
Candidate Starts for Kratio_7:
(6, 3998), (Start: 10 @4016 has 14 MA's), (Start: 12 @4028 has 4 MA's), (Start: 17 @4082 has 4 MA's), (Start: 20 @4094 has 5 MA's), (34, 4190), (37, 4226), (50, 4307), (51, 4310), (52, 4325), (54, 4334), (59, 4382), (62, 4409), (64, 4457), (67, 4475), (76, 4586), (77, 4592), (79, 4625), (81, 4655), (82, 4676), (86, 4709), (87, 4733), (105, 4850), (110, 4892), (115, 4952), (124, 5015), (126, 5030), (128, 5039), (140, 5111), (150, 5174), (152, 5195), (153, 5198), (154, 5204), (160, 5237), (163, 5270), (169, 5342), (172, 5360), (184, 5450), (185, 5453), (188, 5477), (189, 5486), (191, 5498), (199, 5561), (200, 5582), (205, 5633), (206, 5639), (209, 5654), (241, 5744), (244, 5777), (245, 5783), (249, 5798), (273, 5945), (291, 6158), (295, 6191), (298, 6215), (312, 6395), (313, 6398), (317, 6419), (320, 6437), (325, 6485), (332, 6557), (339, 6599), (340, 6608), (342, 6635), (343, 6647), (345, 6686), (348, 6704), (353, 6737),

Gene: Kraw_11 Start: 5489, Stop: 8167, Start Num: 9
Candidate Starts for Kraw_11:
(Start: 9 @5489 has 24 MA's), (14, 5531), (Start: 20 @5567 has 5 MA's), (21, 5576), (35, 5666), (36, 5693), (38, 5705), (50, 5795), (58, 5846), (62, 5897), (64, 5945), (65, 5948), (66, 5960), (68, 5969), (72, 6041), (76, 6074), (77, 6080), (81, 6140), (86, 6194), (114, 6458), (127, 6560), (131, 6572), (156, 6740), (166, 6824), (171, 6875), (174, 6905), (187, 6992), (199, 7085), (209, 7178), (212, 7199), (213, 7211), (222, 7238), (223, 7241), (231, 7259), (248, 7340), (253, 7367), (265, 7430), (267, 7445), (268, 7454), (270, 7457), (298, 7622), (312, 7802), (320, 7844), (327, 7904), (332, 7964), (342, 8042),

Gene: Larva_8 Start: 4084, Stop: 6891, Start Num: 17
Candidate Starts for Larva_8:
(Start: 10 @4018 has 14 MA's), (Start: 12 @4030 has 4 MA's), (Start: 17 @4084 has 4 MA's), (Start: 20 @4096 has 5 MA's), (34, 4192), (37, 4228), (50, 4309), (51, 4312), (52, 4327), (54, 4336), (59, 4384), (62, 4411), (64, 4459), (67, 4477), (76, 4588), (77, 4594), (79, 4627), (81, 4657), (82, 4678), (86, 4711), (87, 4735), (105, 4852), (110, 4894), (115, 4954), (124, 5017), (126, 5032), (128, 5041), (140, 5113), (150, 5176), (152, 5197), (153, 5200), (154, 5206), (160, 5239), (163, 5272), (169, 5344), (172, 5362), (183, 5446), (184, 5452), (185, 5455), (188, 5479), (189, 5488), (191, 5500), (199, 5563), (200, 5584), (205, 5635), (227, 5761), (228, 5767), (230, 5782), (241, 5875), (244, 5908), (245, 5914), (249, 5929), (273, 6076), (276, 6109), (291, 6289), (295, 6322), (298, 6346), (312, 6526), (313, 6529), (317, 6550), (320, 6568), (325, 6616), (332, 6688), (339, 6730), (340, 6739), (342, 6766), (343, 6778), (345, 6817), (348, 6835), (353, 6868),

Gene: LaterM_10 Start: 4559, Stop: 7063, Start Num: 16

Candidate Starts for LaterM_10:
(2, 4391), (Start: 8 @4499 has 58 MA's), (Start: 16 @4559 has 50 MA's), (19, 4580), (Start: 20 @4583 has 5 MA's), (Start: 25 @4625 has 1 MA's), (29, 4649), (35, 4682), (38, 4721), (58, 4886), (59, 4910), (64, 4985), (81, 5183), (86, 5237), (96, 5321), (101, 5345), (112, 5420), (120, 5492), (124, 5522), (126, 5537), (128, 5546), (133, 5564), (148, 5663), (152, 5702), (154, 5711), (156, 5723), (163, 5777), (164, 5789), (166, 5807), (199, 6068), (200, 6089), (216, 6200), (220, 6209), (225, 6227), (233, 6242), (259, 6347), (273, 6401), (290, 6473), (298, 6542), (305, 6638), (320, 6731), (327, 6791), (332, 6851), (342, 6938), (343, 6950), (349, 7010), (353, 7040),

Gene: Lavahound_8 Start: 4115, Stop: 6667, Start Num: 8
Candidate Starts for Lavahound_8:
(Start: 8 @4115 has 58 MA's), (Start: 16 @4175 has 50 MA's), (Start: 20 @4199 has 5 MA's), (Start: 25 @4241 has 1 MA's), (35, 4298), (51, 4454), (59, 4526), (62, 4553), (64, 4601), (68, 4625), (71, 4691), (76, 4733), (77, 4739), (79, 4772), (86, 4856), (98, 4955), (101, 4967), (108, 5018), (112, 5042), (121, 5123), (126, 5159), (128, 5168), (131, 5177), (141, 5243), (152, 5324), (154, 5333), (160, 5366), (163, 5399), (165, 5420), (173, 5507), (181, 5555), (185, 5582), (188, 5606), (189, 5615), (193, 5639), (199, 5690), (200, 5711), (205, 5762), (206, 5768), (249, 5900), (259, 5912), (261, 5915), (263, 5930), (266, 5942), (283, 6002), (290, 6053), (298, 6122), (305, 6251), (317, 6326), (320, 6344), (322, 6353), (325, 6392), (331, 6461), (332, 6464), (340, 6515), (342, 6542), (343, 6554), (345, 6593), (351, 6629), (353, 6644),

Gene: Lea83_9 Start: 4427, Stop: 7018, Start Num: 8
Candidate Starts for Lea83_9:
(Start: 8 @4427 has 58 MA's), (Start: 20 @4514 has 5 MA's), (38, 4652), (39, 4661), (51, 4766), (59, 4838), (62, 4865), (64, 4913), (72, 5009), (76, 5042), (77, 5048), (79, 5081), (82, 5132), (86, 5165), (93, 5249), (99, 5282), (101, 5294), (105, 5303), (111, 5357), (112, 5369), (123, 5459), (126, 5486), (127, 5492), (128, 5495), (141, 5570), (142, 5576), (154, 5660), (160, 5693), (163, 5726), (166, 5756), (181, 5882), (185, 5909), (189, 5942), (199, 6017), (206, 6095), (260, 6263), (272, 6308), (298, 6473), (305, 6602), (317, 6677), (320, 6695), (325, 6743), (331, 6812), (332, 6815), (338, 6854), (339, 6857), (340, 6866), (342, 6893), (343, 6905), (345, 6944), (353, 6995),

Gene: Lebo14_11 Start: 5502, Stop: 8261, Start Num: 9
Candidate Starts for Lebo14_11:
(Start: 9 @5502 has 24 MA's), (14, 5544), (Start: 20 @5580 has 5 MA's), (21, 5589), (35, 5679), (36, 5706), (38, 5718), (50, 5808), (58, 5859), (62, 5910), (64, 5958), (65, 5961), (66, 5973), (68, 5982), (72, 6054), (76, 6087), (77, 6093), (81, 6153), (86, 6207), (114, 6471), (127, 6573), (131, 6585), (156, 6753), (166, 6837), (171, 6888), (174, 6918), (187, 7005), (199, 7098), (209, 7191), (212, 7212), (213, 7224), (222, 7251), (223, 7254), (231, 7272), (248, 7353), (253, 7380), (262, 7416), (265, 7443), (267, 7458), (268, 7467), (270, 7470), (275, 7506), (277, 7533), (279, 7542), (280, 7551), (298, 7716), (312, 7896), (320, 7938), (327, 7998), (332, 8058), (342, 8136),

Gene: Leston_8 Start: 4277, Stop: 7138, Start Num: 10
Candidate Starts for Leston_8:
(Start: 10 @4277 has 14 MA's), (Start: 12 @4289 has 4 MA's), (Start: 20 @4355 has 5 MA's), (Start: 25 @4397 has 1 MA's), (34, 4451), (37, 4487), (50, 4568), (51, 4571), (57, 4607), (58, 4619), (59, 4643), (62, 4670), (64, 4718), (67, 4736), (76, 4847), (77, 4853), (79, 4886), (82, 4937), (86, 4970), (103, 5099), (105, 5102), (112, 5165), (115, 5204), (116, 5207), (124, 5267), (126, 5282), (128, 5291), (140, 5363), (146, 5390), (150, 5426), (154, 5456), (159, 5483), (160, 5489), (161, 5498), (170, 5600), (183, 5696), (184, 5702), (185, 5705), (188, 5729), (189, 5738), (191, 5750), (199, 5813), (200, 5834), (203, 5870), (205, 5885), (206, 5891), (224, 5975), (226, 5978), (227, 6011), (228, 6017), (238, 6101), (239, 6104), (242, 6131), (244, 6155), (274, 6341), (287, 6476), (291, 6536), (295, 6569), (298, 6593), (312, 6773), (313, 6776), (320, 6815), (325, 6863), (332, 6935), (340, 6986), (342, 7013), (343, 7025), (345, 7064), (348, 7082), (353, 7115),

Gene: Liefie_4 Start: 3402, Stop: 6191, Start Num: 11
Candidate Starts for Liefie_4:
(Start: 11 @3402 has 83 MA's), (13, 3435), (14, 3444), (19, 3477), (26, 3525), (30, 3549), (48, 3669), (59, 3768), (62, 3795), (64, 3843), (78, 4002), (79, 4017), (80, 4029), (86, 4101), (102, 4257), (112, 4332), (116, 4374), (119, 4392), (121, 4413), (124, 4434), (141, 4533), (148, 4575), (150, 4593), (154, 4623), (166, 4719), (188, 4899), (191, 4920), (198, 4971), (199, 4983), (229, 5226), (273, 5463), (286, 5583), (304, 5730), (306, 5772), (307, 5775), (320, 5862), (327, 5922), (332, 5982), (342, 6060), (343, 6072), (346, 6117), (347, 6126), (349, 6132), (355, 6183),

Gene: LilDirt_7 Start: 4017, Stop: 6890, Start Num: 10
Candidate Starts for LilDirt_7:
(Start: 10 @4017 has 14 MA's), (Start: 12 @4029 has 4 MA's), (Start: 17 @4083 has 4 MA's), (Start: 20 @4095 has 5 MA's), (34, 4191), (37, 4227), (50, 4308), (51, 4311), (52, 4326), (54, 4335), (59, 4383), (62, 4410), (64, 4458), (67, 4476), (76, 4587), (77, 4593), (79, 4626), (81, 4656), (82, 4677), (86, 4710), (87, 4734), (105, 4851), (110, 4893), (115, 4953), (124, 5016), (126, 5031), (128, 5040), (140, 5112), (150, 5175), (152, 5196), (153, 5199), (154, 5205), (160, 5238), (163, 5271), (169, 5343), (172, 5361), (183, 5445), (184, 5451), (185, 5454), (188, 5478), (189, 5487), (191, 5499), (199, 5562), (200, 5583), (205, 5634), (227, 5760), (228, 5766), (230, 5781), (241, 5874), (244, 5907), (245, 5913), (249, 5928), (273, 6075), (276, 6108), (291, 6288), (295, 6321), (298, 6345), (312, 6525), (313, 6528), (317, 6549), (320, 6567), (325, 6615), (332, 6687), (339, 6729), (340, 6738), (342, 6765), (343, 6777), (345, 6816), (348, 6834), (353, 6867),

Gene: LilPharaoh_6 Start: 3868, Stop: 6339, Start Num: 20
Candidate Starts for LilPharaoh_6:
(Start: 8 @3784 has 58 MA's), (Start: 20 @3868 has 5 MA's), (29, 3934), (38, 4006), (44, 4060), (58, 4171), (59, 4195), (64, 4270), (76, 4396), (77, 4402), (79, 4435), (86, 4519), (99, 4615), (112, 4702), (116, 4744), (124, 4804), (128, 4828), (133, 4846), (145, 4921), (148, 4945), (152, 4984), (154, 4993), (156, 5005), (160, 5026), (161, 5035), (163, 5059), (164, 5071), (166, 5089), (180, 5212), (182, 5224), (192, 5296), (204, 5398), (216, 5473), (218, 5479), (220, 5482), (225, 5500), (233, 5515), (257, 5614), (259, 5623), (271, 5671), (282, 5695), (289, 5749), (305, 5923), (307, 5935), (312, 5974), (320, 6016), (327, 6076), (331, 6133), (332, 6136), (334, 6154), (342, 6214), (343, 6226), (349, 6286),

Gene: LindNT_10 Start: 4553, Stop: 7063, Start Num: 16
Candidate Starts for LindNT_10:
(Start: 8 @4493 has 58 MA's), (Start: 16 @4553 has 50 MA's), (19, 4574), (Start: 20 @4577 has 5 MA's), (Start: 25 @4619 has 1 MA's), (29, 4643), (35, 4676), (38, 4715), (58, 4880), (59, 4904), (64, 4979), (76, 5108), (81, 5177), (86, 5231), (96, 5315), (101, 5339), (112, 5414), (116, 5456), (121, 5495), (124, 5516), (128, 5540), (133, 5558), (148, 5657), (152, 5696), (154, 5705), (156, 5717), (162, 5765), (163, 5771), (164, 5783), (166, 5801), (199, 6062), (200, 6083), (215, 6188), (216, 6194), (220, 6203), (225, 6221), (233, 6236), (259, 6338), (269, 6383), (273, 6395), (298, 6542), (305, 6638), (320, 6731), (327, 6791), (332, 6851), (335, 6872), (342, 6938), (343, 6950), (348, 7007), (353, 7040),

Gene: Llorens_10 Start: 4628, Stop: 7138, Start Num: 16
Candidate Starts for Llorens_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: Lokum_10 Start: 4628, Stop: 7138, Start Num: 16
Candidate Starts for Lokum_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: LouisV14_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for LouisV14_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Lunahalos_10 Start: 4628, Stop: 7138, Start Num: 16
Candidate Starts for Lunahalos_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: MOOREtheMARYer_4 Start: 3465, Stop: 6362, Start Num: 11
Candidate Starts for MOOREtheMARYer_4:
(Start: 11 @3465 has 83 MA's), (55, 3783), (64, 3906), (75, 4032), (86, 4161), (90, 4203), (92, 4242), (109, 4317), (112, 4338), (115, 4377), (116, 4380), (119, 4398), (120, 4410), (131, 4473), (142, 4545), (155, 4632), (177, 4809), (195, 4929), (197, 4950), (217, 5094), (234, 5214), (236, 5241), (243, 5307), (252, 5364), (255, 5376), (298, 5775), (300, 5784), (314, 5976), (318, 6012), (323, 6042), (324, 6057), (327, 6093), (332, 6153), (341, 6228), (342, 6231), (343, 6243), (346, 6288), (347, 6297), (352, 6336),

Gene: MZKinsey_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for MZKinsey_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: MacKat_10 Start: 4544, Stop: 7114, Start Num: 8
Candidate Starts for MacKat_10:
(Start: 8 @4544 has 58 MA's), (Start: 16 @4604 has 50 MA's), (Start: 20 @4628 has 5 MA's), (Start: 25 @4670 has 1 MA's), (27, 4682), (29, 4694), (51, 4883), (58, 4931), (59, 4955), (64, 5030), (76, 5159), (77, 5165), (79, 5198), (81, 5228), (86, 5282), (96, 5366), (101, 5390), (112, 5465), (116, 5507), (121, 5546), (124, 5567), (128, 5591), (133, 5609), (148, 5708), (152, 5747), (154, 5756), (156, 5768), (162, 5816), (163, 5822), (164, 5834), (166, 5852), (199, 6113), (200, 6134), (215, 6239), (216, 6245), (220,

6254), (225, 6272), (233, 6287), (259, 6389), (269, 6434), (273, 6446), (298, 6593), (320, 6782), (327, 6842), (331, 6899), (332, 6902), (336, 6932), (342, 6989), (343, 7001), (349, 7061), (353, 7091),

Gene: MacnCheese_10 Start: 4634, Stop: 7237, Start Num: 8
Candidate Starts for MacnCheese_10:
(Start: 8 @4634 has 58 MA's), (Start: 20 @4721 has 5 MA's), (38, 4859), (39, 4868), (44, 4910), (46, 4922), (58, 5021), (59, 5045), (64, 5120), (73, 5219), (76, 5252), (77, 5258), (79, 5291), (86, 5375), (88, 5408), (99, 5495), (101, 5507), (111, 5570), (112, 5582), (121, 5663), (124, 5684), (126, 5699), (127, 5705), (128, 5708), (141, 5783), (142, 5789), (154, 5873), (160, 5906), (163, 5939), (183, 6113), (185, 6122), (189, 6155), (199, 6230), (205, 6302), (206, 6308), (260, 6476), (272, 6521), (297, 6683), (298, 6692), (305, 6821), (306, 6830), (307, 6833), (315, 6881), (317, 6896), (320, 6914), (325, 6962), (332, 7034), (334, 7052), (338, 7073), (339, 7076), (340, 7085), (342, 7112), (343, 7124), (345, 7163), (353, 7214),

Gene: Maliketh_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Maliketh_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Malthus_11 Start: 5489, Stop: 8167, Start Num: 9
Candidate Starts for Malthus_11:
(Start: 9 @5489 has 24 MA's), (14, 5531), (Start: 20 @5567 has 5 MA's), (21, 5576), (35, 5666), (36, 5693), (38, 5705), (50, 5795), (58, 5846), (62, 5897), (64, 5945), (65, 5948), (66, 5960), (68, 5969), (72, 6041), (76, 6074), (77, 6080), (81, 6140), (86, 6194), (114, 6458), (127, 6560), (131, 6572), (156, 6740), (166, 6824), (171, 6875), (174, 6905), (187, 6992), (199, 7085), (209, 7178), (212, 7199), (213, 7211), (222, 7238), (223, 7241), (231, 7259), (248, 7340), (253, 7367), (265, 7430), (267, 7445), (268, 7454), (270, 7457), (298, 7622), (312, 7802), (320, 7844), (327, 7904), (332, 7964), (342, 8042),

Gene: Marmie_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Marmie_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Mdavu_6 Start: 3784, Stop: 6327, Start Num: 8
Candidate Starts for Mdavu_6:
(Start: 8 @3784 has 58 MA's), (Start: 20 @3868 has 5 MA's), (29, 3934), (38, 4006), (44, 4060), (58, 4171), (59, 4195), (64, 4270), (76, 4396), (77, 4402), (79, 4435), (86, 4519), (99, 4615), (112, 4702), (116, 4744), (124, 4804), (128, 4828), (133, 4846), (145, 4921), (148, 4945), (152, 4984), (154, 4993), (156, 5005), (160, 5026), (161, 5035), (163, 5059), (166, 5077), (180, 5200), (182, 5212), (192, 5284), (204, 5386), (216, 5461), (218, 5467), (220, 5470), (225, 5488), (233, 5503), (257, 5602), (259, 5611), (271, 5659), (282, 5683), (289, 5737), (305, 5911), (307, 5923), (312, 5962), (320, 6004), (327, 6064), (331, 6121), (332, 6124), (334, 6142), (342, 6202), (343, 6214), (349, 6274),

Gene: MeaningOfLife_10 Start: 4497, Stop: 7067, Start Num: 8
Candidate Starts for MeaningOfLife_10:

(Start: 8 @4497 has 58 MA's), (Start: 16 @4557 has 50 MA's), (Start: 20 @4581 has 5 MA's), (Start: 25 @4623 has 1 MA's), (27, 4635), (29, 4647), (51, 4836), (58, 4884), (59, 4908), (64, 4983), (76, 5112), (77, 5118), (79, 5151), (81, 5181), (86, 5235), (96, 5319), (101, 5343), (112, 5418), (116, 5460), (121, 5499), (124, 5520), (128, 5544), (133, 5562), (148, 5661), (152, 5700), (154, 5709), (156, 5721), (162, 5769), (163, 5775), (164, 5787), (166, 5805), (199, 6066), (200, 6087), (215, 6192), (216, 6198), (220, 6207), (225, 6225), (233, 6240), (259, 6342), (269, 6387), (273, 6399), (298, 6546), (320, 6735), (327, 6795), (332, 6855), (336, 6885), (342, 6942), (343, 6954), (349, 7014),

Gene: Megsy_10 Start: 4493, Stop: 7066, Start Num: 8
Candidate Starts for Megsy_10:
(Start: 8 @4493 has 58 MA's), (Start: 16 @4553 has 50 MA's), (Start: 25 @4619 has 1 MA's), (35, 4676), (54, 4856), (58, 4880), (59, 4904), (64, 4979), (76, 5111), (77, 5117), (79, 5150), (81, 5180), (86, 5234), (96, 5318), (101, 5342), (112, 5417), (116, 5459), (118, 5471), (121, 5498), (124, 5519), (128, 5543), (133, 5561), (148, 5660), (152, 5699), (154, 5708), (156, 5720), (162, 5768), (163, 5774), (164, 5786), (166, 5804), (199, 6065), (200, 6086), (215, 6191), (216, 6197), (220, 6206), (225, 6224), (233, 6239), (259, 6341), (269, 6386), (273, 6398), (298, 6545), (305, 6641), (320, 6734), (327, 6794), (332, 6854), (335, 6875), (342, 6941), (343, 6953), (348, 7010), (353, 7043),

Gene: Miryou_8 Start: 4252, Stop: 7008, Start Num: 10
Candidate Starts for Miryou_8:
(Start: 10 @4252 has 14 MA's), (Start: 12 @4264 has 4 MA's), (Start: 20 @4330 has 5 MA's), (Start: 25 @4372 has 1 MA's), (34, 4426), (37, 4462), (50, 4543), (51, 4546), (57, 4582), (58, 4594), (59, 4618), (62, 4645), (64, 4693), (67, 4711), (76, 4822), (77, 4828), (79, 4861), (82, 4912), (86, 4945), (103, 5074), (105, 5077), (110, 5119), (112, 5140), (115, 5179), (116, 5182), (124, 5242), (126, 5257), (128, 5266), (136, 5308), (140, 5338), (146, 5365), (150, 5401), (154, 5431), (159, 5458), (160, 5464), (161, 5473), (183, 5671), (184, 5677), (188, 5704), (189, 5713), (191, 5725), (199, 5788), (200, 5809), (203, 5845), (205, 5860), (206, 5866), (224, 5950), (226, 5953), (234, 6004), (235, 6010), (237, 6025), (246, 6079), (249, 6091), (254, 6097), (291, 6406), (295, 6439), (298, 6463), (312, 6643), (313, 6646), (316, 6658), (320, 6685), (325, 6733), (332, 6805), (340, 6856), (342, 6883), (343, 6895), (345, 6934), (348, 6952), (353, 6985),

Gene: MissDaisy_11 Start: 5445, Stop: 8033, Start Num: 9
Candidate Starts for MissDaisy_11:
(Start: 9 @5445 has 24 MA's), (14, 5487), (Start: 20 @5523 has 5 MA's), (21, 5532), (35, 5622), (36, 5649), (38, 5661), (50, 5751), (58, 5802), (62, 5853), (64, 5901), (65, 5904), (66, 5916), (68, 5925), (72, 5997), (76, 6030), (77, 6036), (81, 6096), (86, 6150), (114, 6414), (127, 6516), (131, 6528), (156, 6696), (166, 6780), (171, 6831), (174, 6861), (199, 7041), (209, 7134), (212, 7155), (213, 7167), (222, 7194), (223, 7197), (231, 7215), (248, 7296), (253, 7323), (298, 7488), (312, 7668), (320, 7710), (327, 7770), (332, 7830), (342, 7908),

Gene: Mitti_11 Start: 5502, Stop: 8171, Start Num: 9
Candidate Starts for Mitti_11:
(Start: 9 @5502 has 24 MA's), (14, 5544), (Start: 20 @5580 has 5 MA's), (21, 5589), (35, 5679), (36, 5706), (38, 5718), (50, 5808), (58, 5859), (62, 5910), (64, 5958), (65, 5961), (66, 5973), (68, 5982), (72, 6054), (76, 6087), (77, 6093), (81, 6153), (86, 6207), (114, 6471), (127, 6573), (131, 6585), (156, 6753), (166, 6837), (171, 6888), (174, 6918), (187, 7005), (199, 7098), (209, 7191), (212, 7212), (213, 7224), (222, 7251), (223, 7254), (231, 7272), (248, 7353), (253, 7380), (262, 7416), (277, 7443), (279, 7452), (280, 7461), (298, 7626), (312, 7806), (320, 7848), (327, 7908), (332, 7968), (342, 8046),

Gene: Mowgli_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Mowgli_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116,

4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Murucutumbu_10 Start: 4553, Stop: 7057, Start Num: 16
Candidate Starts for Murucutumbu_10:
(2, 4385), (Start: 8 @4493 has 58 MA's), (Start: 16 @4553 has 50 MA's), (19, 4574), (Start: 20 @4577 has 5 MA's), (Start: 25 @4619 has 1 MA's), (29, 4643), (35, 4676), (38, 4715), (58, 4880), (59, 4904), (64, 4979), (81, 5177), (86, 5231), (96, 5315), (101, 5339), (112, 5414), (120, 5486), (124, 5516), (126, 5531), (128, 5540), (133, 5558), (148, 5657), (152, 5696), (154, 5705), (156, 5717), (163, 5771), (164, 5783), (166, 5801), (183, 5945), (199, 6062), (200, 6083), (216, 6194), (220, 6203), (225, 6221), (233, 6236), (259, 6341), (273, 6395), (290, 6467), (298, 6536), (305, 6632), (320, 6725), (327, 6785), (332, 6845), (342, 6932), (343, 6944), (349, 7004), (353, 7034),

Gene: Mynx_10 Start: 4607, Stop: 7117, Start Num: 16
Candidate Starts for Mynx_10:
(Start: 8 @4547 has 58 MA's), (Start: 16 @4607 has 50 MA's), (Start: 20 @4631 has 5 MA's), (Start: 25 @4673 has 1 MA's), (27, 4685), (29, 4697), (38, 4769), (51, 4886), (58, 4934), (59, 4958), (64, 5033), (76, 5162), (77, 5168), (79, 5201), (81, 5231), (86, 5285), (96, 5369), (101, 5393), (112, 5468), (116, 5510), (121, 5549), (124, 5570), (128, 5594), (133, 5612), (148, 5711), (152, 5750), (154, 5759), (156, 5771), (162, 5819), (163, 5825), (164, 5837), (166, 5855), (199, 6116), (200, 6137), (215, 6242), (216, 6248), (220, 6257), (225, 6275), (233, 6290), (259, 6392), (269, 6437), (273, 6449), (298, 6596), (320, 6785), (327, 6845), (331, 6902), (332, 6905), (336, 6935), (342, 6992), (343, 7004), (349, 7064),

Gene: Neighly_8 Start: 4017, Stop: 6890, Start Num: 10
Candidate Starts for Neighly_8:
(Start: 10 @4017 has 14 MA's), (Start: 12 @4029 has 4 MA's), (Start: 17 @4083 has 4 MA's), (Start: 20 @4095 has 5 MA's), (34, 4191), (37, 4227), (50, 4308), (51, 4311), (52, 4326), (54, 4335), (59, 4383), (62, 4410), (64, 4458), (67, 4476), (76, 4587), (77, 4593), (79, 4626), (81, 4656), (82, 4677), (86, 4710), (87, 4734), (105, 4851), (110, 4893), (115, 4953), (124, 5016), (126, 5031), (128, 5040), (140, 5112), (150, 5175), (152, 5196), (153, 5199), (154, 5205), (160, 5238), (163, 5271), (169, 5343), (172, 5361), (183, 5445), (184, 5451), (185, 5454), (188, 5478), (189, 5487), (191, 5499), (199, 5562), (200, 5583), (205, 5634), (227, 5760), (228, 5766), (230, 5781), (241, 5874), (244, 5907), (245, 5913), (249, 5928), (273, 6075), (276, 6108), (291, 6288), (295, 6321), (298, 6345), (312, 6525), (313, 6528), (317, 6549), (320, 6567), (325, 6615), (332, 6687), (339, 6729), (340, 6738), (342, 6765), (343, 6777), (345, 6816), (348, 6834), (353, 6867),

Gene: Neoh_4 Start: 3404, Stop: 6193, Start Num: 11
Candidate Starts for Neoh_4:
(Start: 11 @3404 has 83 MA's), (13, 3437), (14, 3446), (19, 3479), (30, 3551), (48, 3671), (59, 3770), (62, 3797), (64, 3845), (78, 4004), (79, 4019), (80, 4031), (86, 4103), (102, 4259), (112, 4334), (116, 4376), (119, 4394), (121, 4415), (124, 4436), (131, 4469), (132, 4475), (141, 4535), (148, 4577), (150, 4595), (154, 4625), (165, 4712), (166, 4721), (188, 4901), (191, 4922), (198, 4973), (199, 4985), (229, 5228), (273, 5465), (286, 5585), (304, 5732), (306, 5774), (307, 5777), (320, 5864), (327, 5924), (332, 5984), (342, 6062), (343, 6074), (346, 6119), (347, 6128), (349, 6134), (355, 6185),

Gene: Nikao_6 Start: 3868, Stop: 6339, Start Num: 20
Candidate Starts for Nikao_6:
(Start: 8 @3784 has 58 MA's), (Start: 20 @3868 has 5 MA's), (29, 3934), (38, 4006), (44, 4060), (58, 4171), (59, 4195), (64, 4270), (76, 4396), (77, 4402), (79, 4435), (86, 4519), (99, 4615), (112, 4702), (116, 4744), (124, 4804), (128, 4828), (133, 4846), (145, 4921), (148, 4945), (152, 4984), (154, 4993), (156, 5005), (160, 5026), (161, 5035), (163, 5059), (164, 5071), (166, 5089), (180, 5212), (182, 5224),

(192, 5296), (204, 5398), (216, 5473), (218, 5479), (220, 5482), (225, 5500), (233, 5515), (257, 5614), (259, 5623), (271, 5671), (282, 5695), (289, 5749), (305, 5923), (307, 5935), (312, 5974), (320, 6016), (327, 6076), (331, 6133), (332, 6136), (334, 6154), (342, 6214), (343, 6226), (349, 6286),

Gene: Nolwazi_11 Start: 5503, Stop: 8172, Start Num: 9
Candidate Starts for Nolwazi_11:
(Start: 9 @5503 has 24 MA's), (14, 5545), (Start: 20 @5581 has 5 MA's), (21, 5590), (35, 5680), (36, 5707), (38, 5719), (50, 5809), (58, 5860), (62, 5911), (64, 5959), (65, 5962), (66, 5974), (68, 5983), (72, 6055), (76, 6088), (77, 6094), (81, 6154), (86, 6208), (114, 6472), (127, 6574), (131, 6586), (156, 6754), (166, 6838), (171, 6889), (174, 6919), (187, 7006), (199, 7099), (209, 7192), (212, 7213), (213, 7225), (222, 7252), (223, 7255), (231, 7273), (248, 7354), (253, 7381), (262, 7417), (277, 7444), (279, 7453), (280, 7462), (298, 7627), (312, 7807), (320, 7849), (327, 7909), (332, 7969), (342, 8047),

Gene: November_8 Start: 4172, Stop: 6742, Start Num: 8
Candidate Starts for November_8:
(Start: 8 @4172 has 58 MA's), (35, 4355), (40, 4409), (45, 4454), (54, 4532), (59, 4580), (64, 4655), (66, 4670), (68, 4679), (72, 4751), (74, 4778), (76, 4784), (77, 4790), (79, 4820), (81, 4850), (86, 4904), (88, 4937), (101, 5015), (111, 5078), (112, 5090), (126, 5207), (128, 5216), (132, 5231), (141, 5291), (152, 5372), (154, 5381), (161, 5423), (163, 5447), (165, 5468), (181, 5603), (185, 5630), (189, 5663), (193, 5687), (199, 5738), (200, 5759), (205, 5810), (206, 5816), (211, 5849), (241, 5936), (259, 5984), (261, 5987), (263, 6002), (298, 6197), (299, 6203), (303, 6266), (305, 6326), (306, 6335), (307, 6338), (317, 6401), (320, 6419), (321, 6425), (325, 6467), (332, 6539), (338, 6578), (339, 6581), (340, 6590), (342, 6617), (343, 6629), (345, 6668), (348, 6686), (353, 6719),

Gene: Nutello_6 Start: 3784, Stop: 6339, Start Num: 8
Candidate Starts for Nutello_6:
(Start: 8 @3784 has 58 MA's), (Start: 20 @3868 has 5 MA's), (29, 3934), (38, 4006), (44, 4060), (58, 4171), (59, 4195), (64, 4270), (76, 4396), (77, 4402), (79, 4435), (86, 4519), (99, 4615), (112, 4702), (116, 4744), (124, 4804), (128, 4828), (133, 4846), (145, 4921), (148, 4945), (152, 4984), (154, 4993), (156, 5005), (160, 5026), (161, 5035), (163, 5059), (164, 5071), (166, 5089), (180, 5212), (182, 5224), (192, 5296), (204, 5398), (216, 5473), (218, 5479), (220, 5482), (225, 5500), (233, 5515), (257, 5614), (259, 5623), (271, 5671), (282, 5695), (289, 5749), (305, 5923), (307, 5935), (312, 5974), (320, 6016), (327, 6076), (331, 6133), (332, 6136), (334, 6154), (342, 6214), (343, 6226), (349, 6286),

Gene: OctaviousRex_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for OctaviousRex_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: OkiRoe_8 Start: 4253, Stop: 7009, Start Num: 10
Candidate Starts for OkiRoe_8:
(5, 4232), (Start: 10 @4253 has 14 MA's), (Start: 12 @4265 has 4 MA's), (Start: 20 @4331 has 5 MA's), (Start: 25 @4373 has 1 MA's), (34, 4427), (37, 4463), (50, 4544), (51, 4547), (57, 4583), (58, 4595), (59, 4619), (62, 4646), (64, 4694), (67, 4712), (76, 4823), (77, 4829), (79, 4862), (82, 4913), (86, 4946), (103, 5075), (105, 5078), (110, 5120), (115, 5180), (116, 5183), (124, 5243), (126, 5258), (128, 5267), (136, 5309), (140, 5339), (146, 5366), (150, 5402), (154, 5432), (159, 5459), (160, 5465), (161, 5474), (183, 5672), (184, 5678), (185, 5681), (188, 5705), (189, 5714), (191, 5726), (199, 5789), (200, 5810), (203, 5846), (205, 5861), (206, 5867), (224, 5951), (234, 6005), (235, 6011), (237, 6026), (246, 6080), (249, 6092), (254, 6098), (273, 6194), (291, 6407), (295, 6440), (298, 6464), (312, 6644), (313,

6647), (316, 6659), (320, 6686), (325, 6734), (332, 6806), (340, 6857), (342, 6884), (343, 6896), (345, 6935), (353, 6986),

Gene: Olga_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Olga_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: OmniCritical_11 Start: 5489, Stop: 8158, Start Num: 9
Candidate Starts for OmniCritical_11:
(Start: 9 @5489 has 24 MA's), (14, 5531), (Start: 20 @5567 has 5 MA's), (21, 5576), (35, 5666), (36, 5693), (38, 5705), (50, 5795), (58, 5846), (62, 5897), (64, 5945), (65, 5948), (66, 5960), (68, 5969), (72, 6041), (76, 6074), (77, 6080), (81, 6140), (86, 6194), (114, 6458), (127, 6560), (131, 6572), (156, 6740), (166, 6824), (171, 6875), (174, 6905), (187, 6992), (199, 7085), (209, 7178), (212, 7199), (213, 7211), (222, 7238), (223, 7241), (231, 7259), (248, 7340), (253, 7367), (262, 7403), (277, 7430), (279, 7439), (280, 7448), (291, 7556), (298, 7613), (312, 7793), (320, 7835), (327, 7895), (332, 7955), (342, 8033),

Gene: Pace1224_4 Start: 3425, Stop: 6340, Start Num: 11
Candidate Starts for Pace1224_4:
(Start: 11 @3425 has 83 MA's), (19, 3500), (Start: 25 @3545 has 1 MA's), (49, 3701), (58, 3770), (64, 3869), (75, 3992), (80, 4049), (86, 4121), (92, 4199), (106, 4235), (112, 4295), (119, 4355), (122, 4379), (134, 4442), (139, 4481), (142, 4502), (150, 4556), (151, 4568), (177, 4766), (195, 4886), (234, 5177), (240, 5240), (252, 5327), (265, 5390), (284, 5564), (298, 5738), (300, 5747), (302, 5762), (314, 5939), (323, 6005), (324, 6020), (327, 6056), (329, 6086), (332, 6116), (333, 6119), (337, 6167), (341, 6206), (342, 6209), (343, 6221), (346, 6266), (347, 6275), (352, 6314), (353, 6317),

Gene: Padfoot_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for Padfoot_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: Padpat_10 Start: 4587, Stop: 7097, Start Num: 16
Candidate Starts for Padpat_10:
(Start: 8 @4527 has 58 MA's), (Start: 16 @4587 has 50 MA's), (Start: 20 @4611 has 5 MA's), (Start: 25 @4653 has 1 MA's), (27, 4665), (29, 4677), (51, 4866), (58, 4914), (59, 4938), (64, 5013), (76, 5142), (77, 5148), (79, 5181), (81, 5211), (86, 5265), (96, 5349), (101, 5373), (112, 5448), (116, 5490), (121, 5529), (124, 5550), (128, 5574), (133, 5592), (148, 5691), (152, 5730), (154, 5739), (156, 5751), (162, 5799), (163, 5805), (164, 5817), (166, 5835), (199, 6096), (200, 6117), (215, 6222), (216, 6228), (220, 6237), (225, 6255), (233, 6270), (259, 6372), (269, 6417), (273, 6429), (298, 6576), (320, 6765), (327, 6825), (331, 6882), (332, 6885), (336, 6915), (342, 6972), (343, 6984), (349, 7044), (353, 7074),

Gene: Paito_4 Start: 3440, Stop: 6253, Start Num: 11
Candidate Starts for Paito_4:

(Start: 11 @3440 has 83 MA's), (14, 3482), (19, 3515), (23, 3551), (30, 3587), (48, 3707), (50, 3731), (51, 3734), (58, 3782), (59, 3806), (62, 3833), (64, 3881), (86, 4139), (100, 4283), (107, 4313), (109, 4349), (116, 4412), (119, 4430), (121, 4451), (131, 4505), (139, 4556), (141, 4571), (148, 4613), (150, 4631), (154, 4661), (188, 4937), (191, 4958), (198, 5009), (199, 5021), (202, 5069), (226, 5213), (229, 5264), (286, 5645), (296, 5744), (304, 5792), (307, 5837), (311, 5879), (320, 5924), (332, 6044), (342, 6122), (346, 6179), (347, 6188), (352, 6227), (354, 6233), (355, 6245),

Gene: Paola_8 Start: 4264, Stop: 7008, Start Num: 12
Candidate Starts for Paola_8:
(Start: 10 @4252 has 14 MA's), (Start: 12 @4264 has 4 MA's), (Start: 20 @4330 has 5 MA's), (Start: 25 @4372 has 1 MA's), (34, 4426), (37, 4462), (50, 4543), (51, 4546), (57, 4582), (58, 4594), (59, 4618), (62, 4645), (64, 4693), (67, 4711), (76, 4822), (77, 4828), (79, 4861), (82, 4912), (86, 4945), (103, 5074), (105, 5077), (110, 5119), (115, 5179), (116, 5182), (124, 5242), (126, 5257), (128, 5266), (136, 5308), (140, 5338), (146, 5365), (150, 5401), (154, 5431), (159, 5458), (160, 5464), (161, 5473), (183, 5671), (184, 5677), (185, 5680), (188, 5704), (189, 5713), (191, 5725), (199, 5788), (200, 5809), (203, 5845), (205, 5860), (206, 5866), (224, 5950), (226, 5953), (234, 6004), (235, 6010), (237, 6025), (246, 6079), (249, 6091), (254, 6097), (273, 6193), (274, 6211), (291, 6406), (295, 6439), (298, 6463), (312, 6643), (313, 6646), (316, 6658), (320, 6685), (325, 6733), (332, 6805), (340, 6856), (342, 6883), (343, 6895), (344, 6925), (345, 6934), (353, 6985),

Gene: Patt_11 Start: 5421, Stop: 8009, Start Num: 9
Candidate Starts for Patt_11:
(Start: 9 @5421 has 24 MA's), (14, 5463), (Start: 20 @5499 has 5 MA's), (21, 5508), (35, 5598), (36, 5625), (38, 5637), (50, 5727), (58, 5778), (62, 5829), (64, 5877), (65, 5880), (66, 5892), (68, 5901), (72, 5973), (76, 6006), (77, 6012), (81, 6072), (86, 6126), (114, 6390), (127, 6492), (131, 6504), (156, 6672), (166, 6756), (171, 6807), (174, 6837), (199, 7017), (209, 7110), (212, 7131), (213, 7143), (222, 7170), (223, 7173), (231, 7191), (248, 7272), (253, 7299), (298, 7464), (312, 7644), (320, 7686), (327, 7746), (332, 7806), (342, 7884),

Gene: Peeb_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Peeb_4:
(Start: 11 @3403 has 83 MA's), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (51, 3697), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (166, 4720), (188, 4900), (191, 4921), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Peel_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for Peel_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (172, 5936), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: Periodt_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Periodt_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112,

4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Pharb_9 Start: 4219, Stop: 6870, Start Num: 8
Candidate Starts for Pharb_9:
(Start: 8 @4219 has 58 MA's), (Start: 20 @4306 has 5 MA's), (22, 4324), (33, 4393), (38, 4444), (39, 4453), (41, 4480), (59, 4633), (62, 4660), (64, 4708), (76, 4840), (77, 4846), (79, 4879), (86, 4963), (99, 5089), (101, 5101), (111, 5164), (112, 5176), (124, 5278), (126, 5293), (127, 5299), (128, 5302), (139, 5362), (141, 5377), (142, 5383), (154, 5467), (160, 5500), (163, 5533), (185, 5716), (186, 5719), (188, 5740), (189, 5749), (199, 5824), (205, 5896), (258, 6100), (260, 6109), (272, 6154), (298, 6322), (305, 6451), (320, 6544), (325, 6592), (332, 6664), (338, 6703), (339, 6706), (340, 6715), (342, 6742), (343, 6754), (345, 6793), (353, 6847),

Gene: Phish_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Phish_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Phloodle_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Phloodle_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Phreak_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Phreak_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Piatt_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for Piatt_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: PinkYoshi_4 Start: 3403, Stop: 6192, Start Num: 11

Candidate Starts for PinkYoshi_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Pinnie_5 Start: 3932, Stop: 6832, Start Num: 11
Candidate Starts for Pinnie_5:
(Start: 11 @3932 has 83 MA's), (55, 4250), (64, 4373), (75, 4499), (86, 4628), (90, 4670), (92, 4709), (109, 4784), (112, 4805), (115, 4844), (116, 4847), (119, 4865), (120, 4877), (131, 4940), (142, 5012), (155, 5099), (177, 5276), (195, 5396), (197, 5417), (217, 5564), (234, 5684), (243, 5777), (252, 5834), (298, 6245), (300, 6254), (306, 6395), (310, 6425), (314, 6446), (319, 6488), (323, 6512), (324, 6527), (327, 6563), (332, 6623), (341, 6698), (342, 6701), (343, 6713), (346, 6758), (347, 6767),

Gene: Pisa1_9 Start: 4347, Stop: 6863, Start Num: 16
Candidate Starts for Pisa1_9:
(Start: 8 @4287 has 58 MA's), (Start: 16 @4347 has 50 MA's), (Start: 20 @4371 has 5 MA's), (Start: 25 @4413 has 1 MA's), (29, 4437), (38, 4509), (54, 4650), (58, 4674), (59, 4698), (64, 4773), (76, 4905), (77, 4911), (79, 4944), (81, 4974), (86, 5028), (96, 5112), (101, 5136), (112, 5211), (120, 5283), (124, 5313), (126, 5328), (128, 5337), (133, 5355), (148, 5454), (152, 5493), (154, 5502), (156, 5514), (163, 5568), (164, 5580), (166, 5598), (199, 5859), (200, 5880), (216, 5991), (220, 6000), (225, 6018), (233, 6033), (273, 6189), (298, 6342), (305, 6438), (320, 6531), (327, 6591), (331, 6648), (332, 6651), (342, 6738), (343, 6750), (349, 6810),

Gene: Pisa4_9 Start: 4347, Stop: 6863, Start Num: 16
Candidate Starts for Pisa4_9:
(Start: 8 @4287 has 58 MA's), (Start: 16 @4347 has 50 MA's), (Start: 20 @4371 has 5 MA's), (Start: 25 @4413 has 1 MA's), (29, 4437), (38, 4509), (54, 4650), (58, 4674), (59, 4698), (64, 4773), (76, 4905), (77, 4911), (79, 4944), (81, 4974), (86, 5028), (96, 5112), (101, 5136), (112, 5211), (120, 5283), (124, 5313), (126, 5328), (128, 5337), (133, 5355), (148, 5454), (152, 5493), (154, 5502), (156, 5514), (163, 5568), (164, 5580), (166, 5598), (199, 5859), (200, 5880), (216, 5991), (220, 6000), (225, 6018), (233, 6033), (273, 6189), (298, 6342), (305, 6438), (320, 6531), (327, 6591), (331, 6648), (332, 6651), (342, 6738), (343, 6750), (349, 6810),

Gene: Pixie_9 Start: 4178, Stop: 6769, Start Num: 8
Candidate Starts for Pixie_9:
(Start: 8 @4178 has 58 MA's), (Start: 20 @4265 has 5 MA's), (38, 4403), (39, 4412), (51, 4517), (59, 4589), (62, 4616), (64, 4664), (72, 4760), (76, 4793), (77, 4799), (79, 4832), (82, 4883), (86, 4916), (93, 5000), (99, 5033), (101, 5045), (105, 5054), (111, 5108), (112, 5120), (123, 5210), (126, 5237), (127, 5243), (128, 5246), (141, 5321), (142, 5327), (154, 5411), (160, 5444), (163, 5477), (166, 5507), (181, 5633), (185, 5660), (189, 5693), (199, 5768), (206, 5846), (260, 6014), (272, 6059), (298, 6224), (305, 6353), (317, 6428), (320, 6446), (325, 6494), (331, 6563), (332, 6566), (338, 6605), (339, 6608), (340, 6617), (342, 6644), (343, 6656), (345, 6695), (353, 6746),

Gene: Plagueis_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Plagueis_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327,

5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Pokerus_9 Start: 4541, Stop: 7051, Start Num: 16
Candidate Starts for Pokerus_9:
(Start: 8 @4481 has 58 MA's), (Start: 16 @4541 has 50 MA's), (Start: 20 @4565 has 5 MA's), (Start: 25 @4607 has 1 MA's), (27, 4619), (29, 4631), (51, 4820), (58, 4868), (59, 4892), (64, 4967), (76, 5096), (77, 5102), (79, 5135), (81, 5165), (86, 5219), (96, 5303), (101, 5327), (112, 5402), (116, 5444), (121, 5483), (124, 5504), (128, 5528), (133, 5546), (148, 5645), (152, 5684), (154, 5693), (156, 5705), (162, 5753), (163, 5759), (164, 5771), (166, 5789), (199, 6050), (200, 6071), (215, 6176), (216, 6182), (220, 6191), (225, 6209), (233, 6224), (259, 6326), (269, 6371), (273, 6383), (292, 6479), (298, 6530), (320, 6719), (327, 6779), (332, 6839), (342, 6926), (343, 6938), (349, 6998),

Gene: Primanti_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Primanti_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Prithvi_10 Start: 4553, Stop: 7063, Start Num: 16
Candidate Starts for Prithvi_10:
(Start: 8 @4493 has 58 MA's), (Start: 16 @4553 has 50 MA's), (19, 4574), (Start: 20 @4577 has 5 MA's), (Start: 25 @4619 has 1 MA's), (29, 4643), (35, 4676), (38, 4715), (58, 4880), (59, 4904), (64, 4979), (76, 5108), (81, 5177), (86, 5231), (96, 5315), (101, 5339), (112, 5414), (116, 5456), (121, 5495), (124, 5516), (128, 5540), (133, 5558), (148, 5657), (152, 5696), (154, 5705), (156, 5717), (162, 5765), (163, 5771), (164, 5783), (166, 5801), (199, 6062), (200, 6083), (215, 6188), (216, 6194), (220, 6203), (225, 6221), (233, 6236), (259, 6338), (269, 6383), (273, 6395), (298, 6542), (305, 6638), (320, 6731), (327, 6791), (332, 6851), (335, 6872), (342, 6938), (343, 6950), (348, 7007), (353, 7040),

Gene: Psycho_8 Start: 4343, Stop: 7021, Start Num: 17
Candidate Starts for Psycho_8:
(Start: 10 @4277 has 14 MA's), (Start: 12 @4289 has 4 MA's), (Start: 17 @4343 has 4 MA's), (Start: 20 @4355 has 5 MA's), (Start: 25 @4397 has 1 MA's), (34, 4451), (37, 4487), (50, 4568), (51, 4571), (52, 4586), (54, 4595), (59, 4643), (62, 4670), (64, 4718), (67, 4736), (76, 4847), (77, 4853), (81, 4916), (82, 4937), (86, 4970), (87, 4994), (105, 5111), (110, 5153), (112, 5174), (115, 5213), (124, 5276), (126, 5291), (128, 5300), (140, 5372), (150, 5435), (152, 5456), (153, 5459), (154, 5465), (160, 5498), (161, 5507), (163, 5531), (169, 5603), (183, 5705), (184, 5711), (185, 5714), (188, 5738), (189, 5747), (191, 5759), (199, 5822), (200, 5843), (205, 5894), (242, 6014), (244, 6038), (245, 6044), (249, 6059), (273, 6206), (291, 6419), (295, 6452), (298, 6476), (312, 6656), (313, 6659), (317, 6680), (320, 6698), (325, 6746), (332, 6818), (339, 6860), (340, 6869), (342, 6896), (343, 6908), (345, 6947), (348, 6965), (353, 6998),

Gene: Qhanda_11 Start: 5499, Stop: 8267, Start Num: 9
Candidate Starts for Qhanda_11:
(Start: 9 @5499 has 24 MA's), (14, 5541), (Start: 20 @5577 has 5 MA's), (21, 5586), (35, 5676), (36, 5703), (38, 5715), (50, 5805), (58, 5856), (62, 5907), (64, 5955), (65, 5958), (66, 5970), (68, 5979), (72, 6051), (76, 6084), (77, 6090), (81, 6150), (86, 6204), (114, 6468), (127, 6570), (131, 6582), (156, 6750), (166, 6834), (171, 6885), (174, 6915), (187, 7002), (199, 7095), (209, 7188), (212, 7209), (213, 7221), (222, 7248), (223, 7251), (231, 7269), (248, 7350), (253, 7377), (262, 7413), (265, 7440), (267, 7455), (268, 7464), (270, 7467), (275, 7503), (277, 7530), (278, 7539), (279, 7548), (280, 7557), (298, 7722), (312, 7902), (320, 7944), (327, 8004), (332, 8064), (342, 8142),

Gene: QuincyRose_9 Start: 4604, Stop: 7114, Start Num: 16
Candidate Starts for QuincyRose_9:
(Start: 8 @4544 has 58 MA's), (Start: 16 @4604 has 50 MA's), (Start: 20 @4628 has 5 MA's), (Start: 25 @4670 has 1 MA's), (27, 4682), (29, 4694), (51, 4883), (58, 4931), (59, 4955), (64, 5030), (76, 5159), (77, 5165), (79, 5198), (81, 5228), (86, 5282), (96, 5366), (101, 5390), (112, 5465), (116, 5507), (121, 5546), (124, 5567), (128, 5591), (133, 5609), (148, 5708), (152, 5747), (154, 5756), (156, 5768), (162, 5816), (163, 5822), (164, 5834), (166, 5852), (199, 6113), (200, 6134), (215, 6239), (216, 6245), (220, 6254), (225, 6272), (233, 6287), (259, 6389), (269, 6434), (273, 6446), (298, 6593), (320, 6782), (327, 6842), (331, 6899), (332, 6902), (336, 6932), (342, 6989), (343, 7001), (349, 7061),

Gene: Rabbs_4 Start: 3404, Stop: 6193, Start Num: 11
Candidate Starts for Rabbs_4:
(Start: 11 @3404 has 83 MA's), (13, 3437), (14, 3446), (19, 3479), (26, 3527), (30, 3551), (59, 3770), (62, 3797), (64, 3845), (86, 4103), (102, 4259), (107, 4277), (116, 4376), (119, 4394), (121, 4415), (143, 4544), (148, 4577), (150, 4595), (154, 4625), (166, 4721), (186, 4880), (188, 4901), (191, 4922), (198, 4973), (199, 4985), (219, 5144), (229, 5228), (247, 5357), (273, 5465), (286, 5585), (304, 5732), (320, 5864), (327, 5924), (332, 5984), (342, 6062), (346, 6119), (347, 6128), (349, 6134), (355, 6185),

Gene: Ramen_10 Start: 4584, Stop: 7094, Start Num: 16
Candidate Starts for Ramen_10:
(Start: 8 @4524 has 58 MA's), (Start: 16 @4584 has 50 MA's), (Start: 20 @4608 has 5 MA's), (Start: 25 @4650 has 1 MA's), (27, 4662), (29, 4674), (51, 4863), (58, 4911), (59, 4935), (64, 5010), (76, 5139), (77, 5145), (79, 5178), (81, 5208), (86, 5262), (96, 5346), (101, 5370), (112, 5445), (116, 5487), (121, 5526), (124, 5547), (128, 5571), (133, 5589), (148, 5688), (152, 5727), (154, 5736), (156, 5748), (162, 5796), (163, 5802), (164, 5814), (166, 5832), (175, 5916), (199, 6093), (200, 6114), (215, 6219), (216, 6225), (220, 6234), (225, 6252), (233, 6267), (259, 6369), (269, 6414), (273, 6426), (298, 6573), (320, 6762), (327, 6822), (332, 6882), (336, 6912), (342, 6969), (343, 6981), (349, 7041),

Gene: Rapunzel97_10 Start: 4584, Stop: 7094, Start Num: 16
Candidate Starts for Rapunzel97_10:
(Start: 8 @4524 has 58 MA's), (Start: 16 @4584 has 50 MA's), (Start: 20 @4608 has 5 MA's), (Start: 25 @4650 has 1 MA's), (27, 4662), (29, 4674), (44, 4800), (51, 4863), (58, 4911), (59, 4935), (64, 5010), (76, 5139), (77, 5145), (79, 5178), (81, 5208), (86, 5262), (96, 5346), (101, 5370), (112, 5445), (116, 5487), (121, 5526), (124, 5547), (128, 5571), (133, 5589), (148, 5688), (152, 5727), (154, 5736), (156, 5748), (162, 5796), (163, 5802), (164, 5814), (166, 5832), (175, 5916), (199, 6093), (200, 6114), (215, 6219), (216, 6225), (220, 6234), (225, 6252), (233, 6267), (259, 6369), (269, 6414), (273, 6426), (298, 6573), (320, 6762), (327, 6822), (332, 6882), (336, 6912), (342, 6969), (343, 6981), (349, 7041),

Gene: Rattrick_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Rattrick_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Remy19_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Remy19_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148,

4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Renaissance_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Renaissance_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Reptar3000_11 Start: 5420, Stop: 8008, Start Num: 9
Candidate Starts for Reptar3000_11:
(Start: 9 @5420 has 24 MA's), (14, 5462), (Start: 20 @5498 has 5 MA's), (21, 5507), (35, 5597), (36, 5624), (38, 5636), (50, 5726), (58, 5777), (62, 5828), (64, 5876), (65, 5879), (66, 5891), (68, 5900), (72, 5972), (76, 6005), (77, 6011), (81, 6071), (86, 6125), (114, 6389), (127, 6491), (131, 6503), (156, 6671), (166, 6755), (171, 6806), (174, 6836), (199, 7016), (209, 7109), (212, 7130), (213, 7142), (222, 7169), (223, 7172), (231, 7190), (248, 7271), (253, 7298), (298, 7463), (312, 7643), (320, 7685), (327, 7745), (332, 7805), (342, 7883),

Gene: Richarlison_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Richarlison_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Rosmarinus_10 Start: 4628, Stop: 7126, Start Num: 16
Candidate Starts for Rosmarinus_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (137, 5669), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6794), (327, 6854), (331, 6911), (332, 6914), (336, 6944), (342, 7001), (343, 7013), (349, 7073), (353, 7103),

Gene: Ruriko_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Ruriko_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Ruthiejr_10 Start: 5219, Stop: 7876, Start Num: 9
Candidate Starts for Ruthiejr_10:

(4, 5177), (Start: 9 @5219 has 24 MA's), (14, 5261), (Start: 20 @5297 has 5 MA's), (21, 5306), (24, 5333), (32, 5378), (35, 5396), (36, 5423), (38, 5435), (44, 5465), (47, 5483), (50, 5525), (62, 5627), (64, 5675), (65, 5678), (66, 5690), (68, 5699), (69, 5723), (72, 5771), (76, 5804), (77, 5810), (81, 5870), (86, 5924), (114, 6182), (123, 6251), (127, 6284), (131, 6296), (134, 6308), (156, 6464), (166, 6548), (167, 6566), (170, 6596), (171, 6599), (187, 6716), (198, 6797), (199, 6809), (223, 6965), (248, 7052), (265, 7139), (267, 7154), (268, 7163), (288, 7232), (298, 7331), (312, 7511), (327, 7613), (332, 7673), (342, 7751),

Gene: SamScheppers_9 Start: 5096, Stop: 7774, Start Num: 9
Candidate Starts for SamScheppers_9:
(Start: 9 @5096 has 24 MA's), (14, 5138), (Start: 20 @5174 has 5 MA's), (21, 5183), (35, 5273), (36, 5300), (38, 5312), (50, 5402), (58, 5453), (62, 5504), (64, 5552), (65, 5555), (66, 5567), (68, 5576), (72, 5648), (76, 5681), (77, 5687), (81, 5747), (86, 5801), (114, 6065), (127, 6167), (131, 6179), (156, 6347), (166, 6431), (171, 6482), (174, 6512), (187, 6599), (199, 6692), (209, 6785), (212, 6806), (213, 6818), (222, 6845), (223, 6848), (231, 6866), (248, 6947), (253, 6974), (265, 7037), (267, 7052), (268, 7061), (270, 7064), (298, 7229), (312, 7409), (320, 7451), (327, 7511), (332, 7571), (342, 7649),

Gene: SamuelLPlaqson_10 Start: 4551, Stop: 7046, Start Num: 16
Candidate Starts for SamuelLPlaqson_10:
(2, 4383), (Start: 8 @4491 has 58 MA's), (Start: 16 @4551 has 50 MA's), (19, 4572), (22, 4593), (29, 4641), (38, 4713), (58, 4878), (59, 4902), (64, 4977), (76, 5109), (77, 5115), (79, 5148), (81, 5178), (86, 5232), (96, 5316), (101, 5340), (112, 5415), (121, 5496), (124, 5517), (126, 5532), (128, 5541), (133, 5559), (148, 5658), (152, 5697), (154, 5706), (156, 5718), (162, 5766), (163, 5772), (164, 5784), (166, 5802), (198, 6051), (199, 6063), (200, 6084), (216, 6195), (220, 6204), (225, 6222), (233, 6237), (259, 6339), (298, 6525), (305, 6621), (320, 6714), (327, 6774), (332, 6834), (342, 6921), (343, 6933), (348, 6990), (353, 7023),

Gene: Schiebel_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Schiebel_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: SgtBeansprout_6 Start: 3868, Stop: 6339, Start Num: 20
Candidate Starts for SgtBeansprout_6:
(Start: 8 @3784 has 58 MA's), (Start: 20 @3868 has 5 MA's), (29, 3934), (38, 4006), (44, 4060), (58, 4171), (59, 4195), (64, 4270), (76, 4396), (77, 4402), (79, 4435), (86, 4519), (99, 4615), (112, 4702), (116, 4744), (124, 4804), (128, 4828), (133, 4846), (145, 4921), (148, 4945), (152, 4984), (154, 4993), (156, 5005), (160, 5026), (161, 5035), (163, 5059), (164, 5071), (166, 5089), (180, 5212), (182, 5224), (192, 5296), (204, 5398), (216, 5473), (218, 5479), (220, 5482), (225, 5500), (233, 5515), (257, 5614), (259, 5623), (271, 5671), (282, 5695), (289, 5749), (305, 5923), (307, 5935), (312, 5974), (320, 6016), (327, 6076), (331, 6133), (332, 6136), (334, 6154), (342, 6214), (343, 6226), (349, 6286),

Gene: ShaboiShabazz_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for ShaboiShabazz_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332,

5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: ShedlockHolmes_9 Start: 4427, Stop: 7018, Start Num: 8
Candidate Starts for ShedlockHolmes_9:
(Start: 8 @4427 has 58 MA's), (Start: 20 @4514 has 5 MA's), (38, 4652), (39, 4661), (51, 4766), (59, 4838), (62, 4865), (64, 4913), (72, 5009), (76, 5042), (77, 5048), (79, 5081), (82, 5132), (86, 5165), (93, 5249), (99, 5282), (101, 5294), (105, 5303), (111, 5357), (112, 5369), (123, 5459), (126, 5486), (127, 5492), (128, 5495), (141, 5570), (142, 5576), (154, 5660), (160, 5693), (163, 5726), (166, 5756), (181, 5882), (185, 5909), (189, 5942), (199, 6017), (206, 6095), (260, 6263), (272, 6308), (298, 6473), (305, 6602), (317, 6677), (320, 6695), (325, 6743), (331, 6812), (332, 6815), (338, 6854), (339, 6857), (340, 6866), (342, 6893), (343, 6905), (345, 6944), (353, 6995),

Gene: ShiaSurprise_10 Start: 4628, Stop: 7138, Start Num: 16
Candidate Starts for ShiaSurprise_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: Sizemore_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Sizemore_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Slarp_11 Start: 5499, Stop: 8258, Start Num: 9
Candidate Starts for Slarp_11:
(Start: 9 @5499 has 24 MA's), (14, 5541), (Start: 20 @5577 has 5 MA's), (21, 5586), (35, 5676), (36, 5703), (38, 5715), (50, 5805), (58, 5856), (62, 5907), (64, 5955), (65, 5958), (66, 5970), (68, 5979), (72, 6051), (76, 6084), (77, 6090), (81, 6150), (86, 6204), (114, 6468), (127, 6570), (131, 6582), (156, 6750), (166, 6834), (171, 6885), (174, 6915), (187, 7002), (199, 7095), (209, 7188), (212, 7209), (213, 7221), (222, 7248), (223, 7251), (231, 7269), (248, 7350), (253, 7377), (262, 7413), (265, 7440), (267, 7455), (268, 7464), (270, 7467), (275, 7503), (277, 7530), (279, 7539), (280, 7548), (298, 7713), (312, 7893), (320, 7935), (327, 7995), (332, 8055), (342, 8133),

Gene: Slimphazie_10 Start: 4584, Stop: 7094, Start Num: 16
Candidate Starts for Slimphazie_10:
(Start: 8 @4524 has 58 MA's), (Start: 16 @4584 has 50 MA's), (Start: 20 @4608 has 5 MA's), (Start: 25 @4650 has 1 MA's), (27, 4662), (29, 4674), (51, 4863), (58, 4911), (59, 4935), (64, 5010), (76, 5139), (77, 5145), (79, 5178), (81, 5208), (86, 5262), (96, 5346), (101, 5370), (112, 5445), (116, 5487), (121, 5526), (124, 5547), (128, 5571), (133, 5589), (148, 5688), (152, 5727), (154, 5736), (156, 5748), (162, 5796), (163, 5802), (164, 5814), (166, 5832), (175, 5916), (199, 6093), (200, 6114), (215, 6219), (216, 6225), (220, 6234), (225, 6252), (233, 6267), (259, 6369), (269, 6414), (273, 6426), (298, 6573), (320, 6762), (327, 6822), (332, 6882), (336, 6912), (342, 6969), (343, 6981), (349, 7041),

Gene: Sneeze_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Sneeze_4:

(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (59, 3769), (62, 3796), (64, 3844), (86, 4102), (102, 4258), (107, 4276), (116, 4375), (119, 4393), (121, 4414), (143, 4543), (148, 4576), (150, 4594), (154, 4624), (166, 4720), (186, 4879), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (219, 5143), (229, 5227), (247, 5356), (273, 5464), (286, 5584), (304, 5731), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: SoSeph_8 Start: 4274, Stop: 7135, Start Num: 10
Candidate Starts for SoSeph_8:
(Start: 10 @4274 has 14 MA's), (Start: 12 @4286 has 4 MA's), (Start: 20 @4352 has 5 MA's), (Start: 25 @4394 has 1 MA's), (34, 4448), (37, 4484), (50, 4565), (51, 4568), (57, 4604), (58, 4616), (59, 4640), (62, 4667), (64, 4715), (67, 4733), (76, 4844), (77, 4850), (79, 4883), (82, 4934), (86, 4967), (103, 5096), (105, 5099), (110, 5141), (112, 5162), (115, 5201), (116, 5204), (124, 5264), (126, 5279), (128, 5288), (136, 5330), (140, 5360), (146, 5387), (150, 5423), (154, 5453), (159, 5480), (160, 5486), (161, 5495), (183, 5693), (184, 5699), (185, 5702), (188, 5726), (189, 5735), (191, 5747), (199, 5810), (200, 5831), (205, 5882), (206, 5888), (226, 5975), (227, 6008), (228, 6014), (232, 6035), (238, 6098), (239, 6101), (242, 6128), (244, 6152), (264, 6272), (274, 6338), (287, 6473), (291, 6533), (295, 6566), (298, 6590), (312, 6770), (313, 6773), (320, 6812), (325, 6860), (332, 6932), (340, 6983), (342, 7010), (343, 7022), (345, 7061), (348, 7079), (353, 7112),

Gene: Spock_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for Spock_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: Stargaze_4 Start: 3494, Stop: 6403, Start Num: 11
Candidate Starts for Stargaze_4:
(Start: 11 @3494 has 83 MA's), (24, 3608), (26, 3617), (58, 3833), (64, 3935), (75, 4061), (81, 4136), (86, 4190), (90, 4232), (92, 4271), (109, 4346), (112, 4367), (115, 4406), (116, 4409), (120, 4439), (124, 4469), (127, 4490), (131, 4502), (139, 4553), (142, 4574), (152, 4649), (154, 4658), (155, 4661), (177, 4838), (195, 4958), (197, 4979), (234, 5252), (252, 5405), (271, 5498), (298, 5816), (300, 5825), (302, 5840), (309, 5987), (318, 6053), (319, 6059), (323, 6083), (324, 6098), (327, 6134), (332, 6194), (340, 6245), (341, 6269), (342, 6272), (343, 6284), (346, 6329), (347, 6338), (352, 6377), (353, 6380),

Gene: Stinson_10 Start: 4559, Stop: 7069, Start Num: 16
Candidate Starts for Stinson_10:
(2, 4391), (Start: 8 @4499 has 58 MA's), (Start: 16 @4559 has 50 MA's), (19, 4580), (Start: 20 @4583 has 5 MA's), (Start: 25 @4625 has 1 MA's), (29, 4649), (35, 4682), (38, 4721), (58, 4886), (59, 4910), (64, 4985), (81, 5183), (86, 5237), (96, 5321), (101, 5345), (112, 5420), (120, 5492), (124, 5522), (126, 5537), (128, 5546), (133, 5564), (148, 5663), (152, 5702), (154, 5711), (156, 5723), (163, 5777), (164, 5789), (166, 5807), (199, 6068), (200, 6089), (216, 6200), (220, 6209), (225, 6227), (233, 6242), (259, 6347), (273, 6401), (290, 6479), (298, 6548), (305, 6644), (320, 6737), (327, 6797), (332, 6857), (342, 6944), (343, 6956), (349, 7016), (353, 7046),

Gene: Sulley_10 Start: 4566, Stop: 7073, Start Num: 16
Candidate Starts for Sulley_10:
(Start: 8 @4506 has 58 MA's), (Start: 16 @4566 has 50 MA's), (Start: 20 @4590 has 5 MA's), (Start: 25 @4632 has 1 MA's), (29, 4656), (38, 4728), (51, 4845), (58, 4893), (59, 4917), (64, 4992), (76, 5121), (77, 5127), (79, 5160), (81, 5190), (86, 5244), (96, 5328), (101, 5352), (112, 5427), (116, 5469), (121,

5508), (124, 5529), (128, 5553), (133, 5571), (148, 5670), (152, 5709), (154, 5718), (156, 5730), (163, 5784), (164, 5796), (166, 5814), (198, 6063), (199, 6075), (200, 6096), (208, 6162), (215, 6201), (216, 6207), (220, 6216), (225, 6234), (233, 6249), (259, 6351), (269, 6396), (273, 6408), (298, 6552), (305, 6648), (320, 6741), (327, 6801), (332, 6861), (336, 6891), (342, 6948), (343, 6960), (349, 7020),

Gene: Sweets_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Sweets_4:
(Start: 11 @3403 has 83 MA's), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (51, 3697), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (116, 4375), (119, 4393), (121, 4414), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: TBond007_9 Start: 4264, Stop: 6768, Start Num: 20
Candidate Starts for TBond007_9:
(Start: 8 @4177 has 58 MA's), (Start: 20 @4264 has 5 MA's), (38, 4402), (39, 4411), (51, 4516), (59, 4588), (62, 4615), (64, 4663), (72, 4759), (76, 4792), (77, 4798), (79, 4831), (82, 4882), (86, 4915), (93, 4999), (99, 5032), (101, 5044), (105, 5053), (111, 5107), (112, 5119), (123, 5209), (126, 5236), (127, 5242), (128, 5245), (141, 5320), (142, 5326), (154, 5410), (160, 5443), (163, 5476), (166, 5506), (181, 5632), (185, 5659), (189, 5692), (199, 5767), (206, 5845), (260, 6013), (272, 6058), (298, 6223), (305, 6352), (317, 6427), (320, 6445), (325, 6493), (331, 6562), (332, 6565), (338, 6604), (339, 6607), (340, 6616), (342, 6643), (343, 6655), (345, 6694), (353, 6745),

Gene: Tachez_10 Start: 4550, Stop: 7060, Start Num: 16
Candidate Starts for Tachez_10:
(Start: 8 @4490 has 58 MA's), (Start: 16 @4550 has 50 MA's), (Start: 20 @4574 has 5 MA's), (Start: 25 @4616 has 1 MA's), (27, 4628), (29, 4640), (51, 4829), (58, 4877), (59, 4901), (64, 4976), (76, 5105), (77, 5111), (79, 5144), (81, 5174), (86, 5228), (96, 5312), (101, 5336), (112, 5411), (116, 5453), (121, 5492), (124, 5513), (128, 5537), (133, 5555), (148, 5654), (152, 5693), (154, 5702), (156, 5714), (162, 5762), (163, 5768), (164, 5780), (166, 5798), (199, 6059), (200, 6080), (215, 6185), (216, 6191), (220, 6200), (259, 6335), (269, 6380), (273, 6392), (298, 6539), (320, 6728), (327, 6788), (332, 6848), (336, 6878), (342, 6935), (343, 6947), (349, 7007),

Gene: Taheera_4 Start: 3413, Stop: 6202, Start Num: 11
Candidate Starts for Taheera_4:
(Start: 11 @3413 has 83 MA's), (14, 3455), (19, 3488), (30, 3560), (51, 3707), (59, 3779), (62, 3806), (64, 3854), (86, 4112), (102, 4268), (107, 4286), (115, 4382), (116, 4385), (119, 4403), (121, 4424), (124, 4445), (148, 4586), (150, 4604), (154, 4634), (166, 4730), (188, 4910), (191, 4931), (198, 4982), (199, 4994), (219, 5153), (229, 5237), (247, 5366), (273, 5474), (286, 5594), (304, 5741), (320, 5873), (327, 5933), (332, 5993), (342, 6071), (346, 6128), (347, 6137), (349, 6143), (355, 6194),

Gene: TaiwanKao_10 Start: 4556, Stop: 7069, Start Num: 16
Candidate Starts for TaiwanKao_10:
(2, 4388), (Start: 8 @4496 has 58 MA's), (Start: 16 @4556 has 50 MA's), (Start: 25 @4622 has 1 MA's), (35, 4679), (38, 4718), (54, 4859), (58, 4883), (59, 4907), (64, 4982), (76, 5114), (77, 5120), (79, 5153), (81, 5183), (86, 5237), (96, 5321), (101, 5345), (112, 5420), (116, 5462), (121, 5501), (124, 5522), (128, 5546), (133, 5564), (148, 5663), (152, 5702), (154, 5711), (156, 5723), (162, 5771), (163, 5777), (164, 5789), (166, 5807), (199, 6068), (200, 6089), (215, 6194), (216, 6200), (220, 6209), (225, 6227), (233, 6242), (259, 6344), (269, 6389), (273, 6401), (298, 6548), (305, 6644), (320, 6737), (327, 6797), (332, 6857), (335, 6878), (342, 6944), (343, 6956), (348, 7013), (353, 7046),

Gene: Taquito_9 Start: 5100, Stop: 7850, Start Num: 9

Candidate Starts for Taquito_9:
(Start: 9 @5100 has 24 MA's), (14, 5142), (Start: 20 @5178 has 5 MA's), (21, 5187), (35, 5277), (36, 5304), (38, 5316), (50, 5406), (58, 5457), (62, 5508), (64, 5556), (65, 5559), (66, 5571), (68, 5580), (72, 5652), (76, 5685), (77, 5691), (81, 5751), (86, 5805), (114, 6069), (127, 6171), (131, 6183), (156, 6351), (166, 6435), (171, 6486), (174, 6516), (187, 6603), (199, 6696), (209, 6789), (212, 6810), (213, 6822), (222, 6849), (223, 6852), (231, 6870), (248, 6951), (253, 6978), (262, 7014), (265, 7041), (267, 7056), (268, 7065), (270, 7068), (275, 7104), (279, 7131), (280, 7140), (298, 7305), (312, 7485), (320, 7527), (327, 7587), (332, 7647), (342, 7725),

Gene: Teejan_6 Start: 3868, Stop: 6339, Start Num: 20
Candidate Starts for Teejan_6:
(Start: 8 @3784 has 58 MA's), (Start: 20 @3868 has 5 MA's), (29, 3934), (38, 4006), (44, 4060), (58, 4171), (59, 4195), (64, 4270), (76, 4396), (77, 4402), (79, 4435), (86, 4519), (99, 4615), (112, 4702), (116, 4744), (124, 4804), (128, 4828), (133, 4846), (145, 4921), (148, 4945), (152, 4984), (154, 4993), (156, 5005), (160, 5026), (161, 5035), (163, 5059), (164, 5071), (166, 5089), (180, 5212), (182, 5224), (192, 5296), (204, 5398), (216, 5473), (218, 5479), (220, 5482), (225, 5500), (233, 5515), (257, 5614), (259, 5623), (271, 5671), (282, 5695), (289, 5749), (305, 5923), (307, 5935), (312, 5974), (320, 6016), (327, 6076), (331, 6133), (332, 6136), (334, 6154), (342, 6214), (343, 6226), (349, 6286),

Gene: Terralys_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Terralys_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Terror_4 Start: 3413, Stop: 6202, Start Num: 11
Candidate Starts for Terror_4:
(Start: 11 @3413 has 83 MA's), (14, 3455), (19, 3488), (30, 3560), (51, 3707), (59, 3779), (62, 3806), (64, 3854), (86, 4112), (102, 4268), (107, 4286), (115, 4382), (116, 4385), (119, 4403), (121, 4424), (124, 4445), (148, 4586), (150, 4604), (154, 4634), (166, 4730), (188, 4910), (191, 4931), (198, 4982), (199, 4994), (219, 5153), (229, 5237), (247, 5366), (273, 5474), (286, 5594), (304, 5741), (320, 5873), (327, 5933), (332, 5993), (342, 6071), (346, 6128), (347, 6137), (349, 6143), (355, 6194),

Gene: Thyatira_8 Start: 4264, Stop: 7008, Start Num: 12
Candidate Starts for Thyatira_8:
(Start: 10 @4252 has 14 MA's), (Start: 12 @4264 has 4 MA's), (Start: 20 @4330 has 5 MA's), (Start: 25 @4372 has 1 MA's), (34, 4426), (37, 4462), (50, 4543), (51, 4546), (57, 4582), (58, 4594), (59, 4618), (62, 4645), (64, 4693), (67, 4711), (76, 4822), (77, 4828), (79, 4861), (82, 4912), (86, 4945), (103, 5074), (105, 5077), (110, 5119), (112, 5140), (115, 5179), (116, 5182), (124, 5242), (126, 5257), (128, 5266), (136, 5308), (140, 5338), (146, 5365), (150, 5401), (154, 5431), (159, 5458), (160, 5464), (161, 5473), (183, 5671), (184, 5677), (185, 5680), (188, 5704), (189, 5713), (191, 5725), (199, 5788), (200, 5809), (203, 5845), (205, 5860), (206, 5866), (224, 5950), (226, 5953), (234, 6004), (235, 6010), (237, 6025), (246, 6079), (249, 6091), (254, 6097), (274, 6211), (291, 6406), (295, 6439), (298, 6463), (312, 6643), (313, 6646), (316, 6658), (320, 6685), (325, 6733), (332, 6805), (340, 6856), (342, 6883), (343, 6895), (345, 6934), (348, 6952), (353, 6985),

Gene: Tierra_9 Start: 4466, Stop: 6649, Start Num: 11
Candidate Starts for Tierra_9:
(Start: 11 @4466 has 83 MA's), (18, 4538), (Start: 20 @4544 has 5 MA's), (24, 4580), (28, 4607), (54, 4778), (58, 4802), (59, 4826), (64, 4901), (66, 4916), (68, 4925), (76, 5030), (79, 5075), (84, 5144), (86,

5159), (117, 5333), (128, 5411), (129, 5414), (135, 5438), (168, 5636), (176, 5690), (179, 5708), (190, 5762), (194, 5783), (201, 5858), (207, 5909), (291, 6080), (298, 6137), (305, 6233), (316, 6299), (320, 6326), (328, 6398), (332, 6446), (342, 6524), (343, 6536),

Gene: TinaBug_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for TinaBug_4:
(Start: 11 @3403 has 83 MA's), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (51, 3697), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (116, 4375), (119, 4393), (121, 4414), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: TiniBug_10 Start: 4491, Stop: 7046, Start Num: 8
Candidate Starts for TiniBug_10:
(2, 4383), (Start: 8 @4491 has 58 MA's), (Start: 16 @4551 has 50 MA's), (19, 4572), (22, 4593), (29, 4641), (38, 4713), (58, 4878), (59, 4902), (64, 4977), (76, 5109), (77, 5115), (79, 5148), (81, 5178), (86, 5232), (96, 5316), (101, 5340), (112, 5415), (121, 5496), (124, 5517), (126, 5532), (128, 5541), (133, 5559), (148, 5658), (152, 5697), (154, 5706), (156, 5718), (162, 5766), (163, 5772), (164, 5784), (166, 5802), (196, 6042), (198, 6051), (199, 6063), (200, 6084), (216, 6195), (220, 6204), (225, 6222), (233, 6237), (259, 6339), (298, 6525), (301, 6540), (305, 6621), (320, 6714), (327, 6774), (331, 6831), (332, 6834), (339, 6885), (342, 6921), (343, 6933), (348, 6990), (353, 7023),

Gene: Tiri_10 Start: 4595, Stop: 7105, Start Num: 16
Candidate Starts for Tiri_10:
(Start: 8 @4535 has 58 MA's), (Start: 16 @4595 has 50 MA's), (Start: 20 @4619 has 5 MA's), (Start: 25 @4661 has 1 MA's), (27, 4673), (29, 4685), (51, 4874), (58, 4922), (59, 4946), (64, 5021), (76, 5150), (77, 5156), (79, 5189), (81, 5219), (86, 5273), (96, 5357), (101, 5381), (112, 5456), (116, 5498), (120, 5528), (121, 5537), (124, 5558), (127, 5579), (128, 5582), (133, 5600), (148, 5699), (152, 5738), (154, 5747), (156, 5759), (162, 5807), (163, 5813), (164, 5825), (166, 5843), (199, 6104), (200, 6125), (215, 6230), (216, 6236), (220, 6245), (225, 6263), (233, 6278), (259, 6380), (269, 6425), (273, 6437), (298, 6584), (320, 6773), (327, 6833), (332, 6893), (336, 6923), (342, 6980), (343, 6992), (349, 7052), (353, 7082),

Gene: TomBrady_4 Start: 3404, Stop: 6193, Start Num: 11
Candidate Starts for TomBrady_4:
(Start: 11 @3404 has 83 MA's), (13, 3437), (14, 3446), (19, 3479), (30, 3551), (48, 3671), (59, 3770), (62, 3797), (64, 3845), (78, 4004), (79, 4019), (80, 4031), (86, 4103), (102, 4259), (112, 4334), (116, 4376), (119, 4394), (121, 4415), (124, 4436), (131, 4469), (132, 4475), (141, 4535), (148, 4577), (150, 4595), (154, 4625), (165, 4712), (166, 4721), (188, 4901), (191, 4922), (198, 4973), (199, 4985), (229, 5228), (273, 5465), (286, 5585), (304, 5732), (306, 5774), (307, 5777), (320, 5864), (327, 5924), (332, 5984), (342, 6062), (343, 6074), (346, 6119), (347, 6128), (349, 6134), (355, 6185),

Gene: Topper_10 Start: 4628, Stop: 7138, Start Num: 16
Candidate Starts for Topper_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: Torres_6 Start: 3784, Stop: 6339, Start Num: 8
Candidate Starts for Torres_6:
(Start: 8 @3784 has 58 MA's), (Start: 20 @3868 has 5 MA's), (29, 3934), (38, 4006), (44, 4060), (58, 4171), (59, 4195), (64, 4270), (76, 4396), (77, 4402), (79, 4435), (86, 4519), (99, 4615), (112, 4702), (116, 4744), (124, 4804), (128, 4828), (133, 4846), (145, 4921), (148, 4945), (152, 4984), (154, 4993), (156, 5005), (160, 5026), (161, 5035), (163, 5059), (164, 5071), (166, 5089), (180, 5212), (182, 5224), (192, 5296), (204, 5398), (216, 5473), (218, 5479), (220, 5482), (225, 5500), (233, 5515), (257, 5614), (259, 5623), (271, 5671), (282, 5695), (289, 5749), (305, 5923), (307, 5935), (312, 5974), (320, 6016), (327, 6076), (331, 6133), (332, 6136), (334, 6154), (342, 6214), (343, 6226), (349, 6286),

Gene: TreyKay_10 Start: 4553, Stop: 7063, Start Num: 16
Candidate Starts for TreyKay_10:
(Start: 8 @4493 has 58 MA's), (Start: 16 @4553 has 50 MA's), (19, 4574), (Start: 20 @4577 has 5 MA's), (Start: 25 @4619 has 1 MA's), (29, 4643), (35, 4676), (38, 4715), (58, 4880), (59, 4904), (64, 4979), (76, 5108), (81, 5177), (86, 5231), (96, 5315), (101, 5339), (112, 5414), (116, 5456), (121, 5495), (124, 5516), (128, 5540), (133, 5558), (148, 5657), (152, 5696), (154, 5705), (156, 5717), (162, 5765), (163, 5771), (164, 5783), (166, 5801), (199, 6062), (200, 6083), (215, 6188), (216, 6194), (220, 6203), (225, 6221), (233, 6236), (259, 6338), (269, 6383), (273, 6395), (298, 6542), (305, 6638), (320, 6731), (327, 6791), (332, 6851), (335, 6872), (342, 6938), (343, 6950), (348, 7007), (353, 7040),

Gene: TribleTrouble_8 Start: 4252, Stop: 6822, Start Num: 8
Candidate Starts for TribleTrouble_8:
(Start: 8 @4252 has 58 MA's), (Start: 12 @4273 has 4 MA's), (Start: 20 @4339 has 5 MA's), (38, 4477), (39, 4486), (44, 4528), (51, 4591), (58, 4639), (59, 4663), (64, 4738), (76, 4864), (77, 4870), (79, 4903), (82, 4954), (86, 4987), (93, 5074), (99, 5107), (101, 5119), (105, 5128), (109, 5173), (111, 5182), (112, 5194), (121, 5275), (126, 5311), (127, 5317), (132, 5335), (141, 5395), (142, 5401), (154, 5485), (160, 5518), (163, 5551), (189, 5767), (199, 5842), (206, 5920), (298, 6277), (305, 6406), (306, 6415), (317, 6481), (320, 6499), (325, 6547), (332, 6619), (334, 6637), (340, 6670), (342, 6697), (343, 6709), (345, 6748), (348, 6766), (353, 6799),

Gene: Trice_6 Start: 3868, Stop: 6339, Start Num: 20
Candidate Starts for Trice_6:
(Start: 8 @3784 has 58 MA's), (Start: 20 @3868 has 5 MA's), (29, 3934), (38, 4006), (44, 4060), (58, 4171), (59, 4195), (64, 4270), (76, 4396), (77, 4402), (79, 4435), (86, 4519), (99, 4615), (112, 4702), (116, 4744), (124, 4804), (128, 4828), (133, 4846), (145, 4921), (148, 4945), (152, 4984), (154, 4993), (156, 5005), (160, 5026), (161, 5035), (163, 5059), (164, 5071), (166, 5089), (180, 5212), (182, 5224), (192, 5296), (204, 5398), (216, 5473), (218, 5479), (220, 5482), (225, 5500), (233, 5515), (257, 5614), (259, 5623), (271, 5671), (282, 5695), (289, 5749), (305, 5923), (307, 5935), (312, 5974), (320, 6016), (327, 6076), (331, 6133), (332, 6136), (334, 6154), (342, 6214), (343, 6226), (349, 6286),

Gene: TruffulaTree_10 Start: 4521, Stop: 7091, Start Num: 8
Candidate Starts for TruffulaTree_10:
(Start: 8 @4521 has 58 MA's), (Start: 16 @4581 has 50 MA's), (Start: 20 @4605 has 5 MA's), (Start: 25 @4647 has 1 MA's), (27, 4659), (29, 4671), (51, 4860), (58, 4908), (59, 4932), (64, 5007), (76, 5136), (77, 5142), (79, 5175), (81, 5205), (86, 5259), (96, 5343), (101, 5367), (112, 5442), (116, 5484), (121, 5523), (124, 5544), (128, 5568), (133, 5586), (148, 5685), (152, 5724), (154, 5733), (156, 5745), (162, 5793), (163, 5799), (164, 5811), (166, 5829), (175, 5913), (199, 6090), (200, 6111), (215, 6216), (216, 6222), (220, 6231), (225, 6249), (233, 6264), (259, 6366), (269, 6411), (273, 6423), (298, 6570), (320, 6759), (327, 6819), (332, 6879), (336, 6909), (342, 6966), (343, 6978), (349, 7038),

Gene: Twitch_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for Twitch_10:

(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (172, 5936), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: Urkel_10 Start: 4551, Stop: 7046, Start Num: 16
Candidate Starts for Urkel_10:
(2, 4383), (Start: 8 @4491 has 58 MA's), (Start: 16 @4551 has 50 MA's), (19, 4572), (22, 4593), (29, 4641), (38, 4713), (58, 4878), (59, 4902), (64, 4977), (76, 5109), (77, 5115), (79, 5148), (81, 5178), (86, 5232), (96, 5316), (101, 5340), (112, 5415), (121, 5496), (124, 5517), (126, 5532), (128, 5541), (133, 5559), (148, 5658), (152, 5697), (154, 5706), (156, 5718), (162, 5766), (163, 5772), (164, 5784), (166, 5802), (198, 6051), (199, 6063), (200, 6084), (216, 6195), (220, 6204), (225, 6222), (233, 6237), (259, 6339), (298, 6525), (305, 6621), (320, 6714), (327, 6774), (332, 6834), (342, 6921), (343, 6933), (348, 6990), (353, 7023),

Gene: Veliki_10 Start: 4568, Stop: 7138, Start Num: 8
Candidate Starts for Veliki_10:
(Start: 8 @4568 has 58 MA's), (Start: 16 @4628 has 50 MA's), (Start: 20 @4652 has 5 MA's), (Start: 25 @4694 has 1 MA's), (27, 4706), (29, 4718), (51, 4907), (58, 4955), (59, 4979), (64, 5054), (76, 5183), (77, 5189), (79, 5222), (81, 5252), (86, 5306), (96, 5390), (101, 5414), (112, 5489), (116, 5531), (121, 5570), (124, 5591), (128, 5615), (133, 5633), (148, 5732), (152, 5771), (154, 5780), (156, 5792), (162, 5840), (163, 5846), (164, 5858), (166, 5876), (199, 6137), (200, 6158), (215, 6263), (216, 6269), (220, 6278), (225, 6296), (233, 6311), (259, 6413), (269, 6458), (273, 6470), (298, 6617), (320, 6806), (327, 6866), (331, 6923), (332, 6926), (336, 6956), (342, 7013), (343, 7025), (349, 7085), (353, 7115),

Gene: ViviJ_7 Start: 4017, Stop: 6890, Start Num: 10
Candidate Starts for ViviJ_7:
(Start: 10 @4017 has 14 MA's), (Start: 12 @4029 has 4 MA's), (Start: 17 @4083 has 4 MA's), (Start: 20 @4095 has 5 MA's), (34, 4191), (37, 4227), (50, 4308), (51, 4311), (52, 4326), (54, 4335), (59, 4383), (62, 4410), (64, 4458), (67, 4476), (76, 4587), (77, 4593), (79, 4626), (81, 4656), (82, 4677), (86, 4710), (87, 4734), (105, 4851), (110, 4893), (115, 4953), (124, 5016), (126, 5031), (128, 5040), (140, 5112), (150, 5175), (152, 5196), (153, 5199), (154, 5205), (160, 5238), (163, 5271), (169, 5343), (172, 5361), (183, 5445), (184, 5451), (185, 5454), (188, 5478), (189, 5487), (191, 5499), (199, 5562), (200, 5583), (205, 5634), (227, 5760), (228, 5766), (230, 5781), (241, 5874), (244, 5907), (245, 5913), (249, 5928), (273, 6075), (276, 6108), (291, 6288), (295, 6321), (298, 6345), (312, 6525), (313, 6528), (317, 6549), (320, 6567), (325, 6615), (332, 6687), (339, 6729), (340, 6738), (342, 6765), (343, 6777), (345, 6816), (348, 6834), (353, 6867),

Gene: Waterfoul_8 Start: 4286, Stop: 7030, Start Num: 12
Candidate Starts for Waterfoul_8:
(Start: 10 @4274 has 14 MA's), (Start: 12 @4286 has 4 MA's), (Start: 20 @4352 has 5 MA's), (Start: 25 @4394 has 1 MA's), (34, 4448), (37, 4484), (50, 4565), (51, 4568), (57, 4604), (58, 4616), (59, 4640), (62, 4667), (64, 4715), (67, 4733), (76, 4844), (77, 4850), (79, 4883), (82, 4934), (86, 4967), (103, 5096), (105, 5099), (110, 5141), (112, 5162), (115, 5201), (116, 5204), (124, 5264), (126, 5279), (128, 5288), (136, 5330), (140, 5360), (146, 5387), (150, 5423), (154, 5453), (159, 5480), (160, 5486), (161, 5495), (183, 5693), (184, 5699), (185, 5702), (188, 5726), (189, 5735), (191, 5747), (199, 5810), (200, 5831), (203, 5867), (205, 5882), (206, 5888), (224, 5972), (226, 5975), (234, 6026), (235, 6032), (237, 6047), (246, 6101), (249, 6113), (254, 6119), (274, 6233), (291, 6428), (295, 6461), (298, 6485), (312, 6665), (313, 6668), (316, 6680), (320, 6707), (325, 6755), (332, 6827), (340, 6878), (342, 6905), (343,

6917), (345, 6956), (348, 6974), (353, 7007),

Gene: Wendigo_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Wendigo_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Wintermute_11 Start: 5488, Stop: 8247, Start Num: 9
Candidate Starts for Wintermute_11:
(Start: 9 @5488 has 24 MA's), (14, 5530), (Start: 20 @5566 has 5 MA's), (21, 5575), (35, 5665), (36, 5692), (38, 5704), (50, 5794), (58, 5845), (62, 5896), (64, 5944), (65, 5947), (66, 5959), (68, 5968), (72, 6040), (76, 6073), (77, 6079), (81, 6139), (86, 6193), (114, 6457), (127, 6559), (131, 6571), (156, 6739), (166, 6823), (171, 6874), (174, 6904), (187, 6991), (199, 7084), (209, 7177), (212, 7198), (213, 7210), (222, 7237), (223, 7240), (231, 7258), (248, 7339), (253, 7366), (262, 7402), (265, 7429), (267, 7444), (268, 7453), (270, 7456), (275, 7492), (277, 7519), (279, 7528), (280, 7537), (298, 7702), (312, 7882), (320, 7924), (327, 7984), (332, 8044), (342, 8122),

Gene: Y10_11 Start: 5489, Stop: 8248, Start Num: 9
Candidate Starts for Y10_11:
(Start: 9 @5489 has 24 MA's), (14, 5531), (Start: 20 @5567 has 5 MA's), (21, 5576), (35, 5666), (36, 5693), (38, 5705), (50, 5795), (58, 5846), (62, 5897), (64, 5945), (65, 5948), (66, 5960), (68, 5969), (72, 6041), (76, 6074), (77, 6080), (81, 6140), (86, 6194), (114, 6458), (123, 6527), (127, 6560), (131, 6572), (156, 6740), (166, 6824), (171, 6875), (174, 6905), (187, 6992), (199, 7085), (209, 7178), (212, 7199), (213, 7211), (222, 7238), (223, 7241), (231, 7259), (248, 7340), (253, 7367), (262, 7403), (265, 7430), (267, 7445), (268, 7454), (270, 7457), (275, 7493), (277, 7520), (279, 7529), (280, 7538), (298, 7703), (312, 7883), (320, 7925), (327, 7985), (332, 8045), (342, 8123),

Gene: Y2_11 Start: 5489, Stop: 8248, Start Num: 9
Candidate Starts for Y2_11:
(Start: 9 @5489 has 24 MA's), (14, 5531), (Start: 20 @5567 has 5 MA's), (21, 5576), (35, 5666), (36, 5693), (38, 5705), (50, 5795), (58, 5846), (62, 5897), (64, 5945), (65, 5948), (66, 5960), (68, 5969), (72, 6041), (76, 6074), (77, 6080), (81, 6140), (86, 6194), (114, 6458), (123, 6527), (127, 6560), (131, 6572), (156, 6740), (166, 6824), (171, 6875), (174, 6905), (187, 6992), (199, 7085), (209, 7178), (212, 7199), (213, 7211), (222, 7238), (223, 7241), (231, 7259), (248, 7340), (253, 7367), (262, 7403), (265, 7430), (267, 7445), (268, 7454), (270, 7457), (275, 7493), (277, 7520), (279, 7529), (280, 7538), (298, 7703), (312, 7883), (320, 7925), (327, 7985), (332, 8045), (342, 8123),

Gene: YangYin_4 Start: 3494, Stop: 6403, Start Num: 11
Candidate Starts for YangYin_4:
(Start: 11 @3494 has 83 MA's), (24, 3608), (26, 3617), (58, 3833), (64, 3935), (75, 4061), (81, 4136), (86, 4190), (90, 4232), (92, 4271), (109, 4346), (112, 4367), (115, 4406), (116, 4409), (120, 4439), (124, 4469), (127, 4490), (131, 4502), (139, 4553), (142, 4574), (152, 4649), (154, 4658), (155, 4661), (177, 4838), (195, 4958), (197, 4979), (234, 5252), (252, 5405), (271, 5498), (298, 5816), (300, 5825), (302, 5840), (314, 6017), (318, 6053), (323, 6083), (324, 6098), (327, 6134), (332, 6194), (340, 6245), (341, 6269), (342, 6272), (343, 6284), (346, 6329), (347, 6338), (352, 6377), (353, 6380),

Gene: YasnayaPolyana_11 Start: 5489, Stop: 8248, Start Num: 9
Candidate Starts for YasnayaPolyana_11:

(Start: 9 @5489 has 24 MA's), (14, 5531), (Start: 20 @5567 has 5 MA's), (21, 5576), (35, 5666), (36, 5693), (38, 5705), (50, 5795), (58, 5846), (62, 5897), (64, 5945), (65, 5948), (66, 5960), (68, 5969), (72, 6041), (76, 6074), (77, 6080), (81, 6140), (86, 6194), (114, 6458), (127, 6560), (131, 6572), (156, 6740), (166, 6824), (171, 6875), (174, 6905), (187, 6992), (199, 7085), (209, 7178), (212, 7199), (213, 7211), (222, 7238), (223, 7241), (231, 7259), (248, 7340), (253, 7367), (262, 7403), (265, 7430), (267, 7445), (268, 7454), (270, 7457), (275, 7493), (277, 7520), (279, 7529), (280, 7538), (298, 7703), (312, 7883), (320, 7925), (327, 7985), (332, 8045), (342, 8123), (350, 8195),

Gene: YoureAdopted_9 Start: 4497, Stop: 7067, Start Num: 8
Candidate Starts for YoureAdopted_9:
(Start: 8 @4497 has 58 MA's), (Start: 12 @4515 has 4 MA's), (Start: 16 @4557 has 50 MA's), (Start: 20 @4581 has 5 MA's), (Start: 25 @4623 has 1 MA's), (27, 4635), (29, 4647), (51, 4836), (58, 4884), (59, 4908), (64, 4983), (76, 5112), (77, 5118), (79, 5151), (81, 5181), (86, 5235), (96, 5319), (101, 5343), (112, 5418), (116, 5460), (121, 5499), (124, 5520), (128, 5544), (133, 5562), (148, 5661), (152, 5700), (154, 5709), (156, 5721), (162, 5769), (163, 5775), (164, 5787), (166, 5805), (199, 6066), (200, 6087), (215, 6192), (216, 6198), (220, 6207), (225, 6225), (233, 6240), (259, 6342), (269, 6387), (273, 6399), (298, 6546), (320, 6735), (327, 6795), (332, 6855), (336, 6885), (342, 6942), (343, 6954), (349, 7014),

Gene: Zabiza_10 Start: 4524, Stop: 7094, Start Num: 8
Candidate Starts for Zabiza_10:
(Start: 8 @4524 has 58 MA's), (Start: 16 @4584 has 50 MA's), (Start: 20 @4608 has 5 MA's), (Start: 25 @4650 has 1 MA's), (27, 4662), (29, 4674), (51, 4863), (58, 4911), (59, 4935), (64, 5010), (76, 5139), (77, 5145), (79, 5178), (81, 5208), (86, 5262), (96, 5346), (101, 5370), (112, 5445), (116, 5487), (121, 5526), (124, 5547), (128, 5571), (133, 5589), (148, 5688), (152, 5727), (154, 5736), (156, 5748), (162, 5796), (163, 5802), (164, 5814), (166, 5832), (175, 5916), (199, 6093), (200, 6114), (215, 6219), (216, 6225), (220, 6234), (225, 6252), (233, 6267), (259, 6369), (269, 6414), (273, 6426), (298, 6573), (320, 6762), (327, 6822), (332, 6882), (336, 6912), (342, 6969), (343, 6981), (349, 7041),

Gene: Zavala_10 Start: 4566, Stop: 7076, Start Num: 16
Candidate Starts for Zavala_10:
(Start: 8 @4506 has 58 MA's), (Start: 16 @4566 has 50 MA's), (Start: 20 @4590 has 5 MA's), (Start: 25 @4632 has 1 MA's), (27, 4644), (29, 4656), (51, 4845), (58, 4893), (59, 4917), (64, 4992), (76, 5121), (77, 5127), (79, 5160), (81, 5190), (86, 5244), (96, 5328), (101, 5352), (112, 5427), (116, 5469), (121, 5508), (124, 5529), (128, 5553), (133, 5571), (148, 5670), (152, 5709), (154, 5718), (156, 5730), (162, 5778), (163, 5784), (164, 5796), (166, 5814), (199, 6075), (200, 6096), (215, 6201), (216, 6207), (220, 6216), (225, 6234), (233, 6249), (259, 6351), (269, 6396), (273, 6408), (298, 6555), (320, 6744), (327, 6804), (331, 6861), (332, 6864), (336, 6894), (342, 6951), (343, 6963), (349, 7023),

Gene: ZoMa_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for ZoMa_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (26, 3526), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229, 5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),

Gene: Zombie_4 Start: 3403, Stop: 6192, Start Num: 11
Candidate Starts for Zombie_4:
(Start: 11 @3403 has 83 MA's), (13, 3436), (14, 3445), (19, 3478), (30, 3550), (48, 3670), (59, 3769), (62, 3796), (64, 3844), (78, 4003), (79, 4018), (80, 4030), (86, 4102), (102, 4258), (112, 4333), (116, 4375), (119, 4393), (121, 4414), (124, 4435), (131, 4468), (132, 4474), (141, 4534), (148, 4576), (150, 4594), (154, 4624), (165, 4711), (166, 4720), (188, 4900), (191, 4921), (198, 4972), (199, 4984), (229,

5227), (273, 5464), (286, 5584), (304, 5731), (306, 5773), (307, 5776), (320, 5863), (327, 5923), (332, 5983), (342, 6061), (343, 6073), (346, 6118), (347, 6127), (349, 6133), (355, 6184),