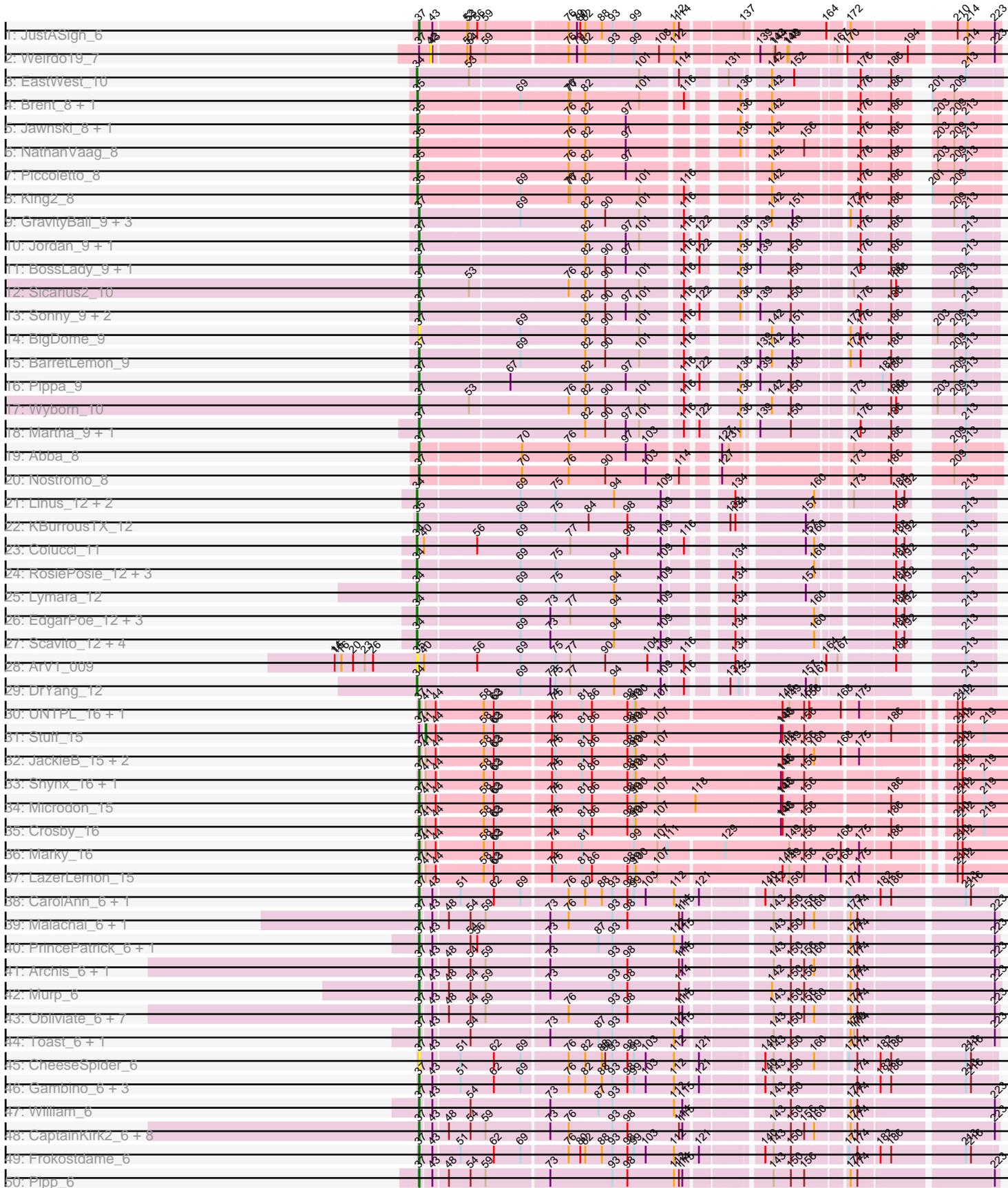
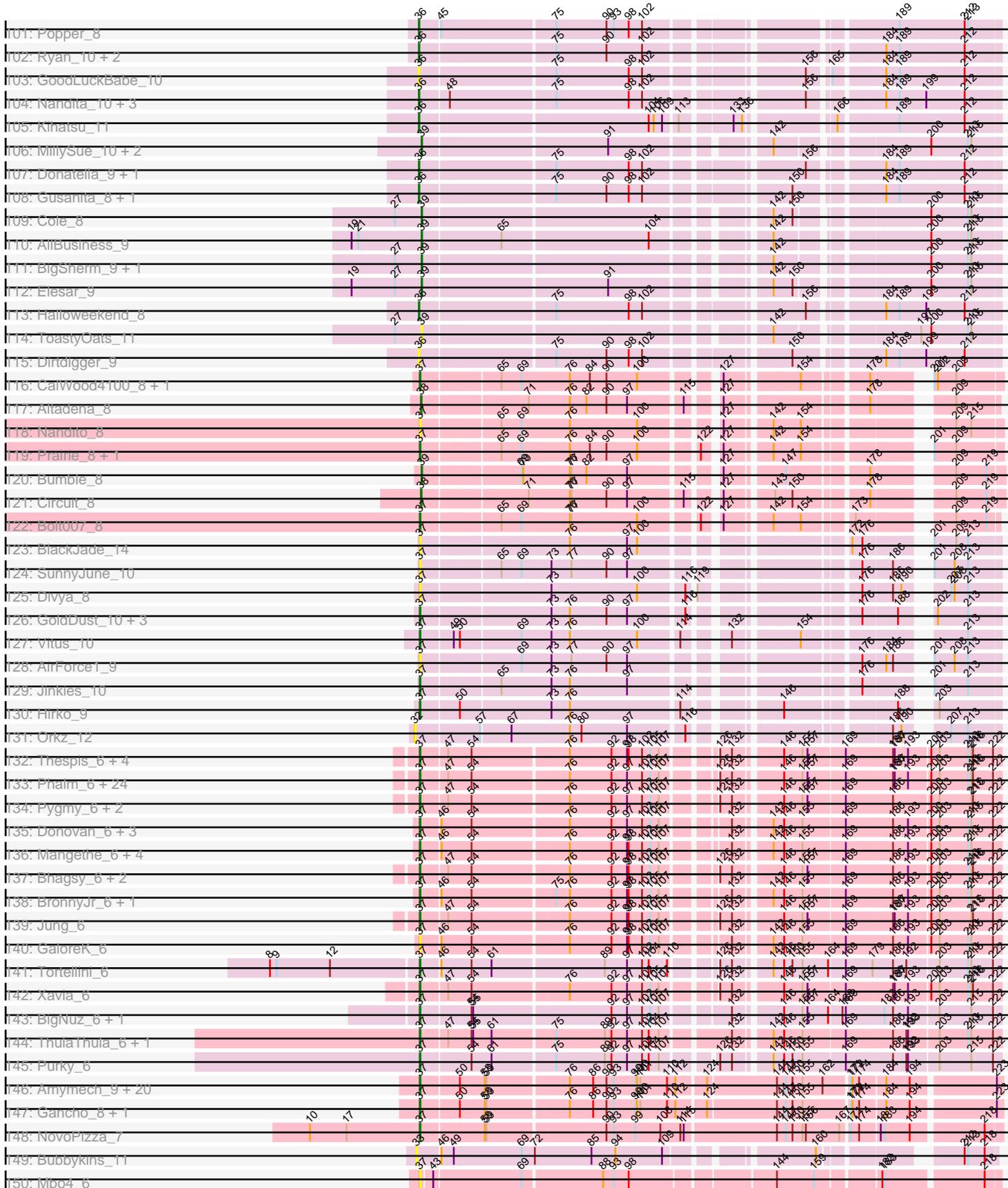


Pham 288997



Pham 288997



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 288997 Report

This analysis was run 03/28/26 on database version 641.

Pham number 288997 has 342 members, 46 are drafts.

Phages represented in each track:

- Track 1 : JustASigh_6
- Track 2 : Weirdo19_7
- Track 3 : EastWest_10
- Track 4 : Brent_8, Franzy_8
- Track 5 : Jawnski_8, Beans_8
- Track 6 : NathanVaag_8
- Track 7 : Piccoletto_8
- Track 8 : King2_8
- Track 9 : GravityBall_9, Timinator_9, LeeroyJ_9, StevieBAY_9
- Track 10 : Jordan_9, Zartrosa_9
- Track 11 : BossLady_9, Grekaycon_9
- Track 12 : Sicarius2_10
- Track 13 : Sonny_9, Shade_9, JKerns_9
- Track 14 : BigDome_9
- Track 15 : BarretLemon_9
- Track 16 : Pippa_9
- Track 17 : Wyborn_10
- Track 18 : Martha_9, TaeYoung_9
- Track 19 : Abba_8
- Track 20 : Nostromo_8
- Track 21 : Linus_12, JayCookie_12, PrincessTrina_12
- Track 22 : KBurrousTX_12
- Track 23 : Colucci_11
- Track 24 : RosiePosie_12, Chubster_12, Chocolat_12, MoyaNatalis_12
- Track 25 : Lymara_12
- Track 26 : EdgarPoe_12, Tophat_12, Chipper1996_120, Conboy_12
- Track 27 : Scavito_12, Mordred_12, HumptyDumpty_12, JaNo_12, Kabreeze_12
- Track 28 : ArV1_009
- Track 29 : DrYang_12
- Track 30 : UNTPL_16, Bogota_16
- Track 31 : Stuff_15
- Track 32 : JackieB_15, Henoccus_16, Araceli_16
- Track 33 : Shynx_16, Intolerant_15
- Track 34 : Microdon_15
- Track 35 : Crosby_16
- Track 36 : Marky_16
- Track 37 : LazerLemon_15

- Track 38 : CarolAnn_6, Blino_6
- Track 39 : Malachai_6, Begonia_6
- Track 40 : PrincePatrick_6, Fairfaxidum_6
- Track 41 : Archis_6, UmaThurman_6
- Track 42 : Murp_6
- Track 43 : Obliviate_6, Utz_6, BlingBling_6, Hitter_6, Jalammah_6, Lysidious_6, Mellie_6, ZiggyZoo_6
- Track 44 : Toast_6, PCoral7_6
- Track 45 : CheeseSpider_6
- Track 46 : Gambino_6, Blueberry_6, MissRona_6, Azula_6
- Track 47 : William_6
- Track 48 : CaptainKirk2_6, Wisp_6, Guacamole_6, Zarbodnamra_6, Melba_6, MintFen_6, Barco_6, JasperJr_6, Delian_6
- Track 49 : Frokostdame_6
- Track 50 : Pipp_6
- Track 51 : Petra_6
- Track 52 : Fenry_6
- Track 53 : Samba_6
- Track 54 : KappaFarmDelta_6
- Track 55 : Walrus_6
- Track 56 : Wocket_6
- Track 57 : PhrostedPhlake_6
- Track 58 : JuJu_6
- Track 59 : Zilla_6
- Track 60 : EdnaMode_6, Nettuno_6, Lamberg_6
- Track 61 : TuertoX_6, GemG_6, Denise_6, Attis_6, Ebert_6, Matteo_6, Cynthia_6, Pickett_6, SoilAssassin_6, JCole_6, Clap_6, Yeet412_6, Jalleen_6, Bjanes7_6, Haley23_6, Mocha12_6, LordFarquaad_6, Whiteclaw_6, Gizermo_6, Sproutie_6, Savage_6
- Track 62 : Vasanti_6
- Track 63 : FroggyToad_6
- Track 64 : Sahara_6
- Track 65 : BaxterFox_6, Yeezy_6, PantheRoc_6, Ohgeesy_6
- Track 66 : Clark_7, Dorito_6, PhriskyACE_6, Annalisa_7
- Track 67 : Oregano_7, Dolores_7, Sekhmet_7, Samman98_7, DobbysSock_6, WinkNick_7, Invectra_7, Thimann_7
- Track 68 : MichaelScott_7, Suerte_6, Tuti_8, Easley_7, Beenie_7
- Track 69 : Howe_6, Twinkle_6, Adora_6, Shlim410_6, Hortense_6
- Track 70 : Powerball_6
- Track 71 : Sidious_6
- Track 72 : Dmitri_7
- Track 73 : Bowser_6
- Track 74 : BBQValindra_6
- Track 75 : Kiko_7
- Track 76 : BackstagePass_6
- Track 77 : Doggs_6, Coriander_7
- Track 78 : GEazy_6, HannahD_6
- Track 79 : Hedwig_7
- Track 80 : RayTheFireFly_7
- Track 81 : Moonflower_7
- Track 82 : Bunker_6
- Track 83 : Eyes_6
- Track 84 : DirtyBoi_7

- Track 85 : Chop_10, GrandSlam_10, Ayotoya_10, Hamood_10
- Track 86 : Francois_10
- Track 87 : Bock_10
- Track 88 : BetterKatz_10, WheatThin_10, Parada_10, Nadeem_10, Brylie_10, NancyRae_10, Mulch_10, Pimento_10
- Track 89 : DelRio_10
- Track 90 : Ruthy_6
- Track 91 : Zodiariah_6
- Track 92 : Malibo_6
- Track 93 : ArchiDore_6
- Track 94 : MakCheese_6
- Track 95 : Sprinklemunch_6
- Track 96 : DumpsterDude_6
- Track 97 : Lederberg_6, Troy_6, Stiles_6, StAB_6, Adelaide_6, SamW_6, Dina_6
- Track 98 : Bran_6
- Track 99 : Spartan_6
- Track 100 : Gallop_7
- Track 101 : Popper_8
- Track 102 : Ryan_10, Zaheer_10, Yonex_10
- Track 103 : GoodLuckBabe_10
- Track 104 : Nandita_10, Schism_10, Lenoxika_10, Guinevere_10
- Track 105 : Kihatsu_11
- Track 106 : MillySue_10, Julie_10, Toodles_10
- Track 107 : Donatella_9, Ichiang_8
- Track 108 : Gusanita_8, IsHungry_10
- Track 109 : Cole_8
- Track 110 : AllBusiness_9
- Track 111 : BigSherm_9, QuinnAvery_10
- Track 112 : Elesar_9
- Track 113 : Halloweekend_8
- Track 114 : ToastyOats_11
- Track 115 : Dirtdigger_9
- Track 116 : CalWood4100_8, Lilmac1015_8
- Track 117 : Altadena_8
- Track 118 : Nandito_8
- Track 119 : Prairie_8, Klevey_8
- Track 120 : Bumble_8
- Track 121 : Circuit_8
- Track 122 : Bolt007_8
- Track 123 : BlackJade_14
- Track 124 : SunnyJune_10
- Track 125 : Divya_8
- Track 126 : GoldDust_10, Music_10, Gooberta_10, Vibaki_10
- Track 127 : Vitus_10
- Track 128 : AirForce1_9
- Track 129 : Jinkies_10
- Track 130 : Hirko_9
- Track 131 : Orkz_12
- Track 132 : Thespis_6, Brusacoram_6, Bunnies_6, Atcoo_6, Ksquared_6
- Track 133 : Phalm_6, Polkaroo_6, KilKor_6, HUHilltop_6, StressBall_6, Dynamo_6, Gavriela_6, Malithi_6, Vidya_6, Glaske_6, Chubbello_6, Bartholomew_6, Fishburne_6, StevieRay_6, FirstPlacePfu_6, Necropolis_6, Venti_6, Etoile_6, Camster_6, Megiddo_6, Phineas_6, GreaseLightnIn_6, CactusJack_6, Zilizebeth_6,

Kari_6

- Track 134 : Pygmy_6, Bogie_6, Shipwreck_6
- Track 135 : Donovan_6, Langerak_6, Sonah_6, Juniormint_6
- Track 136 : Mangethe_6, Majeke_6, Arib1_6, Phegasus_6, Jebeks_6
- Track 137 : Bhagsy_6, PeanutPie_6, Willsammy_6
- Track 138 : BronnyJr_6, Techage_6
- Track 139 : Jung_6
- Track 140 : GaloreK_6
- Track 141 : Tortellini_6
- Track 142 : Xavia_6
- Track 143 : BigNuz_6, Nazo_6
- Track 144 : ThulaThula_6, Phayonce_6
- Track 145 : Purky_6
- Track 146 : Amymech_9, Webster2_9, Evanesce_9, Wishmaker_9, LilHazelNut_9, OBUpride_9, Ein37_9, Luna22_9, Daegal_10, Dewey_9, Ubuntu_9, Hail_9, BloominB_9, Giles_9, Luke_9, Hadrien_9, Forge_9, HH92_9, DeepSoil15_9, Kinbote_9, Amochick_9
- Track 147 : Gancho_8, Gravaillia_9
- Track 148 : NovoPizza_7
- Track 149 : Bubbykins_11
- Track 150 : Mbo4_6
- Track 151 : Lukepolites_8
- Track 152 : Finkle_6
- Track 153 : Whack_6
- Track 154 : REQ2_06

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

The start number called the most often in the published annotations is 37, it was called in 234 of the 296 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abba_8, Adora_6, AirForce1_9, Amochick_9, Amymech_9, Annalisa_7, Araceli_16, ArchiDore_6, Archis_6, Arib1_6, Atcoo_6, Attis_6, Ayotoya_10, Azula_6, Barco_6, BarretLemon_9, Bartholomew_6, BaxterFox_6, Beenie_7, Begonia_6, BetterKatz_10, Bhagsy_6, BigDome_9, BigNuz_6, Bjaner7_6, BlackJade_14, BlingBling_6, Blino_6, BloominB_9, Blueberry_6, Bock_10, Bogie_6, Bogota_16, Bolt007_8, BossLady_9, BronnyJr_6, Brusacoram_6, Bryllie_10, Bunnies_6, CactusJack_6, CalWood4100_8, Camster_6, CaptainKirk2_6, CarolAnn_6, CheeseSpider_6, Chop_10, Chubbello_6, Clap_6, Clark_7, Coriander_7, Crosby_16, Cynthia_6, Daegal_10, DeepSoil15_9, DelRio_10, Delian_6, Denise_6, Dewey_9, DirtyBoi_7, Divya_8, Dmitri_7, DobbysSock_6, Doggs_6, Dolores_7, Donovan_6, Dorito_6, DumpsterDude_6, Dynamo_6, Easley_7, Ebert_6, EdnaMode_6, Ein37_9, Etoile_6, Evanesce_9, Fairfaxidum_6, Fenry_6, Finkle_6, FirstPlacePfu_6, Fishburne_6, Forge_9, Francois_10, FroggyToad_6, Frokostdame_6, GaloreK_6, Gambino_6, Gancho_8, Gavriela_6, GemG_6, Giles_9, Gizermo_6, Glaske_6, GoldDust_10, Gooberta_10, GrandSlam_10, Gravaillia_9, GravityBall_9, GreaseLightnin_6, Grekaycon_9, Guacamole_6, HH92_9, HUHilltop_6, Hadrien_9, Hail_9, Haley23_6, Hamood_10, Hedwig_7, Henoccus_16, Hirko_9, Hitter_6, Hortense_6, Howe_6, Intolerant_15, Invectra_7, JCole_6, JKerns_9, JackieB_15, Jalammah_6, Jalleen_6, JasperJr_6,

Jebeks_6, Jinkies_10, Jordan_9, JuJu_6, Jung_6, Juniormint_6, JustASigh_6, KappaFarmDelta_6, Kari_6, Kiko_7, KilKor_6, Kinbote_9, Klevey_8, Ksquared_6, Lamberg_6, Langerak_6, LazerLemon_15, LeeroyJ_9, LilHazelNut_9, Lilmac1015_8, LordFarquaad_6, Luke_9, Luna22_9, Lysidious_6, Majeke_6, MakCheese_6, Malachai_6, Malibo_6, Malithi_6, Mangethe_6, Marky_16, Martha_9, Matteo_6, Mbo4_6, Megiddo_6, Melba_6, Mellie_6, MichaelScott_7, Microdon_15, MintFen_6, MissRona_6, Mocha12_6, Moonflower_7, Mulch_10, Murp_6, Music_10, Nadeem_10, NancyRae_10, Nandito_8, Nazo_6, Necropolis_6, Nettuno_6, Nostromo_8, NovoPizza_7, OBUpride_9, Obliviate_6, Ohgeesy_6, Oregano_7, PCoral7_6, PantheRoc_6, Parada_10, PeanutPie_6, Petra_6, Phalm_6, Phayonce_6, Phegasus_6, Phineas_6, PhriskyACE_6, PhrostedPhlake_6, Pickett_6, Pimento_10, Pipp_6, Pippa_9, Polkaroo_6, Powerball_6, Prairie_8, PrincePatrick_6, Purky_6, Pygmy_6, REQ2_06, RayTheFireFly_7, Ruthy_6, Sahara_6, Samba_6, Samman98_7, Savage_6, Sekhmet_7, Shade_9, Shipwreck_6, Shlim410_6, Shynx_16, Sicarius2_10, Sidious_6, SoilAssassin_6, Sonah_6, Sonny_9, Sprinklemunch_6, Sproutie_6, StevieBAY_9, StevieRay_6, StressBall_6, Suerte_6, SunnyJune_10, TaeYoung_9, Techage_6, Thespis_6, Thimann_7, ThulaThula_6, Timinator_9, Toast_6, Tortellini_6, TuertoX_6, Tuti_8, Twinkle_6, UNTPL_16, Ubuntu_9, UmaThurman_6, Utz_6, Vasanti_6, Venti_6, Vibaki_10, Vidya_6, Vitus_10, Walrus_6, Webster2_9, Whack_6, WheatThin_10, Whiteclaw_6, William_6, Willsammy_6, WinkNick_7, Wishmaker_9, Wisp_6, Wocket_6, Wyborn_10, Xavia_6, Yeet412_6, Yeezy_6, Zarbodnamra_6, Zartrosa_9, ZiggyZoo_6, Zilizebeth_6, Zilla_6, Zodiariah_6,

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

- Stuff_15, Weirdo19_7,

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

- Adelaide_6, AllBusiness_9, Altadena_8, ArV1_009, BBQValindra_6, BackstagePass_6, Beans_8, BigSherm_9, Bowser_6, Bran_6, Brent_8, Bubbykins_11, Bumble_8, Bunker_6, Chipper1996_120, Chocolat_12, Chubster_12, Circuit_8, Cole_8, Colucci_11, Conboy_12, Dina_6, Dirtdigger_9, Donatella_9, DrYang_12, EastWest_10, EdgarPoe_12, Elesar_9, Eyes_6, Franzy_8, GEazy_6, Gallop_7, GoodLuckBabe_10, Guinevere_10, Gusanita_8, Halloween_8, HannahD_6, HumptyDumpty_12, Ichiang_8, IsHungry_10, JaNo_12, Jawnski_8, JayCookie_12, Julie_10, KBurrousTX_12, Kabreeze_12, Kihatsu_11, King2_8, Lederberg_6, Lenoxika_10, Linus_12, Lukepolites_8, Lymara_12, MillySue_10, Mordred_12, MoyaNatalis_12, Nandita_10, NathanVaag_8, Orkz_12, Piccoletto_8, Popper_8, PrincessTrina_12, QuinnAvery_10, RosiePosie_12, Ryan_10, SamW_6, Scavito_12, Schism_10, Spartan_6, StAB_6, Stiles_6, ToastyOats_11, Toodles_10, Tophat_12, Troy_6, Yonex_10, Zaheer_10,

Summary by start number:

Start 31:

- Found in 2 of 342 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Spartan_6 (ES),

Start 32:

- Found in 1 of 342 (0.3%) of genes in pham
- No Manual Annotations of this start.

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Orkz_12 (FL),

Start 33:

- Found in 1 of 342 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bubbykins_11 (UNK),

Start 34:

- Found in 20 of 342 (5.8%) of genes in pham
- Manual Annotations of this start: 19 of 296
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chipper1996_120 (AR), Chocolat_12 (AR), Chubster_12 (AR), Colucci_11 (AR), Conboy_12 (AR), DrYang_12 (AR), EastWest_10 (AO), EdgarPoe_12 (AR), HumptyDumpty_12 (AR), JaNo_12 (AR), JayCookie_12 (AR), Kabreeze_12 (AR), Linus_12 (AR), Lymara_12 (AR), Mordred_12 (AR), MoyaNatalis_12 (AR), PrincessTrina_12 (AR), RosiePosie_12 (AR), Scavito_12 (AR), Tophat_12 (AR),

Start 35:

- Found in 10 of 342 (2.9%) of genes in pham
- Manual Annotations of this start: 8 of 296
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ArV1_009 (AR), Beans_8 (AO1), Brent_8 (AO1), Franzy_8 (AO1), Jawnski_8 (AO1), KBurroustX_12 (AR), King2_8 (AO1), Lukepolites_8 (singleton), NathanVaag_8 (AO1), Piccoletto_8 (AO1),

Start 36:

- Found in 16 of 342 (4.7%) of genes in pham
- Manual Annotations of this start: 12 of 296
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dirtdigger_9 (FF), Donatella_9 (FF), GoodLuckBabe_10 (FF), Guinevere_10 (FF), Gusanita_8 (FF), Halloween_8 (FF), Ichiang_8 (FF), IsHungry_10 (FF), Kihatsu_11 (FF), Lenoxika_10 (FF), Nandita_10 (FF), Popper_8 (FF), Ryan_10 (FF), Schism_10 (FF), Yonex_10 (FF), Zaheer_10 (FF),

Start 37:

- Found in 265 of 342 (77.5%) of genes in pham
- Manual Annotations of this start: 234 of 296
- Called 99.2% of time when present
- Phage (with cluster) where this start called: Abba_8 (AO3), Adora_6 (CZ4), AirForce1_9 (FL), Amochick_9 (Q), Amymech_9 (Q), Annalisa_7 (CZ4), Araceli_16 (BH), ArchiDore_6 (DW), Archis_6 (CV), Arib1_6 (P1), Atcoo_6 (P1), Attis_6 (CZ2), Ayotoya_10 (DI), Azula_6 (CV), Barco_6 (CV), BarretLemon_9 (AO2), Bartholomew_6 (P1), BaxterFox_6 (CZ3), Beenie_7 (CZ4), Begonia_6 (CV), BetterKatz_10 (DI), Bhagsy_6 (P1), BigDome_9 (AO2), BigNuz_6 (P4), Bjaner7_6 (CZ2), BlackJade_14 (FL), BlingBling_6 (CV), Blino_6 (CV), BloominB_9 (Q), Blueberry_6 (CV), Bock_10 (DI), Bogie_6 (P1), Bogota_16 (BH), Bolt007_8 (FH), BossLady_9 (AO2), BronnyJr_6 (P1), Brusacoram_6 (P1), Brylie_10 (DI), Bunnies_6 (P1), CactusJack_6 (P1), CalWood4100_8 (FH), Camster_6 (P1), CaptainKirk2_6 (CV), CarolAnn_6 (CV), CheeseSpider_6 (CV), Chop_10 (DI), Chubbello_6 (P1),

Clap_6 (CZ2), Clark_7 (CZ4), Coriander_7 (DB), Crosby_16 (BH), Cynthia_6 (CZ2), Daegal_10 (Q), DeepSoil15_9 (Q), DelRio_10 (DI), Delian_6 (CV), Denise_6 (CZ5), Dewey_9 (Q), DirtyBoi_7 (DB), Divya_8 (FL), Dmitri_7 (DB), DobbysSock_6 (CZ4), Doggs_6 (DB), Dolores_7 (CZ4), Donovan_6 (P1), Dorito_6 (CZ4), DumpsterDude_6 (DW), Dynamo_6 (P1), Easley_7 (CZ4), Ebert_6 (CZ2), EdnaMode_6 (CZ2), Ein37_9 (Q), Étoile_6 (P1), Evanesce_9 (Q), Fairfaxidum_6 (CV), Fenry_6 (CV), Finkle_6 (singleton), FirstPlacePfu_6 (P1), Fishburne_6 (P1), Forge_9 (Q), Francois_10 (DI), FroggyToad_6 (CZ2), Frokostdame_6 (CV), GaloreK_6 (P1), Gambino_6 (CV), Gancho_8 (Q), Gavriela_6 (P1), GemG_6 (CZ2), Giles_9 (Q), Gizermo_6 (CZ2), Glaske_6 (P1), GoldDust_10 (FL), Gooberta_10 (FL), GrandSlam_10 (DI), Gravaiilia_9 (Q), GravityBall_9 (AO2), GreaseLightnin_6 (P1), Grekaycon_9 (AO2), Guacamole_6 (CV), HH92_9 (Q), HUHilltop_6 (P1), Hadrien_9 (Q), Hail_9 (Q), Haley23_6 (CZ2), Hamood_10 (DI), Hedwig_7 (DB), Henoccus_16 (BH), Hirko_9 (FL), Hitter_6 (CV), Hortense_6 (CZ4), Howe_6 (CZ4), Intolerant_15 (BH), Invectra_7 (CZ4), JCole_6 (CZ2), JKerns_9 (AO2), JackieB_15 (BH), Jalammah_6 (CV), Jalleen_6 (CZ2), JasperJr_6 (CV), Jebeks_6 (P1), Jinkies_10 (FL), Jordan_9 (AO2), JuJu_6 (CV), Jung_6 (P1), Juniormint_6 (P1), JustASigh_6 (AH), KappaFarmDelta_6 (CV), Kari_6 (P1), Kiko_7 (DB), KilKor_6 (P1), Kinbote_9 (Q), Klevey_8 (FH), Ksquared_6 (P1), Lamberg_6 (CZ2), Langerak_6 (P1), LazerLemon_15 (BH), LeeroyJ_9 (AO2), LilHazelNut_9 (Q), Lilmac1015_8 (FH), LordFarquaad_6 (CZ2), Luke_9 (Q), Luna22_9 (Q), Lysidious_6 (CV), Majeke_6 (P1), MakCheese_6 (DW), Malachai_6 (CV), Malibo_6 (DW), Malithi_6 (P1), Mangethe_6 (P1), Marky_16 (BH), Martha_9 (AO2), Matteo_6 (CZ2), Mbo4_6 (singleton), Megiddo_6 (P1), Melba_6 (CV), Mellie_6 (CV), MichaelScott_7 (CZ4), Microdon_15 (BH), MintFen_6 (CV), MissRona_6 (CV), Mocha12_6 (CZ2), Moonflower_7 (DB), Mulch_10 (DI), Murp_6 (CV), Music_10 (FL), Nadeem_10 (DI), NancyRae_10 (DI), Nandito_8 (FH), Nazo_6 (P4), Necropolis_6 (P1), Nettuno_6 (CZ2), Nostromo_8 (AO3), NovoPizza_7 (Q), OBUpride_9 (Q), Obliviate_6 (CV), Ohgeesy_6 (CZ), Oregano_7 (CZ4), PCoral7_6 (CV), PantheRoc_6 (CZ3), Parada_10 (DI), PeanutPie_6 (P1), Petra_6 (CV), Phalm_6 (P1), Phayonce_6 (P5), Phegasus_6 (P1), Phineas_6 (P1), PhriskyACE_6 (CZ4), PhrostedPhlake_6 (CV), Pickett_6 (CZ2), Pimento_10 (DI), Pipp_6 (CV), Pippa_9 (AO2), Polkaroo_6 (P1), Powerball_6 (CZ4), Prairie_8 (FH), PrincePatrick_6 (CV), Purky_6 (P6), Pygmy_6 (P1), REQ2_06 (singleton), RayTheFireFly_7 (DB), Ruthy_6 (DW), Sahara_6 (CZ2), Samba_6 (CV), Samman98_7 (CZ4), Savage_6 (CZ2), Sekhmet_7 (CZ4), Shade_9 (AO2), Shipwreck_6 (P1), Shlim410_6 (CZ4), Shynx_16 (BH), Sicarius2_10 (AO2), Sidious_6 (CZ7), SoilAssassin_6 (CZ2), Sonah_6 (P1), Sonny_9 (AO2), Sprinklemunch_6 (DW), Sproutie_6 (CZ2), StevieBAY_9 (AO2), StevieRay_6 (P1), StressBall_6 (P1), Suerte_6 (CZ4), SunnyJune_10 (FL), TaeYoung_9 (AO2), Techage_6 (P1), Thespis_6 (P1), Thimann_7 (CZ4), ThulaThula_6 (P5), Timinator_9 (AO2), Toast_6 (CV), Tortellini_6 (P2), TuertoX_6 (CZ2), Tuti_8 (CZ4), Twinkle_6 (CZ4), UNTPL_16 (BH), Ubuntu_9 (Q), UmaThurman_6 (CV), Utz_6 (CV), Vasanti_6 (CZ2), Venti_6 (P1), Vibaki_10 (FL), Vidya_6 (P1), Vitus_10 (FL), Walrus_6 (CV), Webster2_9 (Q), Whack_6 (singleton), WheatThin_10 (DI), Whiteclaw_6 (CZ2), William_6 (CV), Willsammy_6 (P1), WinkNick_7 (CZ4), Wishmaker_9 (Q), Wisp_6 (CV), Wocket_6 (CV), Wyborn_10 (AO2), Xavia_6 (P3), Yeet412_6 (CZ2), Yeezy_6 (CZ3), Zarbodnamra_6 (CV), Zartrosa_9 (AO2), ZiggyZoo_6 (CV), Zilizebeth_6 (P1), Zilla_6 (CV), Zodiariah_6 (DW),

Start 38:

- Found in 2 of 342 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 296
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Altadena_8 (FH), Circuit_8 (FH),

Start 39:

- Found in 17 of 342 (5.0%) of genes in pham
- Manual Annotations of this start: 12 of 296
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AllBusiness_9 (FF), BBQValindra_6 (DB), BackstagePass_6 (DB), BigSherm_9 (FF), Bowser_6 (DB), Bumble_8 (FH), Bunker_6 (DB), Cole_8 (FF), Elesar_9 (FF), Eyes_6 (DB), GEazy_6 (DB), HannahD_6 (DB), Julie_10 (FF), MillySue_10 (FF), QuinnAvery_10 (FF), ToastyOats_11 (FF), Toodles_10 (FF),

Start 40:

- Found in 10 of 342 (2.9%) of genes in pham
- Manual Annotations of this start: 8 of 296
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Adelaide_6 (EP), Bran_6 (EP), Dina_6 (EP), Lederberg_6 (EP), SamW_6 (EP), StAB_6 (EP), Stiles_6 (EP), Troy_6 (EP),

Start 41:

- Found in 14 of 342 (4.1%) of genes in pham
- Manual Annotations of this start: 1 of 296
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Gallop_7 (ES), Stuff_15 (BH),

Start 42:

- Found in 1 of 342 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Weirido19_7 (AH),

Summary by clusters:

There are 31 clusters represented in this pham: singleton, DI, CZ2, CZ3, BH, CZ7, CZ4, CZ5, FF, FH, DW, FL, CV, AH, P2, P3, P1, P6, P4, P5, DB, AO, Q, CZ, AR, AO3, AO2, AO1, UNK, EP, ES,

Info for manual annotations of cluster AH:

- Start number 37 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster AO:

- Start number 34 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster AO1:

- Start number 35 was manually annotated 7 times for cluster AO1.

Info for manual annotations of cluster AO2:

- Start number 37 was manually annotated 17 times for cluster AO2.

Info for manual annotations of cluster AO3:

- Start number 37 was manually annotated 2 times for cluster AO3.

Info for manual annotations of cluster AR:

- Start number 34 was manually annotated 18 times for cluster AR.
- Start number 35 was manually annotated 1 time for cluster AR.

Info for manual annotations of cluster BH:

- Start number 37 was manually annotated 11 times for cluster BH.
- Start number 41 was manually annotated 1 time for cluster BH.

Info for manual annotations of cluster CV:

- Start number 37 was manually annotated 42 times for cluster CV.

Info for manual annotations of cluster CZ:

- Start number 37 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ2:

- Start number 37 was manually annotated 23 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 37 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 37 was manually annotated 21 times for cluster CZ4.

Info for manual annotations of cluster CZ5:

- Start number 37 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ7:

- Start number 37 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster DB:

- Start number 37 was manually annotated 7 times for cluster DB.
- Start number 39 was manually annotated 6 times for cluster DB.

Info for manual annotations of cluster DI:

- Start number 37 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DW:

- Start number 37 was manually annotated 5 times for cluster DW.

Info for manual annotations of cluster EP:

- Start number 40 was manually annotated 8 times for cluster EP.

Info for manual annotations of cluster FF:

- Start number 36 was manually annotated 12 times for cluster FF.
- Start number 39 was manually annotated 5 times for cluster FF.

Info for manual annotations of cluster FH:

- Start number 37 was manually annotated 4 times for cluster FH.
- Start number 38 was manually annotated 2 times for cluster FH.
- Start number 39 was manually annotated 1 time for cluster FH.

Info for manual annotations of cluster FL:

- Start number 37 was manually annotated 5 times for cluster FL.

Info for manual annotations of cluster P1:

- Start number 37 was manually annotated 43 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 37 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 37 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:

- Start number 37 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 37 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

- Start number 37 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster Q:

- Start number 37 was manually annotated 23 times for cluster Q.

Gene Information:

Gene: Abba_8 Start: 7403, Stop: 8290, Start Num: 37

Candidate Starts for Abba_8:

(Start: 37 @7403 has 234 MA's), (70, 7568), (76, 7649), (97, 7751), (103, 7787), (127, 7880), (131, 7892), (173, 8072), (186, 8132), (209, 8207), (213, 8228),

Gene: Adelaide_6 Start: 5118, Stop: 6050, Start Num: 40

Candidate Starts for Adelaide_6:

(30, 5085), (Start: 40 @5118 has 8 MA's), (76, 5355), (81, 5379), (87, 5409), (90, 5421), (97, 5457), (98, 5460), (103, 5493), (138, 5664), (143, 5691), (154, 5736), (166, 5790), (177, 5838), (195, 5910), (204, 5946), (205, 5958), (206, 5961), (211, 5982), (217, 6021), (222, 6039),

Gene: Adora_6 Start: 4904, Stop: 5836, Start Num: 37

Candidate Starts for Adora_6:

(Start: 37 @4904 has 234 MA's), (43, 4928), (50, 4967), (51, 4970), (59, 5012), (69, 5075), (88, 5210), (93, 5228), (98, 5255), (112, 5339), (114, 5348), (127, 5411), (140, 5468), (144, 5486), (150, 5513), (156, 5537), (160, 5552), (166, 5582), (174, 5612), (183, 5651), (213, 5783), (216, 5792),

Gene: AirForce1_9 Start: 7047, Stop: 7931, Start Num: 37

Candidate Starts for AirForce1_9:

(Start: 37 @7047 has 234 MA's), (69, 7212), (73, 7263), (77, 7299), (90, 7362), (97, 7398), (176, 7731), (184, 7767), (186, 7779), (201, 7815), (208, 7851), (213, 7875),

Gene: AllBusiness_9 Start: 6603, Stop: 7514, Start Num: 39

Candidate Starts for AllBusiness_9:

(19, 6477), (21, 6489), (Start: 39 @6603 has 12 MA's), (65, 6741), (104, 6993), (142, 7155), (200, 7392), (213, 7458), (215, 7464),

Gene: Altadena_8 Start: 7167, Stop: 8045, Start Num: 38

Candidate Starts for Altadena_8:

(Start: 38 @7167 has 2 MA's), (71, 7341), (76, 7413), (82, 7443), (90, 7479), (97, 7515), (115, 7605), (127, 7644), (178, 7860), (209, 7971),

Gene: Amochick_9 Start: 6580, Stop: 7536, Start Num: 37

Candidate Starts for Amochick_9:

(Start: 37 @6580 has 234 MA's), (50, 6640), (58, 6682), (59, 6685), (76, 6823), (86, 6865), (90, 6889), (93, 6901), (99, 6940), (100, 6943), (101, 6949), (110, 6997), (112, 7012), (124, 7057), (144, 7174), (147, 7189), (150, 7201), (155, 7219), (162, 7249), (171, 7291), (172, 7294), (174, 7306), (184, 7348), (194, 7390), (223, 7525),

Gene: Amymech_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for Amymech_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: Annalisa_7 Start: 5345, Stop: 6268, Start Num: 37

Candidate Starts for Annalisa_7:

(Start: 37 @5345 has 234 MA's), (54, 5429), (64, 5477), (104, 5732), (107, 5750), (142, 5897), (143, 5900), (145, 5912), (164, 5984), (173, 6017), (189, 6092), (196, 6125), (209, 6191), (212, 6206), (213, 6212), (222, 6257),

Gene: ArV1_009 Start: 8041, Stop: 8937, Start Num: 35

Candidate Starts for ArV1_009:

(14, 7894), (15, 7897), (16, 7906), (20, 7927), (23, 7948), (26, 7963), (Start: 35 @8041 has 8 MA's), (Start: 40 @8053 has 8 MA's), (56, 8140), (69, 8212), (75, 8275), (77, 8302), (90, 8365), (104, 8440), (109, 8464), (116, 8500), (134, 8563), (164, 8698), (167, 8713), (188, 8800), (213, 8887),

Gene: Araceli_16 Start: 11657, Stop: 12625, Start Num: 37

Candidate Starts for Araceli_16:

(Start: 37 @11657 has 234 MA's), (Start: 41 @11663 has 1 MA's), (44, 11681), (58, 11756), (62, 11774), (63, 11777), (74, 11867), (75, 11873), (81, 11921), (86, 11939), (98, 12002), (99, 12014), (100, 12017), (107, 12056), (146, 12266), (149, 12278), (156, 12305), (160, 12323), (168, 12371), (175, 12395), (210, 12530), (212, 12539),

Gene: ArchiDore_6 Start: 5416, Stop: 6348, Start Num: 37

Candidate Starts for ArchiDore_6:

(Start: 37 @5416 has 234 MA's), (43, 5431), (56, 5503), (76, 5653), (90, 5719), (93, 5731), (94, 5734), (99, 5770), (114, 5851), (130, 5923), (150, 6019), (172, 6106), (214, 6292),

Gene: Archis_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for Archis_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (48, 5248), (54, 5284), (59, 5308), (73, 5413), (93, 5524), (98, 5551), (114, 5644), (115, 5650), (143, 5782), (150, 5812), (156, 5836), (160, 5851), (172, 5899), (174, 5911), (223, 6130),

Gene: Arib1_6 Start: 5299, Stop: 6243, Start Num: 37

Candidate Starts for Arib1_6:

(Start: 37 @5299 has 234 MA's), (46, 5332), (54, 5383), (76, 5545), (92, 5620), (97, 5647), (98, 5650), (102, 5674), (105, 5689), (107, 5704), (132, 5800), (142, 5854), (146, 5872), (155, 5905), (169, 5977), (186, 6058), (193, 6085), (200, 6121), (203, 6136), (213, 6187), (215, 6193), (222, 6232),

Gene: Atcoo_6 Start: 5282, Stop: 6226, Start Num: 37

Candidate Starts for Atcoo_6:

(Start: 37 @5282 has 234 MA's), (47, 5327), (54, 5366), (76, 5528), (92, 5603), (97, 5630), (98, 5633), (102, 5657), (105, 5672), (107, 5687), (126, 5762), (132, 5783), (146, 5855), (155, 5888), (157, 5897), (169, 5960), (186, 6041), (187, 6044), (193, 6068), (200, 6104), (203, 6119), (213, 6170), (215, 6176), (216, 6179), (222, 6215),

Gene: Attis_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Attis_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: Ayotoya_10 Start: 7129, Stop: 8061, Start Num: 37

Candidate Starts for Ayotoya_10:

(Start: 37 @7129 has 234 MA's), (43, 7144), (53, 7201), (54, 7204), (56, 7216), (76, 7366), (90, 7432), (93, 7444), (99, 7483), (114, 7564), (150, 7732), (160, 7771), (171, 7816), (181, 7864), (214, 8005), (223, 8050),

Gene: Azula_6 Start: 5041, Stop: 5970, Start Num: 37

Candidate Starts for Azula_6:

(Start: 37 @5041 has 234 MA's), (43, 5062), (51, 5104), (62, 5161), (69, 5209), (76, 5284), (82, 5314), (88, 5344), (93, 5362), (98, 5389), (99, 5401), (103, 5422), (112, 5473), (121, 5509), (140, 5602), (143, 5617), (150, 5647), (174, 5746), (182, 5782), (186, 5800), (213, 5917), (216, 5926),

Gene: BBQValindra_6 Start: 5200, Stop: 6117, Start Num: 39

Candidate Starts for BBQValindra_6:

(22, 5116), (Start: 39 @5200 has 12 MA's), (66, 5335), (69, 5368), (82, 5473), (133, 5698), (145, 5764), (146, 5767), (150, 5782), (153, 5794), (154, 5797), (156, 5806), (164, 5836), (167, 5851), (168, 5857), (189, 5944), (203, 6010), (207, 6031), (209, 6040), (213, 6061),

Gene: BackstagePass_6 Start: 5177, Stop: 6094, Start Num: 39

Candidate Starts for BackstagePass_6:

(22, 5093), (Start: 39 @5177 has 12 MA's), (66, 5312), (69, 5345), (82, 5450), (133, 5675), (145, 5741), (146, 5744), (150, 5759), (153, 5771), (154, 5774), (156, 5783), (164, 5813), (167, 5828), (168, 5834), (189, 5921), (196, 5954), (203, 5987), (207, 6008), (209, 6017), (213, 6038),

Gene: Barco_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for Barco_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (48, 5248), (54, 5284), (59, 5308), (73, 5413), (76, 5446), (93, 5524), (98, 5551), (114, 5644), (115, 5650), (143, 5782), (150, 5812), (156, 5836), (160, 5851), (172, 5899), (174, 5911), (223, 6130),

Gene: BarretLemon_9 Start: 7550, Stop: 8437, Start Num: 37

Candidate Starts for BarretLemon_9:

(Start: 37 @7550 has 234 MA's), (69, 7718), (82, 7832), (90, 7868), (101, 7928), (116, 7997), (139, 8081), (142, 8102), (151, 8138), (172, 8219), (176, 8237), (186, 8285), (209, 8360), (213, 8381),

Gene: Bartholomew_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for Bartholomew_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: BaxterFox_6 Start: 4895, Stop: 5824, Start Num: 37

Candidate Starts for BaxterFox_6:

(Start: 37 @4895 has 234 MA's), (51, 4958), (59, 5000), (76, 5138), (88, 5198), (93, 5216), (112, 5327), (143, 5471), (150, 5501), (171, 5585), (174, 5600), (196, 5699), (213, 5771), (216, 5780),

Gene: Beans_8 Start: 7217, Stop: 8110, Start Num: 35

Candidate Starts for Beans_8:

(Start: 35 @7217 has 8 MA's), (76, 7472), (82, 7502), (97, 7574), (136, 7736), (142, 7772), (176, 7907), (186, 7955), (203, 8000), (209, 8030), (213, 8051),

Gene: Beenie_7 Start: 5345, Stop: 6268, Start Num: 37

Candidate Starts for Beenie_7:

(Start: 37 @5345 has 234 MA's), (54, 5429), (64, 5477), (104, 5732), (107, 5750), (142, 5897), (145, 5912), (164, 5984), (173, 6017), (189, 6092), (196, 6125), (209, 6191), (213, 6212), (222, 6257),

Gene: Begonia_6 Start: 5212, Stop: 6141, Start Num: 37

Candidate Starts for Begonia_6:

(Start: 37 @5212 has 234 MA's), (43, 5227), (48, 5251), (54, 5287), (59, 5311), (73, 5416), (76, 5449), (93, 5527), (98, 5554), (114, 5647), (115, 5653), (143, 5785), (150, 5815), (156, 5839), (160, 5854), (172, 5902), (174, 5914), (223, 6133),

Gene: BetterKatz_10 Start: 7097, Stop: 8029, Start Num: 37

Candidate Starts for BetterKatz_10:

(Start: 37 @7097 has 234 MA's), (43, 7112), (53, 7169), (54, 7172), (56, 7184), (76, 7334), (82, 7364), (90, 7400), (93, 7412), (99, 7451), (114, 7532), (150, 7700), (160, 7739), (181, 7832), (214, 7973), (223, 8018),

Gene: Bhagsy_6 Start: 5285, Stop: 6229, Start Num: 37

Candidate Starts for Bhagsy_6:

(Start: 37 @5285 has 234 MA's), (47, 5330), (54, 5369), (76, 5531), (92, 5606), (97, 5633), (98, 5636), (102, 5660), (105, 5675), (107, 5690), (126, 5765), (132, 5786), (146, 5858), (155, 5891), (157, 5900), (169, 5963), (186, 6044), (193, 6071), (200, 6107), (203, 6122), (213, 6173), (215, 6179), (216, 6182), (222, 6218),

Gene: BigDome_9 Start: 7537, Stop: 8424, Start Num: 37

Candidate Starts for BigDome_9:

(Start: 37 @7537 has 234 MA's), (69, 7705), (82, 7819), (90, 7855), (101, 7915), (116, 7984), (142, 8089), (151, 8125), (172, 8206), (176, 8224), (186, 8272), (203, 8317), (209, 8347), (213, 8368),

Gene: BigNuz_6 Start: 5266, Stop: 6216, Start Num: 37

Candidate Starts for BigNuz_6:

(Start: 37 @5266 has 234 MA's), (54, 5350), (55, 5353), (92, 5587), (97, 5614), (102, 5641), (105, 5656), (107, 5671), (132, 5773), (146, 5845), (155, 5878), (157, 5887), (164, 5923), (168, 5944), (169, 5950), (183, 6016), (186, 6031), (193, 6058), (203, 6109), (215, 6166), (222, 6205),

Gene: BigSherm_9 Start: 6551, Stop: 7462, Start Num: 39

Candidate Starts for BigSherm_9:

(27, 6503), (Start: 39 @6551 has 12 MA's), (142, 7103), (200, 7340), (213, 7406), (215, 7412),

Gene: Bjaner7_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Bjaner7_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: BlackJade_14 Start: 9378, Stop: 10262, Start Num: 37

Candidate Starts for BlackJade_14:

(Start: 37 @9378 has 234 MA's), (76, 9627), (97, 9729), (100, 9747), (172, 10044), (176, 10062), (201, 10146), (209, 10185), (213, 10206),

Gene: BlingBling_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for BlingBling_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (48, 5248), (54, 5284), (59, 5308), (76, 5446), (93, 5524), (98, 5551), (114, 5644), (115, 5650), (143, 5782), (150, 5812), (156, 5836), (160, 5851), (172, 5899), (174, 5911), (223, 6130),

Gene: Blino_6 Start: 5044, Stop: 5973, Start Num: 37

Candidate Starts for Blino_6:

(Start: 37 @5044 has 234 MA's), (43, 5065), (51, 5107), (62, 5164), (69, 5212), (76, 5287), (82, 5317), (88, 5347), (93, 5365), (98, 5392), (99, 5404), (103, 5425), (112, 5476), (121, 5512), (140, 5605), (143, 5620), (150, 5650), (171, 5734), (182, 5785), (186, 5803), (213, 5920), (216, 5929),

Gene: BloominB_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for BloominB_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: Blueberry_6 Start: 5041, Stop: 5970, Start Num: 37

Candidate Starts for Blueberry_6:

(Start: 37 @5041 has 234 MA's), (43, 5062), (51, 5104), (62, 5161), (69, 5209), (76, 5284), (82, 5314), (88, 5344), (93, 5362), (98, 5389), (99, 5401), (103, 5422), (112, 5473), (121, 5509), (140, 5602), (143, 5617), (150, 5647), (174, 5746), (182, 5782), (186, 5800), (213, 5917), (216, 5926),

Gene: Bock_10 Start: 6847, Stop: 7779, Start Num: 37

Candidate Starts for Bock_10:

(Start: 37 @6847 has 234 MA's), (43, 6862), (53, 6919), (54, 6922), (56, 6934), (76, 7084), (82, 7114), (90, 7150), (93, 7162), (99, 7201), (114, 7282), (150, 7450), (160, 7489), (171, 7534), (181, 7582), (214, 7723), (223, 7768),

Gene: Bogie_6 Start: 5282, Stop: 6226, Start Num: 37

Candidate Starts for Bogie_6:

(Start: 37 @5282 has 234 MA's), (47, 5327), (54, 5366), (76, 5528), (92, 5603), (97, 5630), (102, 5657), (105, 5672), (107, 5687), (126, 5762), (132, 5783), (146, 5855), (155, 5888), (157, 5897), (169, 5960), (186, 6041), (200, 6104), (203, 6119), (215, 6176), (216, 6179), (222, 6215),

Gene: Bogota_16 Start: 11786, Stop: 12754, Start Num: 37

Candidate Starts for Bogota_16:

(Start: 37 @11786 has 234 MA's), (Start: 41 @11792 has 1 MA's), (44, 11810), (58, 11885), (62, 11903), (63, 11906), (74, 11996), (75, 12002), (81, 12050), (86, 12068), (98, 12131), (99, 12143), (100, 12146), (107, 12185), (146, 12395), (149, 12407), (156, 12434), (158, 12443), (168, 12500), (175,

12524), (210, 12659), (212, 12668),

Gene: Bolt007_8 Start: 7115, Stop: 7996, Start Num: 37

Candidate Starts for Bolt007_8:

(Start: 37 @7115 has 234 MA's), (65, 7247), (69, 7280), (76, 7364), (77, 7367), (100, 7484), (122, 7574), (127, 7595), (142, 7664), (154, 7712), (173, 7787), (209, 7922), (219, 7976),

Gene: BossLady_9 Start: 7568, Stop: 8455, Start Num: 37

Candidate Starts for BossLady_9:

(Start: 37 @7568 has 234 MA's), (82, 7850), (90, 7886), (97, 7922), (116, 8015), (122, 8030), (136, 8084), (139, 8099), (150, 8153), (176, 8255), (186, 8303), (213, 8399),

Gene: Bowser_6 Start: 5198, Stop: 6115, Start Num: 39

Candidate Starts for Bowser_6:

(7, 4940), (Start: 39 @5198 has 12 MA's), (66, 5333), (69, 5366), (82, 5471), (133, 5696), (145, 5762), (146, 5765), (150, 5780), (153, 5792), (154, 5795), (164, 5834), (167, 5849), (168, 5855), (189, 5942), (196, 5975), (203, 6008), (207, 6029), (209, 6038), (213, 6059),

Gene: Bran_6 Start: 5123, Stop: 6055, Start Num: 40

Candidate Starts for Bran_6:

(29, 5087), (30, 5090), (Start: 40 @5123 has 8 MA's), (76, 5360), (81, 5384), (87, 5414), (90, 5426), (97, 5462), (98, 5465), (103, 5498), (138, 5669), (143, 5696), (154, 5741), (166, 5795), (177, 5843), (195, 5915), (204, 5951), (206, 5966), (211, 5987), (217, 6026), (222, 6044),

Gene: Brent_8 Start: 7215, Stop: 8108, Start Num: 35

Candidate Starts for Brent_8:

(Start: 35 @7215 has 8 MA's), (69, 7386), (76, 7470), (77, 7473), (82, 7500), (101, 7596), (116, 7665), (136, 7734), (142, 7770), (176, 7905), (186, 7953), (201, 7989), (209, 8028),

Gene: BronnyJr_6 Start: 5302, Stop: 6246, Start Num: 37

Candidate Starts for BronnyJr_6:

(Start: 37 @5302 has 234 MA's), (46, 5335), (54, 5386), (75, 5524), (76, 5548), (92, 5623), (97, 5650), (98, 5653), (102, 5677), (105, 5692), (107, 5707), (132, 5803), (142, 5857), (146, 5875), (155, 5908), (169, 5980), (186, 6061), (193, 6088), (200, 6124), (203, 6139), (213, 6190), (215, 6196), (222, 6235),

Gene: Brusacoram_6 Start: 5281, Stop: 6225, Start Num: 37

Candidate Starts for Brusacoram_6:

(Start: 37 @5281 has 234 MA's), (47, 5326), (54, 5365), (76, 5527), (92, 5602), (97, 5629), (98, 5632), (102, 5656), (105, 5671), (107, 5686), (126, 5761), (132, 5782), (146, 5854), (155, 5887), (157, 5896), (169, 5959), (186, 6040), (187, 6043), (193, 6067), (200, 6103), (203, 6118), (213, 6169), (215, 6175), (216, 6178), (222, 6214),

Gene: Brylie_10 Start: 6844, Stop: 7776, Start Num: 37

Candidate Starts for Brylie_10:

(Start: 37 @6844 has 234 MA's), (43, 6859), (53, 6916), (54, 6919), (56, 6931), (76, 7081), (82, 7111), (90, 7147), (93, 7159), (99, 7198), (114, 7279), (150, 7447), (160, 7486), (181, 7579), (214, 7720), (223, 7765),

Gene: Bubbykins_11 Start: 9257, Stop: 10156, Start Num: 33

Candidate Starts for Bubbykins_11:

(33, 9257), (46, 9296), (49, 9317), (69, 9431), (72, 9455), (85, 9557), (94, 9599), (109, 9683), (160, 9902), (212, 10100), (213, 10106), (218, 10136),

Gene: Bumble_8 Start: 7175, Stop: 8062, Start Num: 39

Candidate Starts for Bumble_8:

(Start: 39 @7175 has 12 MA's), (69, 7337), (70, 7340), (76, 7421), (77, 7424), (82, 7451), (97, 7523), (127, 7652), (147, 7742), (178, 7868), (209, 7979), (219, 8033),

Gene: Bunker_6 Start: 5200, Stop: 6117, Start Num: 39

Candidate Starts for Bunker_6:

(22, 5116), (Start: 39 @5200 has 12 MA's), (66, 5335), (82, 5473), (133, 5698), (145, 5764), (146, 5767), (150, 5782), (153, 5794), (154, 5797), (156, 5806), (164, 5836), (167, 5851), (168, 5857), (189, 5944), (203, 6010), (207, 6031), (209, 6040), (213, 6061),

Gene: Bunnies_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for Bunnies_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (98, 5645), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: CactusJack_6 Start: 5281, Stop: 6225, Start Num: 37

Candidate Starts for CactusJack_6:

(Start: 37 @5281 has 234 MA's), (47, 5326), (54, 5365), (76, 5527), (92, 5602), (97, 5629), (102, 5656), (105, 5671), (107, 5686), (126, 5761), (132, 5782), (146, 5854), (155, 5887), (157, 5896), (169, 5959), (186, 6040), (187, 6043), (193, 6067), (200, 6103), (203, 6118), (213, 6169), (215, 6175), (216, 6178), (222, 6214),

Gene: CalWood4100_8 Start: 7095, Stop: 7982, Start Num: 37

Candidate Starts for CalWood4100_8:

(Start: 37 @7095 has 234 MA's), (65, 7227), (69, 7260), (76, 7344), (84, 7380), (90, 7410), (100, 7464), (127, 7575), (154, 7692), (178, 7791), (201, 7863), (202, 7869), (209, 7902),

Gene: Camster_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for Camster_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: CaptainKirk2_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for CaptainKirk2_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (48, 5248), (54, 5284), (59, 5308), (73, 5413), (76, 5446), (93, 5524), (98, 5551), (114, 5644), (115, 5650), (143, 5782), (150, 5812), (156, 5836), (160, 5851), (172, 5899), (174, 5911), (223, 6130),

Gene: CarolAnn_6 Start: 5043, Stop: 5972, Start Num: 37

Candidate Starts for CarolAnn_6:

(Start: 37 @5043 has 234 MA's), (43, 5064), (51, 5106), (62, 5163), (69, 5211), (76, 5286), (82, 5316), (88, 5346), (93, 5364), (98, 5391), (99, 5403), (103, 5424), (112, 5475), (121, 5511), (140, 5604), (143, 5619), (150, 5649), (171, 5733), (182, 5784), (186, 5802), (213, 5919), (216, 5928),

Gene: CheeseSpider_6 Start: 5041, Stop: 5970, Start Num: 37

Candidate Starts for CheeseSpider_6:

(Start: 37 @5041 has 234 MA's), (43, 5062), (51, 5104), (62, 5161), (69, 5209), (76, 5284), (82, 5314), (88, 5344), (90, 5350), (93, 5362), (98, 5389), (99, 5401), (103, 5422), (112, 5473), (121, 5509), (140,

5602), (143, 5617), (150, 5647), (160, 5686), (171, 5731), (174, 5746), (182, 5782), (186, 5800), (213, 5917), (216, 5926),

Gene: Chipper1996_120 Start: 9682, Stop: 10578, Start Num: 34

Candidate Starts for Chipper1996_120:

(Start: 34 @9682 has 19 MA's), (69, 9853), (73, 9907), (77, 9943), (94, 10021), (109, 10105), (134, 10204), (160, 10324), (188, 10441), (192, 10456), (213, 10528),

Gene: Chocolat_12 Start: 9683, Stop: 10579, Start Num: 34

Candidate Starts for Chocolat_12:

(Start: 34 @9683 has 19 MA's), (69, 9854), (75, 9917), (94, 10022), (109, 10106), (134, 10205), (160, 10325), (188, 10442), (192, 10457), (213, 10529),

Gene: Chop_10 Start: 6877, Stop: 7809, Start Num: 37

Candidate Starts for Chop_10:

(Start: 37 @6877 has 234 MA's), (43, 6892), (53, 6949), (54, 6952), (56, 6964), (76, 7114), (90, 7180), (93, 7192), (99, 7231), (114, 7312), (150, 7480), (160, 7519), (171, 7564), (181, 7612), (214, 7753), (223, 7798),

Gene: Chubbello_6 Start: 5293, Stop: 6237, Start Num: 37

Candidate Starts for Chubbello_6:

(Start: 37 @5293 has 234 MA's), (47, 5338), (54, 5377), (76, 5539), (92, 5614), (97, 5641), (102, 5668), (105, 5683), (107, 5698), (126, 5773), (132, 5794), (146, 5866), (155, 5899), (157, 5908), (169, 5971), (186, 6052), (187, 6055), (193, 6079), (200, 6115), (203, 6130), (213, 6181), (215, 6187), (216, 6190), (222, 6226),

Gene: Chubster_12 Start: 9453, Stop: 10349, Start Num: 34

Candidate Starts for Chubster_12:

(Start: 34 @9453 has 19 MA's), (69, 9624), (75, 9687), (94, 9792), (109, 9876), (134, 9975), (160, 10095), (188, 10212), (192, 10227), (213, 10299),

Gene: Circuit_8 Start: 7164, Stop: 8048, Start Num: 38

Candidate Starts for Circuit_8:

(Start: 38 @7164 has 2 MA's), (71, 7338), (76, 7410), (77, 7413), (90, 7476), (97, 7512), (115, 7602), (127, 7641), (143, 7713), (150, 7743), (178, 7857), (209, 7968), (219, 8022),

Gene: Clap_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Clap_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: Clark_7 Start: 5345, Stop: 6268, Start Num: 37

Candidate Starts for Clark_7:

(Start: 37 @5345 has 234 MA's), (54, 5429), (64, 5477), (104, 5732), (107, 5750), (142, 5897), (143, 5900), (145, 5912), (164, 5984), (173, 6017), (189, 6092), (196, 6125), (209, 6191), (212, 6206), (213, 6212), (222, 6257),

Gene: Cole_8 Start: 6211, Stop: 7122, Start Num: 39

Candidate Starts for Cole_8:

(27, 6163), (Start: 39 @6211 has 12 MA's), (142, 6763), (150, 6796), (200, 7000), (213, 7066), (215, 7072),

Gene: Colucci_11 Start: 9183, Stop: 10079, Start Num: 34

Candidate Starts for Colucci_11:

(Start: 34 @9183 has 19 MA's), (Start: 40 @9195 has 8 MA's), (56, 9282), (69, 9354), (77, 9444), (98, 9546), (109, 9606), (116, 9642), (157, 9810), (160, 9825), (188, 9942), (192, 9957), (213, 10029),

Gene: Conboy_12 Start: 9681, Stop: 10577, Start Num: 34

Candidate Starts for Conboy_12:

(Start: 34 @9681 has 19 MA's), (69, 9852), (73, 9906), (77, 9942), (94, 10020), (109, 10104), (134, 10203), (160, 10323), (188, 10440), (192, 10455), (213, 10527),

Gene: Coriander_7 Start: 5582, Stop: 6502, Start Num: 37

Candidate Starts for Coriander_7:

(13, 5435), (Start: 37 @5582 has 234 MA's), (82, 5858), (123, 6047), (128, 6068), (131, 6077), (134, 6089), (143, 6137), (146, 6152), (150, 6167), (167, 6236), (168, 6242), (180, 6293), (183, 6302), (189, 6329), (196, 6362), (203, 6395), (207, 6416), (209, 6425), (222, 6491),

Gene: Crosby_16 Start: 11773, Stop: 12753, Start Num: 37

Candidate Starts for Crosby_16:

(Start: 37 @11773 has 234 MA's), (Start: 41 @11779 has 1 MA's), (44, 11797), (58, 11872), (62, 11890), (63, 11893), (74, 11983), (75, 11989), (81, 12037), (86, 12055), (98, 12118), (99, 12130), (100, 12133), (107, 12172), (145, 12388), (146, 12391), (156, 12430), (186, 12571), (210, 12655), (212, 12664), (219, 12703),

Gene: Cynthia_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Cynthia_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: Daegal_10 Start: 6877, Stop: 7833, Start Num: 37

Candidate Starts for Daegal_10:

(Start: 37 @6877 has 234 MA's), (50, 6937), (58, 6979), (59, 6982), (76, 7120), (86, 7162), (90, 7186), (93, 7198), (99, 7237), (100, 7240), (101, 7246), (110, 7294), (112, 7309), (124, 7354), (144, 7471), (147, 7486), (150, 7498), (155, 7516), (162, 7546), (171, 7588), (172, 7591), (174, 7603), (184, 7645), (194, 7687), (223, 7822),

Gene: DeepSoil15_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for DeepSoil15_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: DelRio_10 Start: 7141, Stop: 8073, Start Num: 37

Candidate Starts for DelRio_10:

(Start: 37 @7141 has 234 MA's), (43, 7156), (53, 7213), (54, 7216), (56, 7228), (68, 7300), (76, 7378), (90, 7444), (93, 7456), (99, 7495), (114, 7576), (150, 7744), (160, 7783), (172, 7831), (181, 7876), (214, 8017), (223, 8062),

Gene: Delian_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for Delian_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (48, 5248), (54, 5284), (59, 5308), (73, 5413), (76, 5446), (93, 5524), (98, 5551), (114, 5644), (115, 5650), (143, 5782), (150, 5812), (156, 5836), (160, 5851), (172, 5899), (174, 5911), (223, 6130),

Gene: Denise_6 Start: 4863, Stop: 5786, Start Num: 37

Candidate Starts for Denise_6:

(Start: 37 @4863 has 234 MA's), (54, 4947), (64, 4995), (82, 5139), (102, 5238), (104, 5250), (143, 5418), (164, 5502), (168, 5523), (173, 5535), (180, 5574), (189, 5610), (196, 5643), (213, 5730),

Gene: Dewey_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for Dewey_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: Dina_6 Start: 5118, Stop: 6050, Start Num: 40

Candidate Starts for Dina_6:

(30, 5085), (Start: 40 @5118 has 8 MA's), (76, 5355), (81, 5379), (87, 5409), (90, 5421), (97, 5457), (98, 5460), (103, 5493), (138, 5664), (143, 5691), (154, 5736), (166, 5790), (177, 5838), (195, 5910), (204, 5946), (205, 5958), (206, 5961), (211, 5982), (217, 6021), (222, 6039),

Gene: Dirtdigger_9 Start: 6469, Stop: 7398, Start Num: 36

Candidate Starts for Dirtdigger_9:

(Start: 36 @6469 has 12 MA's), (75, 6691), (90, 6781), (98, 6820), (102, 6844), (150, 7066), (184, 7198), (189, 7222), (199, 7270), (212, 7336),

Gene: DirtyBoi_7 Start: 5561, Stop: 6481, Start Num: 37

Candidate Starts for DirtyBoi_7:

(Start: 37 @5561 has 234 MA's), (54, 5645), (69, 5732), (95, 5903), (107, 5966), (143, 6116), (150, 6146), (171, 6224), (183, 6281), (189, 6308), (198, 6350), (212, 6419), (213, 6425),

Gene: Divya_8 Start: 6709, Stop: 7593, Start Num: 37

Candidate Starts for Divya_8:

(Start: 37 @6709 has 234 MA's), (73, 6925), (100, 7078), (116, 7153), (119, 7162), (176, 7393), (186, 7441), (190, 7456), (207, 7507), (208, 7513), (213, 7537),

Gene: Dmitri_7 Start: 5561, Stop: 6481, Start Num: 37

Candidate Starts for Dmitri_7:

(Start: 37 @5561 has 234 MA's), (54, 5645), (69, 5732), (95, 5903), (107, 5966), (131, 6056), (143, 6116), (150, 6146), (171, 6224), (182, 6278), (183, 6281), (189, 6308), (198, 6350), (212, 6419), (213, 6425),

Gene: DobbysSock_6 Start: 4843, Stop: 5766, Start Num: 37

Candidate Starts for DobbysSock_6:

(Start: 37 @4843 has 234 MA's), (54, 4927), (64, 4975), (104, 5230), (107, 5248), (142, 5395), (143, 5398), (145, 5410), (164, 5482), (173, 5515), (189, 5590), (196, 5623), (209, 5689), (213, 5710), (222, 5755),

Gene: Doggs_6 Start: 5279, Stop: 6199, Start Num: 37

Candidate Starts for Doggs_6:

(13, 5132), (Start: 37 @5279 has 234 MA's), (82, 5555), (123, 5744), (128, 5765), (131, 5774), (134, 5786), (143, 5834), (146, 5849), (150, 5864), (167, 5933), (168, 5939), (180, 5990), (183, 5999), (189, 6026), (196, 6059), (203, 6092), (207, 6113), (209, 6122), (222, 6188),

Gene: Dolores_7 Start: 5345, Stop: 6268, Start Num: 37

Candidate Starts for Dolores_7:

(Start: 37 @5345 has 234 MA's), (54, 5429), (64, 5477), (104, 5732), (107, 5750), (142, 5897), (143, 5900), (145, 5912), (164, 5984), (173, 6017), (189, 6092), (196, 6125), (209, 6191), (213, 6212), (222, 6257),

Gene: Donatella_9 Start: 6733, Stop: 7662, Start Num: 36

Candidate Starts for Donatella_9:

(Start: 36 @6733 has 12 MA's), (75, 6955), (98, 7084), (102, 7108), (156, 7354), (184, 7462), (189, 7486), (212, 7600),

Gene: Donovan_6 Start: 5299, Stop: 6243, Start Num: 37

Candidate Starts for Donovan_6:

(Start: 37 @5299 has 234 MA's), (46, 5332), (54, 5383), (76, 5545), (92, 5620), (97, 5647), (102, 5674), (105, 5689), (107, 5704), (132, 5800), (142, 5854), (146, 5872), (155, 5905), (169, 5977), (186, 6058), (193, 6085), (200, 6121), (203, 6136), (213, 6187), (215, 6193), (222, 6232),

Gene: Dorito_6 Start: 4843, Stop: 5766, Start Num: 37

Candidate Starts for Dorito_6:

(Start: 37 @4843 has 234 MA's), (54, 4927), (64, 4975), (104, 5230), (107, 5248), (142, 5395), (143, 5398), (145, 5410), (164, 5482), (173, 5515), (189, 5590), (196, 5623), (209, 5689), (212, 5704), (213, 5710), (222, 5755),

Gene: DrYang_12 Start: 9617, Stop: 10513, Start Num: 34

Candidate Starts for DrYang_12:

(Start: 34 @9617 has 19 MA's), (69, 9788), (73, 9842), (75, 9851), (77, 9878), (94, 9956), (109, 10040), (116, 10076), (132, 10130), (135, 10145), (157, 10244), (161, 10262), (213, 10463),

Gene: DumpsterDude_6 Start: 5417, Stop: 6349, Start Num: 37

Candidate Starts for DumpsterDude_6:

(23, 5339), (Start: 37 @5417 has 234 MA's), (43, 5432), (56, 5504), (76, 5654), (90, 5720), (93, 5732), (94, 5735), (99, 5771), (114, 5852), (130, 5924), (150, 6020), (172, 6107), (214, 6293),

Gene: Dynamo_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for Dynamo_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: Easley_7 Start: 5345, Stop: 6268, Start Num: 37

Candidate Starts for Easley_7:

(Start: 37 @5345 has 234 MA's), (54, 5429), (64, 5477), (104, 5732), (107, 5750), (142, 5897), (145, 5912), (164, 5984), (173, 6017), (189, 6092), (196, 6125), (209, 6191), (213, 6212), (222, 6257),

Gene: EastWest_10 Start: 7632, Stop: 8534, Start Num: 34

Candidate Starts for EastWest_10:

(Start: 34 @7632 has 19 MA's), (53, 7722), (101, 8016), (114, 8076), (131, 8136), (142, 8193), (152, 8232), (176, 8328), (186, 8376), (213, 8472),

Gene: Ebert_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Ebert_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: EdgarPoe_12 Start: 9681, Stop: 10577, Start Num: 34

Candidate Starts for EdgarPoe_12:

(Start: 34 @9681 has 19 MA's), (69, 9852), (73, 9906), (77, 9942), (94, 10020), (109, 10104), (134, 10203), (160, 10323), (188, 10440), (192, 10455), (213, 10527),

Gene: EdnaMode_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for EdnaMode_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634),

Gene: Ein37_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for Ein37_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: Elesar_9 Start: 6600, Stop: 7511, Start Num: 39

Candidate Starts for Elesar_9:

(19, 6474), (27, 6552), (Start: 39 @6600 has 12 MA's), (91, 6918), (142, 7152), (150, 7185), (200, 7389), (213, 7455), (215, 7461),

Gene: Etoile_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for Etoile_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: Evanesce_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for Evanesce_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: Eyes_6 Start: 5207, Stop: 6124, Start Num: 39

Candidate Starts for Eyes_6:

(7, 4949), (Start: 39 @5207 has 12 MA's), (66, 5342), (69, 5375), (82, 5480), (133, 5705), (146, 5774), (150, 5789), (153, 5801), (154, 5804), (164, 5843), (167, 5858), (168, 5864), (189, 5951), (196, 5984), (203, 6017), (207, 6038), (209, 6047), (213, 6068),

Gene: Fairfaxidum_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for Fairfaxidum_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (54, 5284), (56, 5296), (73, 5413), (87, 5500), (93, 5524), (112, 5635), (115, 5650), (143, 5782), (150, 5812), (172, 5899), (174, 5911), (223, 6130),

Gene: Fenry_6 Start: 5212, Stop: 6141, Start Num: 37

Candidate Starts for Fenry_6:

(Start: 37 @5212 has 234 MA's), (43, 5227), (48, 5251), (54, 5287), (59, 5311), (73, 5416), (76, 5449), (93, 5527), (98, 5554), (114, 5647), (115, 5653), (143, 5785), (150, 5815), (156, 5839), (160, 5854), (172, 5902), (174, 5914), (223, 6133),

Gene: Finkle_6 Start: 4987, Stop: 5913, Start Num: 37

Candidate Starts for Finkle_6:

(Start: 37 @4987 has 234 MA's), (66, 5125), (86, 5275), (101, 5359), (103, 5371), (132, 5485), (141, 5536), (148, 5566), (189, 5737), (203, 5806), (222, 5902),

Gene: FirstPlacePfu_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for FirstPlacePfu_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: Fishburne_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for Fishburne_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: Forge_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for Forge_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: Francois_10 Start: 6846, Stop: 7778, Start Num: 37

Candidate Starts for Francois_10:

(Start: 37 @6846 has 234 MA's), (43, 6861), (53, 6918), (54, 6921), (56, 6933), (75, 7059), (76, 7083), (82, 7113), (90, 7149), (93, 7161), (99, 7200), (114, 7281), (150, 7449), (160, 7488), (172, 7536), (181, 7581), (214, 7722), (223, 7767),

Gene: Franzy_8 Start: 7215, Stop: 8108, Start Num: 35

Candidate Starts for Franzy_8:

(Start: 35 @7215 has 8 MA's), (69, 7386), (76, 7470), (77, 7473), (82, 7500), (101, 7596), (116, 7665), (136, 7734), (142, 7770), (176, 7905), (186, 7953), (201, 7989), (209, 8028),

Gene: FroggyToad_6 Start: 4855, Stop: 5778, Start Num: 37

Candidate Starts for FroggyToad_6:

(Start: 37 @4855 has 234 MA's), (54, 4939), (64, 4987), (82, 5131), (102, 5230), (104, 5242), (143, 5410), (164, 5494), (168, 5515), (173, 5527), (189, 5602), (196, 5635), (213, 5722),

Gene: Frokostdame_6 Start: 5112, Stop: 6041, Start Num: 37

Candidate Starts for Frokostdame_6:

(Start: 37 @5112 has 234 MA's), (43, 5133), (51, 5175), (62, 5232), (69, 5280), (76, 5355), (80, 5376), (82, 5385), (88, 5415), (93, 5433), (98, 5460), (99, 5472), (103, 5493), (112, 5544), (121, 5580), (140, 5673), (143, 5688), (150, 5718), (171, 5802), (174, 5817), (182, 5853), (186, 5871), (213, 5988), (216, 5997),

Gene: GEazy_6 Start: 5209, Stop: 6126, Start Num: 39

Candidate Starts for GEazy_6:

(4, 4852), (11, 5053), (22, 5125), (24, 5128), (Start: 39 @5209 has 12 MA's), (66, 5344), (69, 5377), (82, 5482), (133, 5707), (145, 5773), (146, 5776), (150, 5791), (153, 5803), (154, 5806), (156, 5815),

(164, 5845), (167, 5860), (168, 5866), (189, 5953), (203, 6019), (207, 6040), (209, 6049), (213, 6070),

Gene: Gallop_7 Start: 4894, Stop: 5817, Start Num: 41

Candidate Starts for Gallop_7:

(31, 4861), (Start: 41 @4894 has 1 MA's), (50, 4945), (68, 5047), (76, 5125), (78, 5134), (93, 5203), (95, 5221), (99, 5242), (101, 5251), (103, 5263), (104, 5266), (112, 5314), (114, 5323), (117, 5335), (125, 5374), (129, 5392), (138, 5434), (144, 5461), (154, 5503), (171, 5572), (216, 5770), (220, 5797), (221, 5800), (222, 5806),

Gene: GaloreK_6 Start: 5300, Stop: 6244, Start Num: 37

Candidate Starts for GaloreK_6:

(Start: 37 @5300 has 234 MA's), (46, 5333), (54, 5384), (76, 5546), (92, 5621), (97, 5648), (98, 5651), (102, 5675), (105, 5690), (107, 5705), (132, 5801), (142, 5855), (146, 5873), (155, 5906), (169, 5978), (186, 6059), (193, 6086), (200, 6122), (203, 6137), (213, 6188), (215, 6194), (222, 6233),

Gene: Gambino_6 Start: 5041, Stop: 5970, Start Num: 37

Candidate Starts for Gambino_6:

(Start: 37 @5041 has 234 MA's), (43, 5062), (51, 5104), (62, 5161), (69, 5209), (76, 5284), (82, 5314), (88, 5344), (93, 5362), (98, 5389), (99, 5401), (103, 5422), (112, 5473), (121, 5509), (140, 5602), (143, 5617), (150, 5647), (174, 5746), (182, 5782), (186, 5800), (213, 5917), (216, 5926),

Gene: Gancho_8 Start: 6286, Stop: 7242, Start Num: 37

Candidate Starts for Gancho_8:

(Start: 37 @6286 has 234 MA's), (50, 6346), (58, 6388), (59, 6391), (76, 6529), (86, 6571), (90, 6595), (93, 6607), (99, 6646), (100, 6649), (101, 6655), (110, 6703), (112, 6718), (124, 6763), (144, 6880), (147, 6895), (150, 6907), (155, 6925), (171, 6997), (172, 7000), (174, 7012), (184, 7054), (194, 7096), (223, 7231),

Gene: Gavriela_6 Start: 5281, Stop: 6225, Start Num: 37

Candidate Starts for Gavriela_6:

(Start: 37 @5281 has 234 MA's), (47, 5326), (54, 5365), (76, 5527), (92, 5602), (97, 5629), (102, 5656), (105, 5671), (107, 5686), (126, 5761), (132, 5782), (146, 5854), (155, 5887), (157, 5896), (169, 5959), (186, 6040), (187, 6043), (193, 6067), (200, 6103), (203, 6118), (213, 6169), (215, 6175), (216, 6178), (222, 6214),

Gene: GemG_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for GemG_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: Giles_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for Giles_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: Gizermo_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Gizermo_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: Glaske_6 Start: 5281, Stop: 6225, Start Num: 37

Candidate Starts for Glaske_6:

(Start: 37 @5281 has 234 MA's), (47, 5326), (54, 5365), (76, 5527), (92, 5602), (97, 5629), (102, 5656), (105, 5671), (107, 5686), (126, 5761), (132, 5782), (146, 5854), (155, 5887), (157, 5896), (169, 5959), (186, 6040), (187, 6043), (193, 6067), (200, 6103), (203, 6118), (213, 6169), (215, 6175), (216, 6178), (222, 6214),

Gene: GoldDust_10 Start: 9295, Stop: 10176, Start Num: 37

Candidate Starts for GoldDust_10:

(Start: 37 @9295 has 234 MA's), (73, 9508), (76, 9541), (90, 9607), (97, 9643), (116, 9736), (176, 9976), (188, 10033), (202, 10066), (213, 10120),

Gene: Gooberta_10 Start: 9295, Stop: 10176, Start Num: 37

Candidate Starts for Gooberta_10:

(Start: 37 @9295 has 234 MA's), (73, 9508), (76, 9541), (90, 9607), (97, 9643), (116, 9736), (176, 9976), (188, 10033), (202, 10066), (213, 10120),

Gene: GoodLuckBabe_10 Start: 6561, Stop: 7490, Start Num: 36

Candidate Starts for GoodLuckBabe_10:

(Start: 36 @6561 has 12 MA's), (75, 6783), (98, 6912), (102, 6936), (156, 7182), (165, 7212), (184, 7290), (189, 7314), (212, 7428),

Gene: GrandSlam_10 Start: 6877, Stop: 7809, Start Num: 37

Candidate Starts for GrandSlam_10:

(Start: 37 @6877 has 234 MA's), (43, 6892), (53, 6949), (54, 6952), (56, 6964), (76, 7114), (90, 7180), (93, 7192), (99, 7231), (114, 7312), (150, 7480), (160, 7519), (171, 7564), (181, 7612), (214, 7753), (223, 7798),

Gene: Gravaillia_9 Start: 6319, Stop: 7275, Start Num: 37

Candidate Starts for Gravaillia_9:

(Start: 37 @6319 has 234 MA's), (50, 6379), (58, 6421), (59, 6424), (76, 6562), (86, 6604), (90, 6628), (93, 6640), (99, 6679), (100, 6682), (101, 6688), (110, 6736), (112, 6751), (124, 6796), (144, 6913), (147, 6928), (150, 6940), (155, 6958), (171, 7030), (172, 7033), (174, 7045), (184, 7087), (194, 7129), (223, 7264),

Gene: GravityBall_9 Start: 7550, Stop: 8437, Start Num: 37

Candidate Starts for GravityBall_9:

(Start: 37 @7550 has 234 MA's), (69, 7718), (82, 7832), (90, 7868), (101, 7928), (116, 7997), (142, 8102), (151, 8138), (172, 8219), (176, 8237), (186, 8285), (209, 8360), (213, 8381),

Gene: GreaseLightnin_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for GreaseLightnin_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: Grekaycon_9 Start: 7577, Stop: 8464, Start Num: 37

Candidate Starts for Grekaycon_9:

(Start: 37 @7577 has 234 MA's), (82, 7859), (90, 7895), (97, 7931), (116, 8024), (122, 8039), (136, 8093), (139, 8108), (150, 8162), (176, 8264), (186, 8312), (213, 8408),

Gene: Guacamole_6 Start: 5213, Stop: 6142, Start Num: 37

Candidate Starts for Guacamole_6:

(Start: 37 @5213 has 234 MA's), (43, 5228), (48, 5252), (54, 5288), (59, 5312), (73, 5417), (76, 5450), (93, 5528), (98, 5555), (114, 5648), (115, 5654), (143, 5786), (150, 5816), (156, 5840), (160, 5855), (172, 5903), (174, 5915), (223, 6134),

Gene: Guinevere_10 Start: 6592, Stop: 7521, Start Num: 36

Candidate Starts for Guinevere_10:

(Start: 36 @6592 has 12 MA's), (48, 6640), (75, 6814), (98, 6943), (102, 6967), (156, 7213), (184, 7321), (189, 7345), (199, 7393), (212, 7459),

Gene: Gusanita_8 Start: 6480, Stop: 7409, Start Num: 36

Candidate Starts for Gusanita_8:

(Start: 36 @6480 has 12 MA's), (75, 6702), (90, 6792), (98, 6831), (102, 6855), (150, 7077), (184, 7209), (189, 7233), (212, 7347),

Gene: HH92_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for HH92_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: HUHilltop_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for HUHilltop_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: Hadrien_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for Hadrien_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: Hail_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for Hail_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: Haley23_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Haley23_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: Halloweekend_8 Start: 6230, Stop: 7159, Start Num: 36

Candidate Starts for Halloweekend_8:

(Start: 36 @6230 has 12 MA's), (75, 6452), (98, 6581), (102, 6605), (156, 6851), (184, 6959), (189, 6983), (199, 7031), (212, 7097),

Gene: Hamood_10 Start: 6877, Stop: 7809, Start Num: 37

Candidate Starts for Hamood_10:

(Start: 37 @6877 has 234 MA's), (43, 6892), (53, 6949), (54, 6952), (56, 6964), (76, 7114), (90, 7180), (93, 7192), (99, 7231), (114, 7312), (150, 7480), (160, 7519), (171, 7564), (181, 7612), (214, 7753), (223, 7798),

Gene: HannahD_6 Start: 5209, Stop: 6126, Start Num: 39

Candidate Starts for HannahD_6:

(4, 4852), (11, 5053), (22, 5125), (24, 5128), (Start: 39 @5209 has 12 MA's), (66, 5344), (69, 5377), (82, 5482), (133, 5707), (145, 5773), (146, 5776), (150, 5791), (153, 5803), (154, 5806), (156, 5815), (164, 5845), (167, 5860), (168, 5866), (189, 5953), (203, 6019), (207, 6040), (209, 6049), (213, 6070),

Gene: Hedwig_7 Start: 5561, Stop: 6481, Start Num: 37

Candidate Starts for Hedwig_7:

(Start: 37 @5561 has 234 MA's), (54, 5645), (95, 5903), (107, 5966), (143, 6116), (150, 6146), (171, 6224), (183, 6281), (189, 6308), (198, 6350), (212, 6419), (213, 6425),

Gene: Henococcus_16 Start: 11667, Stop: 12635, Start Num: 37

Candidate Starts for Henococcus_16:

(Start: 37 @11667 has 234 MA's), (Start: 41 @11673 has 1 MA's), (44, 11691), (58, 11766), (62, 11784), (63, 11787), (74, 11877), (75, 11883), (81, 11931), (86, 11949), (98, 12012), (99, 12024), (100, 12027), (107, 12066), (146, 12276), (149, 12288), (156, 12315), (160, 12333), (168, 12381), (175, 12405), (210, 12540), (212, 12549),

Gene: Hirko_9 Start: 8724, Stop: 9608, Start Num: 37

Candidate Starts for Hirko_9:

(Start: 37 @8724 has 234 MA's), (50, 8787), (73, 8940), (76, 8973), (114, 9159), (146, 9291), (188, 9465), (203, 9501),

Gene: Hitter_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for Hitter_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (48, 5248), (54, 5284), (59, 5308), (76, 5446), (93, 5524), (98, 5551), (114, 5644), (115, 5650), (143, 5782), (150, 5812), (156, 5836), (160, 5851), (172, 5899), (174, 5911), (223, 6130),

Gene: Hortense_6 Start: 4904, Stop: 5836, Start Num: 37

Candidate Starts for Hortense_6:

(Start: 37 @4904 has 234 MA's), (43, 4928), (50, 4967), (51, 4970), (59, 5012), (69, 5075), (88, 5210), (93, 5228), (98, 5255), (112, 5339), (114, 5348), (127, 5411), (140, 5468), (144, 5486), (150, 5513), (156, 5537), (160, 5552), (166, 5582), (174, 5612), (183, 5651), (213, 5783), (216, 5792),

Gene: Howe_6 Start: 4904, Stop: 5836, Start Num: 37

Candidate Starts for Howe_6:

(Start: 37 @4904 has 234 MA's), (43, 4928), (50, 4967), (51, 4970), (59, 5012), (69, 5075), (88, 5210), (93, 5228), (98, 5255), (112, 5339), (114, 5348), (127, 5411), (140, 5468), (144, 5486), (150, 5513), (156, 5537), (160, 5552), (166, 5582), (174, 5612), (183, 5651), (213, 5783), (216, 5792),

Gene: HumptyDumpty_12 Start: 9680, Stop: 10576, Start Num: 34

Candidate Starts for HumptyDumpty_12:

(Start: 34 @9680 has 19 MA's), (69, 9851), (73, 9905), (94, 10019), (109, 10103), (134, 10202), (160, 10322), (188, 10439), (192, 10454), (213, 10526),

Gene: Ichiang_8 Start: 6248, Stop: 7177, Start Num: 36

Candidate Starts for Ichiang_8:

(Start: 36 @6248 has 12 MA's), (75, 6470), (98, 6599), (102, 6623), (156, 6869), (184, 6977), (189, 7001), (212, 7115),

Gene: Intolerant_15 Start: 11652, Stop: 12632, Start Num: 37

Candidate Starts for Intolerant_15:

(Start: 37 @11652 has 234 MA's), (Start: 41 @11658 has 1 MA's), (44, 11676), (58, 11751), (62, 11769), (63, 11772), (74, 11862), (75, 11868), (81, 11916), (86, 11934), (98, 11997), (99, 12009), (100, 12012), (107, 12051), (145, 12267), (146, 12270), (156, 12309), (210, 12534), (212, 12543), (219, 12582),

Gene: Invectra_7 Start: 5345, Stop: 6268, Start Num: 37

Candidate Starts for Invectra_7:

(Start: 37 @5345 has 234 MA's), (54, 5429), (64, 5477), (104, 5732), (107, 5750), (142, 5897), (143, 5900), (145, 5912), (164, 5984), (173, 6017), (189, 6092), (196, 6125), (209, 6191), (213, 6212), (222, 6257),

Gene: IsHungry_10 Start: 6554, Stop: 7483, Start Num: 36

Candidate Starts for IsHungry_10:

(Start: 36 @6554 has 12 MA's), (75, 6776), (90, 6866), (98, 6905), (102, 6929), (150, 7151), (184, 7283), (189, 7307), (212, 7421),

Gene: JCole_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for JCole_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: JKerns_9 Start: 7607, Stop: 8494, Start Num: 37

Candidate Starts for JKerns_9:

(Start: 37 @7607 has 234 MA's), (82, 7889), (90, 7925), (97, 7961), (101, 7985), (116, 8054), (122, 8069), (136, 8123), (139, 8138), (150, 8192), (176, 8294), (186, 8342), (213, 8438),

Gene: JaNo_12 Start: 9680, Stop: 10576, Start Num: 34

Candidate Starts for JaNo_12:

(Start: 34 @9680 has 19 MA's), (69, 9851), (73, 9905), (94, 10019), (109, 10103), (134, 10202), (160, 10322), (188, 10439), (192, 10454), (213, 10526),

Gene: JackieB_15 Start: 11522, Stop: 12490, Start Num: 37

Candidate Starts for JackieB_15:

(Start: 37 @11522 has 234 MA's), (Start: 41 @11528 has 1 MA's), (44, 11546), (58, 11621), (62, 11639), (63, 11642), (74, 11732), (75, 11738), (81, 11786), (86, 11804), (98, 11867), (99, 11879), (100, 11882), (107, 11921), (146, 12131), (149, 12143), (156, 12170), (160, 12188), (168, 12236), (175, 12260), (210, 12395), (212, 12404),

Gene: Jalammah_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for Jalammah_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (48, 5248), (54, 5284), (59, 5308), (76, 5446), (93, 5524), (98, 5551), (114, 5644), (115, 5650), (143, 5782), (150, 5812), (156, 5836), (160, 5851), (172, 5899), (174, 5911), (223, 6130),

Gene: Jalleen_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Jalleen_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: JasperJr_6 Start: 5213, Stop: 6142, Start Num: 37

Candidate Starts for JasperJr_6:

(Start: 37 @5213 has 234 MA's), (43, 5228), (48, 5252), (54, 5288), (59, 5312), (73, 5417), (76, 5450), (93, 5528), (98, 5555), (114, 5648), (115, 5654), (143, 5786), (150, 5816), (156, 5840), (160, 5855), (172, 5903), (174, 5915), (223, 6134),

Gene: Jawnski_8 Start: 7212, Stop: 8105, Start Num: 35

Candidate Starts for Jawnski_8:

(Start: 35 @7212 has 8 MA's), (76, 7467), (82, 7497), (97, 7569), (136, 7731), (142, 7767), (176, 7902), (186, 7950), (203, 7995), (209, 8025), (213, 8046),

Gene: JayCookie_12 Start: 9683, Stop: 10579, Start Num: 34

Candidate Starts for JayCookie_12:

(Start: 34 @9683 has 19 MA's), (69, 9854), (75, 9917), (94, 10022), (109, 10106), (134, 10205), (160, 10325), (173, 10373), (188, 10442), (192, 10457), (213, 10529),

Gene: Jebeks_6 Start: 5299, Stop: 6243, Start Num: 37

Candidate Starts for Jebeks_6:

(Start: 37 @5299 has 234 MA's), (46, 5332), (54, 5383), (76, 5545), (92, 5620), (97, 5647), (98, 5650), (102, 5674), (105, 5689), (107, 5704), (132, 5800), (142, 5854), (146, 5872), (155, 5905), (169, 5977), (186, 6058), (193, 6085), (200, 6121), (203, 6136), (213, 6187), (215, 6193), (222, 6232),

Gene: Jinkies_10 Start: 8046, Stop: 8930, Start Num: 37

Candidate Starts for Jinkies_10:

(Start: 37 @8046 has 234 MA's), (65, 8178), (73, 8262), (76, 8295), (97, 8397), (176, 8730), (201, 8814), (213, 8874),

Gene: Jordan_9 Start: 7577, Stop: 8464, Start Num: 37

Candidate Starts for Jordan_9:

(Start: 37 @7577 has 234 MA's), (82, 7859), (97, 7931), (101, 7955), (116, 8024), (122, 8039), (136, 8093), (139, 8108), (150, 8162), (176, 8264), (186, 8312), (213, 8408),

Gene: JuJu_6 Start: 5054, Stop: 5983, Start Num: 37

Candidate Starts for JuJu_6:

(Start: 37 @5054 has 234 MA's), (43, 5075), (51, 5117), (62, 5174), (69, 5222), (76, 5297), (82, 5327), (88, 5357), (93, 5375), (98, 5402), (99, 5414), (103, 5435), (112, 5486), (140, 5615), (143, 5630), (150, 5660), (171, 5744), (174, 5759), (182, 5795), (186, 5813), (213, 5930), (216, 5939),

Gene: Julie_10 Start: 6785, Stop: 7696, Start Num: 39

Candidate Starts for Julie_10:

(Start: 39 @6785 has 12 MA's), (91, 7103), (142, 7337), (200, 7574), (213, 7640), (215, 7646),

Gene: Jung_6 Start: 5281, Stop: 6225, Start Num: 37

Candidate Starts for Jung_6:

(Start: 37 @5281 has 234 MA's), (47, 5326), (54, 5365), (76, 5527), (92, 5602), (97, 5629), (98, 5632), (102, 5656), (105, 5671), (107, 5686), (126, 5761), (132, 5782), (146, 5854), (155, 5887), (157, 5896), (169, 5959), (186, 6040), (187, 6043), (193, 6067), (200, 6103), (203, 6118), (215, 6175), (216, 6178), (222, 6214),

Gene: Juniormint_6 Start: 5302, Stop: 6246, Start Num: 37

Candidate Starts for Juniormint_6:

(Start: 37 @5302 has 234 MA's), (46, 5335), (54, 5386), (76, 5548), (92, 5623), (97, 5650), (102, 5677), (105, 5692), (107, 5707), (132, 5803), (142, 5857), (146, 5875), (155, 5908), (169, 5980), (186, 6061), (193, 6088), (200, 6124), (203, 6139), (213, 6190), (215, 6196), (222, 6235),

Gene: JustASigh_6 Start: 5596, Stop: 6537, Start Num: 37

Candidate Starts for JustASigh_6:

(Start: 37 @5596 has 234 MA's), (43, 5614), (52, 5668), (53, 5671), (56, 5686), (59, 5698), (76, 5836), (79, 5851), (80, 5857), (82, 5866), (88, 5896), (93, 5914), (99, 5953), (112, 6025), (114, 6034), (137, 6133), (164, 6265), (172, 6295), (210, 6463), (214, 6481), (223, 6526),

Gene: KBurrousTX_12 Start: 9457, Stop: 10353, Start Num: 35

Candidate Starts for KBurrousTX_12:

(Start: 35 @9457 has 8 MA's), (69, 9628), (75, 9691), (84, 9751), (98, 9820), (109, 9880), (132, 9970), (134, 9979), (157, 10084), (188, 10216), (213, 10303),

Gene: Kabreeze_12 Start: 9680, Stop: 10576, Start Num: 34

Candidate Starts for Kabreeze_12:

(Start: 34 @9680 has 19 MA's), (69, 9851), (73, 9905), (94, 10019), (109, 10103), (134, 10202), (160, 10322), (188, 10439), (192, 10454), (213, 10526),

Gene: KappaFarmDelta_6 Start: 5194, Stop: 6126, Start Num: 37

Candidate Starts for KappaFarmDelta_6:

(Start: 37 @5194 has 234 MA's), (43, 5209), (48, 5233), (54, 5269), (59, 5293), (73, 5398), (93, 5509), (98, 5536), (114, 5629), (142, 5764), (150, 5797), (156, 5821), (172, 5884), (174, 5896), (223, 6115),

Gene: Kari_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for Kari_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: Kihatsu_11 Start: 6914, Stop: 7843, Start Num: 36

Candidate Starts for Kihatsu_11:

(Start: 36 @6914 has 12 MA's), (104, 7301), (106, 7310), (109, 7325), (113, 7346), (133, 7427), (136, 7442), (166, 7574), (189, 7667), (212, 7781),

Gene: Kiko_7 Start: 5416, Stop: 6342, Start Num: 37

Candidate Starts for Kiko_7:

(Start: 37 @5416 has 234 MA's), (54, 5500), (64, 5548), (95, 5758), (96, 5761), (103, 5800), (107, 5821), (113, 5848), (127, 5905), (132, 5920), (149, 6004), (150, 6007), (189, 6169),

Gene: KilKor_6 Start: 5281, Stop: 6225, Start Num: 37

Candidate Starts for KilKor_6:

(Start: 37 @5281 has 234 MA's), (47, 5326), (54, 5365), (76, 5527), (92, 5602), (97, 5629), (102, 5656), (105, 5671), (107, 5686), (126, 5761), (132, 5782), (146, 5854), (155, 5887), (157, 5896), (169, 5959), (186, 6040), (187, 6043), (193, 6067), (200, 6103), (203, 6118), (213, 6169), (215, 6175), (216, 6178), (222, 6214),

Gene: Kinbote_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for Kinbote_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180),

(147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: King2_8 Start: 7217, Stop: 8110, Start Num: 35

Candidate Starts for King2_8:

(Start: 35 @7217 has 8 MA's), (69, 7388), (76, 7472), (77, 7475), (82, 7502), (101, 7598), (116, 7667), (142, 7772), (176, 7907), (186, 7955), (201, 7991), (209, 8030),

Gene: Klevey_8 Start: 7102, Stop: 7989, Start Num: 37

Candidate Starts for Klevey_8:

(Start: 37 @7102 has 234 MA's), (65, 7234), (69, 7267), (76, 7351), (84, 7387), (90, 7417), (100, 7471), (122, 7561), (127, 7582), (142, 7651), (154, 7699), (201, 7870), (209, 7909),

Gene: Ksquared_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for Ksquared_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (98, 5645), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: Lamberg_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Lamberg_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634),

Gene: Langerak_6 Start: 5299, Stop: 6243, Start Num: 37

Candidate Starts for Langerak_6:

(Start: 37 @5299 has 234 MA's), (46, 5332), (54, 5383), (76, 5545), (92, 5620), (97, 5647), (102, 5674), (105, 5689), (107, 5704), (132, 5800), (142, 5854), (146, 5872), (155, 5905), (169, 5977), (186, 6058), (193, 6085), (200, 6121), (203, 6136), (213, 6187), (215, 6193), (222, 6232),

Gene: LazerLemon_15 Start: 11860, Stop: 12828, Start Num: 37

Candidate Starts for LazerLemon_15:

(Start: 37 @11860 has 234 MA's), (Start: 41 @11866 has 1 MA's), (44, 11884), (58, 11959), (62, 11977), (63, 11980), (74, 12070), (75, 12076), (81, 12124), (86, 12142), (98, 12205), (99, 12217), (100, 12220), (107, 12259), (146, 12469), (149, 12481), (156, 12508), (163, 12547), (168, 12574), (175, 12598), (210, 12733), (212, 12742),

Gene: Lederberg_6 Start: 5118, Stop: 6050, Start Num: 40

Candidate Starts for Lederberg_6:

(30, 5085), (Start: 40 @5118 has 8 MA's), (76, 5355), (81, 5379), (87, 5409), (90, 5421), (97, 5457), (98, 5460), (103, 5493), (138, 5664), (143, 5691), (154, 5736), (166, 5790), (177, 5838), (195, 5910), (204, 5946), (205, 5958), (206, 5961), (211, 5982), (217, 6021), (222, 6039),

Gene: LeeroyJ_9 Start: 7549, Stop: 8436, Start Num: 37

Candidate Starts for LeeroyJ_9:

(Start: 37 @7549 has 234 MA's), (69, 7717), (82, 7831), (90, 7867), (101, 7927), (116, 7996), (142, 8101), (151, 8137), (172, 8218), (176, 8236), (186, 8284), (209, 8359), (213, 8380),

Gene: Lenoxika_10 Start: 6591, Stop: 7520, Start Num: 36

Candidate Starts for Lenoxika_10:

(Start: 36 @6591 has 12 MA's), (48, 6639), (75, 6813), (98, 6942), (102, 6966), (156, 7212), (184, 7320), (189, 7344), (199, 7392), (212, 7458),

Gene: LilHazelnut_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for LilHazelnut_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: Lilmac1015_8 Start: 7095, Stop: 7982, Start Num: 37

Candidate Starts for Lilmac1015_8:

(Start: 37 @7095 has 234 MA's), (65, 7227), (69, 7260), (76, 7344), (84, 7380), (90, 7410), (100, 7464), (127, 7575), (154, 7692), (178, 7791), (201, 7863), (202, 7869), (209, 7902),

Gene: Linus_12 Start: 9680, Stop: 10576, Start Num: 34

Candidate Starts for Linus_12:

(Start: 34 @9680 has 19 MA's), (69, 9851), (75, 9914), (94, 10019), (109, 10103), (134, 10202), (160, 10322), (173, 10370), (188, 10439), (192, 10454), (213, 10526),

Gene: LordFarquaad_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for LordFarquaad_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: Luke_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for Luke_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: Lukepolites_8 Start: 7344, Stop: 8243, Start Num: 35

Candidate Starts for Lukepolites_8:

(Start: 35 @7344 has 8 MA's), (48, 7395), (50, 7410), (54, 7431), (60, 7458), (101, 7722), (103, 7734), (116, 7803), (127, 7839), (132, 7854), (144, 7914), (150, 7941), (173, 8031), (185, 8088), (191, 8109), (209, 8166), (217, 8214), (218, 8217), (220, 8223), (222, 8232),

Gene: Luna22_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for Luna22_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: Lymara_12 Start: 9669, Stop: 10565, Start Num: 34

Candidate Starts for Lymara_12:

(Start: 34 @9669 has 19 MA's), (69, 9840), (75, 9903), (94, 10008), (109, 10092), (134, 10191), (157, 10296), (188, 10428), (192, 10443), (213, 10515),

Gene: Lysidious_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for Lysidious_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (48, 5248), (54, 5284), (59, 5308), (76, 5446), (93, 5524), (98, 5551), (114, 5644), (115, 5650), (143, 5782), (150, 5812), (156, 5836), (160, 5851), (172, 5899), (174, 5911), (223, 6130),

Gene: Majeke_6 Start: 5299, Stop: 6243, Start Num: 37

Candidate Starts for Majeke_6:

(Start: 37 @5299 has 234 MA's), (46, 5332), (54, 5383), (76, 5545), (92, 5620), (97, 5647), (98, 5650), (102, 5674), (105, 5689), (107, 5704), (132, 5800), (142, 5854), (146, 5872), (155, 5905), (169, 5977), (186, 6058), (193, 6085), (200, 6121), (203, 6136), (213, 6187), (215, 6193), (222, 6232),

Gene: MakCheese_6 Start: 5413, Stop: 6345, Start Num: 37

Candidate Starts for MakCheese_6:

(1, 4711), (3, 4894), (Start: 37 @5413 has 234 MA's), (43, 5428), (56, 5500), (76, 5650), (90, 5716), (93, 5728), (99, 5767), (112, 5839), (115, 5854), (130, 5920), (144, 5989), (150, 6016), (156, 6040), (172, 6103), (174, 6115), (179, 6139), (214, 6289), (223, 6334),

Gene: Malachai_6 Start: 5212, Stop: 6141, Start Num: 37

Candidate Starts for Malachai_6:

(Start: 37 @5212 has 234 MA's), (43, 5227), (48, 5251), (54, 5287), (59, 5311), (73, 5416), (76, 5449), (93, 5527), (98, 5554), (114, 5647), (115, 5653), (143, 5785), (150, 5815), (156, 5839), (160, 5854), (172, 5902), (174, 5914), (223, 6133),

Gene: Malibo_6 Start: 5429, Stop: 6361, Start Num: 37

Candidate Starts for Malibo_6:

(23, 5345), (Start: 37 @5429 has 234 MA's), (43, 5444), (56, 5516), (76, 5666), (90, 5732), (93, 5744), (94, 5747), (99, 5783), (114, 5864), (130, 5936), (150, 6032), (172, 6119), (174, 6131), (214, 6305),

Gene: Malithi_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for Malithi_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: Mangethe_6 Start: 5299, Stop: 6243, Start Num: 37

Candidate Starts for Mangethe_6:

(Start: 37 @5299 has 234 MA's), (46, 5332), (54, 5383), (76, 5545), (92, 5620), (97, 5647), (98, 5650), (102, 5674), (105, 5689), (107, 5704), (132, 5800), (142, 5854), (146, 5872), (155, 5905), (169, 5977), (186, 6058), (193, 6085), (200, 6121), (203, 6136), (213, 6187), (215, 6193), (222, 6232),

Gene: Marky_16 Start: 11698, Stop: 12666, Start Num: 37

Candidate Starts for Marky_16:

(Start: 37 @11698 has 234 MA's), (Start: 41 @11704 has 1 MA's), (44, 11722), (58, 11797), (62, 11815), (63, 11818), (74, 11908), (81, 11962), (99, 12055), (107, 12097), (111, 12115), (129, 12208), (149, 12319), (156, 12346), (168, 12412), (175, 12436), (186, 12487), (210, 12571), (212, 12580),

Gene: Martha_9 Start: 7515, Stop: 8402, Start Num: 37

Candidate Starts for Martha_9:

(Start: 37 @7515 has 234 MA's), (82, 7797), (90, 7833), (97, 7869), (101, 7893), (116, 7962), (122, 7977), (136, 8031), (139, 8046), (150, 8100), (176, 8202), (186, 8250), (213, 8346),

Gene: Matteo_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Matteo_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: Mbo4_6 Start: 5456, Stop: 6385, Start Num: 37

Candidate Starts for Mbo4_6:

(Start: 37 @5456 has 234 MA's), (43, 5471), (69, 5618), (88, 5753), (93, 5771), (98, 5798), (144, 6032), (159, 6095), (182, 6194), (183, 6197), (218, 6359),

Gene: Megiddo_6 Start: 5281, Stop: 6225, Start Num: 37

Candidate Starts for Megiddo_6:

(Start: 37 @5281 has 234 MA's), (47, 5326), (54, 5365), (76, 5527), (92, 5602), (97, 5629), (102, 5656), (105, 5671), (107, 5686), (126, 5761), (132, 5782), (146, 5854), (155, 5887), (157, 5896), (169, 5959), (186, 6040), (187, 6043), (193, 6067), (200, 6103), (203, 6118), (213, 6169), (215, 6175), (216, 6178), (222, 6214),

Gene: Melba_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for Melba_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (48, 5248), (54, 5284), (59, 5308), (73, 5413), (76, 5446), (93, 5524), (98, 5551), (114, 5644), (115, 5650), (143, 5782), (150, 5812), (156, 5836), (160, 5851), (172, 5899), (174, 5911), (223, 6130),

Gene: Mellie_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for Mellie_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (48, 5248), (54, 5284), (59, 5308), (76, 5446), (93, 5524), (98, 5551), (114, 5644), (115, 5650), (143, 5782), (150, 5812), (156, 5836), (160, 5851), (172, 5899), (174, 5911), (223, 6130),

Gene: MichaelScott_7 Start: 5345, Stop: 6268, Start Num: 37

Candidate Starts for MichaelScott_7:

(Start: 37 @5345 has 234 MA's), (54, 5429), (64, 5477), (104, 5732), (107, 5750), (142, 5897), (145, 5912), (164, 5984), (173, 6017), (189, 6092), (196, 6125), (209, 6191), (213, 6212), (222, 6257),

Gene: Microdon_15 Start: 11458, Stop: 12438, Start Num: 37

Candidate Starts for Microdon_15:

(Start: 37 @11458 has 234 MA's), (Start: 41 @11464 has 1 MA's), (44, 11482), (58, 11557), (62, 11575), (63, 11578), (74, 11668), (75, 11674), (81, 11722), (86, 11740), (98, 11803), (99, 11815), (100, 11818), (107, 11857), (118, 11923), (145, 12073), (146, 12076), (156, 12115), (186, 12256), (210, 12340), (212, 12349), (219, 12388),

Gene: MillySue_10 Start: 6548, Stop: 7459, Start Num: 39

Candidate Starts for MillySue_10:

(Start: 39 @6548 has 12 MA's), (91, 6866), (142, 7100), (200, 7337), (213, 7403), (215, 7409),

Gene: MintFen_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for MintFen_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (48, 5248), (54, 5284), (59, 5308), (73, 5413), (76, 5446), (93, 5524), (98, 5551), (114, 5644), (115, 5650), (143, 5782), (150, 5812), (156, 5836), (160, 5851), (172, 5899), (174, 5911), (223, 6130),

Gene: MissRona_6 Start: 5041, Stop: 5970, Start Num: 37

Candidate Starts for MissRona_6:

(Start: 37 @5041 has 234 MA's), (43, 5062), (51, 5104), (62, 5161), (69, 5209), (76, 5284), (82, 5314), (88, 5344), (93, 5362), (98, 5389), (99, 5401), (103, 5422), (112, 5473), (121, 5509), (140, 5602), (143, 5617), (150, 5647), (174, 5746), (182, 5782), (186, 5800), (213, 5917), (216, 5926),

Gene: Mocha12_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Mocha12_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: Moonflower_7 Start: 5587, Stop: 6507, Start Num: 37

Candidate Starts for Moonflower_7:

(13, 5440), (Start: 37 @5587 has 234 MA's), (54, 5671), (82, 5863), (123, 6052), (131, 6082), (134, 6094), (143, 6142), (146, 6157), (150, 6172), (167, 6241), (168, 6247), (180, 6298), (189, 6334), (203, 6400), (207, 6421), (209, 6430), (222, 6496),

Gene: Mordred_12 Start: 9680, Stop: 10576, Start Num: 34

Candidate Starts for Mordred_12:

(Start: 34 @9680 has 19 MA's), (69, 9851), (73, 9905), (94, 10019), (109, 10103), (134, 10202), (160, 10322), (188, 10439), (192, 10454), (213, 10526),

Gene: MoyaNatalis_12 Start: 9683, Stop: 10579, Start Num: 34

Candidate Starts for MoyaNatalis_12:

(Start: 34 @9683 has 19 MA's), (69, 9854), (75, 9917), (94, 10022), (109, 10106), (134, 10205), (160, 10325), (188, 10442), (192, 10457), (213, 10529),

Gene: Mulch_10 Start: 6844, Stop: 7776, Start Num: 37

Candidate Starts for Mulch_10:

(Start: 37 @6844 has 234 MA's), (43, 6859), (53, 6916), (54, 6919), (56, 6931), (76, 7081), (82, 7111), (90, 7147), (93, 7159), (99, 7198), (114, 7279), (150, 7447), (160, 7486), (181, 7579), (214, 7720), (223, 7765),

Gene: Murp_6 Start: 5197, Stop: 6129, Start Num: 37

Candidate Starts for Murp_6:

(Start: 37 @5197 has 234 MA's), (43, 5212), (48, 5236), (54, 5272), (59, 5296), (73, 5401), (93, 5512), (98, 5539), (114, 5632), (142, 5767), (150, 5800), (156, 5824), (172, 5887), (174, 5899), (223, 6118),

Gene: Music_10 Start: 9165, Stop: 10046, Start Num: 37

Candidate Starts for Music_10:

(Start: 37 @9165 has 234 MA's), (73, 9378), (76, 9411), (90, 9477), (97, 9513), (116, 9606), (176, 9846), (188, 9903), (202, 9936), (213, 9990),

Gene: Nadeem_10 Start: 6844, Stop: 7776, Start Num: 37

Candidate Starts for Nadeem_10:

(Start: 37 @6844 has 234 MA's), (43, 6859), (53, 6916), (54, 6919), (56, 6931), (76, 7081), (82, 7111), (90, 7147), (93, 7159), (99, 7198), (114, 7279), (150, 7447), (160, 7486), (181, 7579), (214, 7720), (223, 7765),

Gene: NancyRae_10 Start: 6844, Stop: 7776, Start Num: 37

Candidate Starts for NancyRae_10:

(Start: 37 @6844 has 234 MA's), (43, 6859), (53, 6916), (54, 6919), (56, 6931), (76, 7081), (82, 7111), (90, 7147), (93, 7159), (99, 7198), (114, 7279), (150, 7447), (160, 7486), (181, 7579), (214, 7720), (223, 7765),

Gene: Nandita_10 Start: 6592, Stop: 7521, Start Num: 36

Candidate Starts for Nandita_10:

(Start: 36 @6592 has 12 MA's), (48, 6640), (75, 6814), (98, 6943), (102, 6967), (156, 7213), (184, 7321), (189, 7345), (199, 7393), (212, 7459),

Gene: Nandito_8 Start: 7117, Stop: 8001, Start Num: 37

Candidate Starts for Nandito_8:

(Start: 37 @7117 has 234 MA's), (65, 7249), (69, 7282), (76, 7366), (100, 7486), (127, 7597), (142, 7666), (154, 7714), (209, 7924), (215, 7951),

Gene: NathanVaag_8 Start: 7217, Stop: 8110, Start Num: 35

Candidate Starts for NathanVaag_8:

(Start: 35 @7217 has 8 MA's), (76, 7472), (82, 7502), (97, 7574), (136, 7736), (142, 7772), (156, 7829), (176, 7907), (186, 7955), (203, 8000), (209, 8030), (213, 8051),

Gene: Nazo_6 Start: 5266, Stop: 6216, Start Num: 37

Candidate Starts for Nazo_6:

(Start: 37 @5266 has 234 MA's), (54, 5350), (55, 5353), (92, 5587), (97, 5614), (102, 5641), (105, 5656), (107, 5671), (132, 5773), (146, 5845), (155, 5878), (157, 5887), (164, 5923), (168, 5944), (169, 5950), (183, 6016), (186, 6031), (193, 6058), (203, 6109), (215, 6166), (222, 6205),

Gene: Necropolis_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for Necropolis_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: Nettuno_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Nettuno_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634),

Gene: Nostromo_8 Start: 7603, Stop: 8493, Start Num: 37

Candidate Starts for Nostromo_8:

(Start: 37 @7603 has 234 MA's), (70, 7771), (76, 7852), (90, 7918), (103, 7990), (114, 8038), (127, 8083), (173, 8275), (186, 8335), (209, 8410),

Gene: NovoPizza_7 Start: 6709, Stop: 7668, Start Num: 37

Candidate Starts for NovoPizza_7:

(10, 6511), (17, 6577), (Start: 37 @6709 has 234 MA's), (58, 6811), (59, 6814), (90, 7018), (93, 7030), (99, 7069), (108, 7114), (114, 7150), (115, 7156), (144, 7309), (147, 7324), (150, 7336), (155, 7354), (156, 7360), (167, 7411), (171, 7423), (174, 7438), (181, 7471), (183, 7477), (194, 7522), (218, 7639),

Gene: OBUpride_9 Start: 6580, Stop: 7536, Start Num: 37

Candidate Starts for OBUpride_9:

(Start: 37 @6580 has 234 MA's), (50, 6640), (58, 6682), (59, 6685), (76, 6823), (86, 6865), (90, 6889), (93, 6901), (99, 6940), (100, 6943), (101, 6949), (110, 6997), (112, 7012), (124, 7057), (144, 7174), (147, 7189), (150, 7201), (155, 7219), (162, 7249), (171, 7291), (172, 7294), (174, 7306), (184, 7348), (194, 7390), (223, 7525),

Gene: Obliviate_6 Start: 5233, Stop: 6162, Start Num: 37

Candidate Starts for Obliviate_6:

(Start: 37 @5233 has 234 MA's), (43, 5248), (48, 5272), (54, 5308), (59, 5332), (76, 5470), (93, 5548), (98, 5575), (114, 5668), (115, 5674), (143, 5806), (150, 5836), (156, 5860), (160, 5875), (172, 5923), (174, 5935), (223, 6154),

Gene: Ohgeesy_6 Start: 4895, Stop: 5824, Start Num: 37

Candidate Starts for Ohgeesy_6:

(Start: 37 @4895 has 234 MA's), (51, 4958), (59, 5000), (76, 5138), (88, 5198), (93, 5216), (112, 5327), (143, 5471), (150, 5501), (171, 5585), (174, 5600), (196, 5699), (213, 5771), (216, 5780),

Gene: Oregano_7 Start: 5016, Stop: 5939, Start Num: 37

Candidate Starts for Oregano_7:

(Start: 37 @5016 has 234 MA's), (54, 5100), (64, 5148), (104, 5403), (107, 5421), (142, 5568), (143, 5571), (145, 5583), (164, 5655), (173, 5688), (189, 5763), (196, 5796), (209, 5862), (213, 5883), (222, 5928),

Gene: Orkz_12 Start: 7803, Stop: 8696, Start Num: 32

Candidate Starts for Orkz_12:

(32, 7803), (57, 7911), (67, 7959), (76, 8061), (80, 8082), (97, 8163), (116, 8256), (186, 8544), (190, 8559), (207, 8610), (213, 8640),

Gene: PCoral7_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for PCoral7_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (54, 5284), (73, 5413), (87, 5500), (93, 5524), (112, 5635), (115, 5650), (143, 5782), (150, 5812), (172, 5899), (173, 5905), (174, 5911), (223, 6130),

Gene: PantheRoc_6 Start: 4895, Stop: 5824, Start Num: 37

Candidate Starts for PantheRoc_6:

(Start: 37 @4895 has 234 MA's), (51, 4958), (59, 5000), (76, 5138), (88, 5198), (93, 5216), (112, 5327), (143, 5471), (150, 5501), (171, 5585), (174, 5600), (196, 5699), (213, 5771), (216, 5780),

Gene: Parada_10 Start: 6844, Stop: 7776, Start Num: 37

Candidate Starts for Parada_10:

(Start: 37 @6844 has 234 MA's), (43, 6859), (53, 6916), (54, 6919), (56, 6931), (76, 7081), (82, 7111), (90, 7147), (93, 7159), (99, 7198), (114, 7279), (150, 7447), (160, 7486), (181, 7579), (214, 7720), (223, 7765),

Gene: PeanutPie_6 Start: 5285, Stop: 6229, Start Num: 37

Candidate Starts for PeanutPie_6:

(Start: 37 @5285 has 234 MA's), (47, 5330), (54, 5369), (76, 5531), (92, 5606), (97, 5633), (98, 5636), (102, 5660), (105, 5675), (107, 5690), (126, 5765), (132, 5786), (146, 5858), (155, 5891), (157, 5900), (169, 5963), (186, 6044), (193, 6071), (200, 6107), (203, 6122), (213, 6173), (215, 6179), (216, 6182), (222, 6218),

Gene: Petra_6 Start: 5041, Stop: 5970, Start Num: 37

Candidate Starts for Petra_6:

(Start: 37 @5041 has 234 MA's), (43, 5062), (51, 5104), (62, 5161), (69, 5209), (76, 5284), (82, 5314), (88, 5344), (93, 5362), (98, 5389), (99, 5401), (103, 5422), (112, 5473), (121, 5509), (140, 5602), (143, 5617), (150, 5647), (171, 5731), (174, 5746), (182, 5782), (186, 5800), (213, 5917), (216, 5926),

Gene: Phalm_6 Start: 5281, Stop: 6225, Start Num: 37

Candidate Starts for Phalm_6:

(Start: 37 @5281 has 234 MA's), (47, 5326), (54, 5365), (76, 5527), (92, 5602), (97, 5629), (102, 5656), (105, 5671), (107, 5686), (126, 5761), (132, 5782), (146, 5854), (155, 5887), (157, 5896), (169, 5959), (186, 6040), (187, 6043), (193, 6067), (200, 6103), (203, 6118), (213, 6169), (215, 6175), (216, 6178), (222, 6214),

Gene: Phayonce_6 Start: 5268, Stop: 6224, Start Num: 37

Candidate Starts for Phayonce_6:

(Start: 37 @5268 has 234 MA's), (47, 5313), (54, 5352), (55, 5355), (61, 5385), (75, 5490), (89, 5577), (92, 5589), (97, 5616), (102, 5643), (104, 5655), (107, 5673), (132, 5781), (142, 5835), (146, 5853), (155, 5886), (169, 5958), (186, 6039), (192, 6063), (193, 6066), (203, 6117), (213, 6168), (215, 6174), (222, 6213),

Gene: Phegasus_6 Start: 5299, Stop: 6243, Start Num: 37

Candidate Starts for Phegasus_6:

(Start: 37 @5299 has 234 MA's), (46, 5332), (54, 5383), (76, 5545), (92, 5620), (97, 5647), (98, 5650), (102, 5674), (105, 5689), (107, 5704), (132, 5800), (142, 5854), (146, 5872), (155, 5905), (169, 5977), (186, 6058), (193, 6085), (200, 6121), (203, 6136), (213, 6187), (215, 6193), (222, 6232),

Gene: Phineas_6 Start: 5282, Stop: 6226, Start Num: 37

Candidate Starts for Phineas_6:

(Start: 37 @5282 has 234 MA's), (47, 5327), (54, 5366), (76, 5528), (92, 5603), (97, 5630), (102, 5657), (105, 5672), (107, 5687), (126, 5762), (132, 5783), (146, 5855), (155, 5888), (157, 5897), (169, 5960), (186, 6041), (187, 6044), (193, 6068), (200, 6104), (203, 6119), (213, 6170), (215, 6176), (216, 6179), (222, 6215),

Gene: PhriskyACE_6 Start: 4843, Stop: 5766, Start Num: 37

Candidate Starts for PhriskyACE_6:

(Start: 37 @4843 has 234 MA's), (54, 4927), (64, 4975), (104, 5230), (107, 5248), (142, 5395), (143, 5398), (145, 5410), (164, 5482), (173, 5515), (189, 5590), (196, 5623), (209, 5689), (212, 5704), (213, 5710), (222, 5755),

Gene: PhrostedPhlake_6 Start: 5231, Stop: 6163, Start Num: 37

Candidate Starts for PhrostedPhlake_6:

(Start: 37 @5231 has 234 MA's), (43, 5246), (48, 5270), (54, 5306), (59, 5330), (73, 5435), (93, 5546), (98, 5573), (114, 5666), (142, 5801), (150, 5834), (156, 5858), (160, 5873), (172, 5921), (174, 5933), (223, 6152),

Gene: Piccoletto_8 Start: 7218, Stop: 8111, Start Num: 35

Candidate Starts for Piccoletto_8:

(Start: 35 @7218 has 8 MA's), (76, 7473), (82, 7503), (97, 7575), (142, 7773), (176, 7908), (186, 7956), (203, 8001), (209, 8031), (213, 8052),

Gene: Pickett_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Pickett_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: Pimento_10 Start: 6841, Stop: 7773, Start Num: 37

Candidate Starts for Pimento_10:

(Start: 37 @6841 has 234 MA's), (43, 6856), (53, 6913), (54, 6916), (56, 6928), (76, 7078), (82, 7108), (90, 7144), (93, 7156), (99, 7195), (114, 7276), (150, 7444), (160, 7483), (181, 7576), (214, 7717), (223, 7762),

Gene: Pipp_6 Start: 5233, Stop: 6162, Start Num: 37

Candidate Starts for Pipp_6:

(Start: 37 @5233 has 234 MA's), (43, 5248), (48, 5272), (54, 5308), (59, 5332), (73, 5437), (93, 5548), (98, 5575), (112, 5659), (114, 5668), (115, 5674), (143, 5806), (150, 5836), (156, 5860), (172, 5923), (174, 5935), (223, 6154),

Gene: Pippa_9 Start: 7607, Stop: 8494, Start Num: 37

Candidate Starts for Pippa_9:

(Start: 37 @7607 has 234 MA's), (67, 7757), (82, 7889), (97, 7961), (116, 8054), (122, 8069), (136, 8123), (139, 8138), (150, 8192), (183, 8327), (186, 8342), (209, 8417), (213, 8438),

Gene: Polkaroo_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for Polkaroo_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: Popper_8 Start: 6084, Stop: 7013, Start Num: 36

Candidate Starts for Popper_8:

(Start: 36 @6084 has 12 MA's), (45, 6117), (75, 6306), (90, 6396), (93, 6408), (98, 6435), (102, 6459), (189, 6837), (212, 6951), (213, 6957),

Gene: Powerball_6 Start: 4843, Stop: 5766, Start Num: 37

Candidate Starts for Powerball_6:

(Start: 37 @4843 has 234 MA's), (54, 4927), (64, 4975), (104, 5230), (107, 5248), (131, 5338), (150, 5428), (189, 5590), (196, 5623), (199, 5638), (209, 5689), (213, 5710), (222, 5755),

Gene: Prairie_8 Start: 7102, Stop: 7989, Start Num: 37

Candidate Starts for Prairie_8:

(Start: 37 @7102 has 234 MA's), (65, 7234), (69, 7267), (76, 7351), (84, 7387), (90, 7417), (100, 7471), (122, 7561), (127, 7582), (142, 7651), (154, 7699), (201, 7870), (209, 7909),

Gene: PrincePatrick_6 Start: 5210, Stop: 6139, Start Num: 37

Candidate Starts for PrincePatrick_6:

(Start: 37 @5210 has 234 MA's), (43, 5225), (54, 5285), (56, 5297), (73, 5414), (87, 5501), (93, 5525), (112, 5636), (115, 5651), (143, 5783), (150, 5813), (172, 5900), (174, 5912), (223, 6131),

Gene: PrincessTrina_12 Start: 9683, Stop: 10579, Start Num: 34

Candidate Starts for PrincessTrina_12:

(Start: 34 @9683 has 19 MA's), (69, 9854), (75, 9917), (94, 10022), (109, 10106), (134, 10205), (160, 10325), (173, 10373), (188, 10442), (192, 10457), (213, 10529),

Gene: Purky_6 Start: 5271, Stop: 6215, Start Num: 37

Candidate Starts for Purky_6:

(Start: 37 @5271 has 234 MA's), (54, 5355), (61, 5388), (75, 5493), (89, 5580), (92, 5592), (97, 5619), (102, 5646), (104, 5658), (107, 5676), (126, 5751), (132, 5772), (142, 5826), (146, 5844), (150, 5859), (155, 5877), (169, 5949), (186, 6030), (192, 6054), (193, 6057), (203, 6108), (215, 6165), (222, 6204),

Gene: Pygmy_6 Start: 5282, Stop: 6226, Start Num: 37

Candidate Starts for Pygmy_6:

(Start: 37 @5282 has 234 MA's), (47, 5327), (54, 5366), (76, 5528), (92, 5603), (97, 5630), (102, 5657), (105, 5672), (107, 5687), (126, 5762), (132, 5783), (146, 5855), (155, 5888), (157, 5897), (169, 5960), (186, 6041), (200, 6104), (203, 6119), (215, 6176), (216, 6179), (222, 6215),

Gene: QuinnAvery_10 Start: 6551, Stop: 7462, Start Num: 39

Candidate Starts for QuinnAvery_10:

(27, 6503), (Start: 39 @6551 has 12 MA's), (142, 7103), (200, 7340), (213, 7406), (215, 7412),

Gene: REQ2_06 Start: 4914, Stop: 5852, Start Num: 37

Candidate Starts for REQ2_06:

(5, 4599), (6, 4641), (18, 4800), (Start: 37 @4914 has 234 MA's), (43, 4932), (48, 4956), (65, 5043), (83, 5187), (93, 5232), (98, 5259), (120, 5370), (144, 5496), (147, 5511), (150, 5523), (156, 5547), (176, 5628), (214, 5796), (223, 5841),

Gene: RayTheFireFly_7 Start: 5588, Stop: 6508, Start Num: 37

Candidate Starts for RayTheFireFly_7:

(Start: 37 @5588 has 234 MA's), (54, 5672), (82, 5864), (123, 6053), (131, 6083), (134, 6095), (143, 6143), (146, 6158), (150, 6173), (167, 6242), (168, 6248), (180, 6299), (183, 6308), (189, 6335), (203, 6401), (207, 6422), (209, 6431), (222, 6497),

Gene: RosiePosie_12 Start: 9683, Stop: 10579, Start Num: 34

Candidate Starts for RosiePosie_12:

(Start: 34 @9683 has 19 MA's), (69, 9854), (75, 9917), (94, 10022), (109, 10106), (134, 10205), (160, 10325), (188, 10442), (192, 10457), (213, 10529),

Gene: Ruthy_6 Start: 5494, Stop: 6426, Start Num: 37

Candidate Starts for Ruthy_6:

(Start: 37 @5494 has 234 MA's), (43, 5509), (56, 5581), (76, 5731), (90, 5797), (93, 5809), (94, 5812), (99, 5848), (114, 5929), (130, 6001), (150, 6097), (156, 6121), (172, 6184), (214, 6370),

Gene: Ryan_10 Start: 6702, Stop: 7631, Start Num: 36

Candidate Starts for Ryan_10:

(Start: 36 @6702 has 12 MA's), (75, 6924), (90, 7014), (102, 7077), (184, 7431), (189, 7455), (212, 7569),

Gene: Sahara_6 Start: 4845, Stop: 5768, Start Num: 37

Candidate Starts for Sahara_6:

(Start: 37 @4845 has 234 MA's), (54, 4929), (64, 4977), (82, 5121), (102, 5220), (104, 5232), (107, 5250), (143, 5400), (164, 5484), (168, 5505), (173, 5517), (189, 5592), (196, 5625), (213, 5712),

Gene: SamW_6 Start: 5118, Stop: 6050, Start Num: 40

Candidate Starts for SamW_6:

(30, 5085), (Start: 40 @5118 has 8 MA's), (76, 5355), (81, 5379), (87, 5409), (90, 5421), (97, 5457), (98, 5460), (103, 5493), (138, 5664), (143, 5691), (154, 5736), (166, 5790), (177, 5838), (195, 5910), (204, 5946), (205, 5958), (206, 5961), (211, 5982), (217, 6021), (222, 6039),

Gene: Samba_6 Start: 5210, Stop: 6139, Start Num: 37

Candidate Starts for Samba_6:

(Start: 37 @5210 has 234 MA's), (43, 5225), (48, 5249), (54, 5285), (59, 5309), (73, 5414), (76, 5447), (93, 5525), (98, 5552), (114, 5645), (115, 5651), (143, 5783), (150, 5813), (156, 5837), (160, 5852), (172, 5900), (174, 5912), (223, 6131),

Gene: Samman98_7 Start: 5345, Stop: 6268, Start Num: 37

Candidate Starts for Samman98_7:

(Start: 37 @5345 has 234 MA's), (54, 5429), (64, 5477), (104, 5732), (107, 5750), (142, 5897), (143, 5900), (145, 5912), (164, 5984), (173, 6017), (189, 6092), (196, 6125), (209, 6191), (213, 6212), (222, 6257),

Gene: Savage_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Savage_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: Scavito_12 Start: 9680, Stop: 10576, Start Num: 34

Candidate Starts for Scavito_12:

(Start: 34 @9680 has 19 MA's), (69, 9851), (73, 9905), (94, 10019), (109, 10103), (134, 10202), (160, 10322), (188, 10439), (192, 10454), (213, 10526),

Gene: Schism_10 Start: 6592, Stop: 7521, Start Num: 36

Candidate Starts for Schism_10:

(Start: 36 @6592 has 12 MA's), (48, 6640), (75, 6814), (98, 6943), (102, 6967), (156, 7213), (184, 7321), (189, 7345), (199, 7393), (212, 7459),

Gene: Sekhmet_7 Start: 5345, Stop: 6268, Start Num: 37

Candidate Starts for Sekhmet_7:

(Start: 37 @5345 has 234 MA's), (54, 5429), (64, 5477), (104, 5732), (107, 5750), (142, 5897), (143, 5900), (145, 5912), (164, 5984), (173, 6017), (189, 6092), (196, 6125), (209, 6191), (213, 6212), (222, 6257),

Gene: Shade_9 Start: 7556, Stop: 8443, Start Num: 37

Candidate Starts for Shade_9:

(Start: 37 @7556 has 234 MA's), (82, 7838), (90, 7874), (97, 7910), (101, 7934), (116, 8003), (122, 8018), (136, 8072), (139, 8087), (150, 8141), (176, 8243), (186, 8291), (213, 8387),

Gene: Shipwreck_6 Start: 5282, Stop: 6226, Start Num: 37

Candidate Starts for Shipwreck_6:

(Start: 37 @5282 has 234 MA's), (47, 5327), (54, 5366), (76, 5528), (92, 5603), (97, 5630), (102, 5657), (105, 5672), (107, 5687), (126, 5762), (132, 5783), (146, 5855), (155, 5888), (157, 5897), (169, 5960), (186, 6041), (200, 6104), (203, 6119), (215, 6176), (216, 6179), (222, 6215),

Gene: Shlim410_6 Start: 4904, Stop: 5836, Start Num: 37

Candidate Starts for Shlim410_6:

(Start: 37 @4904 has 234 MA's), (43, 4928), (50, 4967), (51, 4970), (59, 5012), (69, 5075), (88, 5210), (93, 5228), (98, 5255), (112, 5339), (114, 5348), (127, 5411), (140, 5468), (144, 5486), (150, 5513), (156, 5537), (160, 5552), (166, 5582), (174, 5612), (183, 5651), (213, 5783), (216, 5792),

Gene: Shynx_16 Start: 11920, Stop: 12900, Start Num: 37

Candidate Starts for Shynx_16:

(Start: 37 @11920 has 234 MA's), (Start: 41 @11926 has 1 MA's), (44, 11944), (58, 12019), (62, 12037), (63, 12040), (74, 12130), (75, 12136), (81, 12184), (86, 12202), (98, 12265), (99, 12277), (100, 12280), (107, 12319), (145, 12535), (146, 12538), (156, 12577), (210, 12802), (212, 12811), (219, 12850),

Gene: Sicarius2_10 Start: 8104, Stop: 8994, Start Num: 37

Candidate Starts for Sicarius2_10:

(Start: 37 @8104 has 234 MA's), (53, 8188), (76, 8356), (82, 8386), (90, 8422), (101, 8482), (116, 8551), (136, 8620), (150, 8689), (173, 8779), (186, 8839), (188, 8848), (209, 8914), (213, 8935),

Gene: Sidious_6 Start: 4898, Stop: 5827, Start Num: 37

Candidate Starts for Sidious_6:

(Start: 37 @4898 has 234 MA's), (51, 4961), (59, 5003), (69, 5066), (88, 5201), (93, 5219), (112, 5330), (143, 5474), (150, 5504), (171, 5588), (174, 5603), (183, 5642), (196, 5702), (213, 5774), (216, 5783),

Gene: SoilAssassin_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for SoilAssassin_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: Sonah_6 Start: 5299, Stop: 6243, Start Num: 37

Candidate Starts for Sonah_6:

(Start: 37 @5299 has 234 MA's), (46, 5332), (54, 5383), (76, 5545), (92, 5620), (97, 5647), (102, 5674), (105, 5689), (107, 5704), (132, 5800), (142, 5854), (146, 5872), (155, 5905), (169, 5977), (186, 6058), (193, 6085), (200, 6121), (203, 6136), (213, 6187), (215, 6193), (222, 6232),

Gene: Sonny_9 Start: 7577, Stop: 8464, Start Num: 37

Candidate Starts for Sonny_9:

(Start: 37 @7577 has 234 MA's), (82, 7859), (90, 7895), (97, 7931), (101, 7955), (116, 8024), (122, 8039), (136, 8093), (139, 8108), (150, 8162), (176, 8264), (186, 8312), (213, 8408),

Gene: Spartan_6 Start: 4859, Stop: 5815, Start Num: 31

Candidate Starts for Spartan_6:

(25, 4787), (28, 4844), (30, 4850), (31, 4859), (Start: 41 @4892 has 1 MA's), (50, 4943), (68, 5045), (76, 5123), (78, 5132), (93, 5201), (103, 5261), (104, 5264), (112, 5312), (114, 5321), (117, 5333), (125, 5372), (129, 5390), (138, 5432), (144, 5459), (154, 5501), (171, 5570), (216, 5768), (221, 5798), (222, 5804),

Gene: Sprinklemunch_6 Start: 5432, Stop: 6364, Start Num: 37

Candidate Starts for Sprinklemunch_6:

(Start: 37 @5432 has 234 MA's), (43, 5447), (56, 5519), (76, 5669), (88, 5729), (90, 5735), (93, 5747), (94, 5750), (99, 5786), (112, 5858), (115, 5873), (144, 6008), (150, 6035), (156, 6059), (174, 6134), (214, 6308), (223, 6353),

Gene: Sproutie_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Sproutie_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: StAB_6 Start: 5123, Stop: 6055, Start Num: 40

Candidate Starts for StAB_6:

(30, 5090), (Start: 40 @5123 has 8 MA's), (76, 5360), (81, 5384), (87, 5414), (90, 5426), (97, 5462), (98, 5465), (103, 5498), (138, 5669), (143, 5696), (154, 5741), (166, 5795), (177, 5843), (195, 5915), (204, 5951), (205, 5963), (206, 5966), (211, 5987), (217, 6026), (222, 6044),

Gene: StevieBAY_9 Start: 7550, Stop: 8437, Start Num: 37

Candidate Starts for StevieBAY_9:

(Start: 37 @7550 has 234 MA's), (69, 7718), (82, 7832), (90, 7868), (101, 7928), (116, 7997), (142, 8102), (151, 8138), (172, 8219), (176, 8237), (186, 8285), (209, 8360), (213, 8381),

Gene: StevieRay_6 Start: 5285, Stop: 6229, Start Num: 37

Candidate Starts for StevieRay_6:

(Start: 37 @5285 has 234 MA's), (47, 5330), (54, 5369), (76, 5531), (92, 5606), (97, 5633), (102, 5660), (105, 5675), (107, 5690), (126, 5765), (132, 5786), (146, 5858), (155, 5891), (157, 5900), (169, 5963), (186, 6044), (187, 6047), (193, 6071), (200, 6107), (203, 6122), (213, 6173), (215, 6179), (216, 6182), (222, 6218),

Gene: Stiles_6 Start: 5123, Stop: 6055, Start Num: 40

Candidate Starts for Stiles_6:

(30, 5090), (Start: 40 @5123 has 8 MA's), (76, 5360), (81, 5384), (87, 5414), (90, 5426), (97, 5462), (98, 5465), (103, 5498), (138, 5669), (143, 5696), (154, 5741), (166, 5795), (177, 5843), (195, 5915), (204, 5951), (205, 5963), (206, 5966), (211, 5987), (217, 6026), (222, 6044),

Gene: StressBall_6 Start: 5281, Stop: 6225, Start Num: 37

Candidate Starts for StressBall_6:

(Start: 37 @5281 has 234 MA's), (47, 5326), (54, 5365), (76, 5527), (92, 5602), (97, 5629), (102, 5656), (105, 5671), (107, 5686), (126, 5761), (132, 5782), (146, 5854), (155, 5887), (157, 5896), (169, 5959), (186, 6040), (187, 6043), (193, 6067), (200, 6103), (203, 6118), (213, 6169), (215, 6175), (216, 6178), (222, 6214),

Gene: Stuff_15 Start: 11658, Stop: 12632, Start Num: 41

Candidate Starts for Stuff_15:

(Start: 37 @11652 has 234 MA's), (Start: 41 @11658 has 1 MA's), (44, 11676), (58, 11751), (62, 11769), (63, 11772), (74, 11862), (75, 11868), (81, 11916), (86, 11934), (98, 11997), (99, 12009), (100, 12012), (107, 12051), (145, 12267), (146, 12270), (156, 12309), (186, 12450), (210, 12534), (212, 12543), (219, 12582),

Gene: Suerte_6 Start: 4843, Stop: 5766, Start Num: 37

Candidate Starts for Suerte_6:

(Start: 37 @4843 has 234 MA's), (54, 4927), (64, 4975), (104, 5230), (107, 5248), (142, 5395), (145, 5410), (164, 5482), (173, 5515), (189, 5590), (196, 5623), (209, 5689), (213, 5710), (222, 5755),

Gene: SunnyJune_10 Start: 8382, Stop: 9266, Start Num: 37

Candidate Starts for SunnyJune_10:

(Start: 37 @8382 has 234 MA's), (65, 8514), (69, 8547), (73, 8598), (77, 8634), (90, 8697), (97, 8733), (176, 9066), (186, 9114), (201, 9150), (208, 9186), (213, 9210),

Gene: TaeYoung_9 Start: 7578, Stop: 8465, Start Num: 37

Candidate Starts for TaeYoung_9:

(Start: 37 @7578 has 234 MA's), (82, 7860), (90, 7896), (97, 7932), (101, 7956), (116, 8025), (122, 8040), (136, 8094), (139, 8109), (150, 8163), (176, 8265), (186, 8313), (213, 8409),

Gene: Techage_6 Start: 5302, Stop: 6246, Start Num: 37

Candidate Starts for Techage_6:

(Start: 37 @5302 has 234 MA's), (46, 5335), (54, 5386), (75, 5524), (76, 5548), (92, 5623), (97, 5650), (98, 5653), (102, 5677), (105, 5692), (107, 5707), (132, 5803), (142, 5857), (146, 5875), (155, 5908), (169, 5980), (186, 6061), (193, 6088), (200, 6124), (203, 6139), (213, 6190), (215, 6196), (222, 6235),

Gene: Thespis_6 Start: 5281, Stop: 6225, Start Num: 37

Candidate Starts for Thespis_6:

(Start: 37 @5281 has 234 MA's), (47, 5326), (54, 5365), (76, 5527), (92, 5602), (97, 5629), (98, 5632), (102, 5656), (105, 5671), (107, 5686), (126, 5761), (132, 5782), (146, 5854), (155, 5887), (157, 5896), (169, 5959), (186, 6040), (187, 6043), (193, 6067), (200, 6103), (203, 6118), (213, 6169), (215, 6175), (216, 6178), (222, 6214),

Gene: Thimann_7 Start: 5345, Stop: 6268, Start Num: 37

Candidate Starts for Thimann_7:

(Start: 37 @5345 has 234 MA's), (54, 5429), (64, 5477), (104, 5732), (107, 5750), (142, 5897), (143, 5900), (145, 5912), (164, 5984), (173, 6017), (189, 6092), (196, 6125), (209, 6191), (213, 6212), (222, 6257),

Gene: ThulaThula_6 Start: 5313, Stop: 6269, Start Num: 37

Candidate Starts for ThulaThula_6:

(Start: 37 @5313 has 234 MA's), (47, 5358), (54, 5397), (55, 5400), (61, 5430), (75, 5535), (89, 5622), (92, 5634), (97, 5661), (102, 5688), (104, 5700), (107, 5718), (132, 5826), (142, 5880), (146, 5898), (155, 5931), (169, 6003), (186, 6084), (192, 6108), (193, 6111), (203, 6162), (213, 6213), (215, 6219), (222, 6258),

Gene: Timinator_9 Start: 7549, Stop: 8436, Start Num: 37

Candidate Starts for Timinator_9:

(Start: 37 @7549 has 234 MA's), (69, 7717), (82, 7831), (90, 7867), (101, 7927), (116, 7996), (142, 8101), (151, 8137), (172, 8218), (176, 8236), (186, 8284), (209, 8359), (213, 8380),

Gene: Toast_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for Toast_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (54, 5284), (73, 5413), (87, 5500), (93, 5524), (112, 5635), (115, 5650), (143, 5782), (150, 5812), (172, 5899), (173, 5905), (174, 5911), (223, 6130),

Gene: ToastyOats_11 Start: 6906, Stop: 7817, Start Num: 39

Candidate Starts for ToastyOats_11:

(27, 6858), (Start: 39 @6906 has 12 MA's), (142, 7458), (197, 7677), (200, 7695), (213, 7761), (215, 7767),

Gene: Toodles_10 Start: 6635, Stop: 7546, Start Num: 39

Candidate Starts for Toodles_10:

(Start: 39 @6635 has 12 MA's), (91, 6953), (142, 7187), (200, 7424), (213, 7490), (215, 7496),

Gene: Tophat_12 Start: 9682, Stop: 10578, Start Num: 34

Candidate Starts for Tophat_12:

(Start: 34 @9682 has 19 MA's), (69, 9853), (73, 9907), (77, 9943), (94, 10021), (109, 10105), (134, 10204), (160, 10324), (188, 10441), (192, 10456), (213, 10528),

Gene: Tortellini_6 Start: 5252, Stop: 6196, Start Num: 37

Candidate Starts for Tortellini_6:

(8, 4994), (9, 5006), (12, 5102), (Start: 37 @5252 has 234 MA's), (46, 5285), (54, 5336), (61, 5369), (89, 5561), (97, 5600), (102, 5627), (104, 5639), (110, 5672), (126, 5732), (132, 5753), (142, 5807), (146, 5825), (150, 5840), (155, 5858), (164, 5903), (169, 5930), (179, 5978), (186, 6011), (192, 6035), (203, 6089), (213, 6140), (215, 6146), (222, 6185),

Gene: Troy_6 Start: 5118, Stop: 6050, Start Num: 40

Candidate Starts for Troy_6:

(30, 5085), (Start: 40 @5118 has 8 MA's), (76, 5355), (81, 5379), (87, 5409), (90, 5421), (97, 5457), (98, 5460), (103, 5493), (138, 5664), (143, 5691), (154, 5736), (166, 5790), (177, 5838), (195, 5910), (204, 5946), (205, 5958), (206, 5961), (211, 5982), (217, 6021), (222, 6039),

Gene: TuertoX_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for TuertoX_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: Tuti_8 Start: 5345, Stop: 6268, Start Num: 37

Candidate Starts for Tuti_8:

(Start: 37 @5345 has 234 MA's), (54, 5429), (64, 5477), (104, 5732), (107, 5750), (142, 5897), (145, 5912), (164, 5984), (173, 6017), (189, 6092), (196, 6125), (209, 6191), (213, 6212), (222, 6257),

Gene: Twinkle_6 Start: 4904, Stop: 5836, Start Num: 37

Candidate Starts for Twinkle_6:

(Start: 37 @4904 has 234 MA's), (43, 4928), (50, 4967), (51, 4970), (59, 5012), (69, 5075), (88, 5210), (93, 5228), (98, 5255), (112, 5339), (114, 5348), (127, 5411), (140, 5468), (144, 5486), (150, 5513), (156, 5537), (160, 5552), (166, 5582), (174, 5612), (183, 5651), (213, 5783), (216, 5792),

Gene: UNTPL_16 Start: 11770, Stop: 12738, Start Num: 37

Candidate Starts for UNTPL_16:

(Start: 37 @11770 has 234 MA's), (Start: 41 @11776 has 1 MA's), (44, 11794), (58, 11869), (62, 11887), (63, 11890), (74, 11980), (75, 11986), (81, 12034), (86, 12052), (98, 12115), (99, 12127), (100, 12130), (107, 12169), (146, 12379), (149, 12391), (156, 12418), (158, 12427), (168, 12484), (175, 12508), (210, 12643), (212, 12652),

Gene: Ubuntu_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for Ubuntu_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: UmaThurman_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for UmaThurman_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (48, 5248), (54, 5284), (59, 5308), (73, 5413), (93, 5524), (98, 5551), (114, 5644), (115, 5650), (143, 5782), (150, 5812), (156, 5836), (160, 5851), (172, 5899), (174, 5911), (223, 6130),

Gene: Utz_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for Utz_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (48, 5248), (54, 5284), (59, 5308), (76, 5446), (93, 5524), (98, 5551), (114, 5644), (115, 5650), (143, 5782), (150, 5812), (156, 5836), (160, 5851), (172, 5899), (174, 5911), (223, 6130),

Gene: Vasanti_6 Start: 4855, Stop: 5778, Start Num: 37

Candidate Starts for Vasanti_6:

(Start: 37 @4855 has 234 MA's), (54, 4939), (82, 5131), (102, 5230), (104, 5242), (143, 5410), (164, 5494), (168, 5515), (173, 5527), (189, 5602), (196, 5635), (213, 5722),

Gene: Venti_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for Venti_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: Vibaki_10 Start: 9201, Stop: 10082, Start Num: 37

Candidate Starts for Vibaki_10:

(Start: 37 @9201 has 234 MA's), (73, 9414), (76, 9447), (90, 9513), (97, 9549), (116, 9642), (176, 9882), (188, 9939), (202, 9972), (213, 10026),

Gene: Vidya_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for Vidya_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972),

(186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: Vitus_10 Start: 9008, Stop: 9892, Start Num: 37

Candidate Starts for Vitus_10:

(Start: 37 @9008 has 234 MA's), (49, 9062), (50, 9071), (69, 9173), (73, 9224), (76, 9257), (100, 9377), (114, 9443), (132, 9503), (154, 9605), (213, 9836),

Gene: Walrus_6 Start: 5044, Stop: 5973, Start Num: 37

Candidate Starts for Walrus_6:

(Start: 37 @5044 has 234 MA's), (43, 5065), (51, 5107), (62, 5164), (69, 5212), (76, 5287), (82, 5317), (88, 5347), (93, 5365), (98, 5392), (99, 5404), (103, 5425), (112, 5476), (121, 5512), (140, 5605), (143, 5620), (150, 5650), (160, 5689), (171, 5734), (174, 5749), (182, 5785), (186, 5803), (213, 5920), (216, 5929),

Gene: Webster2_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for Webster2_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: Weirido19_7 Start: 5454, Stop: 6380, Start Num: 42

Candidate Starts for Weirido19_7:

(Start: 37 @5439 has 234 MA's), (42, 5454), (43, 5457), (52, 5511), (54, 5517), (59, 5541), (76, 5679), (79, 5694), (82, 5709), (93, 5757), (99, 5796), (108, 5841), (112, 5868), (139, 5997), (143, 6021), (144, 6024), (148, 6045), (149, 6048), (167, 6123), (170, 6132), (194, 6234), (214, 6324), (223, 6369),

Gene: Whack_6 Start: 4913, Stop: 5842, Start Num: 37

Candidate Starts for Whack_6:

(Start: 37 @4913 has 234 MA's), (50, 4973), (51, 4976), (56, 5006), (59, 5018), (69, 5081), (93, 5234), (143, 5489), (146, 5504), (150, 5519), (171, 5603), (182, 5654), (213, 5789), (216, 5798),

Gene: WheatThin_10 Start: 6844, Stop: 7776, Start Num: 37

Candidate Starts for WheatThin_10:

(Start: 37 @6844 has 234 MA's), (43, 6859), (53, 6916), (54, 6919), (56, 6931), (76, 7081), (82, 7111), (90, 7147), (93, 7159), (99, 7198), (114, 7279), (150, 7447), (160, 7486), (181, 7579), (214, 7720), (223, 7765),

Gene: Whiteclaw_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Whiteclaw_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: William_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for William_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (54, 5284), (73, 5413), (87, 5500), (93, 5524), (112, 5635), (115, 5650), (143, 5782), (150, 5812), (172, 5899), (174, 5911), (223, 6130),

Gene: Willsammy_6 Start: 5284, Stop: 6228, Start Num: 37

Candidate Starts for Willsammy_6:

(Start: 37 @5284 has 234 MA's), (47, 5329), (54, 5368), (76, 5530), (92, 5605), (97, 5632), (98, 5635), (102, 5659), (105, 5674), (107, 5689), (126, 5764), (132, 5785), (146, 5857), (155, 5890), (157, 5899),

(169, 5962), (186, 6043), (193, 6070), (200, 6106), (203, 6121), (213, 6172), (215, 6178), (216, 6181), (222, 6217),

Gene: WinkNick_7 Start: 5345, Stop: 6268, Start Num: 37

Candidate Starts for WinkNick_7:

(Start: 37 @5345 has 234 MA's), (54, 5429), (64, 5477), (104, 5732), (107, 5750), (142, 5897), (143, 5900), (145, 5912), (164, 5984), (173, 6017), (189, 6092), (196, 6125), (209, 6191), (213, 6212), (222, 6257),

Gene: Wishmaker_9 Start: 6586, Stop: 7542, Start Num: 37

Candidate Starts for Wishmaker_9:

(Start: 37 @6586 has 234 MA's), (50, 6646), (58, 6688), (59, 6691), (76, 6829), (86, 6871), (90, 6895), (93, 6907), (99, 6946), (100, 6949), (101, 6955), (110, 7003), (112, 7018), (124, 7063), (144, 7180), (147, 7195), (150, 7207), (155, 7225), (162, 7255), (171, 7297), (172, 7300), (174, 7312), (184, 7354), (194, 7396), (223, 7531),

Gene: Wisp_6 Start: 5209, Stop: 6138, Start Num: 37

Candidate Starts for Wisp_6:

(Start: 37 @5209 has 234 MA's), (43, 5224), (48, 5248), (54, 5284), (59, 5308), (73, 5413), (76, 5446), (93, 5524), (98, 5551), (114, 5644), (115, 5650), (143, 5782), (150, 5812), (156, 5836), (160, 5851), (172, 5899), (174, 5911), (223, 6130),

Gene: Wocket_6 Start: 5200, Stop: 6132, Start Num: 37

Candidate Starts for Wocket_6:

(23, 5110), (Start: 37 @5200 has 234 MA's), (43, 5215), (48, 5239), (54, 5275), (59, 5299), (73, 5404), (93, 5515), (98, 5542), (112, 5626), (114, 5635), (142, 5770), (150, 5803), (156, 5827), (172, 5890), (174, 5902), (223, 6121),

Gene: Wyborn_10 Start: 7965, Stop: 8855, Start Num: 37

Candidate Starts for Wyborn_10:

(Start: 37 @7965 has 234 MA's), (53, 8049), (76, 8217), (82, 8247), (90, 8283), (101, 8343), (116, 8412), (136, 8481), (142, 8517), (150, 8550), (173, 8640), (186, 8700), (188, 8709), (203, 8745), (209, 8775), (213, 8796),

Gene: Xavia_6 Start: 5296, Stop: 6240, Start Num: 37

Candidate Starts for Xavia_6:

(Start: 37 @5296 has 234 MA's), (47, 5341), (54, 5380), (76, 5542), (92, 5617), (97, 5644), (102, 5671), (105, 5686), (107, 5701), (126, 5776), (132, 5797), (146, 5869), (155, 5902), (157, 5911), (169, 5974), (186, 6055), (187, 6058), (193, 6082), (200, 6118), (203, 6133), (213, 6184), (215, 6190), (216, 6193), (222, 6229),

Gene: Yeet412_6 Start: 4854, Stop: 5777, Start Num: 37

Candidate Starts for Yeet412_6:

(Start: 37 @4854 has 234 MA's), (54, 4938), (64, 4986), (82, 5130), (102, 5229), (104, 5241), (143, 5409), (164, 5493), (168, 5514), (173, 5526), (180, 5565), (189, 5601), (196, 5634), (213, 5721),

Gene: Yeezy_6 Start: 4895, Stop: 5824, Start Num: 37

Candidate Starts for Yeezy_6:

(Start: 37 @4895 has 234 MA's), (51, 4958), (59, 5000), (76, 5138), (88, 5198), (93, 5216), (112, 5327), (143, 5471), (150, 5501), (171, 5585), (174, 5600), (196, 5699), (213, 5771), (216, 5780),

Gene: Yonex_10 Start: 6702, Stop: 7631, Start Num: 36

Candidate Starts for Yonex_10:

(Start: 36 @6702 has 12 MA's), (75, 6924), (90, 7014), (102, 7077), (184, 7431), (189, 7455), (212, 7569),

Gene: Zaheer_10 Start: 6791, Stop: 7720, Start Num: 36

Candidate Starts for Zaheer_10:

(Start: 36 @6791 has 12 MA's), (75, 7013), (90, 7103), (102, 7166), (184, 7520), (189, 7544), (212, 7658),

Gene: Zarbodnamra_6 Start: 5208, Stop: 6137, Start Num: 37

Candidate Starts for Zarbodnamra_6:

(Start: 37 @5208 has 234 MA's), (43, 5223), (48, 5247), (54, 5283), (59, 5307), (73, 5412), (76, 5445), (93, 5523), (98, 5550), (114, 5643), (115, 5649), (143, 5781), (150, 5811), (156, 5835), (160, 5850), (172, 5898), (174, 5910), (223, 6129),

Gene: Zartrosa_9 Start: 7577, Stop: 8464, Start Num: 37

Candidate Starts for Zartrosa_9:

(Start: 37 @7577 has 234 MA's), (82, 7859), (97, 7931), (101, 7955), (116, 8024), (122, 8039), (136, 8093), (139, 8108), (150, 8162), (176, 8264), (186, 8312), (213, 8408),

Gene: ZiggyZoo_6 Start: 5233, Stop: 6162, Start Num: 37

Candidate Starts for ZiggyZoo_6:

(Start: 37 @5233 has 234 MA's), (43, 5248), (48, 5272), (54, 5308), (59, 5332), (76, 5470), (93, 5548), (98, 5575), (114, 5668), (115, 5674), (143, 5806), (150, 5836), (156, 5860), (160, 5875), (172, 5923), (174, 5935), (223, 6154),

Gene: Zilizebeth_6 Start: 5294, Stop: 6238, Start Num: 37

Candidate Starts for Zilizebeth_6:

(Start: 37 @5294 has 234 MA's), (47, 5339), (54, 5378), (76, 5540), (92, 5615), (97, 5642), (102, 5669), (105, 5684), (107, 5699), (126, 5774), (132, 5795), (146, 5867), (155, 5900), (157, 5909), (169, 5972), (186, 6053), (187, 6056), (193, 6080), (200, 6116), (203, 6131), (213, 6182), (215, 6188), (216, 6191), (222, 6227),

Gene: Zilla_6 Start: 5202, Stop: 6134, Start Num: 37

Candidate Starts for Zilla_6:

(Start: 37 @5202 has 234 MA's), (43, 5217), (54, 5277), (73, 5406), (76, 5439), (93, 5517), (98, 5544), (101, 5565), (112, 5628), (114, 5637), (115, 5643), (143, 5775), (150, 5805), (156, 5829), (160, 5844), (171, 5889), (172, 5892), (174, 5904), (223, 6123),

Gene: Zodiariah_6 Start: 5418, Stop: 6350, Start Num: 37

Candidate Starts for Zodiariah_6:

(1, 4716), (2, 4773), (3, 4899), (Start: 37 @5418 has 234 MA's), (43, 5433), (56, 5505), (76, 5655), (90, 5721), (93, 5733), (99, 5772), (112, 5844), (144, 5994), (150, 6021), (156, 6045), (172, 6108), (174, 6120), (179, 6144), (214, 6294), (223, 6339),