

Pham 290717

r51: Maminiana_32 + 1	14	36	66	86	106	109	122	129	148	180	195	199	215	225	233	240	274	288	310	340	378	388
r52: LoneWolf_36	36	66	86	106	109	122	129	143	171	183	195	199	215	225	233	240	274	288	310	340	378	388
r53: Rahaleluja_30 + 1	30	60	80	100	109	122	129	143	171	183	195	199	215	225	233	240	274	288	310	340	378	388
r54: Hanray_32 + 6	32	64	88	108	109	122	129	143	171	183	195	199	215	225	233	240	274	288	310	340	378	388
r55: Ayanochan_34	34	68	88	108	109	122	129	143	171	183	195	199	215	225	233	240	274	288	310	340	378	388
r56: Toaka_30	30	60	80	100	109	122	129	143	171	183	195	199	215	225	233	240	274	288	310	340	378	388
r57: EdogawaK_300_31	30	60	80	100	109	122	129	143	171	183	195	199	215	225	233	240	274	288	310	340	378	388
r58: Darrell_33	33	66	86	106	109	122	129	143	171	183	195	199	215	225	233	240	274	288	310	340	378	388
r59: Aima_33	33	66	86	106	109	122	129	143	171	183	195	199	215	225	233	240	274	288	310	340	378	388
r60: MegTheMad_31 +	31	62	80	100	109	122	129	143	171	183	195	199	215	225	233	240	274	288	310	340	378	388
r61: Klodith_31	31	62	80	100	109	122	129	143	171	183	195	199	215	225	233	240	274	288	310	340	378	388
r62: Elephantoon_32	32	64	80	100	109	122	129	143	171	183	195	199	215	225	233	240	274	288	310	340	378	388
r63: SheaKella_31	31	62	80	100	109	122	129	143	171	183	195	199	215	225	233	240	274	288	310	340	378	388
r64: Cham_31	31	62	80	100	109	122	129	143	171	183	195	199	215	225	233	240	274	288	310	340	378	388
r65: DreamTeam_31	31	62	80	100	109	122	129	143	171	183	195	199	215	225	233	240	274	288	310	340	378	388
r66: Sachima_31	31	62	80	100	109	122	129	143	171	183	195	199	215	225	233	240	274	288	310	340	378	388

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 290717 Report

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

Pham number 290717 has 418 members, 58 are drafts.

Phages represented in each track:

- Track 1 : DontArgue_31
- Track 2 : WalterMcMickey_33, Twister_33
- Track 3 : Topanga_33
- Track 4 : Chupacabra_32
- Track 5 : Kristoff_34
- Track 6 : Eaglepride_34
- Track 7 : RhynO_34
- Track 8 : Edison31_33
- Track 9 : Goose_32
- Track 10 : Rebeuca_34
- Track 11 : OKCentral2016_32
- Track 12 : Shapes_37, Rowdy_37, DustyMartin_37
- Track 13 : Jeeves_31
- Track 14 : Sunhee_30
- Track 15 : 40AC_34
- Track 16 : MyraDee_29
- Track 17 : Kimona_28
- Track 18 : TopsytheTRex_30
- Track 19 : Loser_35
- Track 20 : Bradman_30, Quokka_29, MajorMajor_30
- Track 21 : XianYue_31
- Track 22 : Odin_30
- Track 23 : Pukovnik_33
- Track 24 : BobSwaget_34
- Track 25 : DBQu4n_34
- Track 26 : Jaan_35
- Track 27 : LionsBait_32, HippoHollow_32
- Track 28 : Journey13_29
- Track 29 : Leogania_33
- Track 30 : Adzzy_32
- Track 31 : WeiHuaDA_37
- Track 32 : Trixie_34
- Track 33 : MissWhite_31
- Track 34 : Kerberos_34, StarStuff_34, Duplo_34, Tomathan_34
- Track 35 : L5_31
- Track 36 : Changeling_34
- Track 37 : D32_34, Naji_34, D29_31, Travvers_34

- Track 38 : Heffalump_33
- Track 39 : VC3_34, AN3_31, VA6_31, C3_29, AN9_34
- Track 40 : ArcherNM_34
- Track 41 : ANI8_34
- Track 42 : BiancaTri92_33
- Track 43 : Pomar16_34
- Track 44 : Superchunk_30, Caraxes_30
- Track 45 : Acolyte_31
- Track 46 : Koduck_32
- Track 47 : Bactobuster_33
- Track 48 : Serenity_30
- Track 49 : BabyBack_33
- Track 50 : IronMan_34
- Track 51 : Ph8s_32
- Track 52 : Phaded_35
- Track 53 : GaugeLDP_33
- Track 54 : NothingSpecial_33
- Track 55 : Che12_33
- Track 56 : NicoleTera_35
- Track 57 : Lokk_34
- Track 58 : ForesterFrank_33
- Track 59 : Kalpine_34
- Track 60 : EZMoney23_35
- Track 61 : SwirlSquare_32
- Track 62 : Miko_34
- Track 63 : Jsquared_30
- Track 64 : Prudy_34
- Track 65 : Colin_35
- Track 66 : RedRock_35
- Track 67 : Tristan_33
- Track 68 : Landor_33
- Track 69 : Rachaly_34
- Track 70 : Malec_32
- Track 71 : AnnaL29_35
- Track 72 : Kinmap_32
- Track 73 : Chargerpower_32
- Track 74 : Texage_31, Hookmount_32, EtoileNova_32, Norbert_31, Lambert1_32, Noella_32, Panamaxus_31, Caviar_32, Popcicle_32, Pocahontas_32
- Track 75 : Vix_33, Microwolf_33, Montavir_32, Dieselweasel_33, MuchMore_35, DaHudson_33, Colbster_33, Phoebe_33, Grum1_33, Gwennie_32, JHC117_33, GtownJaz_33, AugsMagnumOpus_35, EpicPhail_33, LBerry_33, Aglet_33, MarQuardt_33, GingkoMaracino_33, Snickers_33, Pembroke_33, Cullens_33, Malinsilva_35, Stagni_33, Penny1_33, Fernando_33, LugYA_35, Lilith_33, Mainiac_33, Watson_33, Lowa_33, Bigflo_33, Wooldri_35, Anubis_35, P28Green_33, Taurus_33, JenCasNa_33, SoYo_33, Grub_33, Beauxregard13_33, MoneyMay_33, Marie_33, Sabinator_33, Hercules11_33, MadMarie_33, StepMih_33, PGHhamlin_35, Croquant_34, PotatoSplit_34, Farber_33, Ollie_33, BreSam8_33, Sabia_33
- Track 76 : Heathen_31, Roimos_31, Fred313_31, Zarafa_31, DropBear_31, Scout_31, Kachowdy_31, HelDan_31, Marchesa_31
- Track 77 : Kalb97_34
- Track 78 : Reba_34, Phranny_34

- Track 79 : Manu_34, Groupthink_34, ClownCar_34, PurpleHaze_33, Marius_34, Pawn_33, Heliosoles_33, Calvinny_34, Gemma_33
- Track 80 : QuinnKiro_31, Veracruz_31, Todacoro_32
- Track 81 : BabyRay_31
- Track 82 : SoilDragon_33
- Track 83 : Soshari_35, Methuselah_32
- Track 84 : Grif_33
- Track 85 : Kalnoky_34, JeppNRM_34
- Track 86 : B1_29
- Track 87 : MA5_31
- Track 88 : Phoxy_33, Bxz2_32, LarryKay_33, Rummer_33, HashRod_34, Louie6_33, BuzzBuzz_32, TinyPebbles_33, Misomonster_35, KADY_34, Daishi_32, AgronaGT15_33
- Track 89 : Tiffany_33
- Track 90 : Margo_32
- Track 91 : TNguyen7_31, Idleandcovert_31, BlueBird_32, Bugatti_31, Clammy_31, Giroux_32, SaturnRing_31, Pistachio_32, Puppy_32
- Track 92 : BabyJohn_30, Chiqui_30
- Track 93 : Jobu08_33
- Track 94 : JF2_31, JF4_31
- Track 95 : ResDef_32
- Track 96 : Spike509_33
- Track 97 : Zetzy_32
- Track 98 : HaveUMetTed_34, ACFishhook_33
- Track 99 : MK4_31
- Track 100 : Isca_31
- Track 101 : Rockstar_31
- Track 102 : PhishRPhriends_32
- Track 103 : OlanP_33
- Track 104 : Phantastic_31
- Track 105 : HamSlice_30, Eapen_31, Relief_31, LappelDuVide_31, TroyPia_31, Pipcraft_31, Citius_31, Lunsford_32
- Track 106 : Morpher26_31, Datway_31, Katalie136_31, AbbysRanger_31, Achebe_30, PetiteSangsue_31, Perplexer_31, Backyardigan_31, Badger_31, Bumblebee11_31, Xena_31, Cici_31
- Track 107 : Stasia_32
- Track 108 : Pumbaa_31
- Track 109 : Bartimeaus_31, Wilbur_31, Ruin_31, TygerBlood_31, SteMason_30, Albee_31, RockieBear_30, JoongJeon_31, Flux_31, Bombshell_31, TiroTheta9_31, Sabertooth_31, KekoraPapaka_30, Millski_30, CentreCat_31, Thanksgivukkah_31, Lemur_31, LittleB_31, Druantia_31, Holli_31, Skipitt_31, Kingmustik0402_31, Romney_31, Roosevelt_31, Phelipe_31, Taquarus_31, Baby16_31, Commander_31, Chaph_31, Peaches_31, Deano_31, JetBlade_31, Connomayer_31, Florean_31, SenorClean_31, Dhanush_31, Wizard007_31, Medusa_31, Melvin_31, Blackmoor_31, Burger_30, Eros_31, Clarenza_31, YoSam321_31
- Track 110 : Bruiser_30, Koreni_30, Avle17_31, Alberto7_32, Nemo27_31, Caelakin_31, Wander_31, Spino_31, Cocoaberry_31, Maverick_31, Phacado_31, Gadost_31, Houdini22_31
- Track 111 : Arturo_30
- Track 112 : Wile_31
- Track 113 : Koan_31
- Track 114 : Stink_32, AvatarAhPeg_32, Miramae_31
- Track 115 : Annyong_31, BubbleTrouble_31, Kye_31, KFPoly_31, MeeZee_31

- Track 116 : Sparxx_31, Maxo_31, Kampsy_31
- Track 117 : LochMonster_31, Phighter1804_31, DirtyDunning_31, Ulysses_30, Iracema64_32
- Track 118 : Mazhar510_31, PeterPeter_31, Lorenzo_31, Shaka_31, Mayonnaise_31, ICleared_31, Sultana_31
- Track 119 : OKaNui_32
- Track 120 : Abdiel_30
- Track 121 : Cintron_31
- Track 122 : Broseidon_31
- Track 123 : SheldonCooper_32, Obama12_32, Eagle_30, LHTSCC_32, BangNhom_31, Cerulean_32
- Track 124 : Tinybot_30, Rosa24_30
- Track 125 : TinaFeyge_31, NorthStar_31
- Track 126 : Kratak_31
- Track 127 : Camperdownii_30
- Track 128 : Cindaradix_30
- Track 129 : Mundrea_31
- Track 130 : Eris_30, Funston_31
- Track 131 : Phontbonne_31
- Track 132 : Noelle_31
- Track 133 : Jaykayelowell_31
- Track 134 : Huxley_31
- Track 135 : Happiness_31
- Track 136 : ChampagnePapi_32
- Track 137 : Scamp_31
- Track 138 : BellusTerra_31, Eurydice_31, Ohfah_31, Nebs_31, Polymorphads_31
- Track 139 : Kremtemulon_31
- Track 140 : Nyxis_31
- Track 141 : Iceman_32
- Track 142 : Shygu2_31
- Track 143 : LeoAvram_31
- Track 144 : LittleGuy_31
- Track 145 : NotAPhaseMom_31
- Track 146 : Morrow_31
- Track 147 : Palestino_30
- Track 148 : Tubs_33, Aliter_33, Ugenie5_30, Halex_32, Fayely_33, Myxus_33, HortumSL17_33, Catalina_34, Lilleskat_31, PackMan_33, Phaeder_33, Scherzo_33
- Track 149 : Yecey3_32
- Track 150 : EmyBug_33, Eidsmoe_33, Conquerage_33, Qobbit_33, Spouty_33, Priya_33, ExplosioNervosa_33
- Track 151 : Maminiaina_32, BogosyJay_32
- Track 152 : LoneWolf_32
- Track 153 : Rahalelujah_30, CogOmlette_29, Bellris_29, Minispark_29, WorldCup_29
- Track 154 : Hanray_32, Phonnegut_33, Beemo_33, Jiawan_32, Pioneer_33, RyeScarlet_34, Onglai_32
- Track 155 : Ayanochan_34
- Track 156 : Toaka_30
- Track 157 : EdogawaKiddo_31
- Track 158 : Darrell_33
- Track 159 : Alma_33
- Track 160 : MegTheThird_31, Celestiallunch_31
- Track 161 : Klodlith_31

- Track 162 : Elephantoon_32
- Track 163 : SheaKeira_31
- Track 164 : Charm_31
- Track 165 : DreamTeam1_31
- Track 166 : Sachima_31

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

The start number called the most often in the published annotations is 12, it was called in 161 of the 360 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbysRanger_31, Abdiel_30, Achebe_30, Albee_31, Alberto7_32, Annyong_31, Arturo_30, AvatarAhPeg_32, Avle17_31, Baby16_31, Backyardigan_31, Bactobuster_33, Badger_31, BangNhom_31, Bartimeaus_31, BellusTerra_31, BiancaTri92_33, Blackmoor_31, Bombshell_31, Broseidon_31, Bruiser_30, BubbleTrouble_31, Bumblebee11_31, Burger_30, Caelakin_31, Camperdownii_30, CentreCat_31, Cerulean_32, ChampagnePapi_32, Chaph_31, Chupacabra_32, Cici_31, Cindaradix_30, Cintron_31, Citius_31, Clarenza_31, Cocoaberry_31, Commander_31, Connomayer_31, Datway_31, Deano_31, Dhanush_31, DirtyDunning_31, DontArgue_31, Druantia_31, DustyMartin_37, Eagle_30, Eaglepride_34, Eapen_31, Edison31_33, Eris_30, Eros_31, Eurydice_31, Floean_31, Flux_31, Funston_31, Gadost_31, Goose_32, HamSlice_30, Happiness_31, Holli_31, Houdini22_31, Huxley_31, ICleared_31, Iceman_32, Iracema64_32, Jaan_35, Jaykayelowell_31, JetBlade_31, JoongJeon_31, KFPoly_31, Kampy_31, Katalie136_31, KekoraPapaka_30, Kimona_28, Kingmustik0402_31, Koan_31, Koreni_30, Kratark_31, Kremtemulon_31, Kristoff_34, Kyee_31, LHTSCC_32, Landor_33, LappelDuVide_31, Lemur_31, LeoAvram_31, Leogania_33, LittleB_31, LittleGuy_31, LochMonster_31, Lorenzo_31, Lunsford_32, Maverick_31, Maxo_31, Mayonnaise_31, Mazhar510_31, Medusa_31, MeeZee_31, Melvin_31, Millski_30, Miramae_31, Morpher26_31, Morrow_31, Mundrea_31, MyraDee_29, Nebs_31, Nemo27_31, Noelle_31, NorthStar_31, NotAPhaseMom_31, Nyxis_31, OKCentral2016_32, OKaNui_32, Obama12_32, Ohfah_31, Palestino_30, Peaches_31, Perplexer_31, PeterPeter_31, PetiteSangsue_31, Phacado_31, Phaded_35, Phelipe_31, Phighter1804_31, Phontbonne_31, Pipcraft_31, Polymorphads_31, Pumbaa_31, Rebeuca_34, Relief_31, RhynO_34, RockieBear_30, Romney_31, Roosevelt_31, Rosa24_30, Rowdy_37, Ruin_31, Sabertooth_31, Scamp_31, SeniorClean_31, Shaka_31, Shapes_37, SheldonCooper_32, Shygu2_31, Skipitt_31, Sparxx_31, Spino_31, Stasia_32, SteMason_30, Stink_32, Sultana_31, Taquarus_31, Thanksgivukkah_31, TinaFeyge_31, Tinybot_30, TiroTheta9_31, Topanga_33, Tristan_33, TroyPia_31, Twister_33, TygerBlood_31, Ulysses_30, WalterMcMickey_33, Wander_31, Wilbur_31, Wile_31, Wizard007_31, Xena_31, YoSam321_31,

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

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

- 40AC_34, ACFishhook_33, AN3_31, AN9_34, ANI8_34, Acolyte_31, Adzzy_32, Aglet_33, AgronaGT15_33, Aliter_33, Alma_33, AnnaL29_35, Anubis_35,

ArcherNM_34, AugsMagnumOpus_35, Ayanochan_34, B1_29, BabyBack_33, BabyJohn_30, BabyRay_31, Beauxregard13_33, Beemo_33, Bellris_29, Bigflo_33, BlueBird_32, BobSwaget_34, BogosyJay_32, Bradman_30, BreSam8_33, Bugatti_31, BuzzBuzz_32, Bxz2_32, C3_29, Calvinny_34, Caraxes_30, Catalina_34, Caviar_32, Celestiallunch_31, Changeling_34, Chargerpower_32, Charm_31, Che12_33, Chiqui_30, Clammy_31, ClownCar_34, CogOmlette_29, Colbster_33, Colin_35, Conquerage_33, Croquant_34, Cullens_33, D29_31, D32_34, DBQu4n_34, DaHudson_33, Daishi_32, Darrell_33, Dieselweasel_33, DreamTeam1_31, DropBear_31, Duplo_34, EZMoney23_35, EdogawaKiddo_31, Eidsmoe_33, Elephantoon_32, EmyBug_33, EpicPhail_33, EtoileNova_32, ExplosioNervosa_33, Farber_33, Fayely_33, Fernando_33, ForesterFrank_33, Fred313_31, GaugeLDP_33, Gemma_33, GingkoMaracino_33, Giroux_32, Grif_33, Groupthink_34, Grub_33, Grum1_33, GtownJaz_33, Gwennie_32, Hanray_32, HashRod_34, HaveUMetTed_34, Heathen_31, Heffalump_33, HelDan_31, Heliosoles_33, Hercules11_33, HippoHollow_32, Horex_32, Hookmount_32, HortumSL17_33, Idleandcovert_31, IronMan_34, Isca_31, JF2_31, JF4_31, JHC117_33, Jeeves_31, JenCasNa_33, JeppNRM_34, Jiawan_32, Jobu08_33, Journey13_29, Jsquared_30, KADY_34, Kachowdy_31, Kalb97_34, Kalnoky_34, Kalpine_34, Kerberos_34, Kinmap_32, Klodlith_31, Koduck_32, L5_31, LBerry_33, Lambert1_32, LarryKay_33, Lilith_33, Lilleskat_31, LionsBait_32, Lokk_34, LoneWolf_32, Loser_35, Louie6_33, Iowa_33, LugYA_35, MA5_31, MK4_31, MadMarie_33, Mainiac_33, MajorMajor_30, Malec_32, Malinsilva_35, Maminiaina_32, Manu_34, MarQuardt_33, Marchesa_31, Margo_32, Marie_33, Marius_34, MegTheThird_31, Methuselah_32, Microwolf_33, Miko_34, Minispark_29, Misomonster_35, MissWhite_31, MoneyMay_33, Montavir_32, MuchMore_35, Myxus_33, Naji_34, NicoleTera_35, Noella_32, Norbert_31, NothingSpecial_33, Odin_30, OlanP_33, Ollie_33, Onglai_32, P28Green_33, PGHhamlin_35, PackMan_33, Panamaxus_31, Pawn_33, Pembroke_33, Penny1_33, Ph8s_32, Phaeder_33, Phantastic_31, PhishRPhriends_32, Phoebe_33, Phonnegut_33, Phoxy_33, Phranny_34, Pioneer_33, Pistachio_32, Pocahontas_32, Pomar16_34, Popcicle_32, PotatoSplit_34, Priya_33, Prudy_34, Pukovnik_33, Puppy_32, PurpleHaze_33, Qobbit_33, QuinnKiro_31, Quokka_29, Rachaly_34, Rahalelujah_30, Reba_34, RedRock_35, ResDef_32, Rockstar_31, Roimos_31, Rummer_33, RyeScarlet_34, Sabia_33, Sabinator_33, Sachima_31, SaturnRing_31, Scherzo_33, Scout_31, Serenity_30, SheaKeira_31, Snickers_33, SoYo_33, SoilDragon_33, Soshari_35, Spike509_33, Spouty_33, Stagni_33, StarStuff_34, StepMih_33, Sunhee_30, Superchunk_30, SwirlSquare_32, TNguyen7_31, Taurus_33, Texage_31, Tiffany_33, TinyPebbles_33, TipsytheTRex_30, Toaka_30, Todacoro_32, Tomathan_34, Travvers_34, Trixie_34, Tubs_33, Ugenie5_30, VA6_31, VC3_34, Veracruz_31, Vix_33, Watson_33, WeiHuaDA_37, Wooldri_35, WorldCup_29, XianYue_31, Yecy3_32, Zarafa_31, Zetzy_32,

Summary by start number:

Start 2:

- Found in 2 of 418 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jeeves_31 (A14), Kinmap_32 (A21),

Start 3:

- Found in 1 of 418 (0.2%) of genes in pham
- No Manual Annotations of this start.

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sunhee_30 (A14),

Start 10:

- Found in 1 of 418 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phantastic_31 (A3),

Start 11:

- Found in 133 of 418 (31.8%) of genes in pham
- Manual Annotations of this start: 115 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ACFishhook_33 (A3), Aglet_33 (A3), AgronaGT15_33 (A3), Anubis_35 (A3), AugsMagnumOpus_35 (A3), B1_29 (A3), BabyJohn_30 (A3), BabyRay_31 (A3), Beauxregard13_33 (A3), Bigflo_33 (A3), BlueBird_32 (A3), BreSam8_33 (A3), Bugatti_31 (A3), BuzzBuzz_32 (A3), Bxz2_32 (A3), Calvinny_34 (A3), Caviar_32 (A3), Chiqui_30 (A3), Clammy_31 (A3), ClownCar_34 (A3), Colbster_33 (A3), Croquant_34 (A3), Cullens_33 (A3), DaHudson_33 (A3), Daishi_32 (A3), Dieselweasel_33 (A3), DropBear_31 (A3), EpicPhail_33 (A3), EtoileNova_32 (A3), Farber_33 (A3), Fernando_33 (A3), Fred313_31 (A3), Gemma_33 (A3), GingkoMaracino_33 (A3), Giroux_32 (A3), Grif_33 (A3), Groupthink_34 (A3), Grub_33 (A3), Grum1_33 (A3), GtownJaz_33 (A3), Gwennie_32 (A3), HashRod_34 (A3), HaveUMetTed_34 (A3), Heathen_31 (A3), HelDan_31 (A3), Heliosoles_33 (A3), Hercules11_33 (A3), Hookmount_32 (A3), Idleandcovert_31 (A3), Isca_31 (A3), JF2_31 (A3), JF4_31 (A3), JHC117_33 (A3), JenCasNa_33 (A3), JeppNRM_34 (A3), Jobu08_33 (A3), KADY_34 (A3), Kachowdy_31 (A3), Kalb97_34 (A3), Kalnoky_34 (A3), LBerry_33 (A3), Lambert1_32 (A3), LarryKay_33 (A3), Lilith_33 (A3), Louie6_33 (A3), Iowa_33 (A3), LugYA_35 (A3), MA5_31 (A3), MK4_31 (A3), MadMarie_33 (A3), Mainiac_33 (A3), Malinsilva_35 (A3), Manu_34 (A3), MarQuardt_33 (A3), Marchesa_31 (A3), Margo_32 (A3), Marie_33 (A3), Marius_34 (A3), Methuselah_32 (A3), Microwolf_33 (A3), Misomonster_35 (A3), MoneyMay_33 (A3), Montavir_32 (A3), MuchMore_35 (A3), Noella_32 (A3), Norbert_31 (A3), OlanP_33 (A3), Ollie_33 (A3), P28Green_33 (A3), PGHhamlin_35 (A3), Panamaxus_31 (A3), Pawn_33 (A3), Pembroke_33 (A3), Penny1_33 (A3), PhishRPhriends_32 (A3), Phoebe_33 (A3), Phoxy_33 (A3), Phranny_34 (A3), Pistachio_32 (A3), Pocahontas_32 (A3), Popcicle_32 (A3), PotatoSplit_34 (A3), Puppy_32 (A3), PurpleHaze_33 (A3), QuinnKiro_31 (A3), Reba_34 (A3), ResDef_32 (A3), Rockstar_31 (A3), Roimos_31 (A3), Rummer_33 (A3), Sabia_33 (A3), Sabinator_33 (A3), SaturnRing_31 (A3), Scout_31 (A3), Snickers_33 (A3), SoYo_33 (A3), SoilDragon_33 (A3), Soshari_35 (A3), Spike509_33 (A3), Stagni_33 (A3), StepMih_33 (A3), TNguyen7_31 (A3), Taurus_33 (A3), Texage_31 (A3), Tiffany_33 (A3), TinyPebbles_33 (A3), Todacoro_32 (A3), Veracruz_31 (A3), Vix_33 (A3), Watson_33 (A3), Wooldri_35 (A3), Zarafa_31 (A3), Zetzy_32 (A3),

Start 12:

- Found in 170 of 418 (40.7%) of genes in pham
- Manual Annotations of this start: 161 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbysRanger_31 (A4), Abdiel_30 (A4), Achebe_30 (A4), Albee_31 (A4), Alberto7_32 (A4), Annyong_31 (A4), Arturo_30 (A4), AvatarAhPeg_32 (A4), Avle17_31 (A4), Baby16_31 (A4), Backyardigan_31 (A4),

Bactobuster_33 (A2), Badger_31 (A4), BangNhom_31 (A4), Bartimeaus_31 (A4), BellusTerra_31 (A4), BiancaTri92_33 (A2), Blackmoor_31 (A4), Bombshell_31 (A4), Broseidon_31 (A4), Bruiser_30 (A4), BubbleTrouble_31 (A4), Bumblebee11_31 (A4), Burger_30 (A4), Caelakin_31 (A4), Camperdownii_30 (A4), CentreCat_31 (A4), Cerulean_32 (A4), ChampagnePapi_32 (A4), Chaph_31 (A4), Chupacabra_32 (A10), Cici_31 (A4), Cindaradix_30 (A4), Cintron_31 (A4), Citius_31 (A4), Clarenza_31 (A4), Cocoaberry_31 (A4), Commander_31 (A4), Connomayer_31 (A4), Datway_31 (A4), Deano_31 (A4), Dhanush_31 (A4), DirtyDunning_31 (A4), DontArgue_31 (A10), Druantia_31 (A4), DustyMartin_37 (A10), Eagle_30 (A4), Eaglepride_34 (A10), Eapen_31 (A4), Edison31_33 (A10), Eris_30 (A4), Eros_31 (A4), Eurydice_31 (A4), Florean_31 (A4), Flux_31 (A4), Funston_31 (A4), Gadost_31 (A4), Goose_32 (A10), HamSlice_30 (A4), Happiness_31 (A4), Holli_31 (A4), Houdini22_31 (A4), Huxley_31 (A4), ICleared_31 (A4), Iceman_32 (A4), Iracema64_32 (A4), Jaan_35 (A2), Jaykayelowell_31 (A4), JetBlade_31 (A4), JoongJeon_31 (A4), KFFPoly_31 (A4), Kamy_31 (A4), Katalie136_31 (A4), KekoraPapaka_30 (A4), Kimona_28 (A19), Kingmustik0402_31 (A4), Koan_31 (A4), Koreni_30 (A4), Kratark_31 (A4), Kremtemulon_31 (A4), Kristoff_34 (A10), Kyee_31 (A4), LHTSCC_32 (A4), Landor_33 (A2), LappelDuVide_31 (A4), Lemur_31 (A4), LeoAvram_31 (A4), Leogania_33 (A2), LittleB_31 (A4), LittleGuy_31 (A4), LochMonster_31 (A4), Lorenzo_31 (A4), Lunsford_32 (A4), Maverick_31 (A4), Maxo_31 (A4), Mayonnaise_31 (A4), Mazhar510_31 (A4), Medusa_31 (A4), MeeZee_31 (A4), Melvin_31 (A4), Millski_30 (A4), Miramae_31 (A4), Morpher26_31 (A4), Morrow_31 (A4), Mundrea_31 (A4), MyraDee_29 (A18), Nebs_31 (A4), Nemo27_31 (A4), Noelle_31 (A4), NorthStar_31 (A4), NotAPhaseMom_31 (A4), Nyxis_31 (A4), OKCentral2016_32 (A10), OKaNui_32 (A4), Obama12_32 (A4), Ohfah_31 (A4), Palestino_30 (A4), Peaches_31 (A4), Perplexer_31 (A4), PeterPeter_31 (A4), PetiteSangsue_31 (A4), Phacado_31 (A4), Phaded_35 (A2), Felipe_31 (A4), Phighter1804_31 (A4), Phontbonne_31 (A4), Pipcraft_31 (A4), Polymorphads_31 (A4), Pumbaa_31 (A4), Rebeuca_34 (A10), Relief_31 (A4), RhynO_34 (A10), RockieBear_30 (A4), Romney_31 (A4), Roosevelt_31 (A4), Rosa24_30 (A4), Rowdy_37 (A10), Ruin_31 (A4), Sabertooth_31 (A4), Scamp_31 (A4), SenorClean_31 (A4), Shaka_31 (A4), Shapes_37 (A10), SheldonCooper_32 (A4), Shygu2_31 (A4), Skipitt_31 (A4), Sparxx_31 (A4), Spino_31 (A4), Stasia_32 (A4), SteMason_30 (A4), Stink_32 (A4), Sultana_31 (A4), Taquarus_31 (A4), Thanksgivukkah_31 (A4), TinaFeyge_31 (A4), Tinybot_30 (A4), TiroTheta9_31 (A4), Topanga_33 (A10), Tristan_33 (A2), TroyPia_31 (A4), Twister_33 (A10), TygerBlood_31 (A4), Ulysses_30 (A4), WalterMcMickey_33 (A10), Wander_31 (A4), Wilbur_31 (A4), Wile_31 (A4), Wizard007_31 (A4), Xena_31 (A4), YoSam321_31 (A4),

Start 14:

- Found in 35 of 418 (8.4%) of genes in pham
- Manual Annotations of this start: 26 of 360
- Called 94.3% of time when present
- Phage (with cluster) where this start called: Aliter_33 (A9), Alma_33 (A9), Ayanochan_34 (A9), Beemo_33 (A9), BogosyJay_32 (A9), Catalina_34 (A9), Conquerage_33 (A9), Darrell_33 (A9), Eidsmoe_33 (A9), Elephantoon_32 (A9), EmyBug_33 (A9), ExplosioNervosa_33 (A9), Fayely_33 (A9), Hanray_32 (A9), Horex_32 (A9), HortumSL17_33 (A9), Jiawan_32 (A9), Lilleskat_31 (A9), LoneWolf_32 (A9), Maminiaina_32 (A9), Myxus_33 (A9), Onglai_32 (A9), PackMan_33 (A9), Phaeder_33 (A9), Phonnegut_33 (A9), Pioneer_33 (A9), Priya_33 (A9), Qobbit_33 (A9), RyeScarlet_34 (A9), Scherzo_33 (A9), Spouty_33 (A9), Tubs_33 (A9), Ugenie5_30 (A9),

Start 15:

- Found in 25 of 418 (6.0%) of genes in pham
- Manual Annotations of this start: 5 of 360
- Called 28.0% of time when present
- Phage (with cluster) where this start called: ANI8_34 (A2), Colin_35 (A2), Kalpine_34 (A2), Trixie_34 (A2), WeiHuaDA_37 (A2), XianYue_31 (A2), Yecy3_32 (A9),

Start 16:

- Found in 2 of 418 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acolyte_31 (A2), TipsytheTRex_30 (A2),

Start 17:

- Found in 20 of 418 (4.8%) of genes in pham
- Manual Annotations of this start: 11 of 360
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bellris_29 (A9), BobSwaget_34 (A2), Celestialunch_31 (A9), Charm_31 (A9), CogOmlette_29 (A9), DreamTeam1_31 (A9), HippoHollow_32 (A2), Klodlith_31 (A9), LionsBait_32 (A2), Lokk_34 (A2), Malec_32 (A2), MegTheThird_31 (A9), Miko_34 (A2), Minispark_29 (A9), NicoleTera_35 (A2), Rachaly_34 (A2), Rahalelujah_30 (A9), SheaKeira_31 (A9), Toaka_30 (A9), WorldCup_29 (A9),

Start 18:

- Found in 47 of 418 (11.2%) of genes in pham
- Manual Annotations of this start: 37 of 360
- Called 97.9% of time when present
- Phage (with cluster) where this start called: 40AC_34 (A17), AN3_31 (A2), AN9_34 (A2), Adzzy_32 (A2), AnnaL29_35 (A2), ArcherNM_34 (A2), BabyBack_33 (A2), Bradman_30 (A2), C3_29 (A2), Caraxes_30 (A2), Changeling_34 (A2), Che12_33 (A2), D29_31 (A2), D32_34 (A2), DBQu4n_34 (A2), Duplo_34 (A2), EZMoney23_35 (A2), ForesterFrank_33 (A2), GaugeLDP_33 (A2), Heffalump_33 (A2), IronMan_34 (A2), Journey13_29 (A2), Jsquared_30 (A2), Kerberos_34 (A2), Koduck_32 (A2), L5_31 (A2), Loser_35 (A2), MajorMajor_30 (A2), MissWhite_31 (A2), Naji_34 (A2), NothingSpecial_33 (A2), Odin_30 (A2), Ph8s_32 (A2), Pomar16_34 (A2), Prudy_34 (A2), Pukovnik_33 (A2), Quokka_29 (A2), RedRock_35 (A2), Serenity_30 (A2), StarStuff_34 (A2), Superchunk_30 (A2), SwirlSquare_32 (A2), Tomathan_34 (A2), Travvers_34 (A2), VA6_31 (A2), VC3_34 (A2),

Start 19:

- Found in 29 of 418 (6.9%) of genes in pham
- No Manual Annotations of this start.
- Called 6.9% of time when present
- Phage (with cluster) where this start called: EdogawaKiddo_31 (A9), Sachima_31 (A9),

Start 41:

- Found in 2 of 418 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 360
- Called 50.0% of time when present

- Phage (with cluster) where this start called: Chargerpower_32 (A22),

Summary by clusters:

There are 11 clusters represented in this pham: A21, A22, A10, A14, A19, A18, A3, A2, A4, A9, A17,

Info for manual annotations of cluster A10:

- Start number 12 was manually annotated 11 times for cluster A10.

Info for manual annotations of cluster A14:

- Start number 2 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A18:

- Start number 12 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 12 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 12 was manually annotated 7 times for cluster A2.
- Start number 15 was manually annotated 4 times for cluster A2.
- Start number 16 was manually annotated 2 times for cluster A2.
- Start number 17 was manually annotated 6 times for cluster A2.
- Start number 18 was manually annotated 37 times for cluster A2.

Info for manual annotations of cluster A22:

- Start number 41 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 10 was manually annotated 1 time for cluster A3.
- Start number 11 was manually annotated 115 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 12 was manually annotated 141 times for cluster A4.

Info for manual annotations of cluster A9:

- Start number 14 was manually annotated 26 times for cluster A9.
- Start number 15 was manually annotated 1 time for cluster A9.
- Start number 17 was manually annotated 5 times for cluster A9.

Gene Information:

Gene: 40AC_34 Start: 24978, Stop: 26762, Start Num: 18

Candidate Starts for 40AC_34:

(Start: 18 @24978 has 37 MA's), (23, 24999), (36, 25098), (37, 25104), (43, 25131), (51, 25167), (56, 25188), (62, 25224), (64, 25236), (66, 25248), (87, 25350), (102, 25371), (122, 25425), (124, 25437), (135, 25503), (156, 25593), (160, 25611), (164, 25635), (184, 25770), (195, 25836), (199, 25875), (215, 25965), (225, 26022), (239, 26088), (249, 26145), (278, 26307), (309, 26445), (317, 26469),

(337, 26547), (340, 26559), (360, 26622), (367, 26640), (398, 26745),

Gene: ACFishhook_33 Start: 23442, Stop: 25250, Start Num: 11

Candidate Starts for ACFishhook_33:

(Start: 11 @23442 has 115 MA's), (34, 23577), (48, 23643), (57, 23688), (58, 23691), (87, 23838), (106, 23883), (122, 23913), (156, 24081), (160, 24099), (164, 24123), (187, 24285), (195, 24324), (199, 24363), (215, 24453), (247, 24615), (250, 24636), (267, 24723), (275, 24780), (278, 24795), (291, 24858), (309, 24933), (316, 24954), (340, 25047), (353, 25086), (367, 25128), (396, 25227),

Gene: AN3_31 Start: 22715, Stop: 24571, Start Num: 18

Candidate Starts for AN3_31:

(Start: 15 @22709 has 5 MA's), (Start: 18 @22715 has 37 MA's), (36, 22835), (56, 22925), (66, 22985), (68, 23009), (75, 23036), (104, 23129), (110, 23153), (111, 23159), (132, 23261), (204, 23666), (218, 23735), (253, 23903), (268, 23990), (283, 24086), (319, 24236), (353, 24350), (375, 24419), (380, 24443), (389, 24473), (394, 24488),

Gene: AN9_34 Start: 22703, Stop: 24556, Start Num: 18

Candidate Starts for AN9_34:

(Start: 15 @22697 has 5 MA's), (Start: 18 @22703 has 37 MA's), (36, 22823), (56, 22913), (66, 22973), (68, 22997), (75, 23024), (104, 23117), (110, 23141), (111, 23147), (132, 23249), (204, 23654), (218, 23723), (253, 23891), (268, 23978), (283, 24074), (319, 24221), (353, 24335), (375, 24404), (380, 24428), (389, 24458), (394, 24473),

Gene: ANI8_34 Start: 22697, Stop: 24556, Start Num: 15

Candidate Starts for ANI8_34:

(Start: 15 @22697 has 5 MA's), (Start: 18 @22703 has 37 MA's), (36, 22823), (56, 22913), (66, 22973), (68, 22997), (75, 23024), (104, 23117), (110, 23141), (111, 23147), (132, 23249), (204, 23654), (218, 23723), (253, 23891), (268, 23978), (283, 24074), (319, 24221), (353, 24335), (375, 24404), (380, 24428), (389, 24458), (394, 24473),

Gene: AbbysRanger_31 Start: 22986, Stop: 24845, Start Num: 12

Candidate Starts for AbbysRanger_31:

(7, 22926), (Start: 12 @22986 has 161 MA's), (26, 23052), (30, 23097), (32, 23103), (39, 23136), (43, 23154), (53, 23199), (55, 23205), (56, 23211), (71, 23304), (74, 23319), (98, 23391), (115, 23451), (124, 23502), (125, 23514), (143, 23592), (157, 23661), (176, 23784), (181, 23808), (194, 23889), (199, 23934), (200, 23943), (201, 23946), (223, 24075), (225, 24084), (235, 24126), (239, 24153), (245, 24189), (249, 24216), (253, 24228), (277, 24384), (318, 24558), (320, 24564), (330, 24609), (349, 24660), (350, 24663), (359, 24699), (373, 24735),

Gene: Abdiel_30 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for Abdiel_30:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (260, 24241), (318, 24526), (320, 24532), (330, 24577), (340, 24610), (349, 24628), (350, 24631), (359, 24667), (373, 24703),

Gene: Achebe_30 Start: 22969, Stop: 24828, Start Num: 12

Candidate Starts for Achebe_30:

(7, 22909), (Start: 12 @22969 has 161 MA's), (26, 23035), (30, 23080), (32, 23086), (39, 23119), (43, 23137), (53, 23182), (55, 23188), (56, 23194), (71, 23287), (74, 23302), (98, 23374), (115, 23434), (124, 23485), (125, 23497), (143, 23575), (157, 23644), (176, 23767), (181, 23791), (194, 23872), (199, 23917), (200, 23926), (201, 23929), (223, 24058), (225, 24067), (235, 24109), (239, 24136),

(245, 24172), (249, 24199), (253, 24211), (277, 24367), (318, 24541), (320, 24547), (330, 24592), (349, 24643), (350, 24646), (359, 24682), (373, 24718),

Gene: Acolyte_31 Start: 23339, Stop: 25057, Start Num: 16

Candidate Starts for Acolyte_31:

(Start: 16 @23339 has 2 MA's), (23, 23363), (37, 23468), (57, 23564), (64, 23600), (66, 23612), (69, 23639), (70, 23642), (80, 23687), (88, 23717), (110, 23768), (124, 23822), (166, 24026), (204, 24263), (244, 24461), (268, 24584), (283, 24680), (346, 24908), (356, 24941),

Gene: Adzzy_32 Start: 21442, Stop: 23085, Start Num: 18

Candidate Starts for Adzzy_32:

(Start: 18 @21442 has 37 MA's), (34, 21553), (42, 21589), (64, 21700), (66, 21712), (110, 21880), (111, 21886), (166, 22150), (169, 22174), (172, 22201), (192, 22288), (204, 22372), (206, 22378), (208, 22384), (213, 22414), (227, 22498), (232, 22519), (262, 22672), (269, 22711), (283, 22798), (300, 22870), (324, 22957), (328, 22966), (341, 23014),

Gene: Aglet_33 Start: 23278, Stop: 25035, Start Num: 11

Candidate Starts for Aglet_33:

(Start: 11 @23278 has 115 MA's), (34, 23413), (48, 23479), (57, 23524), (64, 23560), (98, 23692), (109, 23728), (128, 23749), (141, 23806), (154, 23866), (167, 23920), (173, 23980), (193, 24100), (194, 24103), (203, 24172), (209, 24196), (225, 24289), (230, 24310), (239, 24355), (303, 24685), (320, 24754), (337, 24817), (390, 24988),

Gene: AgronaGT15_33 Start: 23185, Stop: 24936, Start Num: 11

Candidate Starts for AgronaGT15_33:

(Start: 11 @23185 has 115 MA's), (34, 23320), (48, 23386), (57, 23431), (64, 23467), (86, 23578), (98, 23599), (109, 23635), (128, 23656), (154, 23773), (177, 23911), (193, 24007), (194, 24010), (203, 24079), (209, 24103), (216, 24148), (225, 24196), (239, 24262), (271, 24433), (273, 24439), (279, 24490), (288, 24535), (297, 24565), (308, 24613), (320, 24655), (325, 24670), (326, 24673), (330, 24697), (362, 24799), (363, 24802), (371, 24826),

Gene: Albee_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Albee_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Alberto7_32 Start: 23262, Stop: 25118, Start Num: 12

Candidate Starts for Alberto7_32:

(Start: 12 @23262 has 161 MA's), (34, 23388), (39, 23412), (61, 23517), (62, 23523), (68, 23571), (71, 23580), (80, 23622), (98, 23667), (103, 23673), (124, 23778), (125, 23790), (143, 23868), (157, 23937), (194, 24165), (196, 24189), (197, 24192), (200, 24219), (201, 24222), (220, 24327), (223, 24348), (225, 24357), (245, 24462), (253, 24501), (260, 24546), (286, 24708), (288, 24714), (318, 24831), (320, 24837), (330, 24882), (349, 24933), (350, 24936), (369, 24999), (373, 25008), (396, 25095),

Gene: Aliter_33 Start: 24305, Stop: 26071, Start Num: 14

Candidate Starts for Aliter_33:

(Start: 14 @24305 has 26 MA's), (19, 24317), (48, 24491), (66, 24581), (77, 24626), (79, 24635), (109, 24713), (123, 24737), (129, 24773), (156, 24902), (160, 24920), (195, 25145), (197, 25166), (199, 25184), (215, 25274), (225, 25331), (249, 25454), (274, 25577), (278, 25616), (288, 25673), (309,

25754), (316, 25775), (317, 25778), (340, 25868), (378, 25979), (398, 26054),

Gene: Alma_33 Start: 24420, Stop: 26186, Start Num: 14

Candidate Starts for Alma_33:

(Start: 14 @24420 has 26 MA's), (48, 24606), (66, 24696), (77, 24741), (79, 24750), (123, 24852), (129, 24888), (156, 25017), (160, 25035), (195, 25260), (197, 25281), (199, 25299), (215, 25389), (225, 25446), (249, 25569), (274, 25692), (275, 25716), (278, 25731), (309, 25869), (316, 25890), (317, 25893), (318, 25899), (340, 25983), (389, 26133), (398, 26169),

Gene: AnnaL29_35 Start: 25114, Stop: 26892, Start Num: 18

Candidate Starts for AnnaL29_35:

(Start: 18 @25114 has 37 MA's), (34, 25225), (36, 25234), (56, 25321), (62, 25357), (64, 25369), (66, 25381), (106, 25528), (109, 25537), (122, 25558), (124, 25570), (156, 25726), (160, 25744), (180, 25876), (195, 25969), (199, 26008), (210, 26065), (215, 26098), (225, 26155), (237, 26209), (249, 26278), (274, 26401), (278, 26440), (284, 26470), (309, 26575), (316, 26596), (317, 26599), (340, 26689), (367, 26770), (386, 26830),

Gene: Annyong_31 Start: 22961, Stop: 24817, Start Num: 12

Candidate Starts for Annyong_31:

(Start: 12 @22961 has 161 MA's), (34, 23087), (39, 23111), (61, 23216), (62, 23222), (68, 23270), (71, 23279), (80, 23321), (98, 23366), (103, 23372), (124, 23477), (125, 23489), (143, 23567), (157, 23636), (194, 23864), (196, 23888), (197, 23891), (200, 23918), (201, 23921), (220, 24026), (223, 24047), (225, 24056), (245, 24161), (253, 24200), (260, 24245), (288, 24413), (318, 24530), (320, 24536), (330, 24581), (349, 24632), (350, 24635), (369, 24698), (373, 24707), (396, 24794),

Gene: Anubis_35 Start: 23163, Stop: 24920, Start Num: 11

Candidate Starts for Anubis_35:

(Start: 11 @23163 has 115 MA's), (34, 23298), (48, 23364), (57, 23409), (64, 23445), (98, 23577), (109, 23613), (128, 23634), (141, 23691), (154, 23751), (167, 23805), (173, 23865), (193, 23985), (194, 23988), (203, 24057), (209, 24081), (225, 24174), (230, 24195), (239, 24240), (303, 24570), (320, 24639), (337, 24702), (390, 24873),

Gene: ArcherNM_34 Start: 25064, Stop: 26842, Start Num: 18

Candidate Starts for ArcherNM_34:

(Start: 18 @25064 has 37 MA's), (23, 25085), (34, 25175), (36, 25184), (56, 25271), (62, 25307), (64, 25319), (66, 25331), (109, 25487), (122, 25508), (124, 25520), (135, 25586), (156, 25676), (160, 25694), (164, 25718), (186, 25862), (195, 25919), (199, 25958), (210, 26015), (215, 26048), (225, 26105), (237, 26159), (249, 26228), (274, 26351), (275, 26375), (278, 26390), (309, 26525), (316, 26546), (340, 26639), (367, 26720), (386, 26780), (398, 26825),

Gene: Arturo_30 Start: 23069, Stop: 24925, Start Num: 12

Candidate Starts for Arturo_30:

(Start: 12 @23069 has 161 MA's), (34, 23195), (39, 23219), (61, 23324), (62, 23330), (68, 23378), (71, 23387), (80, 23429), (98, 23474), (103, 23480), (124, 23585), (125, 23597), (138, 23660), (143, 23675), (157, 23744), (194, 23972), (196, 23996), (197, 23999), (200, 24026), (201, 24029), (220, 24134), (223, 24155), (225, 24164), (245, 24269), (253, 24308), (260, 24353), (275, 24452), (318, 24638), (320, 24644), (330, 24689), (349, 24740), (350, 24743), (369, 24806), (373, 24815), (396, 24902),

Gene: AugsMagnumOpus_35 Start: 23269, Stop: 25026, Start Num: 11

Candidate Starts for AugsMagnumOpus_35:

(Start: 11 @23269 has 115 MA's), (34, 23404), (48, 23470), (57, 23515), (64, 23551), (98, 23683), (109, 23719), (128, 23740), (141, 23797), (154, 23857), (167, 23911), (173, 23971), (193, 24091),

(194, 24094), (203, 24163), (209, 24187), (225, 24280), (230, 24301), (239, 24346), (303, 24676), (320, 24745), (337, 24808), (390, 24979),

Gene: AvatarAhPeg_32 Start: 23239, Stop: 25098, Start Num: 12

Candidate Starts for AvatarAhPeg_32:

(Start: 12 @23239 has 161 MA's), (26, 23305), (39, 23389), (43, 23407), (53, 23452), (62, 23500), (71, 23557), (80, 23599), (103, 23650), (106, 23671), (115, 23704), (124, 23755), (125, 23767), (135, 23821), (143, 23845), (157, 23914), (194, 24142), (197, 24169), (200, 24196), (201, 24199), (220, 24307), (223, 24328), (225, 24337), (239, 24406), (245, 24442), (253, 24481), (266, 24550), (286, 24688), (318, 24811), (320, 24817), (369, 24979), (373, 24988),

Gene: Avle17_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Avle17_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (286, 24406), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Ayanochan_34 Start: 24410, Stop: 26176, Start Num: 14

Candidate Starts for Ayanochan_34:

(Start: 14 @24410 has 26 MA's), (48, 24596), (66, 24686), (77, 24731), (79, 24740), (109, 24818), (123, 24842), (129, 24878), (156, 25007), (160, 25025), (195, 25250), (197, 25271), (199, 25289), (215, 25379), (225, 25436), (249, 25559), (274, 25682), (278, 25721), (288, 25778), (309, 25859), (316, 25880), (317, 25883), (335, 25958), (340, 25973), (378, 26084), (398, 26159),

Gene: B1_29 Start: 22527, Stop: 24386, Start Num: 11

Candidate Starts for B1_29:

(Start: 11 @22527 has 115 MA's), (32, 22653), (36, 22671), (39, 22686), (48, 22728), (61, 22791), (102, 22944), (103, 22947), (106, 22968), (114, 22995), (126, 23070), (137, 23121), (156, 23208), (164, 23250), (199, 23490), (210, 23547), (215, 23580), (233, 23673), (238, 23697), (258, 23802), (270, 23868), (274, 23883), (307, 24054), (337, 24159), (354, 24213), (367, 24252), (384, 24306), (392, 24333), (396, 24357),

Gene: Baby16_31 Start: 22969, Stop: 24825, Start Num: 12

Candidate Starts for Baby16_31:

(Start: 12 @22969 has 161 MA's), (34, 23095), (39, 23119), (61, 23224), (62, 23230), (68, 23278), (71, 23287), (80, 23329), (98, 23374), (103, 23380), (124, 23485), (125, 23497), (143, 23575), (157, 23644), (194, 23872), (196, 23896), (197, 23899), (200, 23926), (201, 23929), (220, 24034), (225, 24064), (228, 24079), (245, 24169), (253, 24208), (260, 24253), (288, 24421), (318, 24538), (320, 24544), (330, 24589), (349, 24640), (350, 24643), (369, 24706), (373, 24715), (396, 24802),

Gene: BabyBack_33 Start: 24351, Stop: 26132, Start Num: 18

Candidate Starts for BabyBack_33:

(Start: 18 @24351 has 37 MA's), (23, 24372), (34, 24462), (36, 24471), (37, 24477), (64, 24609), (66, 24621), (80, 24696), (124, 24810), (156, 24966), (160, 24984), (164, 25008), (182, 25122), (195, 25209), (199, 25248), (215, 25338), (218, 25359), (237, 25449), (247, 25500), (250, 25521), (275, 25665), (278, 25680), (309, 25815), (316, 25836), (322, 25857), (330, 25896), (335, 25914), (340, 25929), (353, 25968), (367, 26010), (378, 26040), (380, 26052), (396, 26109),

Gene: BabyJohn_30 Start: 23109, Stop: 24968, Start Num: 11

Candidate Starts for BabyJohn_30:

(Start: 11 @23109 has 115 MA's), (36, 23253), (48, 23310), (103, 23529), (105, 23547), (106, 23550), (114, 23577), (125, 23646), (126, 23652), (156, 23790), (160, 23808), (164, 23832), (199, 24072), (215, 24162), (249, 24342), (258, 24384), (270, 24450), (274, 24465), (307, 24636), (317, 24666), (354, 24795), (384, 24888), (392, 24915), (396, 24939), (398, 24945),

Gene: BabyRay_31 Start: 23087, Stop: 24946, Start Num: 11

Candidate Starts for BabyRay_31:

(Start: 11 @23087 has 115 MA's), (36, 23231), (39, 23246), (48, 23288), (61, 23351), (87, 23483), (103, 23507), (106, 23528), (114, 23555), (126, 23630), (156, 23768), (160, 23786), (161, 23789), (164, 23810), (199, 24050), (215, 24140), (233, 24233), (238, 24257), (258, 24362), (270, 24428), (274, 24443), (278, 24482), (307, 24614), (337, 24719), (354, 24773), (367, 24812), (384, 24866), (392, 24893), (396, 24917),

Gene: Backyardigan_31 Start: 22981, Stop: 24840, Start Num: 12

Candidate Starts for Backyardigan_31:

(7, 22921), (Start: 12 @22981 has 161 MA's), (26, 23047), (30, 23092), (32, 23098), (39, 23131), (43, 23149), (53, 23194), (55, 23200), (56, 23206), (71, 23299), (74, 23314), (98, 23386), (115, 23446), (124, 23497), (125, 23509), (143, 23587), (157, 23656), (176, 23779), (181, 23803), (194, 23884), (199, 23929), (200, 23938), (201, 23941), (223, 24070), (225, 24079), (235, 24121), (239, 24148), (245, 24184), (249, 24211), (253, 24223), (277, 24379), (318, 24553), (320, 24559), (330, 24604), (349, 24655), (350, 24658), (359, 24694), (373, 24730),

Gene: Bactobuster_33 Start: 24863, Stop: 26638, Start Num: 12

Candidate Starts for Bactobuster_33:

(9, 24824), (Start: 12 @24863 has 161 MA's), (34, 24974), (36, 24983), (49, 25040), (56, 25067), (71, 25160), (106, 25274), (122, 25304), (149, 25439), (156, 25472), (160, 25490), (164, 25514), (182, 25628), (187, 25676), (195, 25715), (199, 25754), (201, 25766), (210, 25811), (247, 26006), (250, 26027), (268, 26120), (278, 26186), (294, 26258), (309, 26321), (335, 26420), (340, 26435), (367, 26516), (386, 26576), (398, 26621),

Gene: Badger_31 Start: 22970, Stop: 24829, Start Num: 12

Candidate Starts for Badger_31:

(7, 22910), (Start: 12 @22970 has 161 MA's), (26, 23036), (30, 23081), (32, 23087), (39, 23120), (43, 23138), (53, 23183), (55, 23189), (56, 23195), (71, 23288), (74, 23303), (98, 23375), (115, 23435), (124, 23486), (125, 23498), (143, 23576), (157, 23645), (176, 23768), (181, 23792), (194, 23873), (199, 23918), (200, 23927), (201, 23930), (223, 24059), (225, 24068), (235, 24110), (239, 24137), (245, 24173), (249, 24200), (253, 24212), (277, 24368), (318, 24542), (320, 24548), (330, 24593), (349, 24644), (350, 24647), (359, 24683), (373, 24719),

Gene: BangNhom_31 Start: 23274, Stop: 25130, Start Num: 12

Candidate Starts for BangNhom_31:

(Start: 12 @23274 has 161 MA's), (34, 23400), (39, 23424), (61, 23529), (62, 23535), (68, 23583), (80, 23634), (103, 23685), (124, 23790), (125, 23802), (143, 23880), (157, 23949), (185, 24117), (189, 24147), (194, 24177), (196, 24201), (197, 24204), (200, 24231), (201, 24234), (220, 24339), (223, 24360), (225, 24369), (253, 24513), (260, 24558), (286, 24720), (318, 24843), (330, 24894), (369, 25011), (373, 25020), (396, 25107),

Gene: Bartimeaus_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Bartimeaus_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320,

24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Beauxregard13_33 Start: 23277, Stop: 25034, Start Num: 11

Candidate Starts for Beauxregard13_33:

(Start: 11 @23277 has 115 MA's), (34, 23412), (48, 23478), (57, 23523), (64, 23559), (98, 23691), (109, 23727), (128, 23748), (141, 23805), (154, 23865), (167, 23919), (173, 23979), (193, 24099), (194, 24102), (203, 24171), (209, 24195), (225, 24288), (230, 24309), (239, 24354), (303, 24684), (320, 24753), (337, 24816), (390, 24987),

Gene: Beemo_33 Start: 24411, Stop: 26177, Start Num: 14

Candidate Starts for Beemo_33:

(Start: 14 @24411 has 26 MA's), (19, 24423), (48, 24597), (66, 24687), (77, 24732), (79, 24741), (109, 24819), (123, 24843), (129, 24879), (156, 25008), (160, 25026), (195, 25251), (197, 25272), (199, 25290), (215, 25380), (225, 25437), (249, 25560), (274, 25683), (278, 25722), (288, 25779), (309, 25860), (316, 25881), (317, 25884), (335, 25959), (340, 25974), (378, 26085), (398, 26160),

Gene: Bellris_29 Start: 22236, Stop: 23978, Start Num: 17

Candidate Starts for Bellris_29:

(Start: 17 @22236 has 11 MA's), (19, 22242), (36, 22359), (43, 22392), (66, 22509), (70, 22539), (82, 22587), (84, 22596), (85, 22599), (121, 22686), (134, 22731), (143, 22758), (158, 22833), (171, 22911), (183, 22977), (202, 23103), (280, 23535), (289, 23580), (325, 23712), (368, 23853), (372, 23865), (381, 23904), (397, 23967),

Gene: BellusTerra_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for BellusTerra_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (258, 24223), (260, 24241), (275, 24340), (318, 24526), (330, 24577), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: BiancaTri92_33 Start: 24557, Stop: 26335, Start Num: 12

Candidate Starts for BiancaTri92_33:

(Start: 12 @24557 has 161 MA's), (34, 24668), (36, 24677), (49, 24737), (56, 24764), (62, 24800), (109, 24980), (122, 25001), (124, 25013), (152, 25148), (156, 25169), (160, 25187), (164, 25211), (180, 25319), (190, 25385), (199, 25451), (210, 25508), (215, 25541), (225, 25598), (270, 25829), (275, 25868), (278, 25883), (309, 26018), (317, 26042), (318, 26048), (335, 26117), (340, 26132), (353, 26171), (367, 26213), (398, 26318),

Gene: Bigflo_33 Start: 23276, Stop: 25033, Start Num: 11

Candidate Starts for Bigflo_33:

(Start: 11 @23276 has 115 MA's), (34, 23411), (48, 23477), (57, 23522), (64, 23558), (98, 23690), (109, 23726), (128, 23747), (141, 23804), (154, 23864), (167, 23918), (173, 23978), (193, 24098), (194, 24101), (203, 24170), (209, 24194), (225, 24287), (230, 24308), (239, 24353), (303, 24683), (320, 24752), (337, 24815), (390, 24986),

Gene: Blackmoor_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Blackmoor_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: BlueBird_32 Start: 22838, Stop: 24697, Start Num: 11

Candidate Starts for BlueBird_32:

(Start: 11 @22838 has 115 MA's), (36, 22982), (39, 22997), (48, 23039), (70, 23162), (81, 23210), (99, 23252), (103, 23258), (106, 23279), (156, 23519), (163, 23549), (169, 23597), (187, 23723), (195, 23762), (199, 23801), (210, 23858), (215, 23891), (247, 24053), (248, 24056), (258, 24113), (270, 24179), (274, 24194), (317, 24395), (353, 24521), (354, 24524), (380, 24605), (384, 24617), (392, 24644), (398, 24674),

Gene: BobSwaget_34 Start: 24339, Stop: 26123, Start Num: 17

Candidate Starts for BobSwaget_34:

(Start: 17 @24339 has 11 MA's), (23, 24363), (34, 24453), (36, 24462), (48, 24519), (135, 24867), (137, 24870), (156, 24957), (160, 24975), (164, 24999), (180, 25107), (195, 25200), (199, 25239), (215, 25329), (226, 25389), (237, 25440), (247, 25491), (250, 25512), (275, 25656), (278, 25671), (281, 25689), (316, 25827), (322, 25848), (340, 25920), (347, 25938), (353, 25959), (359, 25980), (367, 26001), (386, 26061), (398, 26106),

Gene: BogosyJay_32 Start: 23933, Stop: 25699, Start Num: 14

Candidate Starts for BogosyJay_32:

(Start: 14 @23933 has 26 MA's), (44, 24098), (48, 24119), (62, 24185), (64, 24197), (66, 24209), (77, 24254), (79, 24263), (81, 24272), (106, 24332), (109, 24341), (123, 24365), (129, 24401), (148, 24494), (156, 24530), (160, 24548), (195, 24773), (197, 24794), (199, 24812), (215, 24902), (225, 24959), (233, 24995), (249, 25082), (274, 25205), (275, 25229), (278, 25244), (288, 25301), (316, 25403), (317, 25406), (340, 25496), (378, 25607), (398, 25682),

Gene: Bombshell_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Bombshell_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Bradman_30 Start: 21646, Stop: 23397, Start Num: 18

Candidate Starts for Bradman_30:

(Start: 18 @21646 has 37 MA's), (23, 21667), (36, 21766), (39, 21781), (56, 21856), (66, 21916), (89, 22027), (104, 22060), (110, 22084), (111, 22090), (125, 22162), (142, 22237), (148, 22270), (155, 22300), (204, 22588), (227, 22708), (242, 22777), (283, 23008), (300, 23083), (304, 23095), (306, 23104), (315, 23143), (376, 23338), (382, 23365), (383, 23368), (386, 23380),

Gene: BreSam8_33 Start: 23270, Stop: 25027, Start Num: 11

Candidate Starts for BreSam8_33:

(Start: 11 @23270 has 115 MA's), (34, 23405), (48, 23471), (57, 23516), (64, 23552), (98, 23684), (109, 23720), (128, 23741), (141, 23798), (154, 23858), (167, 23912), (173, 23972), (193, 24092), (194, 24095), (203, 24164), (209, 24188), (225, 24281), (230, 24302), (239, 24347), (303, 24677), (320, 24746), (337, 24809), (390, 24980),

Gene: Broseidon_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Broseidon_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (248, 24172), (253, 24199), (260, 24244), (288, 24412), (318,

24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Bruiser_30 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Bruiser_30:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (286, 24406), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: BubbleTrouble_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for BubbleTrouble_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Bugatti_31 Start: 22838, Stop: 24697, Start Num: 11

Candidate Starts for Bugatti_31:

(Start: 11 @22838 has 115 MA's), (36, 22982), (39, 22997), (48, 23039), (70, 23162), (81, 23210), (99, 23252), (103, 23258), (106, 23279), (156, 23519), (163, 23549), (169, 23597), (187, 23723), (195, 23762), (199, 23801), (210, 23858), (215, 23891), (247, 24053), (248, 24056), (258, 24113), (270, 24179), (274, 24194), (317, 24395), (353, 24521), (354, 24524), (380, 24605), (384, 24617), (392, 24644), (398, 24674),

Gene: Bumblebee11_31 Start: 22972, Stop: 24831, Start Num: 12

Candidate Starts for Bumblebee11_31:

(7, 22912), (Start: 12 @22972 has 161 MA's), (26, 23038), (30, 23083), (32, 23089), (39, 23122), (43, 23140), (53, 23185), (55, 23191), (56, 23197), (71, 23290), (74, 23305), (98, 23377), (115, 23437), (124, 23488), (125, 23500), (143, 23578), (157, 23647), (176, 23770), (181, 23794), (194, 23875), (199, 23920), (200, 23929), (201, 23932), (223, 24061), (225, 24070), (235, 24112), (239, 24139), (245, 24175), (249, 24202), (253, 24214), (277, 24370), (318, 24544), (320, 24550), (330, 24595), (349, 24646), (350, 24649), (359, 24685), (373, 24721),

Gene: Burger_30 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Burger_30:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: BuzzBuzz_32 Start: 23364, Stop: 25115, Start Num: 11

Candidate Starts for BuzzBuzz_32:

(Start: 11 @23364 has 115 MA's), (34, 23499), (48, 23565), (57, 23610), (64, 23646), (86, 23757), (98, 23778), (109, 23814), (128, 23835), (154, 23952), (177, 24090), (193, 24186), (194, 24189), (203, 24258), (209, 24282), (216, 24327), (225, 24375), (239, 24441), (271, 24612), (273, 24618), (279, 24669), (288, 24714), (297, 24744), (308, 24792), (320, 24834), (325, 24849), (326, 24852), (330, 24876), (362, 24978), (363, 24981), (371, 25005),

Gene: Bxz2_32 Start: 23371, Stop: 25122, Start Num: 11

Candidate Starts for Bxz2_32:

(Start: 11 @23371 has 115 MA's), (34, 23506), (48, 23572), (57, 23617), (64, 23653), (86, 23764), (98, 23785), (109, 23821), (128, 23842), (154, 23959), (177, 24097), (193, 24193), (194, 24196), (203, 24265), (209, 24289), (216, 24334), (225, 24382), (239, 24448), (271, 24619), (273, 24625), (279, 24676), (288, 24721), (297, 24751), (308, 24799), (320, 24841), (325, 24856), (326, 24859), (330, 24883), (362, 24985), (363, 24988), (371, 25012),

Gene: C3_29 Start: 22703, Stop: 24556, Start Num: 18

Candidate Starts for C3_29:

(Start: 15 @22697 has 5 MA's), (Start: 18 @22703 has 37 MA's), (36, 22823), (56, 22913), (66, 22973), (68, 22997), (75, 23024), (104, 23117), (110, 23141), (111, 23147), (132, 23249), (204, 23654), (218, 23723), (253, 23891), (268, 23978), (283, 24074), (319, 24221), (353, 24335), (375, 24404), (380, 24428), (389, 24458), (394, 24473),

Gene: Caelakin_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Caelakin_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (286, 24406), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Calvinny_34 Start: 23361, Stop: 25169, Start Num: 11

Candidate Starts for Calvinny_34:

(Start: 11 @23361 has 115 MA's), (34, 23496), (48, 23562), (57, 23607), (64, 23643), (81, 23733), (87, 23757), (106, 23802), (122, 23832), (156, 24000), (160, 24018), (164, 24042), (187, 24204), (195, 24243), (199, 24282), (215, 24372), (247, 24534), (250, 24555), (267, 24642), (275, 24699), (278, 24714), (291, 24777), (309, 24852), (316, 24873), (340, 24966), (353, 25005), (367, 25047), (396, 25146),

Gene: Camperdownii_30 Start: 22579, Stop: 24435, Start Num: 12

Candidate Starts for Camperdownii_30:

(Start: 12 @22579 has 161 MA's), (34, 22705), (39, 22729), (61, 22834), (62, 22840), (68, 22888), (80, 22939), (103, 22990), (124, 23095), (125, 23107), (143, 23185), (157, 23254), (185, 23422), (189, 23452), (194, 23482), (197, 23509), (200, 23536), (201, 23539), (220, 23644), (223, 23665), (225, 23674), (245, 23779), (253, 23818), (258, 23845), (260, 23863), (261, 23866), (277, 23974), (288, 24031), (318, 24148), (320, 24154), (369, 24316), (373, 24325),

Gene: Caraxes_30 Start: 21397, Stop: 22950, Start Num: 18

Candidate Starts for Caraxes_30:

(Start: 15 @21391 has 5 MA's), (Start: 18 @21397 has 37 MA's), (36, 21517), (43, 21550), (44, 21553), (49, 21580), (66, 21667), (104, 21754), (130, 21856), (227, 22384), (229, 22390), (236, 22420), (242, 22453), (244, 22465), (262, 22558), (268, 22588), (283, 22684), (300, 22756), (318, 22822), (323, 22834), (337, 22879),

Gene: Catalina_34 Start: 24377, Stop: 26143, Start Num: 14

Candidate Starts for Catalina_34:

(Start: 14 @24377 has 26 MA's), (19, 24389), (48, 24563), (66, 24653), (77, 24698), (79, 24707), (109, 24785), (123, 24809), (129, 24845), (156, 24974), (160, 24992), (195, 25217), (197, 25238), (199, 25256), (215, 25346), (225, 25403), (249, 25526), (274, 25649), (278, 25688), (288, 25745), (309, 25826), (316, 25847), (317, 25850), (340, 25940), (378, 26051), (398, 26126),

Gene: Caviar_32 Start: 23373, Stop: 25232, Start Num: 11

Candidate Starts for Caviar_32:

(Start: 11 @23373 has 115 MA's), (36, 23517), (40, 23535), (48, 23574), (53, 23595), (61, 23637), (64, 23655), (106, 23814), (114, 23841), (134, 23946), (137, 23967), (156, 24054), (164, 24096), (199, 24336), (215, 24426), (225, 24483), (258, 24648), (268, 24702), (270, 24714), (274, 24729), (298, 24858), (301, 24870), (317, 24930), (320, 24942), (331, 24987), (337, 25005), (384, 25152), (392, 25179), (398, 25209),

Gene: Celestiallunch_31 Start: 22321, Stop: 24066, Start Num: 17

Candidate Starts for Celestiallunch_31:

(Start: 17 @22321 has 11 MA's), (43, 22477), (60, 22558), (70, 22624), (82, 22672), (90, 22696), (112, 22741), (121, 22771), (151, 22885), (183, 23062), (221, 23293), (227, 23332), (251, 23446), (278, 23605), (280, 23620), (327, 23806), (333, 23836), (361, 23917), (372, 23950), (391, 24022), (397, 24052), (399, 24055),

Gene: CentreCat_31 Start: 22961, Stop: 24817, Start Num: 12

Candidate Starts for CentreCat_31:

(Start: 12 @22961 has 161 MA's), (34, 23087), (39, 23111), (61, 23216), (62, 23222), (68, 23270), (71, 23279), (80, 23321), (98, 23366), (103, 23372), (124, 23477), (125, 23489), (143, 23567), (157, 23636), (194, 23864), (196, 23888), (197, 23891), (200, 23918), (201, 23921), (220, 24026), (225, 24056), (228, 24071), (245, 24161), (253, 24200), (260, 24245), (288, 24413), (318, 24530), (320, 24536), (330, 24581), (349, 24632), (350, 24635), (369, 24698), (373, 24707), (396, 24794),

Gene: Cerulean_32 Start: 23275, Stop: 25131, Start Num: 12

Candidate Starts for Cerulean_32:

(Start: 12 @23275 has 161 MA's), (34, 23401), (39, 23425), (61, 23530), (62, 23536), (68, 23584), (80, 23635), (103, 23686), (124, 23791), (125, 23803), (143, 23881), (157, 23950), (185, 24118), (189, 24148), (194, 24178), (196, 24202), (197, 24205), (200, 24232), (201, 24235), (220, 24340), (223, 24361), (225, 24370), (253, 24514), (260, 24559), (286, 24721), (318, 24844), (330, 24895), (369, 25012), (373, 25021), (396, 25108),

Gene: ChampagnePapi_32 Start: 23274, Stop: 25130, Start Num: 12

Candidate Starts for ChampagnePapi_32:

(Start: 12 @23274 has 161 MA's), (34, 23400), (39, 23424), (61, 23529), (62, 23535), (68, 23583), (80, 23634), (103, 23685), (124, 23790), (125, 23802), (143, 23880), (157, 23949), (194, 24177), (196, 24201), (197, 24204), (200, 24231), (201, 24234), (220, 24339), (225, 24369), (228, 24384), (245, 24474), (253, 24513), (260, 24558), (288, 24726), (318, 24843), (330, 24894), (369, 25011), (373, 25020), (396, 25107),

Gene: Changeling_34 Start: 25115, Stop: 26890, Start Num: 18

Candidate Starts for Changeling_34:

(6, 25016), (Start: 18 @25115 has 37 MA's), (34, 25226), (36, 25235), (56, 25319), (62, 25355), (64, 25367), (66, 25379), (87, 25481), (103, 25505), (122, 25556), (124, 25568), (152, 25703), (156, 25724), (160, 25742), (164, 25766), (195, 25967), (199, 26006), (210, 26063), (215, 26096), (225, 26153), (237, 26207), (249, 26276), (270, 26384), (274, 26399), (278, 26438), (316, 26594), (340, 26687), (367, 26768), (386, 26828), (398, 26873),

Gene: Chaph_31 Start: 22969, Stop: 24825, Start Num: 12

Candidate Starts for Chaph_31:

(Start: 12 @22969 has 161 MA's), (34, 23095), (39, 23119), (61, 23224), (62, 23230), (68, 23278), (71, 23287), (80, 23329), (98, 23374), (103, 23380), (124, 23485), (125, 23497), (143, 23575), (157, 23644), (194, 23872), (196, 23896), (197, 23899), (200, 23926), (201, 23929), (220, 24034), (225,

24064), (228, 24079), (245, 24169), (253, 24208), (260, 24253), (288, 24421), (318, 24538), (320, 24544), (330, 24589), (349, 24640), (350, 24643), (369, 24706), (373, 24715), (396, 24802),

Gene: Chargerpower_32 Start: 22051, Stop: 23787, Start Num: 41

Candidate Starts for Chargerpower_32:

(Start: 41 @22051 has 1 MA's), (73, 22222), (78, 22243), (81, 22255), (115, 22333), (139, 22432), (162, 22492), (188, 22666), (202, 22750), (227, 22894), (246, 22978), (278, 23167), (345, 23404), (374, 23494), (377, 23509), (405, 23647), (406, 23656), (408, 23671), (409, 23704),

Gene: Charm_31 Start: 22329, Stop: 24071, Start Num: 17

Candidate Starts for Charm_31:

(Start: 17 @22329 has 11 MA's), (19, 22335), (43, 22485), (49, 22515), (60, 22566), (70, 22632), (82, 22680), (90, 22704), (121, 22779), (151, 22893), (171, 23004), (183, 23070), (199, 23184), (206, 23220), (221, 23301), (227, 23340), (251, 23454), (254, 23466), (278, 23613), (280, 23628), (289, 23673), (361, 23925), (372, 23958), (373, 23961), (381, 23997), (397, 24060),

Gene: Che12_33 Start: 21672, Stop: 23324, Start Num: 18

Candidate Starts for Che12_33:

(Start: 18 @21672 has 37 MA's), (34, 21783), (42, 21819), (62, 21918), (66, 21942), (110, 22110), (111, 22116), (207, 22626), (227, 22737), (244, 22818), (262, 22911), (268, 22941), (283, 23037), (300, 23109), (324, 23196), (329, 23208),

Gene: Chiqui_30 Start: 23109, Stop: 24977, Start Num: 11

Candidate Starts for Chiqui_30:

(Start: 11 @23109 has 115 MA's), (36, 23253), (48, 23310), (103, 23538), (105, 23556), (106, 23559), (114, 23586), (125, 23655), (126, 23661), (156, 23799), (160, 23817), (164, 23841), (199, 24081), (215, 24171), (249, 24351), (258, 24393), (270, 24459), (274, 24474), (307, 24645), (317, 24675), (354, 24804), (384, 24897), (392, 24924), (396, 24948), (398, 24954),

Gene: Chupacabra_32 Start: 23269, Stop: 25104, Start Num: 12

Candidate Starts for Chupacabra_32:

(Start: 12 @23269 has 161 MA's), (21, 23302), (25, 23317), (81, 23629), (87, 23653), (91, 23671), (92, 23674), (93, 23677), (94, 23698), (96, 23725), (156, 23938), (160, 23956), (164, 23980), (184, 24115), (186, 24124), (199, 24220), (210, 24277), (215, 24310), (237, 24421), (249, 24490), (270, 24598), (274, 24613), (278, 24652), (279, 24658), (294, 24724), (309, 24787), (316, 24808), (317, 24811), (318, 24817), (322, 24829), (335, 24886), (340, 24901), (343, 24910), (367, 24982), (386, 25042), (398, 25087), (400, 25090),

Gene: Cici_31 Start: 22966, Stop: 24825, Start Num: 12

Candidate Starts for Cici_31:

(7, 22906), (Start: 12 @22966 has 161 MA's), (26, 23032), (30, 23077), (32, 23083), (39, 23116), (43, 23134), (53, 23179), (55, 23185), (56, 23191), (71, 23284), (74, 23299), (98, 23371), (115, 23431), (124, 23482), (125, 23494), (143, 23572), (157, 23641), (176, 23764), (181, 23788), (194, 23869), (199, 23914), (200, 23923), (201, 23926), (223, 24055), (225, 24064), (235, 24106), (239, 24133), (245, 24169), (249, 24196), (253, 24208), (277, 24364), (318, 24538), (320, 24544), (330, 24589), (349, 24640), (350, 24643), (359, 24679), (373, 24715),

Gene: Cindaradix_30 Start: 22690, Stop: 24546, Start Num: 12

Candidate Starts for Cindaradix_30:

(Start: 12 @22690 has 161 MA's), (39, 22840), (43, 22858), (45, 22870), (53, 22903), (56, 22915), (62, 22951), (71, 23008), (74, 23023), (115, 23155), (124, 23206), (125, 23218), (143, 23296), (146, 23317), (157, 23365), (194, 23593), (200, 23647), (201, 23650), (220, 23755), (223, 23776), (225, 23785), (245, 23890), (277, 24085), (288, 24142), (318, 24259), (320, 24265), (373, 24436),

Gene: Cintron_31 Start: 23005, Stop: 24864, Start Num: 12

Candidate Starts for Cintron_31:

(Start: 12 @23005 has 161 MA's), (34, 23131), (39, 23155), (61, 23260), (62, 23266), (68, 23314), (71, 23323), (80, 23365), (98, 23410), (103, 23416), (124, 23521), (125, 23533), (143, 23611), (157, 23680), (185, 23848), (194, 23908), (196, 23932), (197, 23935), (200, 23962), (201, 23965), (220, 24070), (225, 24100), (228, 24115), (245, 24205), (253, 24244), (258, 24271), (260, 24289), (320, 24580), (340, 24658), (344, 24670), (349, 24676), (359, 24715), (369, 24742), (372, 24748), (396, 24841),

Gene: Citius_31 Start: 22975, Stop: 24831, Start Num: 12

Candidate Starts for Citius_31:

(Start: 12 @22975 has 161 MA's), (34, 23101), (39, 23125), (61, 23230), (62, 23236), (68, 23284), (80, 23335), (98, 23380), (103, 23386), (124, 23491), (125, 23503), (143, 23581), (157, 23650), (194, 23878), (196, 23902), (197, 23905), (200, 23932), (201, 23935), (220, 24040), (225, 24070), (228, 24085), (245, 24175), (253, 24214), (260, 24259), (288, 24427), (318, 24544), (320, 24550), (330, 24595), (349, 24646), (350, 24649), (369, 24712), (373, 24721), (396, 24808),

Gene: Clammy_31 Start: 22838, Stop: 24697, Start Num: 11

Candidate Starts for Clammy_31:

(Start: 11 @22838 has 115 MA's), (36, 22982), (39, 22997), (48, 23039), (70, 23162), (81, 23210), (99, 23252), (103, 23258), (106, 23279), (156, 23519), (163, 23549), (169, 23597), (187, 23723), (195, 23762), (199, 23801), (210, 23858), (215, 23891), (247, 24053), (248, 24056), (258, 24113), (270, 24179), (274, 24194), (317, 24395), (353, 24521), (354, 24524), (380, 24605), (384, 24617), (392, 24644), (398, 24674),

Gene: Clarenza_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for Clarenza_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (124, 23473), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (260, 24241), (288, 24409), (318, 24526), (320, 24532), (330, 24577), (349, 24628), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: ClownCar_34 Start: 23353, Stop: 25161, Start Num: 11

Candidate Starts for ClownCar_34:

(Start: 11 @23353 has 115 MA's), (34, 23488), (48, 23554), (57, 23599), (64, 23635), (81, 23725), (87, 23749), (106, 23794), (122, 23824), (156, 23992), (160, 24010), (164, 24034), (187, 24196), (195, 24235), (199, 24274), (215, 24364), (247, 24526), (250, 24547), (267, 24634), (275, 24691), (278, 24706), (291, 24769), (309, 24844), (316, 24865), (340, 24958), (353, 24997), (367, 25039), (396, 25138),

Gene: Cocoaberry_31 Start: 22964, Stop: 24820, Start Num: 12

Candidate Starts for Cocoaberry_31:

(Start: 12 @22964 has 161 MA's), (34, 23090), (39, 23114), (61, 23219), (62, 23225), (68, 23273), (71, 23282), (80, 23324), (98, 23369), (103, 23375), (124, 23480), (125, 23492), (143, 23570), (157, 23639), (194, 23867), (196, 23891), (197, 23894), (200, 23921), (201, 23924), (220, 24029), (223, 24050), (225, 24059), (245, 24164), (253, 24203), (260, 24248), (286, 24410), (288, 24416), (318, 24533), (320, 24539), (330, 24584), (349, 24635), (350, 24638), (369, 24701), (373, 24710), (396, 24797),

Gene: CogOmlette_29 Start: 22236, Stop: 23978, Start Num: 17

Candidate Starts for CogOmlette_29:

(Start: 17 @22236 has 11 MA's), (19, 22242), (36, 22359), (43, 22392), (66, 22509), (70, 22539), (82, 22587), (84, 22596), (85, 22599), (121, 22686), (134, 22731), (143, 22758), (158, 22833), (171, 22911), (183, 22977), (202, 23103), (280, 23535), (289, 23580), (325, 23712), (368, 23853), (372, 23865), (381, 23904), (397, 23967),

Gene: Colbster_33 Start: 23277, Stop: 25034, Start Num: 11

Candidate Starts for Colbster_33:

(Start: 11 @23277 has 115 MA's), (34, 23412), (48, 23478), (57, 23523), (64, 23559), (98, 23691), (109, 23727), (128, 23748), (141, 23805), (154, 23865), (167, 23919), (173, 23979), (193, 24099), (194, 24102), (203, 24171), (209, 24195), (225, 24288), (230, 24309), (239, 24354), (303, 24684), (320, 24753), (337, 24816), (390, 24987),

Gene: Colin_35 Start: 24479, Stop: 26257, Start Num: 15

Candidate Starts for Colin_35:

(Start: 15 @24479 has 5 MA's), (34, 24593), (36, 24602), (64, 24734), (135, 25001), (156, 25091), (160, 25109), (164, 25133), (195, 25334), (199, 25373), (215, 25463), (225, 25520), (237, 25574), (249, 25643), (273, 25760), (278, 25805), (281, 25823), (309, 25940), (316, 25961), (322, 25982), (340, 26054), (367, 26135), (378, 26165), (386, 26195), (398, 26240),

Gene: Commander_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Commander_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Connomayer_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Connomayer_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Conquerage_33 Start: 24407, Stop: 26173, Start Num: 14

Candidate Starts for Conquerage_33:

(Start: 14 @24407 has 26 MA's), (48, 24593), (66, 24683), (77, 24728), (79, 24737), (109, 24815), (123, 24839), (129, 24875), (156, 25004), (160, 25022), (195, 25247), (197, 25268), (199, 25286), (215, 25376), (225, 25433), (249, 25556), (274, 25679), (278, 25718), (288, 25775), (309, 25856), (316, 25877), (317, 25880), (340, 25970), (378, 26081), (398, 26156),

Gene: Croquant_34 Start: 23275, Stop: 25032, Start Num: 11

Candidate Starts for Croquant_34:

(Start: 11 @23275 has 115 MA's), (34, 23410), (48, 23476), (57, 23521), (64, 23557), (98, 23689), (109, 23725), (128, 23746), (141, 23803), (154, 23863), (167, 23917), (173, 23977), (193, 24097), (194, 24100), (203, 24169), (209, 24193), (225, 24286), (230, 24307), (239, 24352), (303, 24682), (320, 24751), (337, 24814), (390, 24985),

Gene: Cullens_33 Start: 23276, Stop: 25033, Start Num: 11

Candidate Starts for Cullens_33:

(Start: 11 @23276 has 115 MA's), (34, 23411), (48, 23477), (57, 23522), (64, 23558), (98, 23690), (109, 23726), (128, 23747), (141, 23804), (154, 23864), (167, 23918), (173, 23978), (193, 24098),

(194, 24101), (203, 24170), (209, 24194), (225, 24287), (230, 24308), (239, 24353), (303, 24683), (320, 24752), (337, 24815), (390, 24986),

Gene: D29_31 Start: 22559, Stop: 24412, Start Num: 18

Candidate Starts for D29_31:

(Start: 15 @22553 has 5 MA's), (Start: 18 @22559 has 37 MA's), (36, 22679), (56, 22769), (66, 22829), (75, 22880), (104, 22973), (110, 22997), (111, 23003), (204, 23510), (218, 23579), (236, 23666), (253, 23747), (353, 24191), (357, 24206), (375, 24260), (380, 24284), (383, 24293), (394, 24329),

Gene: D32_34 Start: 22559, Stop: 24412, Start Num: 18

Candidate Starts for D32_34:

(Start: 15 @22553 has 5 MA's), (Start: 18 @22559 has 37 MA's), (36, 22679), (56, 22769), (66, 22829), (75, 22880), (104, 22973), (110, 22997), (111, 23003), (204, 23510), (218, 23579), (236, 23666), (253, 23747), (353, 24191), (357, 24206), (375, 24260), (380, 24284), (383, 24293), (394, 24329),

Gene: DBQu4n_34 Start: 22559, Stop: 24412, Start Num: 18

Candidate Starts for DBQu4n_34:

(Start: 15 @22553 has 5 MA's), (Start: 18 @22559 has 37 MA's), (36, 22679), (56, 22769), (66, 22829), (75, 22880), (104, 22973), (110, 22997), (111, 23003), (204, 23510), (218, 23579), (236, 23666), (253, 23747), (265, 23813), (283, 23930), (339, 24149), (342, 24161), (353, 24191), (375, 24260), (380, 24284), (383, 24293), (394, 24329),

Gene: DaHudson_33 Start: 23269, Stop: 25026, Start Num: 11

Candidate Starts for DaHudson_33:

(Start: 11 @23269 has 115 MA's), (34, 23404), (48, 23470), (57, 23515), (64, 23551), (98, 23683), (109, 23719), (128, 23740), (141, 23797), (154, 23857), (167, 23911), (173, 23971), (193, 24091), (194, 24094), (203, 24163), (209, 24187), (225, 24280), (230, 24301), (239, 24346), (303, 24676), (320, 24745), (337, 24808), (390, 24979),

Gene: Daishi_32 Start: 22205, Stop: 23956, Start Num: 11

Candidate Starts for Daishi_32:

(Start: 11 @22205 has 115 MA's), (34, 22340), (48, 22406), (57, 22451), (64, 22487), (86, 22598), (98, 22619), (109, 22655), (128, 22676), (154, 22793), (177, 22931), (193, 23027), (194, 23030), (203, 23099), (209, 23123), (216, 23168), (225, 23216), (239, 23282), (271, 23453), (273, 23459), (279, 23510), (288, 23555), (297, 23585), (308, 23633), (320, 23675), (325, 23690), (326, 23693), (330, 23717), (362, 23819), (363, 23822), (371, 23846),

Gene: Darrell_33 Start: 24371, Stop: 26137, Start Num: 14

Candidate Starts for Darrell_33:

(Start: 14 @24371 has 26 MA's), (48, 24557), (62, 24623), (66, 24647), (77, 24692), (79, 24701), (106, 24770), (109, 24779), (129, 24839), (137, 24881), (149, 24935), (156, 24968), (160, 24986), (164, 25010), (165, 25016), (190, 25184), (195, 25211), (199, 25250), (215, 25340), (225, 25397), (249, 25520), (257, 25559), (274, 25643), (278, 25682), (309, 25820), (316, 25841), (317, 25844), (320, 25856), (330, 25901), (367, 26015), (378, 26045), (398, 26120),

Gene: Datway_31 Start: 22981, Stop: 24840, Start Num: 12

Candidate Starts for Datway_31:

(7, 22921), (Start: 12 @22981 has 161 MA's), (26, 23047), (30, 23092), (32, 23098), (39, 23131), (43, 23149), (53, 23194), (55, 23200), (56, 23206), (71, 23299), (74, 23314), (98, 23386), (115, 23446), (124, 23497), (125, 23509), (143, 23587), (157, 23656), (176, 23779), (181, 23803), (194, 23884), (199, 23929), (200, 23938), (201, 23941), (223, 24070), (225, 24079), (235, 24121), (239, 24148), (245, 24184), (249, 24211), (253, 24223), (277, 24379), (318, 24553), (320, 24559), (330, 24604), (349, 24655), (350, 24658), (359, 24694), (373, 24730),

Gene: Deano_31 Start: 22968, Stop: 24824, Start Num: 12

Candidate Starts for Deano_31:

(Start: 12 @22968 has 161 MA's), (34, 23094), (39, 23118), (61, 23223), (62, 23229), (68, 23277), (71, 23286), (80, 23328), (98, 23373), (103, 23379), (124, 23484), (125, 23496), (143, 23574), (157, 23643), (194, 23871), (196, 23895), (197, 23898), (200, 23925), (201, 23928), (220, 24033), (225, 24063), (228, 24078), (245, 24168), (253, 24207), (260, 24252), (288, 24420), (318, 24537), (320, 24543), (330, 24588), (349, 24639), (350, 24642), (369, 24705), (373, 24714), (396, 24801),

Gene: Dhanush_31 Start: 22963, Stop: 24819, Start Num: 12

Candidate Starts for Dhanush_31:

(Start: 12 @22963 has 161 MA's), (34, 23089), (39, 23113), (61, 23218), (62, 23224), (68, 23272), (71, 23281), (80, 23323), (98, 23368), (103, 23374), (124, 23479), (125, 23491), (143, 23569), (157, 23638), (194, 23866), (196, 23890), (197, 23893), (200, 23920), (201, 23923), (220, 24028), (225, 24058), (228, 24073), (245, 24163), (253, 24202), (260, 24247), (288, 24415), (318, 24532), (320, 24538), (330, 24583), (349, 24634), (350, 24637), (369, 24700), (373, 24709), (396, 24796),

Gene: Dieselweasel_33 Start: 23278, Stop: 25035, Start Num: 11

Candidate Starts for Dieselweasel_33:

(Start: 11 @23278 has 115 MA's), (34, 23413), (48, 23479), (57, 23524), (64, 23560), (98, 23692), (109, 23728), (128, 23749), (141, 23806), (154, 23866), (167, 23920), (173, 23980), (193, 24100), (194, 24103), (203, 24172), (209, 24196), (225, 24289), (230, 24310), (239, 24355), (303, 24685), (320, 24754), (337, 24817), (390, 24988),

Gene: DirtyDunning_31 Start: 22953, Stop: 24809, Start Num: 12

Candidate Starts for DirtyDunning_31:

(Start: 12 @22953 has 161 MA's), (34, 23079), (39, 23103), (61, 23208), (62, 23214), (68, 23262), (71, 23271), (80, 23313), (98, 23358), (103, 23364), (124, 23469), (125, 23481), (138, 23544), (143, 23559), (157, 23628), (185, 23796), (194, 23856), (197, 23883), (200, 23910), (201, 23913), (220, 24018), (223, 24039), (225, 24048), (245, 24153), (260, 24237), (275, 24336), (318, 24522), (320, 24528), (330, 24573), (349, 24624), (350, 24627), (369, 24690), (373, 24699), (396, 24786),

Gene: DontArgue_31 Start: 21656, Stop: 23866, Start Num: 12

Candidate Starts for DontArgue_31:

(Start: 12 @21656 has 161 MA's), (21, 21689), (47, 21839), (71, 21971), (87, 22040), (93, 22064), (94, 22085), (95, 22094), (97, 22118), (100, 22178), (101, 22241), (108, 22331), (120, 22466), (126, 22562), (134, 22592), (156, 22700), (158, 22709), (164, 22742), (166, 22751), (195, 22943), (197, 22964), (199, 22982), (210, 23039), (215, 23072), (225, 23129), (238, 23189), (247, 23234), (250, 23255), (251, 23258), (256, 23282), (268, 23348), (270, 23360), (275, 23399), (294, 23486), (317, 23573), (330, 23630), (335, 23648), (340, 23663), (353, 23702),

Gene: DreamTeam1_31 Start: 22328, Stop: 23986, Start Num: 17

Candidate Starts for DreamTeam1_31:

(Start: 17 @22328 has 11 MA's), (19, 22334), (43, 22484), (49, 22514), (60, 22565), (70, 22631), (82, 22679), (90, 22703), (121, 22778), (151, 22892), (199, 23183), (206, 23219), (227, 23339), (251, 23453), (278, 23612), (280, 23627), (292, 23681), (372, 23870),

Gene: DropBear_31 Start: 22899, Stop: 24758, Start Num: 11

Candidate Starts for DropBear_31:

(Start: 11 @22899 has 115 MA's), (32, 23025), (34, 23034), (48, 23100), (53, 23121), (61, 23163), (103, 23319), (114, 23367), (125, 23436), (126, 23442), (134, 23472), (156, 23580), (160, 23598), (164, 23622), (199, 23862), (215, 23952), (238, 24069), (258, 24174), (270, 24240), (274, 24255), (307, 24426), (337, 24531), (354, 24585), (367, 24624), (384, 24678), (392, 24705), (396, 24729),

Gene: Druantia_31 Start: 22961, Stop: 24817, Start Num: 12

Candidate Starts for Druantia_31:

(Start: 12 @22961 has 161 MA's), (34, 23087), (39, 23111), (61, 23216), (62, 23222), (68, 23270), (71, 23279), (80, 23321), (98, 23366), (103, 23372), (124, 23477), (125, 23489), (143, 23567), (157, 23636), (194, 23864), (196, 23888), (197, 23891), (200, 23918), (201, 23921), (220, 24026), (225, 24056), (228, 24071), (245, 24161), (253, 24200), (260, 24245), (288, 24413), (318, 24530), (320, 24536), (330, 24581), (349, 24632), (350, 24635), (369, 24698), (373, 24707), (396, 24794),

Gene: Duplo_34 Start: 22597, Stop: 24450, Start Num: 18

Candidate Starts for Duplo_34:

(Start: 15 @22591 has 5 MA's), (Start: 18 @22597 has 37 MA's), (36, 22717), (56, 22807), (66, 22867), (75, 22918), (104, 23011), (110, 23035), (111, 23041), (204, 23548), (218, 23617), (236, 23704), (253, 23785), (283, 23968), (339, 24187), (342, 24199), (353, 24229), (375, 24298), (380, 24322), (383, 24331), (394, 24367),

Gene: DustyMartin_37 Start: 23534, Stop: 25366, Start Num: 12

Candidate Starts for DustyMartin_37:

(Start: 12 @23534 has 161 MA's), (21, 23567), (47, 23717), (53, 23744), (87, 23918), (92, 23939), (93, 23942), (156, 24203), (160, 24221), (199, 24482), (210, 24539), (215, 24572), (237, 24683), (249, 24752), (268, 24848), (270, 24860), (274, 24875), (275, 24899), (278, 24914), (279, 24920), (284, 24944), (294, 24986), (305, 25031), (309, 25049), (317, 25073), (335, 25148), (340, 25163), (343, 25172), (353, 25202), (367, 25244), (398, 25349), (400, 25352),

Gene: EZMoney23_35 Start: 24766, Stop: 26544, Start Num: 18

Candidate Starts for EZMoney23_35:

(Start: 18 @24766 has 37 MA's), (23, 24787), (34, 24877), (36, 24886), (56, 24970), (66, 25030), (109, 25186), (135, 25285), (156, 25375), (160, 25393), (164, 25417), (195, 25618), (199, 25657), (215, 25747), (225, 25804), (274, 26050), (278, 26089), (288, 26146), (309, 26227), (316, 26248), (340, 26341), (367, 26422),

Gene: Eagle_30 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Eagle_30:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (80, 23320), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (185, 23803), (189, 23833), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (253, 24199), (260, 24244), (286, 24406), (318, 24529), (330, 24580), (369, 24697), (373, 24706), (396, 24793),

Gene: Eaglepride_34 Start: 23450, Stop: 25285, Start Num: 12

Candidate Starts for Eaglepride_34:

(Start: 12 @23450 has 161 MA's), (21, 23483), (22, 23486), (53, 23660), (64, 23720), (93, 23858), (94, 23879), (96, 23906), (126, 23981), (128, 23987), (137, 24032), (153, 24104), (156, 24119), (160, 24137), (197, 24383), (199, 24401), (210, 24458), (215, 24491), (218, 24512), (225, 24548), (237, 24602), (247, 24653), (250, 24674), (268, 24767), (274, 24794), (275, 24818), (278, 24833), (279, 24839), (309, 24968), (316, 24989), (317, 24992), (335, 25067), (340, 25082), (343, 25091), (353, 25121), (367, 25163), (378, 25193), (386, 25223), (398, 25268),

Gene: Eapen_31 Start: 22959, Stop: 24815, Start Num: 12

Candidate Starts for Eapen_31:

(Start: 12 @22959 has 161 MA's), (34, 23085), (39, 23109), (61, 23214), (62, 23220), (68, 23268), (80, 23319), (98, 23364), (103, 23370), (124, 23475), (125, 23487), (143, 23565), (157, 23634), (194, 23862), (196, 23886), (197, 23889), (200, 23916), (201, 23919), (220, 24024), (225, 24054), (228,

24069), (245, 24159), (253, 24198), (260, 24243), (288, 24411), (318, 24528), (320, 24534), (330, 24579), (349, 24630), (350, 24633), (369, 24696), (373, 24705), (396, 24792),

Gene: Edison31_33 Start: 23483, Stop: 25318, Start Num: 12

Candidate Starts for Edison31_33:

(Start: 12 @23483 has 161 MA's), (21, 23516), (53, 23693), (91, 23885), (93, 23891), (94, 23912), (96, 23939), (149, 24119), (156, 24152), (160, 24170), (164, 24194), (180, 24302), (190, 24368), (199, 24434), (210, 24491), (215, 24524), (225, 24581), (237, 24635), (240, 24650), (249, 24704), (270, 24812), (274, 24827), (275, 24851), (278, 24866), (305, 24983), (309, 25001), (316, 25022), (317, 25025), (335, 25100), (340, 25115), (367, 25196), (378, 25226), (386, 25256), (398, 25301), (400, 25304),

Gene: EdogawaKiddo_31 Start: 24389, Stop: 26143, Start Num: 19

Candidate Starts for EdogawaKiddo_31:

(Start: 14 @24377 has 26 MA's), (19, 24389), (48, 24563), (66, 24653), (77, 24698), (79, 24707), (109, 24785), (123, 24809), (129, 24845), (156, 24974), (160, 24992), (178, 25115), (195, 25217), (197, 25238), (199, 25256), (215, 25346), (225, 25403), (249, 25526), (274, 25649), (278, 25688), (288, 25745), (309, 25826), (316, 25847), (317, 25850), (335, 25925), (340, 25940), (378, 26051), (398, 26126),

Gene: Eidsmoe_33 Start: 24443, Stop: 26209, Start Num: 14

Candidate Starts for Eidsmoe_33:

(Start: 14 @24443 has 26 MA's), (48, 24629), (66, 24719), (77, 24764), (79, 24773), (109, 24851), (123, 24875), (129, 24911), (156, 25040), (160, 25058), (195, 25283), (197, 25304), (199, 25322), (215, 25412), (225, 25469), (249, 25592), (274, 25715), (278, 25754), (288, 25811), (309, 25892), (316, 25913), (317, 25916), (340, 26006), (378, 26117), (398, 26192),

Gene: Elephantoon_32 Start: 23816, Stop: 25582, Start Num: 14

Candidate Starts for Elephantoon_32:

(Start: 14 @23816 has 26 MA's), (48, 24002), (66, 24092), (77, 24137), (79, 24146), (106, 24215), (109, 24224), (123, 24248), (129, 24284), (137, 24326), (149, 24380), (156, 24413), (160, 24431), (164, 24455), (165, 24461), (190, 24629), (195, 24656), (199, 24695), (215, 24785), (225, 24842), (239, 24908), (249, 24965), (257, 25004), (274, 25088), (278, 25127), (309, 25265), (316, 25286), (317, 25289), (340, 25379), (367, 25460), (398, 25565),

Gene: EmyBug_33 Start: 24443, Stop: 26209, Start Num: 14

Candidate Starts for EmyBug_33:

(Start: 14 @24443 has 26 MA's), (48, 24629), (66, 24719), (77, 24764), (79, 24773), (109, 24851), (123, 24875), (129, 24911), (156, 25040), (160, 25058), (195, 25283), (197, 25304), (199, 25322), (215, 25412), (225, 25469), (249, 25592), (274, 25715), (278, 25754), (288, 25811), (309, 25892), (316, 25913), (317, 25916), (340, 26006), (378, 26117), (398, 26192),

Gene: EpicPhail_33 Start: 23277, Stop: 25034, Start Num: 11

Candidate Starts for EpicPhail_33:

(Start: 11 @23277 has 115 MA's), (34, 23412), (48, 23478), (57, 23523), (64, 23559), (98, 23691), (109, 23727), (128, 23748), (141, 23805), (154, 23865), (167, 23919), (173, 23979), (193, 24099), (194, 24102), (203, 24171), (209, 24195), (225, 24288), (230, 24309), (239, 24354), (303, 24684), (320, 24753), (337, 24816), (390, 24987),

Gene: Eris_30 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Eris_30:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194,

23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Eros_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Eros_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: EtoileNova_32 Start: 23377, Stop: 25236, Start Num: 11

Candidate Starts for EtoileNova_32:

(Start: 11 @23377 has 115 MA's), (36, 23521), (40, 23539), (48, 23578), (53, 23599), (61, 23641), (64, 23659), (106, 23818), (114, 23845), (134, 23950), (137, 23971), (156, 24058), (164, 24100), (199, 24340), (215, 24430), (225, 24487), (258, 24652), (268, 24706), (270, 24718), (274, 24733), (298, 24862), (301, 24874), (317, 24934), (320, 24946), (331, 24991), (337, 25009), (384, 25156), (392, 25183), (398, 25213),

Gene: Eurydice_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for Eurydice_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (258, 24223), (260, 24241), (275, 24340), (318, 24526), (330, 24577), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: ExplosioNervosa_33 Start: 24446, Stop: 26212, Start Num: 14

Candidate Starts for ExplosioNervosa_33:

(Start: 14 @24446 has 26 MA's), (48, 24632), (66, 24722), (77, 24767), (79, 24776), (109, 24854), (123, 24878), (129, 24914), (156, 25043), (160, 25061), (195, 25286), (197, 25307), (199, 25325), (215, 25415), (225, 25472), (249, 25595), (274, 25718), (278, 25757), (288, 25814), (309, 25895), (316, 25916), (317, 25919), (340, 26009), (378, 26120), (398, 26195),

Gene: Farber_33 Start: 23270, Stop: 25027, Start Num: 11

Candidate Starts for Farber_33:

(Start: 11 @23270 has 115 MA's), (34, 23405), (48, 23471), (57, 23516), (64, 23552), (98, 23684), (109, 23720), (128, 23741), (141, 23798), (154, 23858), (167, 23912), (173, 23972), (193, 24092), (194, 24095), (203, 24164), (209, 24188), (225, 24281), (230, 24302), (239, 24347), (303, 24677), (320, 24746), (337, 24809), (390, 24980),

Gene: Fayely_33 Start: 24410, Stop: 26176, Start Num: 14

Candidate Starts for Fayely_33:

(Start: 14 @24410 has 26 MA's), (19, 24422), (48, 24596), (66, 24686), (77, 24731), (79, 24740), (109, 24818), (123, 24842), (129, 24878), (156, 25007), (160, 25025), (195, 25250), (197, 25271), (199, 25289), (215, 25379), (225, 25436), (249, 25559), (274, 25682), (278, 25721), (288, 25778), (309, 25859), (316, 25880), (317, 25883), (340, 25973), (378, 26084), (398, 26159),

Gene: Fernando_33 Start: 23276, Stop: 25033, Start Num: 11

Candidate Starts for Fernando_33:

(Start: 11 @23276 has 115 MA's), (34, 23411), (48, 23477), (57, 23522), (64, 23558), (98, 23690), (109, 23726), (128, 23747), (141, 23804), (154, 23864), (167, 23918), (173, 23978), (193, 24098),

(194, 24101), (203, 24170), (209, 24194), (225, 24287), (230, 24308), (239, 24353), (303, 24683), (320, 24752), (337, 24815), (390, 24986),

Gene: Florean_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for Florean_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (124, 23473), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (260, 24241), (288, 24409), (318, 24526), (320, 24532), (330, 24577), (349, 24628), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: Flux_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Flux_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: ForesterFrank_33 Start: 24779, Stop: 26557, Start Num: 18

Candidate Starts for ForesterFrank_33:

(Start: 18 @24779 has 37 MA's), (34, 24890), (36, 24899), (56, 24986), (64, 25034), (66, 25046), (87, 25148), (109, 25202), (122, 25223), (124, 25235), (135, 25301), (156, 25391), (160, 25409), (164, 25433), (180, 25541), (184, 25568), (186, 25577), (199, 25673), (210, 25730), (237, 25874), (249, 25943), (274, 26066), (278, 26105), (309, 26240), (316, 26261), (322, 26282), (340, 26354), (367, 26435), (386, 26495), (395, 26525), (398, 26540),

Gene: Fred313_31 Start: 22584, Stop: 24443, Start Num: 11

Candidate Starts for Fred313_31:

(Start: 11 @22584 has 115 MA's), (32, 22710), (34, 22719), (48, 22785), (53, 22806), (61, 22848), (103, 23004), (114, 23052), (125, 23121), (126, 23127), (134, 23157), (156, 23265), (160, 23283), (164, 23307), (199, 23547), (215, 23637), (238, 23754), (258, 23859), (270, 23925), (274, 23940), (307, 24111), (337, 24216), (354, 24270), (367, 24309), (384, 24363), (392, 24390), (396, 24414),

Gene: Funston_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Funston_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Gadost_31 Start: 22964, Stop: 24820, Start Num: 12

Candidate Starts for Gadost_31:

(Start: 12 @22964 has 161 MA's), (34, 23090), (39, 23114), (61, 23219), (62, 23225), (68, 23273), (71, 23282), (80, 23324), (98, 23369), (103, 23375), (124, 23480), (125, 23492), (143, 23570), (157, 23639), (194, 23867), (196, 23891), (197, 23894), (200, 23921), (201, 23924), (220, 24029), (223, 24050), (225, 24059), (245, 24164), (253, 24203), (260, 24248), (286, 24410), (288, 24416), (318, 24533), (320, 24539), (330, 24584), (349, 24635), (350, 24638), (369, 24701), (373, 24710), (396, 24797),

Gene: GaugeLDP_33 Start: 24026, Stop: 25807, Start Num: 18

Candidate Starts for GaugeLDP_33:

(Start: 18 @24026 has 37 MA's), (23, 24047), (34, 24137), (36, 24146), (37, 24152), (64, 24284), (66, 24296), (76, 24353), (80, 24371), (124, 24485), (135, 24551), (156, 24641), (160, 24659), (164, 24683), (195, 24884), (199, 24923), (215, 25013), (218, 25034), (237, 25124), (247, 25175), (250, 25196), (275, 25340), (278, 25355), (284, 25385), (309, 25490), (316, 25511), (340, 25604), (353, 25643), (367, 25685), (378, 25715), (398, 25790),

Gene: Gemma_33 Start: 23357, Stop: 25165, Start Num: 11

Candidate Starts for Gemma_33:

(Start: 11 @23357 has 115 MA's), (34, 23492), (48, 23558), (57, 23603), (64, 23639), (81, 23729), (87, 23753), (106, 23798), (122, 23828), (156, 23996), (160, 24014), (164, 24038), (187, 24200), (195, 24239), (199, 24278), (215, 24368), (247, 24530), (250, 24551), (267, 24638), (275, 24695), (278, 24710), (291, 24773), (309, 24848), (316, 24869), (340, 24962), (353, 25001), (367, 25043), (396, 25142),

Gene: GingkoMaracino_33 Start: 23163, Stop: 24920, Start Num: 11

Candidate Starts for GingkoMaracino_33:

(Start: 11 @23163 has 115 MA's), (34, 23298), (48, 23364), (57, 23409), (64, 23445), (98, 23577), (109, 23613), (128, 23634), (141, 23691), (154, 23751), (167, 23805), (173, 23865), (193, 23985), (194, 23988), (203, 24057), (209, 24081), (225, 24174), (230, 24195), (239, 24240), (303, 24570), (320, 24639), (337, 24702), (390, 24873),

Gene: Giroux_32 Start: 22838, Stop: 24697, Start Num: 11

Candidate Starts for Giroux_32:

(Start: 11 @22838 has 115 MA's), (36, 22982), (39, 22997), (48, 23039), (70, 23162), (81, 23210), (99, 23252), (103, 23258), (106, 23279), (156, 23519), (163, 23549), (169, 23597), (187, 23723), (195, 23762), (199, 23801), (210, 23858), (215, 23891), (247, 24053), (248, 24056), (258, 24113), (270, 24179), (274, 24194), (317, 24395), (353, 24521), (354, 24524), (380, 24605), (384, 24617), (392, 24644), (398, 24674),

Gene: Goose_32 Start: 23270, Stop: 25105, Start Num: 12

Candidate Starts for Goose_32:

(Start: 12 @23270 has 161 MA's), (21, 23303), (25, 23318), (81, 23630), (87, 23654), (91, 23672), (92, 23675), (93, 23678), (94, 23699), (96, 23726), (156, 23939), (160, 23957), (164, 23981), (184, 24116), (186, 24125), (199, 24221), (210, 24278), (215, 24311), (237, 24422), (249, 24491), (270, 24599), (274, 24614), (278, 24653), (279, 24659), (294, 24725), (309, 24788), (316, 24809), (317, 24812), (318, 24818), (322, 24830), (335, 24887), (340, 24902), (343, 24911), (350, 24926), (367, 24983), (386, 25043), (398, 25088), (400, 25091),

Gene: Grif_33 Start: 23360, Stop: 25111, Start Num: 11

Candidate Starts for Grif_33:

(Start: 11 @23360 has 115 MA's), (34, 23495), (48, 23561), (57, 23606), (64, 23642), (77, 23714), (81, 23732), (109, 23810), (128, 23831), (154, 23948), (177, 24086), (193, 24182), (194, 24185), (203, 24254), (209, 24278), (216, 24323), (225, 24371), (239, 24437), (271, 24608), (273, 24614), (279, 24665), (288, 24710), (308, 24788), (320, 24830), (330, 24872), (362, 24974), (363, 24977), (371, 25001),

Gene: Groupthink_34 Start: 23361, Stop: 25169, Start Num: 11

Candidate Starts for Groupthink_34:

(Start: 11 @23361 has 115 MA's), (34, 23496), (48, 23562), (57, 23607), (64, 23643), (81, 23733), (87, 23757), (106, 23802), (122, 23832), (156, 24000), (160, 24018), (164, 24042), (187, 24204), (195, 24243), (199, 24282), (215, 24372), (247, 24534), (250, 24555), (267, 24642), (275, 24699), (278, 24714), (291, 24777), (309, 24852), (316, 24873), (340, 24966), (353, 25005), (367, 25047), (396, 25146),

Gene: Grub_33 Start: 23269, Stop: 25026, Start Num: 11

Candidate Starts for Grub_33:

(Start: 11 @23269 has 115 MA's), (34, 23404), (48, 23470), (57, 23515), (64, 23551), (98, 23683), (109, 23719), (128, 23740), (141, 23797), (154, 23857), (167, 23911), (173, 23971), (193, 24091), (194, 24094), (203, 24163), (209, 24187), (225, 24280), (230, 24301), (239, 24346), (303, 24676), (320, 24745), (337, 24808), (390, 24979),

Gene: Grum1_33 Start: 23276, Stop: 25033, Start Num: 11

Candidate Starts for Grum1_33:

(Start: 11 @23276 has 115 MA's), (34, 23411), (48, 23477), (57, 23522), (64, 23558), (98, 23690), (109, 23726), (128, 23747), (141, 23804), (154, 23864), (167, 23918), (173, 23978), (193, 24098), (194, 24101), (203, 24170), (209, 24194), (225, 24287), (230, 24308), (239, 24353), (303, 24683), (320, 24752), (337, 24815), (390, 24986),

Gene: GtownJaz_33 Start: 23278, Stop: 25035, Start Num: 11

Candidate Starts for GtownJaz_33:

(Start: 11 @23278 has 115 MA's), (34, 23413), (48, 23479), (57, 23524), (64, 23560), (98, 23692), (109, 23728), (128, 23749), (141, 23806), (154, 23866), (167, 23920), (173, 23980), (193, 24100), (194, 24103), (203, 24172), (209, 24196), (225, 24289), (230, 24310), (239, 24355), (303, 24685), (320, 24754), (337, 24817), (390, 24988),

Gene: Gwennie_32 Start: 23277, Stop: 25034, Start Num: 11

Candidate Starts for Gwennie_32:

(Start: 11 @23277 has 115 MA's), (34, 23412), (48, 23478), (57, 23523), (64, 23559), (98, 23691), (109, 23727), (128, 23748), (141, 23805), (154, 23865), (167, 23919), (173, 23979), (193, 24099), (194, 24102), (203, 24171), (209, 24195), (225, 24288), (230, 24309), (239, 24354), (303, 24684), (320, 24753), (337, 24816), (390, 24987),

Gene: HamSlice_30 Start: 22958, Stop: 24814, Start Num: 12

Candidate Starts for HamSlice_30:

(Start: 12 @22958 has 161 MA's), (34, 23084), (39, 23108), (61, 23213), (62, 23219), (68, 23267), (80, 23318), (98, 23363), (103, 23369), (124, 23474), (125, 23486), (143, 23564), (157, 23633), (194, 23861), (196, 23885), (197, 23888), (200, 23915), (201, 23918), (220, 24023), (225, 24053), (228, 24068), (245, 24158), (253, 24197), (260, 24242), (288, 24410), (318, 24527), (320, 24533), (330, 24578), (349, 24629), (350, 24632), (369, 24695), (373, 24704), (396, 24791),

Gene: Hanray_32 Start: 24381, Stop: 26147, Start Num: 14

Candidate Starts for Hanray_32:

(Start: 14 @24381 has 26 MA's), (19, 24393), (48, 24567), (66, 24657), (77, 24702), (79, 24711), (109, 24789), (123, 24813), (129, 24849), (156, 24978), (160, 24996), (195, 25221), (197, 25242), (199, 25260), (215, 25350), (225, 25407), (249, 25530), (274, 25653), (278, 25692), (288, 25749), (309, 25830), (316, 25851), (317, 25854), (335, 25929), (340, 25944), (378, 26055), (398, 26130),

Gene: Happiness_31 Start: 22966, Stop: 24822, Start Num: 12

Candidate Starts for Happiness_31:

(Start: 12 @22966 has 161 MA's), (34, 23092), (39, 23116), (56, 23191), (61, 23221), (68, 23275), (71, 23284), (80, 23326), (103, 23377), (124, 23482), (125, 23494), (143, 23572), (157, 23641), (185, 23809), (189, 23839), (194, 23869), (196, 23893), (197, 23896), (200, 23923), (201, 23926), (220, 24031), (223, 24052), (225, 24061), (245, 24166), (253, 24205), (260, 24250), (286, 24412), (318, 24535), (330, 24586), (349, 24637), (350, 24640), (369, 24703), (373, 24712), (396, 24799),

Gene: HashRod_34 Start: 23364, Stop: 25115, Start Num: 11

Candidate Starts for HashRod_34:

(Start: 11 @23364 has 115 MA's), (34, 23499), (48, 23565), (57, 23610), (64, 23646), (86, 23757), (98, 23778), (109, 23814), (128, 23835), (154, 23952), (177, 24090), (193, 24186), (194, 24189), (203, 24258), (209, 24282), (216, 24327), (225, 24375), (239, 24441), (271, 24612), (273, 24618), (279, 24669), (288, 24714), (297, 24744), (308, 24792), (320, 24834), (325, 24849), (326, 24852), (330, 24876), (362, 24978), (363, 24981), (371, 25005),

Gene: HaveUMetTed_34 Start: 23354, Stop: 25162, Start Num: 11

Candidate Starts for HaveUMetTed_34:

(Start: 11 @23354 has 115 MA's), (34, 23489), (48, 23555), (57, 23600), (58, 23603), (87, 23750), (106, 23795), (122, 23825), (156, 23993), (160, 24011), (164, 24035), (187, 24197), (195, 24236), (199, 24275), (215, 24365), (247, 24527), (250, 24548), (267, 24635), (275, 24692), (278, 24707), (291, 24770), (309, 24845), (316, 24866), (340, 24959), (353, 24998), (367, 25040), (396, 25139),

Gene: Heathen_31 Start: 22640, Stop: 24499, Start Num: 11

Candidate Starts for Heathen_31:

(Start: 11 @22640 has 115 MA's), (32, 22766), (34, 22775), (48, 22841), (53, 22862), (61, 22904), (103, 23060), (114, 23108), (125, 23177), (126, 23183), (134, 23213), (156, 23321), (160, 23339), (164, 23363), (199, 23603), (215, 23693), (238, 23810), (258, 23915), (270, 23981), (274, 23996), (307, 24167), (337, 24272), (354, 24326), (367, 24365), (384, 24419), (392, 24446), (396, 24470),

Gene: Heffalump_33 Start: 24558, Stop: 26342, Start Num: 18

Candidate Starts for Heffalump_33:

(Start: 18 @24558 has 37 MA's), (23, 24579), (36, 24678), (43, 24711), (56, 24768), (62, 24804), (135, 25083), (137, 25086), (156, 25173), (160, 25191), (164, 25215), (178, 25314), (187, 25377), (195, 25416), (199, 25455), (215, 25545), (220, 25575), (226, 25605), (231, 25629), (247, 25707), (250, 25728), (275, 25872), (278, 25887), (309, 26025), (316, 26046), (340, 26139), (353, 26178), (356, 26187), (367, 26220), (378, 26250), (386, 26280), (396, 26319),

Gene: HelDan_31 Start: 22892, Stop: 24751, Start Num: 11

Candidate Starts for HelDan_31:

(Start: 11 @22892 has 115 MA's), (32, 23018), (34, 23027), (48, 23093), (53, 23114), (61, 23156), (103, 23312), (114, 23360), (125, 23429), (126, 23435), (134, 23465), (156, 23573), (160, 23591), (164, 23615), (199, 23855), (215, 23945), (238, 24062), (258, 24167), (270, 24233), (274, 24248), (307, 24419), (337, 24524), (354, 24578), (367, 24617), (384, 24671), (392, 24698), (396, 24722),

Gene: Heliosoles_33 Start: 23361, Stop: 25169, Start Num: 11

Candidate Starts for Heliosoles_33:

(Start: 11 @23361 has 115 MA's), (34, 23496), (48, 23562), (57, 23607), (64, 23643), (81, 23733), (87, 23757), (106, 23802), (122, 23832), (156, 24000), (160, 24018), (164, 24042), (187, 24204), (195, 24243), (199, 24282), (215, 24372), (247, 24534), (250, 24555), (267, 24642), (275, 24699), (278, 24714), (291, 24777), (309, 24852), (316, 24873), (340, 24966), (353, 25005), (367, 25047), (396, 25146),

Gene: Hercules11_33 Start: 23284, Stop: 25041, Start Num: 11

Candidate Starts for Hercules11_33:

(Start: 11 @23284 has 115 MA's), (34, 23419), (48, 23485), (57, 23530), (64, 23566), (98, 23698), (109, 23734), (128, 23755), (141, 23812), (154, 23872), (167, 23926), (173, 23986), (193, 24106), (194, 24109), (203, 24178), (209, 24202), (225, 24295), (230, 24316), (239, 24361), (303, 24691), (320, 24760), (337, 24823), (390, 24994),

Gene: HippoHollow_32 Start: 24484, Stop: 26271, Start Num: 17

Candidate Starts for HippoHollow_32:

(Start: 17 @24484 has 11 MA's), (23, 24508), (34, 24598), (36, 24607), (43, 24640), (56, 24697), (71, 24790), (152, 25081), (156, 25102), (160, 25120), (164, 25144), (195, 25345), (199, 25384), (215, 25474), (225, 25531), (250, 25657), (270, 25762), (278, 25816), (309, 25954), (317, 25978), (340, 26068), (353, 26107), (360, 26131), (367, 26149), (398, 26254),

Gene: Holec_32 Start: 24381, Stop: 26147, Start Num: 14

Candidate Starts for Holec_32:

(Start: 14 @24381 has 26 MA's), (19, 24393), (48, 24567), (66, 24657), (77, 24702), (79, 24711), (109, 24789), (123, 24813), (129, 24849), (156, 24978), (160, 24996), (195, 25221), (197, 25242), (199, 25260), (215, 25350), (225, 25407), (249, 25530), (274, 25653), (278, 25692), (288, 25749), (309, 25830), (316, 25851), (317, 25854), (340, 25944), (378, 26055), (398, 26130),

Gene: Holli_31 Start: 22750, Stop: 24606, Start Num: 12

Candidate Starts for Holli_31:

(Start: 12 @22750 has 161 MA's), (34, 22876), (39, 22900), (61, 23005), (62, 23011), (68, 23059), (71, 23068), (80, 23110), (98, 23155), (103, 23161), (124, 23266), (125, 23278), (143, 23356), (157, 23425), (194, 23653), (196, 23677), (197, 23680), (200, 23707), (201, 23710), (220, 23815), (225, 23845), (228, 23860), (245, 23950), (253, 23989), (260, 24034), (288, 24202), (318, 24319), (320, 24325), (330, 24370), (349, 24421), (350, 24424), (369, 24487), (373, 24496), (396, 24583),

Gene: Hookmount_32 Start: 23374, Stop: 25233, Start Num: 11

Candidate Starts for Hookmount_32:

(Start: 11 @23374 has 115 MA's), (36, 23518), (40, 23536), (48, 23575), (53, 23596), (61, 23638), (64, 23656), (106, 23815), (114, 23842), (134, 23947), (137, 23968), (156, 24055), (164, 24097), (199, 24337), (215, 24427), (225, 24484), (258, 24649), (268, 24703), (270, 24715), (274, 24730), (298, 24859), (301, 24871), (317, 24931), (320, 24943), (331, 24988), (337, 25006), (384, 25153), (392, 25180), (398, 25210),

Gene: HortumSL17_33 Start: 24377, Stop: 26143, Start Num: 14

Candidate Starts for HortumSL17_33:

(Start: 14 @24377 has 26 MA's), (19, 24389), (48, 24563), (66, 24653), (77, 24698), (79, 24707), (109, 24785), (123, 24809), (129, 24845), (156, 24974), (160, 24992), (195, 25217), (197, 25238), (199, 25256), (215, 25346), (225, 25403), (249, 25526), (274, 25649), (278, 25688), (288, 25745), (309, 25826), (316, 25847), (317, 25850), (340, 25940), (378, 26051), (398, 26126),

Gene: Houdini22_31 Start: 22964, Stop: 24820, Start Num: 12

Candidate Starts for Houdini22_31:

(Start: 12 @22964 has 161 MA's), (34, 23090), (39, 23114), (61, 23219), (62, 23225), (68, 23273), (71, 23282), (80, 23324), (98, 23369), (103, 23375), (124, 23480), (125, 23492), (143, 23570), (157, 23639), (194, 23867), (196, 23891), (197, 23894), (200, 23921), (201, 23924), (220, 24029), (223, 24050), (225, 24059), (245, 24164), (253, 24203), (260, 24248), (286, 24410), (288, 24416), (318, 24533), (320, 24539), (330, 24584), (349, 24635), (350, 24638), (369, 24701), (373, 24710), (396, 24797),

Gene: Huxley_31 Start: 23021, Stop: 24877, Start Num: 12

Candidate Starts for Huxley_31:

(Start: 12 @23021 has 161 MA's), (34, 23147), (39, 23171), (61, 23276), (62, 23282), (68, 23330), (80, 23381), (98, 23426), (103, 23432), (124, 23537), (125, 23549), (138, 23612), (143, 23627), (157, 23696), (194, 23924), (196, 23948), (197, 23951), (200, 23978), (201, 23981), (220, 24086), (223, 24107), (225, 24116), (245, 24221), (253, 24260), (260, 24305), (318, 24590), (320, 24596), (330, 24641), (349, 24692), (350, 24695), (369, 24758), (373, 24767), (396, 24854),

Gene: ICleared_31 Start: 22958, Stop: 24814, Start Num: 12

Candidate Starts for ICleared_31:

(Start: 12 @22958 has 161 MA's), (34, 23084), (39, 23108), (61, 23213), (62, 23219), (68, 23267), (80, 23318), (98, 23363), (103, 23369), (124, 23474), (125, 23486), (143, 23564), (157, 23633), (194, 23861), (196, 23885), (197, 23888), (200, 23915), (201, 23918), (220, 24023), (223, 24044), (225, 24053), (245, 24158), (253, 24197), (260, 24242), (286, 24404), (288, 24410), (318, 24527), (320, 24533), (330, 24578), (349, 24629), (350, 24632), (369, 24695), (373, 24704), (396, 24791),

Gene: Iceman_32 Start: 23249, Stop: 25105, Start Num: 12

Candidate Starts for Iceman_32:

(Start: 12 @23249 has 161 MA's), (34, 23375), (39, 23399), (61, 23504), (62, 23510), (68, 23558), (80, 23609), (98, 23654), (103, 23660), (124, 23765), (125, 23777), (143, 23855), (157, 23924), (194, 24152), (196, 24176), (197, 24179), (200, 24206), (201, 24209), (220, 24314), (225, 24344), (228, 24359), (245, 24449), (253, 24488), (260, 24533), (288, 24701), (317, 24812), (318, 24818), (320, 24824), (330, 24869), (349, 24920), (350, 24923), (369, 24986), (373, 24995), (396, 25082),

Gene: Idleandcovert_31 Start: 22838, Stop: 24697, Start Num: 11

Candidate Starts for Idleandcovert_31:

(Start: 11 @22838 has 115 MA's), (36, 22982), (39, 22997), (48, 23039), (70, 23162), (81, 23210), (99, 23252), (103, 23258), (106, 23279), (156, 23519), (163, 23549), (169, 23597), (187, 23723), (195, 23762), (199, 23801), (210, 23858), (215, 23891), (247, 24053), (248, 24056), (258, 24113), (270, 24179), (274, 24194), (317, 24395), (353, 24521), (354, 24524), (380, 24605), (384, 24617), (392, 24644), (398, 24674),

Gene: Iracema64_32 Start: 23268, Stop: 25124, Start Num: 12

Candidate Starts for Iracema64_32:

(Start: 12 @23268 has 161 MA's), (34, 23394), (39, 23418), (61, 23523), (62, 23529), (68, 23577), (71, 23586), (80, 23628), (98, 23673), (103, 23679), (124, 23784), (125, 23796), (138, 23859), (143, 23874), (157, 23943), (185, 24111), (194, 24171), (197, 24198), (200, 24225), (201, 24228), (220, 24333), (223, 24354), (225, 24363), (245, 24468), (260, 24552), (275, 24651), (318, 24837), (320, 24843), (330, 24888), (349, 24939), (350, 24942), (369, 25005), (373, 25014), (396, 25101),

Gene: IronMan_34 Start: 24846, Stop: 26621, Start Num: 18

Candidate Starts for IronMan_34:

(6, 24744), (Start: 18 @24846 has 37 MA's), (23, 24867), (34, 24957), (36, 24966), (49, 25023), (56, 25050), (58, 25065), (71, 25143), (103, 25236), (106, 25257), (122, 25287), (124, 25299), (149, 25422), (156, 25455), (160, 25473), (164, 25497), (182, 25611), (195, 25698), (199, 25737), (210, 25794), (247, 25989), (250, 26010), (275, 26154), (278, 26169), (309, 26304), (317, 26328), (340, 26418), (367, 26499), (398, 26604),

Gene: Isca_31 Start: 22776, Stop: 24635, Start Num: 11

Candidate Starts for Isca_31:

(Start: 11 @22776 has 115 MA's), (32, 22902), (36, 22920), (39, 22935), (48, 22977), (103, 23196), (106, 23217), (114, 23244), (126, 23319), (134, 23349), (156, 23457), (160, 23475), (164, 23499), (199, 23739), (210, 23796), (215, 23829), (233, 23922), (238, 23946), (258, 24051), (270, 24117), (274, 24132), (307, 24303), (337, 24408), (353, 24459), (354, 24462), (367, 24501), (384, 24555), (392, 24582), (396, 24606),

Gene: JF2_31 Start: 22527, Stop: 24386, Start Num: 11

Candidate Starts for JF2_31:

(Start: 11 @22527 has 115 MA's), (32, 22653), (36, 22671), (39, 22686), (48, 22728), (61, 22791), (102, 22944), (103, 22947), (106, 22968), (114, 22995), (126, 23070), (137, 23121), (156, 23208), (164, 23250), (199, 23490), (210, 23547), (215, 23580), (233, 23673), (238, 23697), (258, 23802), (270, 23868), (274, 23883), (307, 24054), (337, 24159), (354, 24213), (367, 24252), (382, 24300),

(384, 24306), (392, 24333), (396, 24357),

Gene: JF4_31 Start: 22527, Stop: 24386, Start Num: 11

Candidate Starts for JF4_31:

(Start: 11 @22527 has 115 MA's), (32, 22653), (36, 22671), (39, 22686), (48, 22728), (61, 22791), (102, 22944), (103, 22947), (106, 22968), (114, 22995), (126, 23070), (137, 23121), (156, 23208), (164, 23250), (199, 23490), (210, 23547), (215, 23580), (233, 23673), (238, 23697), (258, 23802), (270, 23868), (274, 23883), (307, 24054), (337, 24159), (354, 24213), (367, 24252), (382, 24300), (384, 24306), (392, 24333), (396, 24357),

Gene: JHC117_33 Start: 23275, Stop: 25032, Start Num: 11

Candidate Starts for JHC117_33:

(Start: 11 @23275 has 115 MA's), (34, 23410), (48, 23476), (57, 23521), (64, 23557), (98, 23689), (109, 23725), (128, 23746), (141, 23803), (154, 23863), (167, 23917), (173, 23977), (193, 24097), (194, 24100), (203, 24169), (209, 24193), (225, 24286), (230, 24307), (239, 24352), (303, 24682), (320, 24751), (337, 24814), (390, 24985),

Gene: Jaan_35 Start: 25218, Stop: 26993, Start Num: 12

Candidate Starts for Jaan_35:

(9, 25179), (Start: 12 @25218 has 161 MA's), (34, 25329), (36, 25338), (49, 25395), (56, 25422), (71, 25515), (103, 25608), (106, 25629), (122, 25659), (124, 25671), (149, 25794), (156, 25827), (160, 25845), (164, 25869), (182, 25983), (185, 26007), (195, 26070), (199, 26109), (201, 26121), (210, 26166), (247, 26361), (250, 26382), (278, 26541), (279, 26547), (294, 26613), (309, 26676), (316, 26697), (340, 26790), (367, 26871), (378, 26901), (386, 26931), (398, 26976),

Gene: Jaykayelowell_31 Start: 22956, Stop: 24812, Start Num: 12

Candidate Starts for Jaykayelowell_31:

(Start: 12 @22956 has 161 MA's), (34, 23082), (39, 23106), (61, 23211), (62, 23217), (68, 23265), (80, 23316), (98, 23361), (103, 23367), (124, 23472), (125, 23484), (143, 23562), (157, 23631), (194, 23859), (197, 23886), (200, 23913), (201, 23916), (220, 24021), (225, 24051), (228, 24066), (245, 24156), (253, 24195), (260, 24240), (288, 24408), (318, 24525), (320, 24531), (330, 24576), (349, 24627), (350, 24630), (369, 24693), (373, 24702), (396, 24789),

Gene: Jeeves_31 Start: 21978, Stop: 23861, Start Num: 2

Candidate Starts for Jeeves_31:

(Start: 2 @21978 has 1 MA's), (4, 21984), (26, 22194), (28, 22227), (33, 22251), (38, 22272), (54, 22347), (67, 22437), (107, 22551), (136, 22692), (158, 22746), (181, 22881), (188, 22935), (202, 23019), (219, 23118), (227, 23163), (246, 23247), (263, 23346), (268, 23370), (278, 23436), (280, 23451), (308, 23571), (321, 23598), (352, 23688), (365, 23724), (372, 23748), (379, 23781), (393, 23823), (397, 23850), (399, 23853),

Gene: JenCasNa_33 Start: 23276, Stop: 25033, Start Num: 11

Candidate Starts for JenCasNa_33:

(Start: 11 @23276 has 115 MA's), (34, 23411), (48, 23477), (57, 23522), (64, 23558), (98, 23690), (109, 23726), (128, 23747), (141, 23804), (154, 23864), (167, 23918), (173, 23978), (193, 24098), (194, 24101), (203, 24170), (209, 24194), (225, 24287), (230, 24308), (239, 24353), (303, 24683), (320, 24752), (337, 24815), (390, 24986),

Gene: JeppNRM_34 Start: 23360, Stop: 25168, Start Num: 11

Candidate Starts for JeppNRM_34:

(Start: 11 @23360 has 115 MA's), (34, 23495), (48, 23561), (57, 23606), (58, 23609), (77, 23714), (87, 23756), (106, 23801), (122, 23831), (150, 23972), (156, 23999), (160, 24017), (164, 24041), (187, 24203), (195, 24242), (199, 24281), (215, 24371), (247, 24533), (250, 24554), (267, 24641), (275,

24698), (278, 24713), (291, 24776), (309, 24851), (316, 24872), (340, 24965), (353, 25004), (367, 25046), (396, 25145),

Gene: JetBlade_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for JetBlade_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (124, 23473), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (260, 24241), (288, 24409), (318, 24526), (320, 24532), (330, 24577), (349, 24628), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: Jiawan_32 Start: 24413, Stop: 26179, Start Num: 14

Candidate Starts for Jiawan_32:

(Start: 14 @24413 has 26 MA's), (19, 24425), (48, 24599), (66, 24689), (77, 24734), (79, 24743), (109, 24821), (123, 24845), (129, 24881), (156, 25010), (160, 25028), (195, 25253), (197, 25274), (199, 25292), (215, 25382), (225, 25439), (249, 25562), (274, 25685), (278, 25724), (288, 25781), (309, 25862), (316, 25883), (317, 25886), (335, 25961), (340, 25976), (378, 26087), (398, 26162),

Gene: Jobu08_33 Start: 23349, Stop: 25154, Start Num: 11

Candidate Starts for Jobu08_33:

(Start: 11 @23349 has 115 MA's), (34, 23484), (48, 23550), (57, 23595), (77, 23703), (87, 23745), (106, 23790), (122, 23820), (156, 23988), (160, 24006), (164, 24030), (185, 24168), (187, 24192), (195, 24231), (199, 24270), (215, 24360), (247, 24522), (250, 24543), (267, 24630), (278, 24702), (284, 24732), (294, 24774), (309, 24837), (317, 24861), (335, 24936), (340, 24951), (353, 24990), (367, 25032), (398, 25137),

Gene: JoongJeon_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for JoongJeon_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Journey13_29 Start: 21908, Stop: 23737, Start Num: 18

Candidate Starts for Journey13_29:

(Start: 18 @21908 has 37 MA's), (38, 22037), (39, 22043), (62, 22154), (66, 22178), (103, 22313), (110, 22346), (111, 22352), (148, 22532), (204, 22850), (224, 22952), (227, 22973), (229, 22979), (232, 22994), (244, 23054), (250, 23081), (289, 23300), (365, 23564), (380, 23624), (403, 23726), (404, 23729),

Gene: Jsquared_30 Start: 21719, Stop: 23470, Start Num: 18

Candidate Starts for Jsquared_30:

(Start: 18 @21719 has 37 MA's), (23, 21740), (36, 21839), (39, 21854), (56, 21929), (62, 21965), (64, 21977), (66, 21989), (68, 22013), (70, 22019), (89, 22100), (104, 22133), (110, 22157), (111, 22163), (125, 22235), (148, 22343), (204, 22661), (227, 22781), (242, 22850), (283, 23081), (300, 23156), (304, 23168), (306, 23177), (315, 23216), (376, 23411), (382, 23438), (383, 23441), (386, 23453),

Gene: KADY_34 Start: 23364, Stop: 25115, Start Num: 11

Candidate Starts for KADY_34:

(Start: 11 @23364 has 115 MA's), (34, 23499), (48, 23565), (57, 23610), (64, 23646), (86, 23757), (98, 23778), (109, 23814), (128, 23835), (154, 23952), (177, 24090), (193, 24186), (194, 24189), (203, 24258), (209, 24282), (216, 24327), (225, 24375), (239, 24441), (271, 24612), (273, 24618), (279,

24669), (288, 24714), (297, 24744), (308, 24792), (320, 24834), (325, 24849), (326, 24852), (330, 24876), (362, 24978), (363, 24981), (371, 25005),

Gene: KFPoly_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for KFPoly_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (124, 23473), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (223, 24043), (225, 24052), (245, 24157), (253, 24196), (260, 24241), (288, 24409), (318, 24526), (320, 24532), (330, 24577), (349, 24628), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: Kachowdy_31 Start: 22892, Stop: 24751, Start Num: 11

Candidate Starts for Kachowdy_31:

(Start: 11 @22892 has 115 MA's), (32, 23018), (34, 23027), (48, 23093), (53, 23114), (61, 23156), (103, 23312), (114, 23360), (125, 23429), (126, 23435), (134, 23465), (156, 23573), (160, 23591), (164, 23615), (199, 23855), (215, 23945), (238, 24062), (258, 24167), (270, 24233), (274, 24248), (307, 24419), (337, 24524), (354, 24578), (367, 24617), (384, 24671), (392, 24698), (396, 24722),

Gene: Kalb97_34 Start: 23360, Stop: 25168, Start Num: 11

Candidate Starts for Kalb97_34:

(Start: 11 @23360 has 115 MA's), (34, 23495), (48, 23561), (57, 23606), (64, 23642), (81, 23732), (87, 23756), (106, 23801), (122, 23831), (156, 23999), (160, 24017), (164, 24041), (187, 24203), (195, 24242), (199, 24281), (215, 24371), (247, 24533), (250, 24554), (267, 24641), (275, 24698), (278, 24713), (291, 24776), (309, 24851), (316, 24872), (340, 24965), (353, 25004), (356, 25013), (367, 25046), (396, 25145),

Gene: Kalnoky_34 Start: 23361, Stop: 25169, Start Num: 11

Candidate Starts for Kalnoky_34:

(Start: 11 @23361 has 115 MA's), (34, 23496), (48, 23562), (57, 23607), (58, 23610), (77, 23715), (87, 23757), (106, 23802), (122, 23832), (150, 23973), (156, 24000), (160, 24018), (164, 24042), (187, 24204), (195, 24243), (199, 24282), (215, 24372), (247, 24534), (250, 24555), (267, 24642), (275, 24699), (278, 24714), (291, 24777), (309, 24852), (316, 24873), (340, 24966), (353, 25005), (367, 25047), (396, 25146),

Gene: Kalpine_34 Start: 24570, Stop: 26348, Start Num: 15

Candidate Starts for Kalpine_34:

(Start: 15 @24570 has 5 MA's), (34, 24684), (36, 24693), (64, 24825), (135, 25092), (156, 25182), (160, 25200), (195, 25425), (199, 25464), (201, 25476), (215, 25554), (225, 25611), (237, 25665), (249, 25734), (273, 25851), (278, 25896), (290, 25953), (309, 26031), (316, 26052), (322, 26073), (340, 26145), (367, 26226), (378, 26256), (386, 26286), (398, 26331),

Gene: Kampy_31 Start: 22958, Stop: 24814, Start Num: 12

Candidate Starts for Kampy_31:

(Start: 12 @22958 has 161 MA's), (34, 23084), (39, 23108), (61, 23213), (62, 23219), (68, 23267), (71, 23276), (80, 23318), (98, 23363), (103, 23369), (124, 23474), (125, 23486), (143, 23564), (157, 23633), (194, 23861), (196, 23885), (197, 23888), (200, 23915), (201, 23918), (220, 24023), (225, 24053), (228, 24068), (245, 24158), (253, 24197), (258, 24224), (260, 24242), (275, 24341), (318, 24527), (330, 24578), (350, 24632), (369, 24695), (373, 24704), (396, 24791),

Gene: Katalie136_31 Start: 22972, Stop: 24831, Start Num: 12

Candidate Starts for Katalie136_31:

(7, 22912), (Start: 12 @22972 has 161 MA's), (26, 23038), (30, 23083), (32, 23089), (39, 23122), (43, 23140), (53, 23185), (55, 23191), (56, 23197), (71, 23290), (74, 23305), (98, 23377), (115, 23437),

(124, 23488), (125, 23500), (143, 23578), (157, 23647), (176, 23770), (181, 23794), (194, 23875), (199, 23920), (200, 23929), (201, 23932), (223, 24061), (225, 24070), (235, 24112), (239, 24139), (245, 24175), (249, 24202), (253, 24214), (277, 24370), (318, 24544), (320, 24550), (330, 24595), (349, 24646), (350, 24649), (359, 24685), (373, 24721),

Gene: KekoraPapaka_30 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for KekoraPapaka_30:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Kerberos_34 Start: 22559, Stop: 24412, Start Num: 18

Candidate Starts for Kerberos_34:

(Start: 15 @22553 has 5 MA's), (Start: 18 @22559 has 37 MA's), (36, 22679), (56, 22769), (66, 22829), (75, 22880), (104, 22973), (110, 22997), (111, 23003), (204, 23510), (218, 23579), (236, 23666), (253, 23747), (283, 23930), (339, 24149), (342, 24161), (353, 24191), (375, 24260), (380, 24284), (383, 24293), (394, 24329),

Gene: Kimona_28 Start: 20738, Stop: 22444, Start Num: 12

Candidate Starts for Kimona_28:

(Start: 12 @20738 has 161 MA's), (21, 20771), (25, 20786), (48, 20936), (49, 20942), (68, 21053), (70, 21059), (104, 21116), (124, 21185), (130, 21218), (133, 21230), (166, 21389), (227, 21752), (287, 22079), (293, 22100), (296, 22112), (308, 22166), (315, 22190), (339, 22271), (374, 22379), (380, 22409), (388, 22436),

Gene: Kingmustik0402_31 Start: 22952, Stop: 24808, Start Num: 12

Candidate Starts for Kingmustik0402_31:

(Start: 12 @22952 has 161 MA's), (34, 23078), (39, 23102), (61, 23207), (62, 23213), (68, 23261), (71, 23270), (80, 23312), (98, 23357), (103, 23363), (124, 23468), (125, 23480), (143, 23558), (157, 23627), (194, 23855), (196, 23879), (197, 23882), (200, 23909), (201, 23912), (220, 24017), (225, 24047), (228, 24062), (245, 24152), (253, 24191), (260, 24236), (288, 24404), (318, 24521), (320, 24527), (330, 24572), (349, 24623), (350, 24626), (369, 24689), (373, 24698), (396, 24785),

Gene: Kinmap_32 Start: 22357, Stop: 24255, Start Num: 2

Candidate Starts for Kinmap_32:

(1, 22222), (Start: 2 @22357 has 1 MA's), (4, 22363), (13, 22507), (33, 22630), (45, 22696), (50, 22717), (107, 22936), (119, 22978), (136, 23077), (175, 23281), (188, 23362), (191, 23374), (202, 23446), (206, 23470), (217, 23536), (278, 23863), (280, 23878), (368, 24130), (375, 24154), (397, 24244), (399, 24247),

Gene: Klodlith_31 Start: 22328, Stop: 23986, Start Num: 17

Candidate Starts for Klodlith_31:

(Start: 17 @22328 has 11 MA's), (43, 22484), (49, 22514), (60, 22565), (70, 22631), (82, 22679), (90, 22703), (121, 22778), (151, 22892), (171, 23003), (199, 23183), (206, 23219), (227, 23339), (251, 23453), (254, 23465), (278, 23612), (280, 23627), (292, 23681), (361, 23837), (372, 23870),

Gene: Koan_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Koan_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225,

24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Koduck_32 Start: 21936, Stop: 23582, Start Num: 18

Candidate Starts for Koduck_32:

(Start: 18 @21936 has 37 MA's), (36, 22056), (39, 22071), (56, 22146), (64, 22194), (66, 22206), (76, 22263), (110, 22374), (111, 22380), (125, 22452), (169, 22671), (192, 22785), (204, 22869), (206, 22875), (213, 22911), (227, 22995), (243, 23073), (262, 23169), (269, 23208), (283, 23295), (300, 23367), (319, 23442), (324, 23454), (328, 23463), (336, 23493), (358, 23562),

Gene: Koreni_30 Start: 22606, Stop: 24462, Start Num: 12

Candidate Starts for Koreni_30:

(Start: 12 @22606 has 161 MA's), (34, 22732), (39, 22756), (61, 22861), (62, 22867), (68, 22915), (71, 22924), (80, 22966), (98, 23011), (103, 23017), (124, 23122), (125, 23134), (143, 23212), (157, 23281), (194, 23509), (196, 23533), (197, 23536), (200, 23563), (201, 23566), (220, 23671), (223, 23692), (225, 23701), (245, 23806), (253, 23845), (260, 23890), (286, 24052), (288, 24058), (318, 24175), (320, 24181), (330, 24226), (349, 24277), (350, 24280), (369, 24343), (373, 24352), (396, 24439),

Gene: Kratak_31 Start: 22952, Stop: 24808, Start Num: 12

Candidate Starts for Kratak_31:

(Start: 12 @22952 has 161 MA's), (34, 23078), (39, 23102), (61, 23207), (62, 23213), (68, 23261), (80, 23312), (98, 23357), (103, 23363), (124, 23468), (125, 23480), (138, 23543), (143, 23558), (157, 23627), (194, 23855), (196, 23879), (197, 23882), (200, 23909), (201, 23912), (220, 24017), (223, 24038), (225, 24047), (245, 24152), (253, 24191), (260, 24236), (275, 24335), (318, 24521), (320, 24527), (330, 24572), (349, 24623), (350, 24626), (369, 24689), (373, 24698), (396, 24785),

Gene: Kremtemulon_31 Start: 23008, Stop: 24867, Start Num: 12

Candidate Starts for Kremtemulon_31:

(Start: 12 @23008 has 161 MA's), (34, 23134), (39, 23158), (61, 23263), (62, 23269), (68, 23317), (71, 23326), (80, 23368), (103, 23419), (124, 23524), (125, 23536), (143, 23614), (157, 23683), (194, 23911), (197, 23938), (200, 23965), (201, 23968), (220, 24073), (225, 24103), (228, 24118), (245, 24208), (253, 24247), (258, 24274), (260, 24292), (320, 24583), (340, 24661), (344, 24673), (349, 24679), (359, 24718), (369, 24745), (372, 24751), (396, 24844),

Gene: Kristoff_34 Start: 23647, Stop: 25482, Start Num: 12

Candidate Starts for Kristoff_34:

(Start: 12 @23647 has 161 MA's), (21, 23680), (53, 23857), (91, 24049), (93, 24055), (94, 24076), (96, 24103), (149, 24283), (156, 24316), (160, 24334), (164, 24358), (180, 24466), (199, 24598), (210, 24655), (215, 24688), (225, 24745), (237, 24799), (240, 24814), (249, 24868), (270, 24976), (274, 24991), (275, 25015), (278, 25030), (305, 25147), (309, 25165), (316, 25186), (317, 25189), (335, 25264), (340, 25279), (367, 25360), (378, 25390), (386, 25420), (398, 25465), (400, 25468),

Gene: Kyee_31 Start: 22958, Stop: 24814, Start Num: 12

Candidate Starts for Kyee_31:

(Start: 12 @22958 has 161 MA's), (34, 23084), (39, 23108), (61, 23213), (62, 23219), (68, 23267), (71, 23276), (80, 23318), (98, 23363), (103, 23369), (124, 23474), (125, 23486), (143, 23564), (157, 23633), (194, 23861), (196, 23885), (197, 23888), (200, 23915), (201, 23918), (220, 24023), (223, 24044), (225, 24053), (245, 24158), (253, 24197), (260, 24242), (288, 24410), (318, 24527), (320, 24533), (330, 24578), (349, 24629), (350, 24632), (369, 24695), (373, 24704), (396, 24791),

Gene: L5_31 Start: 21890, Stop: 23536, Start Num: 18

Candidate Starts for L5_31:

(Start: 18 @21890 has 37 MA's), (36, 22010), (39, 22025), (56, 22100), (64, 22148), (66, 22160), (89, 22271), (110, 22328), (111, 22334), (125, 22406), (169, 22625), (192, 22739), (204, 22823), (206, 22829), (213, 22865), (227, 22949), (243, 23027), (262, 23123), (269, 23162), (283, 23249), (324, 23408), (336, 23447),

Gene: LBerry_33 Start: 23277, Stop: 25034, Start Num: 11

Candidate Starts for LBerry_33:

(Start: 11 @23277 has 115 MA's), (34, 23412), (48, 23478), (57, 23523), (64, 23559), (98, 23691), (109, 23727), (128, 23748), (141, 23805), (154, 23865), (167, 23919), (173, 23979), (193, 24099), (194, 24102), (203, 24171), (209, 24195), (225, 24288), (230, 24309), (239, 24354), (303, 24684), (320, 24753), (337, 24816), (390, 24987),

Gene: LHTSCC_32 Start: 23274, Stop: 25130, Start Num: 12

Candidate Starts for LHTSCC_32:

(Start: 12 @23274 has 161 MA's), (34, 23400), (39, 23424), (61, 23529), (62, 23535), (68, 23583), (80, 23634), (103, 23685), (124, 23790), (125, 23802), (143, 23880), (157, 23949), (185, 24117), (189, 24147), (194, 24177), (196, 24201), (197, 24204), (200, 24231), (201, 24234), (220, 24339), (223, 24360), (225, 24369), (253, 24513), (260, 24558), (286, 24720), (318, 24843), (330, 24894), (369, 25011), (373, 25020), (396, 25107),

Gene: Lambert1_32 Start: 23373, Stop: 25232, Start Num: 11

Candidate Starts for Lambert1_32:

(Start: 11 @23373 has 115 MA's), (36, 23517), (40, 23535), (48, 23574), (53, 23595), (61, 23637), (64, 23655), (106, 23814), (114, 23841), (134, 23946), (137, 23967), (156, 24054), (164, 24096), (199, 24336), (215, 24426), (225, 24483), (258, 24648), (268, 24702), (270, 24714), (274, 24729), (298, 24858), (301, 24870), (317, 24930), (320, 24942), (331, 24987), (337, 25005), (384, 25152), (392, 25179), (398, 25209),

Gene: Landor_33 Start: 24870, Stop: 26645, Start Num: 12

Candidate Starts for Landor_33:

(9, 24831), (Start: 12 @24870 has 161 MA's), (34, 24981), (36, 24990), (49, 25047), (56, 25074), (71, 25167), (103, 25260), (106, 25281), (122, 25311), (124, 25323), (149, 25446), (156, 25479), (160, 25497), (164, 25521), (182, 25635), (187, 25683), (195, 25722), (199, 25761), (201, 25773), (210, 25818), (247, 26013), (250, 26034), (268, 26127), (278, 26193), (294, 26265), (309, 26328), (335, 26427), (340, 26442), (367, 26523), (386, 26583), (398, 26628),

Gene: LappelDuVide_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for LappelDuVide_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (80, 23317), (98, 23362), (103, 23368), (124, 23473), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (260, 24241), (288, 24409), (318, 24526), (320, 24532), (330, 24577), (349, 24628), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: LarryKay_33 Start: 23366, Stop: 25117, Start Num: 11

Candidate Starts for LarryKay_33:

(Start: 11 @23366 has 115 MA's), (34, 23501), (48, 23567), (57, 23612), (64, 23648), (86, 23759), (98, 23780), (109, 23816), (128, 23837), (154, 23954), (177, 24092), (193, 24188), (194, 24191), (203, 24260), (209, 24284), (216, 24329), (225, 24377), (239, 24443), (271, 24614), (273, 24620), (279, 24671), (288, 24716), (297, 24746), (308, 24794), (320, 24836), (325, 24851), (326, 24854), (330, 24878), (362, 24980), (363, 24983), (371, 25007),

Gene: Lemur_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for Lemur_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (124, 23473), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (260, 24241), (288, 24409), (318, 24526), (320, 24532), (330, 24577), (349, 24628), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: LeoAvram_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for LeoAvram_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (124, 23473), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (260, 24241), (275, 24340), (318, 24526), (330, 24577), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: Leogania_33 Start: 24913, Stop: 26691, Start Num: 12

Candidate Starts for Leogania_33:

(Start: 12 @24913 has 161 MA's), (34, 25024), (36, 25033), (56, 25120), (109, 25336), (122, 25357), (124, 25369), (152, 25504), (156, 25525), (160, 25543), (164, 25567), (180, 25675), (199, 25807), (210, 25864), (215, 25897), (225, 25954), (270, 26185), (275, 26224), (278, 26239), (309, 26374), (317, 26398), (318, 26404), (335, 26473), (340, 26488), (353, 26527), (356, 26536), (367, 26569), (398, 26674), (402, 26683),

Gene: Lilith_33 Start: 23270, Stop: 25027, Start Num: 11

Candidate Starts for Lilith_33:

(Start: 11 @23270 has 115 MA's), (34, 23405), (48, 23471), (57, 23516), (64, 23552), (98, 23684), (109, 23720), (128, 23741), (141, 23798), (154, 23858), (167, 23912), (173, 23972), (193, 24092), (194, 24095), (203, 24164), (209, 24188), (225, 24281), (230, 24302), (239, 24347), (303, 24677), (320, 24746), (337, 24809), (390, 24980),

Gene: Lilleskat_31 Start: 24377, Stop: 26143, Start Num: 14

Candidate Starts for Lilleskat_31:

(Start: 14 @24377 has 26 MA's), (19, 24389), (48, 24563), (66, 24653), (77, 24698), (79, 24707), (109, 24785), (123, 24809), (129, 24845), (156, 24974), (160, 24992), (195, 25217), (197, 25238), (199, 25256), (215, 25346), (225, 25403), (249, 25526), (274, 25649), (278, 25688), (288, 25745), (309, 25826), (316, 25847), (317, 25850), (340, 25940), (378, 26051), (398, 26126),

Gene: LionsBait_32 Start: 24478, Stop: 26265, Start Num: 17

Candidate Starts for LionsBait_32:

(Start: 17 @24478 has 11 MA's), (23, 24502), (34, 24592), (36, 24601), (43, 24634), (56, 24691), (71, 24784), (152, 25075), (156, 25096), (160, 25114), (164, 25138), (195, 25339), (199, 25378), (215, 25468), (225, 25525), (250, 25651), (270, 25756), (278, 25810), (309, 25948), (317, 25972), (340, 26062), (353, 26101), (360, 26125), (367, 26143), (398, 26248),

Gene: LittleB_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for LittleB_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: LittleGuy_31 Start: 22903, Stop: 24762, Start Num: 12

Candidate Starts for LittleGuy_31:

(Start: 12 @22903 has 161 MA's), (34, 23029), (39, 23053), (61, 23158), (62, 23164), (68, 23212), (71, 23221), (80, 23263), (98, 23308), (103, 23314), (124, 23419), (125, 23431), (143, 23509), (157, 23578), (200, 23860), (201, 23863), (220, 23968), (225, 23998), (245, 24103), (253, 24142), (258, 24169), (260, 24187), (320, 24478), (340, 24556), (344, 24568), (349, 24574), (359, 24613), (369, 24640), (372, 24646), (373, 24649), (396, 24739),

Gene: LochMonster_31 Start: 22932, Stop: 24788, Start Num: 12

Candidate Starts for LochMonster_31:

(Start: 12 @22932 has 161 MA's), (34, 23058), (39, 23082), (61, 23187), (62, 23193), (68, 23241), (71, 23250), (80, 23292), (98, 23337), (103, 23343), (124, 23448), (125, 23460), (138, 23523), (143, 23538), (157, 23607), (185, 23775), (194, 23835), (197, 23862), (200, 23889), (201, 23892), (220, 23997), (223, 24018), (225, 24027), (245, 24132), (260, 24216), (275, 24315), (318, 24501), (320, 24507), (330, 24552), (349, 24603), (350, 24606), (369, 24669), (373, 24678), (396, 24765),

Gene: Loko_34 Start: 24358, Stop: 26142, Start Num: 17

Candidate Starts for Loko_34:

(Start: 17 @24358 has 11 MA's), (23, 24382), (34, 24472), (36, 24481), (48, 24538), (135, 24886), (137, 24889), (156, 24976), (160, 24994), (164, 25018), (180, 25126), (195, 25219), (199, 25258), (215, 25348), (226, 25408), (237, 25459), (247, 25510), (250, 25531), (259, 25576), (275, 25675), (278, 25690), (281, 25708), (316, 25846), (322, 25867), (340, 25939), (347, 25957), (353, 25978), (359, 25999), (367, 26020), (386, 26080), (398, 26125),

Gene: LoneWolf_32 Start: 23970, Stop: 25736, Start Num: 14

Candidate Starts for LoneWolf_32:

(Start: 14 @23970 has 26 MA's), (48, 24156), (59, 24204), (66, 24246), (77, 24291), (79, 24300), (87, 24324), (106, 24369), (109, 24378), (123, 24402), (129, 24438), (156, 24567), (160, 24585), (165, 24615), (168, 24624), (190, 24783), (195, 24810), (199, 24849), (215, 24939), (225, 24996), (239, 25062), (249, 25119), (274, 25242), (278, 25281), (309, 25419), (316, 25440), (317, 25443), (330, 25500), (340, 25533), (378, 25644), (398, 25719),

Gene: Lorenzo_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Lorenzo_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (286, 24406), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Loser_35 Start: 25033, Stop: 26811, Start Num: 18

Candidate Starts for Loser_35:

(Start: 18 @25033 has 37 MA's), (34, 25144), (36, 25153), (44, 25186), (56, 25240), (62, 25276), (64, 25288), (66, 25300), (106, 25447), (109, 25456), (122, 25477), (124, 25489), (135, 25555), (152, 25624), (156, 25645), (160, 25663), (164, 25687), (178, 25786), (180, 25795), (199, 25927), (210, 25984), (215, 26017), (225, 26074), (237, 26128), (249, 26197), (274, 26320), (278, 26359), (288, 26413), (309, 26494), (316, 26515), (322, 26536), (340, 26608), (367, 26689),

Gene: Louie6_33 Start: 23364, Stop: 25115, Start Num: 11

Candidate Starts for Louie6_33:

(Start: 11 @23364 has 115 MA's), (34, 23499), (48, 23565), (57, 23610), (64, 23646), (86, 23757), (98, 23778), (109, 23814), (128, 23835), (154, 23952), (177, 24090), (193, 24186), (194, 24189), (203, 24258), (209, 24282), (216, 24327), (225, 24375), (239, 24441), (271, 24612), (273, 24618), (279, 24669), (288, 24714), (297, 24744), (308, 24792), (320, 24834), (325, 24849), (326, 24852), (330,

24876), (362, 24978), (363, 24981), (371, 25005),

Gene: Lova_33 Start: 23269, Stop: 25026, Start Num: 11

Candidate Starts for Lova_33:

(Start: 11 @23269 has 115 MA's), (34, 23404), (48, 23470), (57, 23515), (64, 23551), (98, 23683), (109, 23719), (128, 23740), (141, 23797), (154, 23857), (167, 23911), (173, 23971), (193, 24091), (194, 24094), (203, 24163), (209, 24187), (225, 24280), (230, 24301), (239, 24346), (303, 24676), (320, 24745), (337, 24808), (390, 24979),

Gene: LugYA_35 Start: 23277, Stop: 25034, Start Num: 11

Candidate Starts for LugYA_35:

(Start: 11 @23277 has 115 MA's), (34, 23412), (48, 23478), (57, 23523), (64, 23559), (98, 23691), (109, 23727), (128, 23748), (141, 23805), (154, 23865), (167, 23919), (173, 23979), (193, 24099), (194, 24102), (203, 24171), (209, 24195), (225, 24288), (230, 24309), (239, 24354), (303, 24684), (320, 24753), (337, 24816), (390, 24987),

Gene: Lunsford_32 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for Lunsford_32:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (80, 23317), (98, 23362), (103, 23368), (124, 23473), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (260, 24241), (288, 24409), (318, 24526), (320, 24532), (330, 24577), (349, 24628), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: MA5_31 Start: 22455, Stop: 24314, Start Num: 11

Candidate Starts for MA5_31:

(Start: 11 @22455 has 115 MA's), (27, 22533), (36, 22599), (48, 22656), (63, 22731), (103, 22875), (106, 22896), (114, 22923), (126, 22998), (137, 23049), (156, 23136), (160, 23154), (164, 23178), (199, 23418), (215, 23508), (249, 23688), (258, 23730), (270, 23796), (274, 23811), (275, 23835), (307, 23982), (317, 24012), (354, 24141), (384, 24234), (392, 24261), (396, 24285), (398, 24291),

Gene: MK4_31 Start: 22761, Stop: 24620, Start Num: 11

Candidate Starts for MK4_31:

(Start: 11 @22761 has 115 MA's), (32, 22887), (36, 22905), (39, 22920), (48, 22962), (61, 23025), (102, 23178), (103, 23181), (106, 23202), (114, 23229), (126, 23304), (137, 23355), (156, 23442), (160, 23460), (164, 23484), (185, 23622), (199, 23724), (210, 23781), (215, 23814), (233, 23907), (238, 23931), (258, 24036), (270, 24102), (274, 24117), (307, 24288), (337, 24393), (354, 24447), (367, 24486), (384, 24540), (392, 24567), (396, 24591),

Gene: MadMarie_33 Start: 23279, Stop: 25036, Start Num: 11

Candidate Starts for MadMarie_33:

(Start: 11 @23279 has 115 MA's), (34, 23414), (48, 23480), (57, 23525), (64, 23561), (98, 23693), (109, 23729), (128, 23750), (141, 23807), (154, 23867), (167, 23921), (173, 23981), (193, 24101), (194, 24104), (203, 24173), (209, 24197), (225, 24290), (230, 24311), (239, 24356), (303, 24686), (320, 24755), (337, 24818), (390, 24989),

Gene: Mainiac_33 Start: 23270, Stop: 25027, Start Num: 11

Candidate Starts for Mainiac_33:

(Start: 11 @23270 has 115 MA's), (34, 23405), (48, 23471), (57, 23516), (64, 23552), (98, 23684), (109, 23720), (128, 23741), (141, 23798), (154, 23858), (167, 23912), (173, 23972), (193, 24092), (194, 24095), (203, 24164), (209, 24188), (225, 24281), (230, 24302), (239, 24347), (303, 24677), (320, 24746), (337, 24809), (390, 24980),

Gene: MajorMajor_30 Start: 21646, Stop: 23397, Start Num: 18

Candidate Starts for MajorMajor_30:

(Start: 18 @21646 has 37 MA's), (23, 21667), (36, 21766), (39, 21781), (56, 21856), (66, 21916), (89, 22027), (104, 22060), (110, 22084), (111, 22090), (125, 22162), (142, 22237), (148, 22270), (155, 22300), (204, 22588), (227, 22708), (242, 22777), (283, 23008), (300, 23083), (304, 23095), (306, 23104), (315, 23143), (376, 23338), (382, 23365), (383, 23368), (386, 23380),

Gene: Malec_32 Start: 23029, Stop: 25110, Start Num: 17

Candidate Starts for Malec_32:

(Start: 17 @23029 has 11 MA's), (23, 23053), (34, 23143), (37, 23158), (58, 23257), (70, 23332), (81, 23380), (132, 23569), (141, 23608), (162, 23704), (202, 23953), (214, 24016), (222, 24061), (242, 24163), (268, 24301), (276, 24364), (282, 24394), (302, 24478), (327, 24568), (329, 24577), (332, 24592), (334, 24601), (387, 24775), (407, 24895), (410, 24934), (411, 24970), (412, 24994), (413, 25027), (414, 25096), (415, 25099),

Gene: Malinsilva_35 Start: 23269, Stop: 25026, Start Num: 11

Candidate Starts for Malinsilva_35:

(Start: 11 @23269 has 115 MA's), (34, 23404), (48, 23470), (57, 23515), (64, 23551), (98, 23683), (109, 23719), (128, 23740), (141, 23797), (154, 23857), (167, 23911), (173, 23971), (193, 24091), (194, 24094), (203, 24163), (209, 24187), (225, 24280), (230, 24301), (239, 24346), (303, 24676), (320, 24745), (337, 24808), (390, 24979),

Gene: Maminiaina_32 Start: 23915, Stop: 25681, Start Num: 14

Candidate Starts for Maminiaina_32:

(Start: 14 @23915 has 26 MA's), (44, 24080), (48, 24101), (62, 24167), (64, 24179), (66, 24191), (77, 24236), (79, 24245), (81, 24254), (106, 24314), (109, 24323), (123, 24347), (129, 24383), (148, 24476), (156, 24512), (160, 24530), (195, 24755), (197, 24776), (199, 24794), (215, 24884), (225, 24941), (233, 24977), (249, 25064), (274, 25187), (275, 25211), (278, 25226), (288, 25283), (316, 25385), (317, 25388), (340, 25478), (378, 25589), (398, 25664),

Gene: Manu_34 Start: 23361, Stop: 25169, Start Num: 11

Candidate Starts for Manu_34:

(Start: 11 @23361 has 115 MA's), (34, 23496), (48, 23562), (57, 23607), (64, 23643), (81, 23733), (87, 23757), (106, 23802), (122, 23832), (156, 24000), (160, 24018), (164, 24042), (187, 24204), (195, 24243), (199, 24282), (215, 24372), (247, 24534), (250, 24555), (267, 24642), (275, 24699), (278, 24714), (291, 24777), (309, 24852), (316, 24873), (340, 24966), (353, 25005), (367, 25047), (396, 25146),

Gene: MarQuardt_33 Start: 23278, Stop: 25035, Start Num: 11

Candidate Starts for MarQuardt_33:

(Start: 11 @23278 has 115 MA's), (34, 23413), (48, 23479), (57, 23524), (64, 23560), (98, 23692), (109, 23728), (128, 23749), (141, 23806), (154, 23866), (167, 23920), (173, 23980), (193, 24100), (194, 24103), (203, 24172), (209, 24196), (225, 24289), (230, 24310), (239, 24355), (303, 24685), (320, 24754), (337, 24817), (390, 24988),

Gene: Marchesa_31 Start: 22890, Stop: 24749, Start Num: 11

Candidate Starts for Marchesa_31:

(Start: 11 @22890 has 115 MA's), (32, 23016), (34, 23025), (48, 23091), (53, 23112), (61, 23154), (103, 23310), (114, 23358), (125, 23427), (126, 23433), (134, 23463), (156, 23571), (160, 23589), (164, 23613), (199, 23853), (215, 23943), (238, 24060), (258, 24165), (270, 24231), (274, 24246), (307, 24417), (337, 24522), (354, 24576), (367, 24615), (384, 24669), (392, 24696), (396, 24720),

Gene: Margo_32 Start: 23399, Stop: 25258, Start Num: 11

Candidate Starts for Margo_32:

(Start: 11 @23399 has 115 MA's), (36, 23543), (48, 23600), (53, 23621), (61, 23663), (64, 23681), (106, 23840), (114, 23867), (134, 23972), (137, 23993), (156, 24080), (164, 24122), (199, 24362), (215, 24452), (225, 24509), (258, 24674), (268, 24728), (270, 24740), (274, 24755), (298, 24884), (301, 24896), (317, 24956), (320, 24968), (331, 25013), (337, 25031), (384, 25178), (392, 25205), (398, 25235),

Gene: Marie_33 Start: 23276, Stop: 25033, Start Num: 11

Candidate Starts for Marie_33:

(Start: 11 @23276 has 115 MA's), (34, 23411), (48, 23477), (57, 23522), (64, 23558), (98, 23690), (109, 23726), (128, 23747), (141, 23804), (154, 23864), (167, 23918), (173, 23978), (193, 24098), (194, 24101), (203, 24170), (209, 24194), (225, 24287), (230, 24308), (239, 24353), (303, 24683), (320, 24752), (337, 24815), (390, 24986),

Gene: Marius_34 Start: 23361, Stop: 25169, Start Num: 11

Candidate Starts for Marius_34:

(Start: 11 @23361 has 115 MA's), (34, 23496), (48, 23562), (57, 23607), (64, 23643), (81, 23733), (87, 23757), (106, 23802), (122, 23832), (156, 24000), (160, 24018), (164, 24042), (187, 24204), (195, 24243), (199, 24282), (215, 24372), (247, 24534), (250, 24555), (267, 24642), (275, 24699), (278, 24714), (291, 24777), (309, 24852), (316, 24873), (340, 24966), (353, 25005), (367, 25047), (396, 25146),

Gene: Maverick_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Maverick_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (286, 24406), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Maxo_31 Start: 22958, Stop: 24814, Start Num: 12

Candidate Starts for Maxo_31:

(Start: 12 @22958 has 161 MA's), (34, 23084), (39, 23108), (61, 23213), (62, 23219), (68, 23267), (71, 23276), (80, 23318), (98, 23363), (103, 23369), (124, 23474), (125, 23486), (143, 23564), (157, 23633), (194, 23861), (196, 23885), (197, 23888), (200, 23915), (201, 23918), (220, 24023), (225, 24053), (228, 24068), (245, 24158), (253, 24197), (258, 24224), (260, 24242), (275, 24341), (318, 24527), (330, 24578), (350, 24632), (369, 24695), (373, 24704), (396, 24791),

Gene: Mayonnaise_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Mayonnaise_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (286, 24406), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Mazhar510_31 Start: 22961, Stop: 24817, Start Num: 12

Candidate Starts for Mazhar510_31:

(Start: 12 @22961 has 161 MA's), (34, 23087), (39, 23111), (61, 23216), (62, 23222), (68, 23270), (80, 23321), (98, 23366), (103, 23372), (124, 23477), (125, 23489), (143, 23567), (157, 23636), (194, 23864), (196, 23888), (197, 23891), (200, 23918), (201, 23921), (220, 24026), (223, 24047), (225, 24056), (245, 24161), (253, 24200), (260, 24245), (286, 24407), (288, 24413), (318, 24530), (320,

24536), (330, 24581), (349, 24632), (350, 24635), (369, 24698), (373, 24707), (396, 24794),

Gene: Medusa_31 Start: 22961, Stop: 24817, Start Num: 12

Candidate Starts for Medusa_31:

(Start: 12 @22961 has 161 MA's), (34, 23087), (39, 23111), (61, 23216), (62, 23222), (68, 23270), (71, 23279), (80, 23321), (98, 23366), (103, 23372), (124, 23477), (125, 23489), (143, 23567), (157, 23636), (194, 23864), (196, 23888), (197, 23891), (200, 23918), (201, 23921), (220, 24026), (225, 24056), (228, 24071), (245, 24161), (253, 24200), (260, 24245), (288, 24413), (318, 24530), (320, 24536), (330, 24581), (349, 24632), (350, 24635), (369, 24698), (373, 24707), (396, 24794),

Gene: MeeZee_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for MeeZee_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: MegTheThird_31 Start: 22321, Stop: 24066, Start Num: 17

Candidate Starts for MegTheThird_31:

(Start: 17 @22321 has 11 MA's), (43, 22477), (60, 22558), (70, 22624), (82, 22672), (90, 22696), (112, 22741), (121, 22771), (151, 22885), (183, 23062), (221, 23293), (227, 23332), (251, 23446), (278, 23605), (280, 23620), (327, 23806), (333, 23836), (361, 23917), (372, 23950), (391, 24022), (397, 24052), (399, 24055),

Gene: Melvin_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Melvin_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Methuselah_32 Start: 23360, Stop: 25111, Start Num: 11

Candidate Starts for Methuselah_32:

(Start: 11 @23360 has 115 MA's), (34, 23495), (46, 23552), (48, 23561), (57, 23606), (64, 23642), (86, 23753), (98, 23774), (109, 23810), (128, 23831), (154, 23948), (177, 24086), (193, 24182), (194, 24185), (203, 24254), (209, 24278), (216, 24323), (225, 24371), (239, 24437), (271, 24608), (273, 24614), (279, 24665), (288, 24710), (297, 24740), (308, 24788), (320, 24830), (325, 24845), (326, 24848), (330, 24872), (362, 24974), (363, 24977), (371, 25001),

Gene: Microwolf_33 Start: 23278, Stop: 25035, Start Num: 11

Candidate Starts for Microwolf_33:

(Start: 11 @23278 has 115 MA's), (34, 23413), (48, 23479), (57, 23524), (64, 23560), (98, 23692), (109, 23728), (128, 23749), (141, 23806), (154, 23866), (167, 23920), (173, 23980), (193, 24100), (194, 24103), (203, 24172), (209, 24196), (225, 24289), (230, 24310), (239, 24355), (303, 24685), (320, 24754), (337, 24817), (390, 24988),

Gene: Miko_34 Start: 24326, Stop: 26263, Start Num: 17

Candidate Starts for Miko_34:

(Start: 17 @24326 has 11 MA's), (23, 24350), (34, 24440), (36, 24449), (48, 24506), (135, 25007), (156, 25097), (160, 25115), (164, 25139), (180, 25247), (195, 25340), (199, 25379), (215, 25469), (226, 25529), (247, 25631), (250, 25652), (275, 25796), (278, 25811), (316, 25967), (322, 25988),

(340, 26060), (347, 26078), (359, 26120), (367, 26141), (386, 26201), (398, 26246),

Gene: Millski_30 Start: 22963, Stop: 24819, Start Num: 12

Candidate Starts for Millski_30:

(Start: 12 @22963 has 161 MA's), (34, 23089), (39, 23113), (61, 23218), (62, 23224), (68, 23272), (71, 23281), (80, 23323), (98, 23368), (103, 23374), (124, 23479), (125, 23491), (143, 23569), (157, 23638), (194, 23866), (196, 23890), (197, 23893), (200, 23920), (201, 23923), (220, 24028), (225, 24058), (228, 24073), (245, 24163), (253, 24202), (260, 24247), (288, 24415), (318, 24532), (320, 24538), (330, 24583), (349, 24634), (350, 24637), (369, 24700), (373, 24709), (396, 24796),

Gene: Minispark_29 Start: 22236, Stop: 23978, Start Num: 17

Candidate Starts for Minispark_29:

(Start: 17 @22236 has 11 MA's), (19, 22242), (36, 22359), (43, 22392), (66, 22509), (70, 22539), (82, 22587), (84, 22596), (85, 22599), (121, 22686), (134, 22731), (143, 22758), (158, 22833), (171, 22911), (183, 22977), (202, 23103), (280, 23535), (289, 23580), (325, 23712), (368, 23853), (372, 23865), (381, 23904), (397, 23967),

Gene: Miramae_31 Start: 22903, Stop: 24762, Start Num: 12

Candidate Starts for Miramae_31:

(Start: 12 @22903 has 161 MA's), (26, 22969), (39, 23053), (43, 23071), (53, 23116), (62, 23164), (71, 23221), (80, 23263), (103, 23314), (106, 23335), (115, 23368), (124, 23419), (125, 23431), (135, 23485), (143, 23509), (157, 23578), (194, 23806), (197, 23833), (200, 23860), (201, 23863), (220, 23971), (223, 23992), (225, 24001), (239, 24070), (245, 24106), (253, 24145), (266, 24214), (286, 24352), (318, 24475), (320, 24481), (369, 24643), (373, 24652),

Gene: Misomonster_35 Start: 23363, Stop: 25114, Start Num: 11

Candidate Starts for Misomonster_35:

(Start: 11 @23363 has 115 MA's), (34, 23498), (48, 23564), (57, 23609), (64, 23645), (86, 23756), (98, 23777), (109, 23813), (128, 23834), (154, 23951), (177, 24089), (193, 24185), (194, 24188), (203, 24257), (209, 24281), (216, 24326), (225, 24374), (239, 24440), (271, 24611), (273, 24617), (279, 24668), (288, 24713), (297, 24743), (308, 24791), (320, 24833), (325, 24848), (326, 24851), (330, 24875), (362, 24977), (363, 24980), (371, 25004),

Gene: MissWhite_31 Start: 21856, Stop: 23703, Start Num: 18

Candidate Starts for MissWhite_31:

(Start: 18 @21856 has 37 MA's), (23, 21877), (38, 21985), (62, 22102), (66, 22126), (113, 22306), (132, 22402), (147, 22474), (192, 22711), (204, 22795), (208, 22807), (211, 22828), (219, 22876), (227, 22921), (229, 22927), (232, 22942), (236, 22957), (242, 22990), (244, 23002), (255, 23053), (283, 23221), (294, 23266), (299, 23284), (365, 23512), (375, 23548), (383, 23581),

Gene: MoneyMay_33 Start: 23276, Stop: 25033, Start Num: 11

Candidate Starts for MoneyMay_33:

(Start: 11 @23276 has 115 MA's), (34, 23411), (48, 23477), (57, 23522), (64, 23558), (98, 23690), (109, 23726), (128, 23747), (141, 23804), (154, 23864), (167, 23918), (173, 23978), (193, 24098), (194, 24101), (203, 24170), (209, 24194), (225, 24287), (230, 24308), (239, 24353), (303, 24683), (320, 24752), (337, 24815), (390, 24986),

Gene: Montavir_32 Start: 23277, Stop: 25034, Start Num: 11

Candidate Starts for Montavir_32:

(Start: 11 @23277 has 115 MA's), (34, 23412), (48, 23478), (57, 23523), (64, 23559), (98, 23691), (109, 23727), (128, 23748), (141, 23805), (154, 23865), (167, 23919), (173, 23979), (193, 24099), (194, 24102), (203, 24171), (209, 24195), (225, 24288), (230, 24309), (239, 24354), (303, 24684), (320, 24753), (337, 24816), (390, 24987),

Gene: Morpher26_31 Start: 22972, Stop: 24831, Start Num: 12

Candidate Starts for Morpher26_31:

(7, 22912), (Start: 12 @22972 has 161 MA's), (26, 23038), (30, 23083), (32, 23089), (39, 23122), (43, 23140), (53, 23185), (55, 23191), (56, 23197), (71, 23290), (74, 23305), (98, 23377), (115, 23437), (124, 23488), (125, 23500), (143, 23578), (157, 23647), (176, 23770), (181, 23794), (194, 23875), (199, 23920), (200, 23929), (201, 23932), (223, 24061), (225, 24070), (235, 24112), (239, 24139), (245, 24175), (249, 24202), (253, 24214), (277, 24370), (318, 24544), (320, 24550), (330, 24595), (349, 24646), (350, 24649), (359, 24685), (373, 24721),

Gene: Morrow_31 Start: 22963, Stop: 24819, Start Num: 12

Candidate Starts for Morrow_31:

(Start: 12 @22963 has 161 MA's), (34, 23089), (39, 23113), (61, 23218), (62, 23224), (68, 23272), (71, 23281), (80, 23323), (98, 23368), (103, 23374), (125, 23491), (143, 23569), (157, 23638), (194, 23866), (196, 23890), (197, 23893), (201, 23923), (220, 24028), (225, 24058), (228, 24073), (245, 24163), (253, 24202), (258, 24229), (260, 24247), (275, 24346), (318, 24532), (330, 24583), (350, 24637), (369, 24700), (373, 24709), (396, 24796),

Gene: MuchMore_35 Start: 23269, Stop: 25026, Start Num: 11

Candidate Starts for MuchMore_35:

(Start: 11 @23269 has 115 MA's), (34, 23404), (48, 23470), (57, 23515), (64, 23551), (98, 23683), (109, 23719), (128, 23740), (141, 23797), (154, 23857), (167, 23911), (173, 23971), (193, 24091), (194, 24094), (203, 24163), (209, 24187), (225, 24280), (230, 24301), (239, 24346), (303, 24676), (320, 24745), (337, 24808), (390, 24979),

Gene: Mundrea_31 Start: 22930, Stop: 24786, Start Num: 12

Candidate Starts for Mundrea_31:

(Start: 12 @22930 has 161 MA's), (39, 23080), (43, 23098), (45, 23110), (53, 23143), (56, 23155), (71, 23248), (74, 23263), (115, 23395), (124, 23446), (125, 23458), (143, 23536), (157, 23605), (194, 23833), (200, 23887), (201, 23890), (220, 23995), (223, 24016), (225, 24025), (245, 24130), (277, 24325), (288, 24382), (318, 24499), (320, 24505), (373, 24676),

Gene: MyraDee_29 Start: 20768, Stop: 22630, Start Num: 12

Candidate Starts for MyraDee_29:

(Start: 12 @20768 has 161 MA's), (20, 20789), (24, 20810), (35, 20894), (Start: 41 @20924 has 1 MA's), (64, 21038), (75, 21101), (76, 21107), (87, 21152), (143, 21344), (153, 21392), (157, 21413), (176, 21536), (180, 21557), (185, 21581), (200, 21695), (201, 21698), (220, 21806), (223, 21827), (225, 21836), (239, 21905), (245, 21941), (256, 21998), (270, 22085), (272, 22091), (301, 22250), (310, 22289), (314, 22304), (318, 22313), (320, 22319), (335, 22382), (357, 22457), (364, 22472), (368, 22487), (401, 22607),

Gene: Myxus_33 Start: 24377, Stop: 26143, Start Num: 14

Candidate Starts for Myxus_33:

(Start: 14 @24377 has 26 MA's), (19, 24389), (48, 24563), (66, 24653), (77, 24698), (79, 24707), (109, 24785), (123, 24809), (129, 24845), (156, 24974), (160, 24992), (195, 25217), (197, 25238), (199, 25256), (215, 25346), (225, 25403), (249, 25526), (274, 25649), (278, 25688), (288, 25745), (309, 25826), (316, 25847), (317, 25850), (340, 25940), (378, 26051), (398, 26126),

Gene: Naji_34 Start: 22559, Stop: 24412, Start Num: 18

Candidate Starts for Naji_34:

(Start: 15 @22553 has 5 MA's), (Start: 18 @22559 has 37 MA's), (36, 22679), (56, 22769), (66, 22829), (75, 22880), (104, 22973), (110, 22997), (111, 23003), (204, 23510), (218, 23579), (236, 23666), (253, 23747), (353, 24191), (357, 24206), (375, 24260), (380, 24284), (383, 24293), (394, 24329),

Gene: Nebs_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for Nebs_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (258, 24223), (260, 24241), (275, 24340), (318, 24526), (330, 24577), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: Nemo27_31 Start: 22959, Stop: 24815, Start Num: 12

Candidate Starts for Nemo27_31:

(Start: 12 @22959 has 161 MA's), (34, 23085), (39, 23109), (61, 23214), (62, 23220), (68, 23268), (71, 23277), (80, 23319), (98, 23364), (103, 23370), (124, 23475), (125, 23487), (143, 23565), (157, 23634), (194, 23862), (196, 23886), (197, 23889), (200, 23916), (201, 23919), (220, 24024), (223, 24045), (225, 24054), (245, 24159), (253, 24198), (260, 24243), (286, 24405), (288, 24411), (318, 24528), (320, 24534), (330, 24579), (349, 24630), (350, 24633), (369, 24696), (373, 24705), (396, 24792),

Gene: NicoleTera_35 Start: 24630, Stop: 26411, Start Num: 17

Candidate Starts for NicoleTera_35:

(Start: 17 @24630 has 11 MA's), (34, 24744), (36, 24753), (56, 24840), (131, 25128), (156, 25245), (160, 25263), (164, 25287), (195, 25488), (199, 25527), (247, 25779), (249, 25797), (270, 25905), (275, 25944), (278, 25959), (284, 25989), (316, 26115), (322, 26136), (340, 26208), (359, 26268), (367, 26289), (398, 26394),

Gene: Noella_32 Start: 23374, Stop: 25233, Start Num: 11

Candidate Starts for Noella_32:

(Start: 11 @23374 has 115 MA's), (36, 23518), (40, 23536), (48, 23575), (53, 23596), (61, 23638), (64, 23656), (106, 23815), (114, 23842), (134, 23947), (137, 23968), (156, 24055), (164, 24097), (199, 24337), (215, 24427), (225, 24484), (258, 24649), (268, 24703), (270, 24715), (274, 24730), (298, 24859), (301, 24871), (317, 24931), (320, 24943), (331, 24988), (337, 25006), (384, 25153), (392, 25180), (398, 25210),

Gene: Noelle_31 Start: 23041, Stop: 24900, Start Num: 12

Candidate Starts for Noelle_31:

(Start: 12 @23041 has 161 MA's), (40, 23194), (47, 23227), (48, 23233), (53, 23254), (56, 23266), (69, 23353), (74, 23374), (106, 23473), (124, 23557), (125, 23569), (140, 23635), (143, 23647), (157, 23716), (194, 23944), (199, 23989), (200, 23998), (201, 24001), (223, 24130), (225, 24139), (235, 24181), (239, 24208), (245, 24244), (249, 24271), (253, 24283), (258, 24310), (277, 24439), (288, 24496), (290, 24499), (318, 24613), (320, 24619), (337, 24685), (349, 24715), (370, 24784), (373, 24790),

Gene: Norbert_31 Start: 23373, Stop: 25232, Start Num: 11

Candidate Starts for Norbert_31:

(Start: 11 @23373 has 115 MA's), (36, 23517), (40, 23535), (48, 23574), (53, 23595), (61, 23637), (64, 23655), (106, 23814), (114, 23841), (134, 23946), (137, 23967), (156, 24054), (164, 24096), (199, 24336), (215, 24426), (225, 24483), (258, 24648), (268, 24702), (270, 24714), (274, 24729), (298, 24858), (301, 24870), (317, 24930), (320, 24942), (331, 24987), (337, 25005), (384, 25152), (392, 25179), (398, 25209),

Gene: NorthStar_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for NorthStar_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (135, 23542), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: NotAPhaseMom_31 Start: 22964, Stop: 24820, Start Num: 12

Candidate Starts for NotAPhaseMom_31:

(Start: 12 @22964 has 161 MA's), (34, 23090), (39, 23114), (61, 23219), (62, 23225), (68, 23273), (71, 23282), (80, 23324), (98, 23369), (103, 23375), (124, 23480), (125, 23492), (143, 23570), (157, 23639), (194, 23867), (196, 23891), (197, 23894), (200, 23921), (201, 23924), (220, 24029), (223, 24050), (225, 24059), (245, 24164), (253, 24203), (260, 24248), (286, 24410), (288, 24416), (318, 24533), (320, 24539), (330, 24584), (349, 24635), (369, 24701), (373, 24710), (396, 24797),

Gene: NothingSpecial_33 Start: 24784, Stop: 26571, Start Num: 18

Candidate Starts for NothingSpecial_33:

(Start: 18 @24784 has 37 MA's), (23, 24805), (31, 24883), (34, 24895), (35, 24898), (36, 24904), (37, 24910), (52, 24979), (66, 25057), (124, 25246), (156, 25402), (160, 25420), (164, 25444), (195, 25645), (215, 25774), (218, 25795), (225, 25831), (239, 25897), (250, 25957), (278, 26116), (279, 26122), (291, 26179), (294, 26191), (316, 26275), (340, 26368), (353, 26407), (367, 26449), (384, 26503), (395, 26539),

Gene: Nyxis_31 Start: 22903, Stop: 24762, Start Num: 12

Candidate Starts for Nyxis_31:

(Start: 12 @22903 has 161 MA's), (34, 23029), (39, 23053), (61, 23158), (62, 23164), (68, 23212), (71, 23221), (80, 23263), (98, 23308), (103, 23314), (125, 23431), (143, 23509), (157, 23578), (200, 23860), (201, 23863), (220, 23968), (225, 23998), (245, 24103), (253, 24142), (258, 24169), (260, 24187), (320, 24478), (340, 24556), (344, 24568), (349, 24574), (359, 24613), (369, 24640), (372, 24646), (373, 24649), (396, 24739),

Gene: OKCentral2016_32 Start: 22976, Stop: 24811, Start Num: 12

Candidate Starts for OKCentral2016_32:

(Start: 12 @22976 has 161 MA's), (21, 23009), (25, 23024), (81, 23336), (87, 23360), (91, 23378), (92, 23381), (93, 23384), (94, 23405), (96, 23432), (156, 23645), (160, 23663), (164, 23687), (184, 23822), (186, 23831), (199, 23927), (210, 23984), (215, 24017), (237, 24128), (249, 24197), (270, 24305), (274, 24320), (278, 24359), (279, 24365), (294, 24431), (309, 24494), (316, 24515), (317, 24518), (318, 24524), (322, 24536), (335, 24593), (340, 24608), (343, 24617), (360, 24671), (367, 24689), (386, 24749), (398, 24794), (400, 24797),

Gene: OKaNui_32 Start: 23013, Stop: 24869, Start Num: 12

Candidate Starts for OKaNui_32:

(Start: 12 @23013 has 161 MA's), (34, 23139), (39, 23163), (61, 23268), (62, 23274), (68, 23322), (71, 23331), (80, 23373), (98, 23418), (103, 23424), (124, 23529), (125, 23541), (135, 23595), (143, 23619), (157, 23688), (185, 23856), (194, 23916), (196, 23940), (197, 23943), (199, 23961), (200, 23970), (201, 23973), (220, 24078), (225, 24108), (228, 24123), (245, 24213), (253, 24252), (260, 24297), (288, 24465), (318, 24582), (320, 24588), (330, 24633), (349, 24684), (350, 24687), (369, 24750), (373, 24759), (396, 24846),

Gene: Obama12_32 Start: 23276, Stop: 25132, Start Num: 12

Candidate Starts for Obama12_32:

(Start: 12 @23276 has 161 MA's), (34, 23402), (39, 23426), (61, 23531), (62, 23537), (68, 23585), (80, 23636), (103, 23687), (124, 23792), (125, 23804), (143, 23882), (157, 23951), (185, 24119), (189,

24149), (194, 24179), (196, 24203), (197, 24206), (200, 24233), (201, 24236), (220, 24341), (223, 24362), (225, 24371), (253, 24515), (260, 24560), (286, 24722), (318, 24845), (330, 24896), (369, 25013), (373, 25022), (396, 25109),

Gene: Odin_30 Start: 21523, Stop: 23199, Start Num: 18

Candidate Starts for Odin_30:

(Start: 15 @21517 has 5 MA's), (Start: 18 @21523 has 37 MA's), (36, 21643), (43, 21676), (44, 21679), (49, 21706), (66, 21793), (104, 21880), (130, 21982), (172, 22204), (204, 22390), (227, 22510), (283, 22810), (300, 22885), (306, 22906), (315, 22945), (341, 23035), (376, 23140), (382, 23167), (383, 23170), (386, 23182),

Gene: Ohfah_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for Ohfah_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (258, 24223), (260, 24241), (275, 24340), (318, 24526), (330, 24577), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: OlanP_33 Start: 23541, Stop: 25349, Start Num: 11

Candidate Starts for OlanP_33:

(Start: 11 @23541 has 115 MA's), (34, 23676), (48, 23742), (57, 23787), (64, 23823), (81, 23913), (87, 23937), (106, 23982), (122, 24012), (156, 24180), (160, 24198), (164, 24222), (187, 24384), (195, 24423), (199, 24462), (210, 24519), (215, 24552), (247, 24714), (250, 24735), (267, 24822), (275, 24879), (278, 24894), (291, 24957), (309, 25032), (316, 25053), (340, 25146), (353, 25185), (367, 25227), (396, 25326),

Gene: Ollie_33 Start: 23147, Stop: 24904, Start Num: 11

Candidate Starts for Ollie_33:

(Start: 11 @23147 has 115 MA's), (34, 23282), (48, 23348), (57, 23393), (64, 23429), (98, 23561), (109, 23597), (128, 23618), (141, 23675), (154, 23735), (167, 23789), (173, 23849), (193, 23969), (194, 23972), (203, 24041), (209, 24065), (225, 24158), (230, 24179), (239, 24224), (303, 24554), (320, 24623), (337, 24686), (390, 24857),

Gene: Onglai_32 Start: 22711, Stop: 24477, Start Num: 14

Candidate Starts for Onglai_32:

(Start: 14 @22711 has 26 MA's), (19, 22723), (48, 22897), (66, 22987), (77, 23032), (79, 23041), (109, 23119), (123, 23143), (129, 23179), (156, 23308), (160, 23326), (195, 23551), (197, 23572), (199, 23590), (215, 23680), (225, 23737), (249, 23860), (274, 23983), (278, 24022), (288, 24079), (309, 24160), (316, 24181), (317, 24184), (335, 24259), (340, 24274), (378, 24385), (398, 24460),

Gene: P28Green_33 Start: 23278, Stop: 25035, Start Num: 11

Candidate Starts for P28Green_33:

(Start: 11 @23278 has 115 MA's), (34, 23413), (48, 23479), (57, 23524), (64, 23560), (98, 23692), (109, 23728), (128, 23749), (141, 23806), (154, 23866), (167, 23920), (173, 23980), (193, 24100), (194, 24103), (203, 24172), (209, 24196), (225, 24289), (230, 24310), (239, 24355), (303, 24685), (320, 24754), (337, 24817), (390, 24988),

Gene: PGHhamlin_35 Start: 23269, Stop: 25026, Start Num: 11

Candidate Starts for PGHhamlin_35:

(Start: 11 @23269 has 115 MA's), (34, 23404), (48, 23470), (57, 23515), (64, 23551), (98, 23683), (109, 23719), (128, 23740), (141, 23797), (154, 23857), (167, 23911), (173, 23971), (193, 24091), (194, 24094), (203, 24163), (209, 24187), (225, 24280), (230, 24301), (239, 24346), (303, 24676),

(320, 24745), (337, 24808), (390, 24979),

Gene: PackMan_33 Start: 24377, Stop: 26143, Start Num: 14

Candidate Starts for PackMan_33:

(Start: 14 @24377 has 26 MA's), (19, 24389), (48, 24563), (66, 24653), (77, 24698), (79, 24707), (109, 24785), (123, 24809), (129, 24845), (156, 24974), (160, 24992), (195, 25217), (197, 25238), (199, 25256), (215, 25346), (225, 25403), (249, 25526), (274, 25649), (278, 25688), (288, 25745), (309, 25826), (316, 25847), (317, 25850), (340, 25940), (378, 26051), (398, 26126),

Gene: Palestino_30 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Palestino_30:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (83, 23335), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Panamaxus_31 Start: 23373, Stop: 25232, Start Num: 11

Candidate Starts for Panamaxus_31:

(Start: 11 @23373 has 115 MA's), (36, 23517), (40, 23535), (48, 23574), (53, 23595), (61, 23637), (64, 23655), (106, 23814), (114, 23841), (134, 23946), (137, 23967), (156, 24054), (164, 24096), (199, 24336), (215, 24426), (225, 24483), (258, 24648), (268, 24702), (270, 24714), (274, 24729), (298, 24858), (301, 24870), (317, 24930), (320, 24942), (331, 24987), (337, 25005), (384, 25152), (392, 25179), (398, 25209),

Gene: Pawn_33 Start: 23361, Stop: 25169, Start Num: 11

Candidate Starts for Pawn_33:

(Start: 11 @23361 has 115 MA's), (34, 23496), (48, 23562), (57, 23607), (64, 23643), (81, 23733), (87, 23757), (106, 23802), (122, 23832), (156, 24000), (160, 24018), (164, 24042), (187, 24204), (195, 24243), (199, 24282), (215, 24372), (247, 24534), (250, 24555), (267, 24642), (275, 24699), (278, 24714), (291, 24777), (309, 24852), (316, 24873), (340, 24966), (353, 25005), (367, 25047), (396, 25146),

Gene: Peaches_31 Start: 22959, Stop: 24815, Start Num: 12

Candidate Starts for Peaches_31:

(Start: 12 @22959 has 161 MA's), (34, 23085), (39, 23109), (61, 23214), (62, 23220), (68, 23268), (71, 23277), (80, 23319), (98, 23364), (103, 23370), (124, 23475), (125, 23487), (143, 23565), (157, 23634), (194, 23862), (196, 23886), (197, 23889), (200, 23916), (201, 23919), (220, 24024), (225, 24054), (228, 24069), (245, 24159), (253, 24198), (260, 24243), (288, 24411), (318, 24528), (320, 24534), (330, 24579), (349, 24630), (350, 24633), (369, 24696), (373, 24705), (396, 24792),

Gene: Pembroke_33 Start: 23278, Stop: 25035, Start Num: 11

Candidate Starts for Pembroke_33:

(Start: 11 @23278 has 115 MA's), (34, 23413), (48, 23479), (57, 23524), (64, 23560), (98, 23692), (109, 23728), (128, 23749), (141, 23806), (154, 23866), (167, 23920), (173, 23980), (193, 24100), (194, 24103), (203, 24172), (209, 24196), (225, 24289), (230, 24310), (239, 24355), (303, 24685), (320, 24754), (337, 24817), (390, 24988),

Gene: Penny1_33 Start: 23277, Stop: 25034, Start Num: 11

Candidate Starts for Penny1_33:

(Start: 11 @23277 has 115 MA's), (34, 23412), (48, 23478), (57, 23523), (64, 23559), (98, 23691), (109, 23727), (128, 23748), (141, 23805), (154, 23865), (167, 23919), (173, 23979), (193, 24099), (194, 24102), (203, 24171), (209, 24195), (225, 24288), (230, 24309), (239, 24354), (303, 24684),

(320, 24753), (337, 24816), (390, 24987),

Gene: Perplexer_31 Start: 22969, Stop: 24828, Start Num: 12

Candidate Starts for Perplexer_31:

(7, 22909), (Start: 12 @22969 has 161 MA's), (26, 23035), (30, 23080), (32, 23086), (39, 23119), (43, 23137), (53, 23182), (55, 23188), (56, 23194), (71, 23287), (74, 23302), (98, 23374), (115, 23434), (124, 23485), (125, 23497), (143, 23575), (157, 23644), (176, 23767), (181, 23791), (194, 23872), (199, 23917), (200, 23926), (201, 23929), (223, 24058), (225, 24067), (235, 24109), (239, 24136), (245, 24172), (249, 24199), (253, 24211), (277, 24367), (318, 24541), (320, 24547), (330, 24592), (349, 24643), (350, 24646), (359, 24682), (373, 24718),

Gene: PeterPeter_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for PeterPeter_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (286, 24406), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: PetiteSangsue_31 Start: 22972, Stop: 24831, Start Num: 12

Candidate Starts for PetiteSangsue_31:

(7, 22912), (Start: 12 @22972 has 161 MA's), (26, 23038), (30, 23083), (32, 23089), (39, 23122), (43, 23140), (53, 23185), (55, 23191), (56, 23197), (71, 23290), (74, 23305), (98, 23377), (115, 23437), (124, 23488), (125, 23500), (143, 23578), (157, 23647), (176, 23770), (181, 23794), (194, 23875), (199, 23920), (200, 23929), (201, 23932), (223, 24061), (225, 24070), (235, 24112), (239, 24139), (245, 24175), (249, 24202), (253, 24214), (277, 24370), (318, 24544), (320, 24550), (330, 24595), (349, 24646), (350, 24649), (359, 24685), (373, 24721),

Gene: Ph8s_32 Start: 21442, Stop: 23091, Start Num: 18

Candidate Starts for Ph8s_32:

(Start: 18 @21442 has 37 MA's), (34, 21553), (42, 21589), (62, 21688), (66, 21712), (110, 21880), (111, 21886), (227, 22504), (234, 22531), (244, 22585), (262, 22678), (268, 22708), (283, 22804), (300, 22876), (324, 22963), (328, 22972), (341, 23020),

Gene: Phacado_31 Start: 22959, Stop: 24815, Start Num: 12

Candidate Starts for Phacado_31:

(Start: 12 @22959 has 161 MA's), (34, 23085), (39, 23109), (61, 23214), (62, 23220), (68, 23268), (71, 23277), (80, 23319), (98, 23364), (103, 23370), (124, 23475), (125, 23487), (143, 23565), (157, 23634), (194, 23862), (196, 23886), (197, 23889), (200, 23916), (201, 23919), (220, 24024), (223, 24045), (225, 24054), (245, 24159), (253, 24198), (260, 24243), (286, 24405), (288, 24411), (318, 24528), (320, 24534), (330, 24579), (349, 24630), (350, 24633), (369, 24696), (373, 24705), (396, 24792),

Gene: Phaded_35 Start: 25217, Stop: 26992, Start Num: 12

Candidate Starts for Phaded_35:

(9, 25178), (Start: 12 @25217 has 161 MA's), (34, 25328), (36, 25337), (49, 25394), (56, 25421), (71, 25514), (103, 25607), (106, 25628), (109, 25637), (122, 25658), (124, 25670), (149, 25793), (156, 25826), (160, 25844), (164, 25868), (182, 25982), (195, 26069), (199, 26108), (201, 26120), (210, 26165), (247, 26360), (250, 26381), (278, 26540), (279, 26546), (294, 26612), (309, 26675), (316, 26696), (340, 26789), (367, 26870), (378, 26900), (386, 26930), (398, 26975),

Gene: Phaeder_33 Start: 24377, Stop: 26143, Start Num: 14

Candidate Starts for Phaeder_33:

(Start: 14 @24377 has 26 MA's), (19, 24389), (48, 24563), (66, 24653), (77, 24698), (79, 24707), (109, 24785), (123, 24809), (129, 24845), (156, 24974), (160, 24992), (195, 25217), (197, 25238), (199, 25256), (215, 25346), (225, 25403), (249, 25526), (274, 25649), (278, 25688), (288, 25745), (309, 25826), (316, 25847), (317, 25850), (340, 25940), (378, 26051), (398, 26126),

Gene: Phantastic_31 Start: 22796, Stop: 24658, Start Num: 10

Candidate Starts for Phantastic_31:

(Start: 10 @22796 has 1 MA's), (48, 23000), (56, 23033), (81, 23171), (87, 23195), (99, 23213), (134, 23372), (156, 23480), (161, 23501), (164, 23522), (199, 23762), (210, 23819), (215, 23852), (249, 24032), (258, 24074), (270, 24140), (274, 24155), (307, 24326), (320, 24368), (337, 24431), (354, 24485), (355, 24488), (367, 24524), (384, 24578), (392, 24605), (396, 24629),

Gene: Phelipe_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Phelipe_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Phighter1804_31 Start: 22935, Stop: 24791, Start Num: 12

Candidate Starts for Phighter1804_31:

(Start: 12 @22935 has 161 MA's), (34, 23061), (39, 23085), (61, 23190), (62, 23196), (68, 23244), (71, 23253), (80, 23295), (98, 23340), (103, 23346), (124, 23451), (125, 23463), (138, 23526), (143, 23541), (157, 23610), (185, 23778), (194, 23838), (197, 23865), (200, 23892), (201, 23895), (220, 24000), (223, 24021), (225, 24030), (245, 24135), (260, 24219), (275, 24318), (318, 24504), (320, 24510), (330, 24555), (349, 24606), (350, 24609), (369, 24672), (373, 24681), (396, 24768),

Gene: PhishRPhriends_32 Start: 22545, Stop: 24353, Start Num: 11

Candidate Starts for PhishRPhriends_32:

(Start: 11 @22545 has 115 MA's), (34, 22680), (48, 22746), (57, 22791), (64, 22827), (81, 22917), (87, 22941), (106, 22986), (122, 23016), (156, 23184), (160, 23202), (164, 23226), (187, 23388), (195, 23427), (199, 23466), (215, 23556), (247, 23718), (250, 23739), (267, 23826), (278, 23898), (291, 23961), (309, 24036), (316, 24057), (340, 24150), (353, 24189), (367, 24231), (396, 24330),

Gene: Phoebe_33 Start: 23275, Stop: 25032, Start Num: 11

Candidate Starts for Phoebe_33:

(Start: 11 @23275 has 115 MA's), (34, 23410), (48, 23476), (57, 23521), (64, 23557), (98, 23689), (109, 23725), (128, 23746), (141, 23803), (154, 23863), (167, 23917), (173, 23977), (193, 24097), (194, 24100), (203, 24169), (209, 24193), (225, 24286), (230, 24307), (239, 24352), (303, 24682), (320, 24751), (337, 24814), (390, 24985),

Gene: Phonnegut_33 Start: 24410, Stop: 26176, Start Num: 14

Candidate Starts for Phonnegut_33:

(Start: 14 @24410 has 26 MA's), (19, 24422), (48, 24596), (66, 24686), (77, 24731), (79, 24740), (109, 24818), (123, 24842), (129, 24878), (156, 25007), (160, 25025), (195, 25250), (197, 25271), (199, 25289), (215, 25379), (225, 25436), (249, 25559), (274, 25682), (278, 25721), (288, 25778), (309, 25859), (316, 25880), (317, 25883), (335, 25958), (340, 25973), (378, 26084), (398, 26159),

Gene: Phontbonne_31 Start: 22904, Stop: 24763, Start Num: 12

Candidate Starts for Phontbonne_31:

(Start: 12 @22904 has 161 MA's), (34, 23030), (39, 23054), (61, 23159), (62, 23165), (68, 23213), (71, 23222), (80, 23264), (98, 23309), (103, 23315), (125, 23432), (143, 23510), (157, 23579), (200,

23861), (201, 23864), (220, 23969), (225, 23999), (245, 24104), (253, 24143), (258, 24170), (260, 24188), (320, 24479), (340, 24557), (344, 24569), (349, 24575), (359, 24614), (369, 24641), (372, 24647), (396, 24740),

Gene: Phoxy_33 Start: 23361, Stop: 25112, Start Num: 11

Candidate Starts for Phoxy_33:

(Start: 11 @23361 has 115 MA's), (34, 23496), (48, 23562), (57, 23607), (64, 23643), (86, 23754), (98, 23775), (109, 23811), (128, 23832), (154, 23949), (177, 24087), (193, 24183), (194, 24186), (203, 24255), (209, 24279), (216, 24324), (225, 24372), (239, 24438), (271, 24609), (273, 24615), (279, 24666), (288, 24711), (297, 24741), (308, 24789), (320, 24831), (325, 24846), (326, 24849), (330, 24873), (362, 24975), (363, 24978), (371, 25002),

Gene: Phranny_34 Start: 23353, Stop: 25161, Start Num: 11

Candidate Starts for Phranny_34:

(Start: 11 @23353 has 115 MA's), (34, 23488), (48, 23554), (57, 23599), (58, 23602), (87, 23749), (106, 23794), (122, 23824), (156, 23992), (160, 24010), (164, 24034), (187, 24196), (195, 24235), (199, 24274), (215, 24364), (247, 24526), (250, 24547), (267, 24634), (278, 24706), (291, 24769), (309, 24844), (316, 24865), (340, 24958), (353, 24997), (367, 25039), (396, 25138),

Gene: Pioneer_33 Start: 24410, Stop: 26176, Start Num: 14

Candidate Starts for Pioneer_33:

(Start: 14 @24410 has 26 MA's), (19, 24422), (48, 24596), (66, 24686), (77, 24731), (79, 24740), (109, 24818), (123, 24842), (129, 24878), (156, 25007), (160, 25025), (195, 25250), (197, 25271), (199, 25289), (215, 25379), (225, 25436), (249, 25559), (274, 25682), (278, 25721), (288, 25778), (309, 25859), (316, 25880), (317, 25883), (335, 25958), (340, 25973), (378, 26084), (398, 26159),

Gene: Pipcraft_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Pipcraft_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Pistachio_32 Start: 22385, Stop: 24244, Start Num: 11

Candidate Starts for Pistachio_32:

(Start: 11 @22385 has 115 MA's), (36, 22529), (39, 22544), (48, 22586), (70, 22709), (81, 22757), (99, 22799), (103, 22805), (106, 22826), (156, 23066), (163, 23096), (169, 23144), (187, 23270), (195, 23309), (199, 23348), (210, 23405), (215, 23438), (247, 23600), (248, 23603), (258, 23660), (270, 23726), (274, 23741), (317, 23942), (353, 24068), (354, 24071), (380, 24152), (384, 24164), (392, 24191), (398, 24221),

Gene: Pocahontas_32 Start: 23370, Stop: 25229, Start Num: 11

Candidate Starts for Pocahontas_32:

(Start: 11 @23370 has 115 MA's), (36, 23514), (40, 23532), (48, 23571), (53, 23592), (61, 23634), (64, 23652), (106, 23811), (114, 23838), (134, 23943), (137, 23964), (156, 24051), (164, 24093), (199, 24333), (215, 24423), (225, 24480), (258, 24645), (268, 24699), (270, 24711), (274, 24726), (298, 24855), (301, 24867), (317, 24927), (320, 24939), (331, 24984), (337, 25002), (384, 25149), (392, 25176), (398, 25206),

Gene: Polymorphads_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for Polymorphads_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (258, 24223), (260, 24241), (275, 24340), (318, 24526), (330, 24577), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: Pomar16_34 Start: 22600, Stop: 24453, Start Num: 18

Candidate Starts for Pomar16_34:

(Start: 15 @22594 has 5 MA's), (Start: 18 @22600 has 37 MA's), (36, 22720), (56, 22810), (66, 22870), (68, 22894), (75, 22921), (104, 23014), (110, 23038), (111, 23044), (204, 23551), (218, 23620), (253, 23788), (283, 23971), (353, 24232), (357, 24247), (375, 24301), (377, 24310), (380, 24325), (383, 24334), (394, 24370),

Gene: Popcicle_32 Start: 23370, Stop: 25229, Start Num: 11

Candidate Starts for Popcicle_32:

(Start: 11 @23370 has 115 MA's), (36, 23514), (40, 23532), (48, 23571), (53, 23592), (61, 23634), (64, 23652), (106, 23811), (114, 23838), (134, 23943), (137, 23964), (156, 24051), (164, 24093), (199, 24333), (215, 24423), (225, 24480), (258, 24645), (268, 24699), (270, 24711), (274, 24726), (298, 24855), (301, 24867), (317, 24927), (320, 24939), (331, 24984), (337, 25002), (384, 25149), (392, 25176), (398, 25206),

Gene: PotatoSplit_34 Start: 23277, Stop: 25034, Start Num: 11

Candidate Starts for PotatoSplit_34:

(Start: 11 @23277 has 115 MA's), (34, 23412), (48, 23478), (57, 23523), (64, 23559), (98, 23691), (109, 23727), (128, 23748), (141, 23805), (154, 23865), (167, 23919), (173, 23979), (193, 24099), (194, 24102), (203, 24171), (209, 24195), (225, 24288), (230, 24309), (239, 24354), (303, 24684), (320, 24753), (337, 24816), (390, 24987),

Gene: Priya_33 Start: 24444, Stop: 26210, Start Num: 14

Candidate Starts for Priya_33:

(Start: 14 @24444 has 26 MA's), (48, 24630), (66, 24720), (77, 24765), (79, 24774), (109, 24852), (123, 24876), (129, 24912), (156, 25041), (160, 25059), (195, 25284), (197, 25305), (199, 25323), (215, 25413), (225, 25470), (249, 25593), (274, 25716), (278, 25755), (288, 25812), (309, 25893), (316, 25914), (317, 25917), (340, 26007), (378, 26118), (398, 26193),

Gene: Prudy_34 Start: 25130, Stop: 26905, Start Num: 18

Candidate Starts for Prudy_34:

(6, 25031), (Start: 18 @25130 has 37 MA's), (34, 25241), (36, 25250), (62, 25370), (64, 25382), (66, 25394), (87, 25496), (124, 25583), (145, 25688), (149, 25706), (156, 25739), (160, 25757), (164, 25781), (195, 25982), (199, 26021), (210, 26078), (215, 26111), (220, 26141), (249, 26291), (270, 26399), (274, 26414), (278, 26453), (316, 26609), (322, 26630), (340, 26702), (367, 26783), (386, 26843), (398, 26888),

Gene: Pukovnik_33 Start: 24251, Stop: 26089, Start Num: 18

Candidate Starts for Pukovnik_33:

(Start: 18 @24251 has 37 MA's), (23, 24272), (34, 24362), (36, 24371), (49, 24428), (56, 24455), (71, 24548), (81, 24593), (114, 24689), (157, 24905), (176, 25028), (177, 25037), (194, 25133), (200, 25187), (201, 25190), (220, 25298), (225, 25328), (239, 25397), (245, 25433), (248, 25445), (253, 25472), (318, 25802), (330, 25853), (340, 25886), (349, 25904), (350, 25907), (369, 25970),

Gene: Pumbaa_31 Start: 22935, Stop: 24791, Start Num: 12

Candidate Starts for Pumbaa_31:

(Start: 12 @22935 has 161 MA's), (34, 23061), (39, 23085), (62, 23196), (68, 23244), (70, 23250), (71, 23253), (80, 23295), (103, 23346), (124, 23451), (125, 23463), (143, 23541), (157, 23610), (185, 23778), (189, 23808), (194, 23838), (197, 23865), (200, 23892), (201, 23895), (220, 24000), (223, 24021), (225, 24030), (245, 24135), (253, 24174), (258, 24201), (260, 24219), (261, 24222), (277, 24330), (288, 24387), (318, 24504), (320, 24510), (369, 24672), (373, 24681),

Gene: Puppy_32 Start: 22455, Stop: 24314, Start Num: 11

Candidate Starts for Puppy_32:

(Start: 11 @22455 has 115 MA's), (36, 22599), (39, 22614), (48, 22656), (70, 22779), (81, 22827), (99, 22869), (103, 22875), (106, 22896), (156, 23136), (163, 23166), (169, 23214), (187, 23340), (195, 23379), (199, 23418), (210, 23475), (215, 23508), (247, 23670), (248, 23673), (258, 23730), (270, 23796), (274, 23811), (317, 24012), (353, 24138), (354, 24141), (380, 24222), (384, 24234), (392, 24261), (398, 24291),

Gene: PurpleHaze_33 Start: 23360, Stop: 25168, Start Num: 11

Candidate Starts for PurpleHaze_33:

(Start: 11 @23360 has 115 MA's), (34, 23495), (48, 23561), (57, 23606), (64, 23642), (81, 23732), (87, 23756), (106, 23801), (122, 23831), (156, 23999), (160, 24017), (164, 24041), (187, 24203), (195, 24242), (199, 24281), (215, 24371), (247, 24533), (250, 24554), (267, 24641), (275, 24698), (278, 24713), (291, 24776), (309, 24851), (316, 24872), (340, 24965), (353, 25004), (367, 25046), (396, 25145),

Gene: Qobbit_33 Start: 24407, Stop: 26173, Start Num: 14

Candidate Starts for Qobbit_33:

(Start: 14 @24407 has 26 MA's), (48, 24593), (66, 24683), (77, 24728), (79, 24737), (109, 24815), (123, 24839), (129, 24875), (156, 25004), (160, 25022), (195, 25247), (197, 25268), (199, 25286), (215, 25376), (225, 25433), (249, 25556), (274, 25679), (278, 25718), (288, 25775), (309, 25856), (316, 25877), (317, 25880), (340, 25970), (378, 26081), (398, 26156),

Gene: QuinnKiro_31 Start: 23373, Stop: 25232, Start Num: 11

Candidate Starts for QuinnKiro_31:

(Start: 11 @23373 has 115 MA's), (36, 23517), (40, 23535), (48, 23574), (53, 23595), (61, 23637), (64, 23655), (106, 23814), (114, 23841), (134, 23946), (137, 23967), (156, 24054), (164, 24096), (197, 24318), (199, 24336), (215, 24426), (225, 24483), (258, 24648), (268, 24702), (270, 24714), (274, 24729), (298, 24858), (301, 24870), (317, 24930), (320, 24942), (331, 24987), (337, 25005), (384, 25152), (392, 25179), (398, 25209),

Gene: Quokka_29 Start: 21646, Stop: 23397, Start Num: 18

Candidate Starts for Quokka_29:

(Start: 18 @21646 has 37 MA's), (23, 21667), (36, 21766), (39, 21781), (56, 21856), (66, 21916), (89, 22027), (104, 22060), (110, 22084), (111, 22090), (125, 22162), (142, 22237), (148, 22270), (155, 22300), (204, 22588), (227, 22708), (242, 22777), (283, 23008), (300, 23083), (304, 23095), (306, 23104), (315, 23143), (376, 23338), (382, 23365), (383, 23368), (386, 23380),

Gene: Rachaly_34 Start: 24354, Stop: 26138, Start Num: 17

Candidate Starts for Rachaly_34:

(Start: 17 @24354 has 11 MA's), (23, 24378), (34, 24468), (36, 24477), (48, 24534), (135, 24882), (137, 24885), (156, 24972), (160, 24990), (164, 25014), (180, 25122), (195, 25215), (197, 25236), (199, 25254), (201, 25266), (215, 25344), (226, 25404), (247, 25506), (250, 25527), (275, 25671), (278, 25686), (316, 25842), (322, 25863), (340, 25935), (347, 25953), (359, 25995), (367, 26016), (386, 26076), (398, 26121),

Gene: Rahalelujah_30 Start: 22236, Stop: 23978, Start Num: 17

Candidate Starts for Rahalelujah_30:

(Start: 17 @22236 has 11 MA's), (19, 22242), (36, 22359), (43, 22392), (66, 22509), (70, 22539), (82, 22587), (84, 22596), (85, 22599), (121, 22686), (134, 22731), (143, 22758), (158, 22833), (171, 22911), (183, 22977), (202, 23103), (280, 23535), (289, 23580), (325, 23712), (368, 23853), (372, 23865), (381, 23904), (397, 23967),

Gene: Reba_34 Start: 23026, Stop: 24834, Start Num: 11

Candidate Starts for Reba_34:

(Start: 11 @23026 has 115 MA's), (34, 23161), (48, 23227), (57, 23272), (58, 23275), (87, 23422), (106, 23467), (122, 23497), (156, 23665), (160, 23683), (164, 23707), (187, 23869), (195, 23908), (199, 23947), (215, 24037), (247, 24199), (250, 24220), (267, 24307), (278, 24379), (291, 24442), (309, 24517), (316, 24538), (340, 24631), (353, 24670), (367, 24712), (396, 24811),

Gene: Rebeuca_34 Start: 23648, Stop: 25483, Start Num: 12

Candidate Starts for Rebeuca_34:

(Start: 12 @23648 has 161 MA's), (21, 23681), (53, 23858), (91, 24050), (93, 24056), (94, 24077), (96, 24104), (149, 24284), (156, 24317), (160, 24335), (164, 24359), (180, 24467), (199, 24599), (210, 24656), (215, 24689), (225, 24746), (237, 24800), (249, 24869), (270, 24977), (274, 24992), (275, 25016), (278, 25031), (305, 25148), (309, 25166), (316, 25187), (317, 25190), (335, 25265), (340, 25280), (367, 25361), (378, 25391), (386, 25421), (398, 25466), (400, 25469),

Gene: RedRock_35 Start: 25191, Stop: 26969, Start Num: 18

Candidate Starts for RedRock_35:

(Start: 18 @25191 has 37 MA's), (34, 25302), (36, 25311), (44, 25344), (56, 25398), (62, 25434), (64, 25446), (66, 25458), (106, 25605), (109, 25614), (122, 25635), (124, 25647), (135, 25713), (152, 25782), (156, 25803), (160, 25821), (164, 25845), (178, 25944), (180, 25953), (199, 26085), (210, 26142), (215, 26175), (225, 26232), (237, 26286), (249, 26355), (278, 26517), (288, 26571), (309, 26652), (316, 26673), (322, 26694), (340, 26766), (367, 26847),

Gene: Relief_31 Start: 22958, Stop: 24814, Start Num: 12

Candidate Starts for Relief_31:

(Start: 12 @22958 has 161 MA's), (34, 23084), (39, 23108), (61, 23213), (62, 23219), (68, 23267), (80, 23318), (98, 23363), (103, 23369), (124, 23474), (125, 23486), (143, 23564), (157, 23633), (194, 23861), (196, 23885), (197, 23888), (200, 23915), (201, 23918), (220, 24023), (225, 24053), (228, 24068), (245, 24158), (253, 24197), (260, 24242), (288, 24410), (318, 24527), (320, 24533), (330, 24578), (349, 24629), (350, 24632), (369, 24695), (373, 24704), (396, 24791),

Gene: ResDef_32 Start: 23373, Stop: 25232, Start Num: 11

Candidate Starts for ResDef_32:

(Start: 11 @23373 has 115 MA's), (36, 23517), (40, 23535), (48, 23574), (53, 23595), (61, 23637), (64, 23655), (106, 23814), (114, 23841), (137, 23967), (156, 24054), (164, 24096), (199, 24336), (215, 24426), (225, 24483), (258, 24648), (268, 24702), (270, 24714), (274, 24729), (298, 24858), (301, 24870), (317, 24930), (320, 24942), (331, 24987), (337, 25005), (384, 25152), (392, 25179), (398, 25209),

Gene: RhynO_34 Start: 23623, Stop: 25455, Start Num: 12

Candidate Starts for RhynO_34:

(Start: 12 @23623 has 161 MA's), (21, 23656), (47, 23806), (53, 23833), (76, 23962), (87, 24007), (92, 24028), (93, 24031), (156, 24292), (160, 24310), (199, 24571), (210, 24628), (215, 24661), (237, 24772), (249, 24841), (268, 24937), (270, 24949), (274, 24964), (275, 24988), (278, 25003), (279, 25009), (284, 25033), (294, 25075), (305, 25120), (309, 25138), (317, 25162), (335, 25237), (340, 25252), (343, 25261), (353, 25291), (367, 25333), (398, 25438), (400, 25441),

Gene: RockieBear_30 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for RockieBear_30:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Rockstar_31 Start: 22769, Stop: 24628, Start Num: 11

Candidate Starts for Rockstar_31:

(Start: 11 @22769 has 115 MA's), (32, 22895), (36, 22913), (39, 22928), (48, 22970), (61, 23033), (103, 23189), (106, 23210), (114, 23237), (126, 23312), (137, 23363), (156, 23450), (160, 23468), (164, 23492), (199, 23732), (210, 23789), (215, 23822), (233, 23915), (238, 23939), (258, 24044), (270, 24110), (274, 24125), (307, 24296), (337, 24401), (354, 24455), (367, 24494), (384, 24548), (392, 24575), (396, 24599),

Gene: Roimos_31 Start: 22808, Stop: 24667, Start Num: 11

Candidate Starts for Roimos_31:

(Start: 11 @22808 has 115 MA's), (32, 22934), (34, 22943), (48, 23009), (53, 23030), (61, 23072), (103, 23228), (114, 23276), (125, 23345), (126, 23351), (134, 23381), (156, 23489), (160, 23507), (164, 23531), (199, 23771), (215, 23861), (238, 23978), (258, 24083), (270, 24149), (274, 24164), (307, 24335), (337, 24440), (354, 24494), (367, 24533), (384, 24587), (392, 24614), (396, 24638),

Gene: Romney_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Romney_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Roosevelt_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Roosevelt_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Rosa24_30 Start: 22935, Stop: 24791, Start Num: 12

Candidate Starts for Rosa24_30:

(Start: 12 @22935 has 161 MA's), (34, 23061), (39, 23085), (68, 23244), (71, 23253), (80, 23295), (98, 23340), (103, 23346), (124, 23451), (125, 23463), (143, 23541), (157, 23610), (185, 23778), (189, 23808), (194, 23838), (197, 23865), (200, 23892), (201, 23895), (220, 24000), (223, 24021), (225, 24030), (245, 24135), (253, 24174), (260, 24219), (286, 24381), (318, 24504), (320, 24510), (369, 24672), (373, 24681),

Gene: Rowdy_37 Start: 23534, Stop: 25366, Start Num: 12

Candidate Starts for Rowdy_37:

(Start: 12 @23534 has 161 MA's), (21, 23567), (47, 23717), (53, 23744), (87, 23918), (92, 23939), (93, 23942), (156, 24203), (160, 24221), (199, 24482), (210, 24539), (215, 24572), (237, 24683), (249, 24752), (268, 24848), (270, 24860), (274, 24875), (275, 24899), (278, 24914), (279, 24920), (284, 24944), (294, 24986), (305, 25031), (309, 25049), (317, 25073), (335, 25148), (340, 25163), (343,

25172), (353, 25202), (367, 25244), (398, 25349), (400, 25352),

Gene: Ruin_31 Start: 22956, Stop: 24812, Start Num: 12

Candidate Starts for Ruin_31:

(Start: 12 @22956 has 161 MA's), (34, 23082), (39, 23106), (61, 23211), (62, 23217), (68, 23265), (71, 23274), (80, 23316), (98, 23361), (103, 23367), (124, 23472), (125, 23484), (143, 23562), (157, 23631), (194, 23859), (196, 23883), (197, 23886), (200, 23913), (201, 23916), (220, 24021), (225, 24051), (228, 24066), (245, 24156), (253, 24195), (260, 24240), (288, 24408), (318, 24525), (320, 24531), (330, 24576), (349, 24627), (350, 24630), (369, 24693), (373, 24702), (396, 24789),

Gene: Rummer_33 Start: 23361, Stop: 25112, Start Num: 11

Candidate Starts for Rummer_33:

(Start: 11 @23361 has 115 MA's), (34, 23496), (48, 23562), (57, 23607), (64, 23643), (86, 23754), (98, 23775), (109, 23811), (128, 23832), (154, 23949), (177, 24087), (193, 24183), (194, 24186), (203, 24255), (209, 24279), (216, 24324), (225, 24372), (239, 24438), (271, 24609), (273, 24615), (279, 24666), (288, 24711), (297, 24741), (308, 24789), (320, 24831), (325, 24846), (326, 24849), (330, 24873), (362, 24975), (363, 24978), (371, 25002),

Gene: RyeScarlet_34 Start: 24381, Stop: 26147, Start Num: 14

Candidate Starts for RyeScarlet_34:

(Start: 14 @24381 has 26 MA's), (19, 24393), (48, 24567), (66, 24657), (77, 24702), (79, 24711), (109, 24789), (123, 24813), (129, 24849), (156, 24978), (160, 24996), (195, 25221), (197, 25242), (199, 25260), (215, 25350), (225, 25407), (249, 25530), (274, 25653), (278, 25692), (288, 25749), (309, 25830), (316, 25851), (317, 25854), (335, 25929), (340, 25944), (378, 26055), (398, 26130),

Gene: Sabertooth_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for Sabertooth_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (124, 23473), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (260, 24241), (288, 24409), (318, 24526), (320, 24532), (330, 24577), (349, 24628), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: Sabia_33 Start: 23270, Stop: 25027, Start Num: 11

Candidate Starts for Sabia_33:

(Start: 11 @23270 has 115 MA's), (34, 23405), (48, 23471), (57, 23516), (64, 23552), (98, 23684), (109, 23720), (128, 23741), (141, 23798), (154, 23858), (167, 23912), (173, 23972), (193, 24092), (194, 24095), (203, 24164), (209, 24188), (225, 24281), (230, 24302), (239, 24347), (303, 24677), (320, 24746), (337, 24809), (390, 24980),

Gene: Sabinator_33 Start: 23275, Stop: 25032, Start Num: 11

Candidate Starts for Sabinator_33:

(Start: 11 @23275 has 115 MA's), (34, 23410), (48, 23476), (57, 23521), (64, 23557), (98, 23689), (109, 23725), (128, 23746), (141, 23803), (154, 23863), (167, 23917), (173, 23977), (193, 24097), (194, 24100), (203, 24169), (209, 24193), (225, 24286), (230, 24307), (239, 24352), (303, 24682), (320, 24751), (337, 24814), (390, 24985),

Gene: Sachima_31 Start: 24389, Stop: 26143, Start Num: 19

Candidate Starts for Sachima_31:

(Start: 14 @24377 has 26 MA's), (19, 24389), (48, 24563), (66, 24653), (77, 24698), (79, 24707), (109, 24785), (123, 24809), (129, 24845), (156, 24974), (160, 24992), (195, 25217), (197, 25238), (199, 25256), (215, 25346), (225, 25403), (249, 25526), (274, 25649), (278, 25688), (288, 25745), (309, 25826), (316, 25847), (317, 25850), (340, 25940), (378, 26051), (398, 26126),

Gene: SaturnRing_31 Start: 22838, Stop: 24697, Start Num: 11

Candidate Starts for SaturnRing_31:

(Start: 11 @22838 has 115 MA's), (36, 22982), (39, 22997), (48, 23039), (70, 23162), (81, 23210), (99, 23252), (103, 23258), (106, 23279), (156, 23519), (163, 23549), (169, 23597), (187, 23723), (195, 23762), (199, 23801), (210, 23858), (215, 23891), (247, 24053), (248, 24056), (258, 24113), (270, 24179), (274, 24194), (317, 24395), (353, 24521), (354, 24524), (380, 24605), (384, 24617), (392, 24644), (398, 24674),

Gene: Scamp_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Scamp_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Scherzo_33 Start: 24410, Stop: 26176, Start Num: 14

Candidate Starts for Scherzo_33:

(Start: 14 @24410 has 26 MA's), (19, 24422), (48, 24596), (66, 24686), (77, 24731), (79, 24740), (109, 24818), (123, 24842), (129, 24878), (156, 25007), (160, 25025), (195, 25250), (197, 25271), (199, 25289), (215, 25379), (225, 25436), (249, 25559), (274, 25682), (278, 25721), (288, 25778), (309, 25859), (316, 25880), (317, 25883), (340, 25973), (378, 26084), (398, 26159),

Gene: Scout_31 Start: 22139, Stop: 23998, Start Num: 11

Candidate Starts for Scout_31:

(Start: 11 @22139 has 115 MA's), (32, 22265), (34, 22274), (48, 22340), (53, 22361), (61, 22403), (103, 22559), (114, 22607), (125, 22676), (126, 22682), (134, 22712), (156, 22820), (160, 22838), (164, 22862), (199, 23102), (215, 23192), (238, 23309), (258, 23414), (270, 23480), (274, 23495), (307, 23666), (337, 23771), (354, 23825), (367, 23864), (384, 23918), (392, 23945), (396, 23969),

Gene: SenorClean_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for SenorClean_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Serenity_30 Start: 21771, Stop: 23522, Start Num: 18

Candidate Starts for Serenity_30:

(Start: 18 @21771 has 37 MA's), (23, 21792), (36, 21891), (39, 21906), (56, 21981), (66, 22041), (89, 22152), (104, 22185), (110, 22209), (111, 22215), (125, 22287), (148, 22395), (170, 22512), (204, 22713), (227, 22833), (242, 22902), (283, 23133), (300, 23208), (304, 23220), (306, 23229), (315, 23268), (376, 23463), (382, 23490), (383, 23493), (386, 23505),

Gene: Shaka_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Shaka_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (286, 24406), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Shapes_37 Start: 23534, Stop: 25366, Start Num: 12

Candidate Starts for Shapes_37:

(Start: 12 @23534 has 161 MA's), (21, 23567), (47, 23717), (53, 23744), (87, 23918), (92, 23939), (93, 23942), (156, 24203), (160, 24221), (199, 24482), (210, 24539), (215, 24572), (237, 24683), (249, 24752), (268, 24848), (270, 24860), (274, 24875), (275, 24899), (278, 24914), (279, 24920), (284, 24944), (294, 24986), (305, 25031), (309, 25049), (317, 25073), (335, 25148), (340, 25163), (343, 25172), (353, 25202), (367, 25244), (398, 25349), (400, 25352),

Gene: SheaKeira_31 Start: 22351, Stop: 24009, Start Num: 17

Candidate Starts for SheaKeira_31:

(Start: 17 @22351 has 11 MA's), (31, 22453), (43, 22507), (48, 22531), (49, 22537), (65, 22618), (66, 22624), (70, 22654), (82, 22702), (90, 22726), (121, 22801), (183, 23092), (217, 23308), (227, 23362), (251, 23476), (254, 23488), (278, 23635), (280, 23650), (366, 23875), (383, 23938),

Gene: SheldonCooper_32 Start: 23275, Stop: 25131, Start Num: 12

Candidate Starts for SheldonCooper_32:

(Start: 12 @23275 has 161 MA's), (34, 23401), (39, 23425), (61, 23530), (62, 23536), (68, 23584), (80, 23635), (103, 23686), (124, 23791), (125, 23803), (143, 23881), (157, 23950), (185, 24118), (189, 24148), (194, 24178), (196, 24202), (197, 24205), (200, 24232), (201, 24235), (220, 24340), (223, 24361), (225, 24370), (253, 24514), (260, 24559), (286, 24721), (318, 24844), (330, 24895), (369, 25012), (373, 25021), (396, 25108),

Gene: Shygu2_31 Start: 22966, Stop: 24825, Start Num: 12

Candidate Starts for Shygu2_31:

(7, 22903), (Start: 12 @22966 has 161 MA's), (25, 23014), (26, 23032), (39, 23116), (43, 23134), (53, 23179), (56, 23191), (98, 23371), (115, 23431), (124, 23482), (125, 23494), (143, 23572), (157, 23641), (194, 23869), (197, 23896), (200, 23923), (201, 23926), (220, 24034), (223, 24055), (225, 24064), (239, 24133), (245, 24169), (253, 24208), (286, 24415), (318, 24538), (330, 24589), (369, 24706), (373, 24715),

Gene: Skipitt_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for Skipitt_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (124, 23473), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (260, 24241), (288, 24409), (318, 24526), (320, 24532), (330, 24577), (349, 24628), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: Snickers_33 Start: 23251, Stop: 25008, Start Num: 11

Candidate Starts for Snickers_33:

(Start: 11 @23251 has 115 MA's), (34, 23386), (48, 23452), (57, 23497), (64, 23533), (98, 23665), (109, 23701), (128, 23722), (141, 23779), (154, 23839), (167, 23893), (173, 23953), (193, 24073), (194, 24076), (203, 24145), (209, 24169), (225, 24262), (230, 24283), (239, 24328), (303, 24658), (320, 24727), (337, 24790), (390, 24961),

Gene: SoYo_33 Start: 23188, Stop: 24945, Start Num: 11

Candidate Starts for SoYo_33:

(Start: 11 @23188 has 115 MA's), (34, 23323), (48, 23389), (57, 23434), (64, 23470), (98, 23602), (109, 23638), (128, 23659), (141, 23716), (154, 23776), (167, 23830), (173, 23890), (193, 24010), (194, 24013), (203, 24082), (209, 24106), (225, 24199), (230, 24220), (239, 24265), (303, 24595), (320, 24664), (337, 24727), (390, 24898),

Gene: SoilDragon_33 Start: 22965, Stop: 24770, Start Num: 11

Candidate Starts for SoilDragon_33:

(Start: 11 @22965 has 115 MA's), (34, 23100), (48, 23166), (57, 23211), (64, 23247), (77, 23319), (87, 23361), (106, 23406), (122, 23436), (156, 23604), (160, 23622), (164, 23646), (185, 23784), (187, 23808), (195, 23847), (199, 23886), (215, 23976), (247, 24138), (250, 24159), (267, 24246), (278, 24318), (284, 24348), (294, 24390), (309, 24453), (317, 24477), (335, 24552), (340, 24567), (353, 24606), (367, 24648), (398, 24753),

Gene: Soshari_35 Start: 23360, Stop: 25111, Start Num: 11

Candidate Starts for Soshari_35:

(Start: 11 @23360 has 115 MA's), (34, 23495), (46, 23552), (48, 23561), (57, 23606), (64, 23642), (86, 23753), (98, 23774), (109, 23810), (128, 23831), (154, 23948), (177, 24086), (193, 24182), (194, 24185), (203, 24254), (209, 24278), (216, 24323), (225, 24371), (239, 24437), (271, 24608), (273, 24614), (279, 24665), (288, 24710), (297, 24740), (308, 24788), (320, 24830), (325, 24845), (326, 24848), (330, 24872), (362, 24974), (363, 24977), (371, 25001),

Gene: Sparxx_31 Start: 22958, Stop: 24814, Start Num: 12

Candidate Starts for Sparxx_31:

(Start: 12 @22958 has 161 MA's), (34, 23084), (39, 23108), (61, 23213), (62, 23219), (68, 23267), (71, 23276), (80, 23318), (98, 23363), (103, 23369), (124, 23474), (125, 23486), (143, 23564), (157, 23633), (194, 23861), (196, 23885), (197, 23888), (200, 23915), (201, 23918), (220, 24023), (225, 24053), (228, 24068), (245, 24158), (253, 24197), (258, 24224), (260, 24242), (275, 24341), (318, 24527), (330, 24578), (350, 24632), (369, 24695), (373, 24704), (396, 24791),

Gene: Spike509_33 Start: 23361, Stop: 25112, Start Num: 11

Candidate Starts for Spike509_33:

(Start: 11 @23361 has 115 MA's), (34, 23496), (48, 23562), (57, 23607), (64, 23643), (86, 23754), (98, 23775), (109, 23811), (128, 23832), (154, 23949), (177, 24087), (193, 24183), (194, 24186), (203, 24255), (209, 24279), (216, 24324), (225, 24372), (239, 24438), (270, 24606), (271, 24609), (273, 24615), (279, 24666), (288, 24711), (297, 24741), (308, 24789), (320, 24831), (325, 24846), (326, 24849), (330, 24873), (362, 24975), (363, 24978), (371, 25002),

Gene: Spino_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Spino_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (286, 24406), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Spouty_33 Start: 24443, Stop: 26209, Start Num: 14

Candidate Starts for Spouty_33:

(Start: 14 @24443 has 26 MA's), (48, 24629), (66, 24719), (77, 24764), (79, 24773), (109, 24851), (123, 24875), (129, 24911), (156, 25040), (160, 25058), (195, 25283), (197, 25304), (199, 25322), (215, 25412), (225, 25469), (249, 25592), (274, 25715), (278, 25754), (288, 25811), (309, 25892), (316, 25913), (317, 25916), (340, 26006), (378, 26117), (398, 26192),

Gene: Stagni_33 Start: 23279, Stop: 25036, Start Num: 11

Candidate Starts for Stagni_33:

(Start: 11 @23279 has 115 MA's), (34, 23414), (48, 23480), (57, 23525), (64, 23561), (98, 23693), (109, 23729), (128, 23750), (141, 23807), (154, 23867), (167, 23921), (173, 23981), (193, 24101), (194, 24104), (203, 24173), (209, 24197), (225, 24290), (230, 24311), (239, 24356), (303, 24686),

(320, 24755), (337, 24818), (390, 24989),

Gene: StarStuff_34 Start: 22559, Stop: 24412, Start Num: 18

Candidate Starts for StarStuff_34:

(Start: 15 @22553 has 5 MA's), (Start: 18 @22559 has 37 MA's), (36, 22679), (56, 22769), (66, 22829), (75, 22880), (104, 22973), (110, 22997), (111, 23003), (204, 23510), (218, 23579), (236, 23666), (253, 23747), (283, 23930), (339, 24149), (342, 24161), (353, 24191), (375, 24260), (380, 24284), (383, 24293), (394, 24329),

Gene: Stasia_32 Start: 23404, Stop: 25242, Start Num: 12

Candidate Starts for Stasia_32:

(Start: 12 @23404 has 161 MA's), (26, 23470), (34, 23530), (48, 23596), (56, 23629), (61, 23659), (62, 23665), (68, 23713), (80, 23764), (106, 23836), (126, 23938), (156, 24076), (160, 24094), (199, 24358), (215, 24448), (247, 24610), (250, 24631), (268, 24724), (274, 24751), (275, 24775), (278, 24790), (309, 24925), (317, 24949), (322, 24967), (340, 25039), (367, 25120),

Gene: SteMason_30 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for SteMason_30:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: StepMih_33 Start: 23270, Stop: 25027, Start Num: 11

Candidate Starts for StepMih_33:

(Start: 11 @23270 has 115 MA's), (34, 23405), (48, 23471), (57, 23516), (64, 23552), (98, 23684), (109, 23720), (128, 23741), (141, 23798), (154, 23858), (167, 23912), (173, 23972), (193, 24092), (194, 24095), (203, 24164), (209, 24188), (225, 24281), (230, 24302), (239, 24347), (303, 24677), (320, 24746), (337, 24809), (390, 24980),

Gene: Stink_32 Start: 23240, Stop: 25099, Start Num: 12

Candidate Starts for Stink_32:

(Start: 12 @23240 has 161 MA's), (26, 23306), (39, 23390), (43, 23408), (53, 23453), (62, 23501), (71, 23558), (80, 23600), (103, 23651), (106, 23672), (115, 23705), (124, 23756), (125, 23768), (135, 23822), (143, 23846), (157, 23915), (194, 24143), (197, 24170), (200, 24197), (201, 24200), (220, 24308), (223, 24329), (225, 24338), (239, 24407), (245, 24443), (253, 24482), (266, 24551), (286, 24689), (318, 24812), (320, 24818), (369, 24980), (373, 24989),

Gene: Sultana_31 Start: 22961, Stop: 24817, Start Num: 12

Candidate Starts for Sultana_31:

(Start: 12 @22961 has 161 MA's), (34, 23087), (39, 23111), (61, 23216), (62, 23222), (68, 23270), (80, 23321), (98, 23366), (103, 23372), (124, 23477), (125, 23489), (143, 23567), (157, 23636), (194, 23864), (196, 23888), (197, 23891), (200, 23918), (201, 23921), (220, 24026), (223, 24047), (225, 24056), (245, 24161), (253, 24200), (260, 24245), (286, 24407), (288, 24413), (318, 24530), (320, 24536), (330, 24581), (349, 24632), (350, 24635), (369, 24698), (373, 24707), (396, 24794),

Gene: Sunhee_30 Start: 22065, Stop: 23957, Start Num: 3

Candidate Starts for Sunhee_30:

(3, 22065), (5, 22086), (23, 22248), (26, 22278), (29, 22323), (33, 22335), (67, 22524), (72, 22536), (107, 22638), (174, 22980), (175, 22983), (188, 23064), (198, 23124), (202, 23148), (221, 23253), (227, 23292), (240, 23349), (241, 23352), (278, 23565), (280, 23580), (308, 23700), (397, 23946), (399, 23949),

Gene: Superchunk_30 Start: 21397, Stop: 22950, Start Num: 18

Candidate Starts for Superchunk_30:

(Start: 15 @21391 has 5 MA's), (Start: 18 @21397 has 37 MA's), (36, 21517), (43, 21550), (44, 21553), (49, 21580), (66, 21667), (104, 21754), (130, 21856), (227, 22384), (229, 22390), (236, 22420), (242, 22453), (244, 22465), (262, 22558), (268, 22588), (283, 22684), (300, 22756), (318, 22822), (323, 22834), (337, 22879),

Gene: SwirlSquare_32 Start: 21533, Stop: 23197, Start Num: 18

Candidate Starts for SwirlSquare_32:

(Start: 18 @21533 has 37 MA's), (34, 21644), (42, 21680), (62, 21779), (66, 21803), (110, 21971), (111, 21977), (227, 22598), (244, 22679), (262, 22772), (268, 22802), (283, 22898), (300, 22970), (324, 23057), (341, 23126),

Gene: TNguyen7_31 Start: 22806, Stop: 24665, Start Num: 11

Candidate Starts for TNguyen7_31:

(Start: 11 @22806 has 115 MA's), (36, 22950), (39, 22965), (48, 23007), (70, 23130), (81, 23178), (99, 23220), (103, 23226), (106, 23247), (156, 23487), (163, 23517), (169, 23565), (187, 23691), (195, 23730), (199, 23769), (210, 23826), (215, 23859), (247, 24021), (248, 24024), (258, 24081), (270, 24147), (274, 24162), (317, 24363), (353, 24489), (354, 24492), (380, 24573), (384, 24585), (392, 24612), (398, 24642),

Gene: Taquarus_31 Start: 22963, Stop: 24819, Start Num: 12

Candidate Starts for Taquarus_31:

(Start: 12 @22963 has 161 MA's), (34, 23089), (39, 23113), (61, 23218), (62, 23224), (68, 23272), (71, 23281), (80, 23323), (98, 23368), (103, 23374), (124, 23479), (125, 23491), (143, 23569), (157, 23638), (194, 23866), (196, 23890), (197, 23893), (200, 23920), (201, 23923), (220, 24028), (225, 24058), (228, 24073), (245, 24163), (253, 24202), (260, 24247), (288, 24415), (318, 24532), (320, 24538), (330, 24583), (349, 24634), (350, 24637), (369, 24700), (373, 24709), (396, 24796),

Gene: Taurus_33 Start: 23276, Stop: 25033, Start Num: 11

Candidate Starts for Taurus_33:

(Start: 11 @23276 has 115 MA's), (34, 23411), (48, 23477), (57, 23522), (64, 23558), (98, 23690), (109, 23726), (128, 23747), (141, 23804), (154, 23864), (167, 23918), (173, 23978), (193, 24098), (194, 24101), (203, 24170), (209, 24194), (225, 24287), (230, 24308), (239, 24353), (303, 24683), (320, 24752), (337, 24815), (390, 24986),

Gene: Texage_31 Start: 23374, Stop: 25233, Start Num: 11

Candidate Starts for Texage_31:

(Start: 11 @23374 has 115 MA's), (36, 23518), (40, 23536), (48, 23575), (53, 23596), (61, 23638), (64, 23656), (106, 23815), (114, 23842), (134, 23947), (137, 23968), (156, 24055), (164, 24097), (199, 24337), (215, 24427), (225, 24484), (258, 24649), (268, 24703), (270, 24715), (274, 24730), (298, 24859), (301, 24871), (317, 24931), (320, 24943), (331, 24988), (337, 25006), (384, 25153), (392, 25180), (398, 25210),

Gene: Thanksgivukkah_31 Start: 22961, Stop: 24817, Start Num: 12

Candidate Starts for Thanksgivukkah_31:

(Start: 12 @22961 has 161 MA's), (34, 23087), (39, 23111), (61, 23216), (62, 23222), (68, 23270), (71, 23279), (80, 23321), (98, 23366), (103, 23372), (124, 23477), (125, 23489), (143, 23567), (157, 23636), (194, 23864), (196, 23888), (197, 23891), (200, 23918), (201, 23921), (220, 24026), (225, 24056), (228, 24071), (245, 24161), (253, 24200), (260, 24245), (288, 24413), (318, 24530), (320, 24536), (330, 24581), (349, 24632), (350, 24635), (369, 24698), (373, 24707), (396, 24794),

Gene: Tiffany_33 Start: 23171, Stop: 24922, Start Num: 11

Candidate Starts for Tiffany_33:

(Start: 11 @23171 has 115 MA's), (34, 23306), (48, 23372), (57, 23417), (64, 23453), (77, 23525), (81, 23543), (109, 23621), (128, 23642), (141, 23699), (154, 23759), (177, 23897), (193, 23993), (194, 23996), (203, 24065), (209, 24089), (216, 24134), (225, 24182), (239, 24248), (271, 24419), (273, 24425), (279, 24476), (288, 24521), (308, 24599), (320, 24641), (330, 24683), (362, 24785), (363, 24788), (371, 24812),

Gene: TinaFeyge_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for TinaFeyge_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (124, 23473), (125, 23485), (135, 23539), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (260, 24241), (288, 24409), (318, 24526), (320, 24532), (330, 24577), (349, 24628), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: TinyPebbles_33 Start: 23366, Stop: 25117, Start Num: 11

Candidate Starts for TinyPebbles_33:

(Start: 11 @23366 has 115 MA's), (34, 23501), (48, 23567), (57, 23612), (64, 23648), (86, 23759), (98, 23780), (109, 23816), (128, 23837), (154, 23954), (177, 24092), (193, 24188), (194, 24191), (203, 24260), (209, 24284), (216, 24329), (225, 24377), (239, 24443), (271, 24614), (273, 24620), (279, 24671), (288, 24716), (297, 24746), (308, 24794), (320, 24836), (325, 24851), (326, 24854), (330, 24878), (362, 24980), (363, 24983), (371, 25007),

Gene: Tinybot_30 Start: 22937, Stop: 24793, Start Num: 12

Candidate Starts for Tinybot_30:

(Start: 12 @22937 has 161 MA's), (34, 23063), (39, 23087), (68, 23246), (71, 23255), (80, 23297), (98, 23342), (103, 23348), (124, 23453), (125, 23465), (143, 23543), (157, 23612), (185, 23780), (189, 23810), (194, 23840), (197, 23867), (200, 23894), (201, 23897), (220, 24002), (223, 24023), (225, 24032), (245, 24137), (253, 24176), (260, 24221), (286, 24383), (318, 24506), (320, 24512), (369, 24674), (373, 24683),

Gene: TipsytheTRex_30 Start: 21878, Stop: 23713, Start Num: 16

Candidate Starts for TipsytheTRex_30:

(Start: 16 @21878 has 2 MA's), (36, 22001), (39, 22016), (43, 22034), (56, 22091), (64, 22139), (66, 22151), (89, 22262), (110, 22319), (111, 22325), (148, 22505), (166, 22589), (172, 22640), (179, 22661), (192, 22727), (204, 22811), (208, 22823), (227, 22931), (244, 23012), (264, 23111), (283, 23231), (333, 23435), (339, 23450), (375, 23561), (385, 23603),

Gene: TiroTheta9_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for TiroTheta9_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (124, 23473), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (260, 24241), (288, 24409), (318, 24526), (320, 24532), (330, 24577), (349, 24628), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: Toaka_30 Start: 22544, Stop: 24361, Start Num: 17

Candidate Starts for Toaka_30:

(Start: 17 @22544 has 11 MA's), (19, 22550), (32, 22649), (62, 22793), (66, 22817), (150, 23180), (151, 23183), (158, 23216), (171, 23294), (174, 23318), (178, 23336), (183, 23360), (202, 23486), (217, 23576), (246, 23714), (280, 23918), (289, 23963), (292, 23972), (312, 24047), (313, 24050),

(397, 24350),

Gene: Todacoro_32 Start: 23373, Stop: 25232, Start Num: 11

Candidate Starts for Todacoro_32:

(Start: 11 @23373 has 115 MA's), (36, 23517), (40, 23535), (48, 23574), (53, 23595), (61, 23637), (64, 23655), (106, 23814), (114, 23841), (134, 23946), (137, 23967), (156, 24054), (164, 24096), (197, 24318), (199, 24336), (215, 24426), (225, 24483), (258, 24648), (268, 24702), (270, 24714), (274, 24729), (298, 24858), (301, 24870), (317, 24930), (320, 24942), (331, 24987), (337, 25005), (384, 25152), (392, 25179), (398, 25209),

Gene: Tomathan_34 Start: 22559, Stop: 24412, Start Num: 18

Candidate Starts for Tomathan_34:

(Start: 15 @22553 has 5 MA's), (Start: 18 @22559 has 37 MA's), (36, 22679), (56, 22769), (66, 22829), (75, 22880), (104, 22973), (110, 22997), (111, 23003), (204, 23510), (218, 23579), (236, 23666), (253, 23747), (283, 23930), (339, 24149), (342, 24161), (353, 24191), (375, 24260), (380, 24284), (383, 24293), (394, 24329),

Gene: Topanga_33 Start: 23566, Stop: 25401, Start Num: 12

Candidate Starts for Topanga_33:

(Start: 12 @23566 has 161 MA's), (39, 23713), (47, 23749), (76, 23905), (93, 23974), (94, 23995), (96, 24022), (156, 24235), (160, 24253), (187, 24439), (195, 24478), (199, 24517), (210, 24574), (215, 24607), (225, 24664), (237, 24718), (250, 24790), (251, 24793), (274, 24910), (275, 24934), (278, 24949), (279, 24955), (288, 25003), (296, 25030), (309, 25084), (316, 25105), (317, 25108), (322, 25126), (335, 25183), (340, 25198), (356, 25246), (367, 25279), (378, 25309), (398, 25384),

Gene: Travvers_34 Start: 22559, Stop: 24412, Start Num: 18

Candidate Starts for Travvers_34:

(Start: 15 @22553 has 5 MA's), (Start: 18 @22559 has 37 MA's), (36, 22679), (56, 22769), (66, 22829), (75, 22880), (104, 22973), (110, 22997), (111, 23003), (204, 23510), (218, 23579), (236, 23666), (253, 23747), (353, 24191), (357, 24206), (375, 24260), (380, 24284), (383, 24293), (394, 24329),

Gene: Tristan_33 Start: 24889, Stop: 26664, Start Num: 12

Candidate Starts for Tristan_33:

(9, 24850), (Start: 12 @24889 has 161 MA's), (34, 25000), (36, 25009), (49, 25066), (56, 25093), (71, 25186), (103, 25279), (106, 25300), (109, 25309), (122, 25330), (124, 25342), (149, 25465), (156, 25498), (160, 25516), (164, 25540), (182, 25654), (195, 25741), (199, 25780), (201, 25792), (210, 25837), (247, 26032), (250, 26053), (278, 26212), (279, 26218), (309, 26347), (335, 26446), (340, 26461), (367, 26542), (386, 26602), (398, 26647),

Gene: Trixie_34 Start: 24439, Stop: 26220, Start Num: 15

Candidate Starts for Trixie_34:

(Start: 15 @24439 has 5 MA's), (34, 24556), (36, 24565), (64, 24697), (135, 24964), (156, 25054), (160, 25072), (164, 25096), (199, 25336), (215, 25426), (225, 25483), (249, 25606), (273, 25723), (278, 25768), (309, 25903), (316, 25924), (322, 25945), (340, 26017), (367, 26098), (378, 26128), (386, 26158),

Gene: TroyPia_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for TroyPia_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Tubs_33 Start: 24377, Stop: 26143, Start Num: 14

Candidate Starts for Tubs_33:

(Start: 14 @24377 has 26 MA's), (19, 24389), (48, 24563), (66, 24653), (77, 24698), (79, 24707), (109, 24785), (123, 24809), (129, 24845), (156, 24974), (160, 24992), (195, 25217), (197, 25238), (199, 25256), (215, 25346), (225, 25403), (249, 25526), (274, 25649), (278, 25688), (288, 25745), (309, 25826), (316, 25847), (317, 25850), (340, 25940), (378, 26051), (398, 26126),

Gene: Twister_33 Start: 23481, Stop: 25316, Start Num: 12

Candidate Starts for Twister_33:

(Start: 12 @23481 has 161 MA's), (21, 23514), (47, 23664), (93, 23889), (94, 23910), (96, 23937), (149, 24117), (156, 24150), (160, 24168), (164, 24192), (180, 24300), (199, 24432), (210, 24489), (215, 24522), (225, 24579), (237, 24633), (240, 24648), (249, 24702), (270, 24810), (274, 24825), (275, 24849), (278, 24864), (294, 24936), (305, 24981), (309, 24999), (316, 25020), (317, 25023), (335, 25098), (340, 25113), (367, 25194), (378, 25224), (386, 25254), (398, 25299), (400, 25302),

Gene: TygerBlood_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for TygerBlood_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Ugenie5_30 Start: 24410, Stop: 26176, Start Num: 14

Candidate Starts for Ugenie5_30:

(Start: 14 @24410 has 26 MA's), (19, 24422), (48, 24596), (66, 24686), (77, 24731), (79, 24740), (109, 24818), (123, 24842), (129, 24878), (156, 25007), (160, 25025), (195, 25250), (197, 25271), (199, 25289), (215, 25379), (225, 25436), (249, 25559), (274, 25682), (278, 25721), (288, 25778), (309, 25859), (316, 25880), (317, 25883), (340, 25973), (378, 26084), (398, 26159),

Gene: Ulysses_30 Start: 22678, Stop: 24534, Start Num: 12

Candidate Starts for Ulysses_30:

(Start: 12 @22678 has 161 MA's), (34, 22804), (39, 22828), (61, 22933), (62, 22939), (68, 22987), (71, 22996), (80, 23038), (98, 23083), (103, 23089), (124, 23194), (125, 23206), (138, 23269), (143, 23284), (157, 23353), (185, 23521), (194, 23581), (197, 23608), (200, 23635), (201, 23638), (220, 23743), (223, 23764), (225, 23773), (245, 23878), (260, 23962), (275, 24061), (318, 24247), (320, 24253), (330, 24298), (349, 24349), (350, 24352), (369, 24415), (373, 24424), (396, 24511),

Gene: VA6_31 Start: 22715, Stop: 24568, Start Num: 18

Candidate Starts for VA6_31:

(Start: 15 @22709 has 5 MA's), (Start: 18 @22715 has 37 MA's), (36, 22835), (56, 22925), (66, 22985), (68, 23009), (75, 23036), (104, 23129), (110, 23153), (111, 23159), (132, 23261), (204, 23666), (218, 23735), (253, 23903), (268, 23990), (283, 24086), (319, 24233), (353, 24347), (375, 24416), (380, 24440), (389, 24470), (394, 24485),

Gene: VC3_34 Start: 22703, Stop: 24556, Start Num: 18

Candidate Starts for VC3_34:

(Start: 15 @22697 has 5 MA's), (Start: 18 @22703 has 37 MA's), (36, 22823), (56, 22913), (66, 22973), (68, 22997), (75, 23024), (104, 23117), (110, 23141), (111, 23147), (132, 23249), (204, 23654), (218, 23723), (253, 23891), (268, 23978), (283, 24074), (319, 24221), (353, 24335), (375, 24404), (380, 24428), (389, 24458), (394, 24473),

Gene: Veracruz_31 Start: 23373, Stop: 25232, Start Num: 11

Candidate Starts for Veracruz_31:

(Start: 11 @23373 has 115 MA's), (36, 23517), (40, 23535), (48, 23574), (53, 23595), (61, 23637), (64, 23655), (106, 23814), (114, 23841), (134, 23946), (137, 23967), (156, 24054), (164, 24096), (197, 24318), (199, 24336), (215, 24426), (225, 24483), (258, 24648), (268, 24702), (270, 24714), (274, 24729), (298, 24858), (301, 24870), (317, 24930), (320, 24942), (331, 24987), (337, 25005), (384, 25152), (392, 25179), (398, 25209),

Gene: Vix_33 Start: 23359, Stop: 25116, Start Num: 11

Candidate Starts for Vix_33:

(Start: 11 @23359 has 115 MA's), (34, 23494), (48, 23560), (57, 23605), (64, 23641), (98, 23773), (109, 23809), (128, 23830), (141, 23887), (154, 23947), (167, 24001), (173, 24061), (193, 24181), (194, 24184), (203, 24253), (209, 24277), (225, 24370), (230, 24391), (239, 24436), (303, 24766), (320, 24835), (337, 24898), (390, 25069),

Gene: WalterMcMickey_33 Start: 23481, Stop: 25316, Start Num: 12

Candidate Starts for WalterMcMickey_33:

(Start: 12 @23481 has 161 MA's), (21, 23514), (47, 23664), (93, 23889), (94, 23910), (96, 23937), (149, 24117), (156, 24150), (160, 24168), (164, 24192), (180, 24300), (199, 24432), (210, 24489), (215, 24522), (225, 24579), (237, 24633), (240, 24648), (249, 24702), (270, 24810), (274, 24825), (275, 24849), (278, 24864), (294, 24936), (305, 24981), (309, 24999), (316, 25020), (317, 25023), (335, 25098), (340, 25113), (367, 25194), (378, 25224), (386, 25254), (398, 25299), (400, 25302),

Gene: Wander_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Wander_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (223, 24046), (225, 24055), (245, 24160), (253, 24199), (260, 24244), (286, 24406), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Watson_33 Start: 23269, Stop: 25026, Start Num: 11

Candidate Starts for Watson_33:

(Start: 11 @23269 has 115 MA's), (34, 23404), (48, 23470), (57, 23515), (64, 23551), (98, 23683), (109, 23719), (128, 23740), (141, 23797), (154, 23857), (167, 23911), (173, 23971), (193, 24091), (194, 24094), (203, 24163), (209, 24187), (225, 24280), (230, 24301), (239, 24346), (303, 24676), (320, 24745), (337, 24808), (390, 24979),

Gene: WeiHuaDA_37 Start: 25110, Stop: 26891, Start Num: 15

Candidate Starts for WeiHuaDA_37:

(Start: 15 @25110 has 5 MA's), (34, 25227), (36, 25236), (64, 25368), (106, 25527), (135, 25635), (137, 25638), (156, 25725), (160, 25743), (164, 25767), (195, 25968), (199, 26007), (215, 26097), (225, 26154), (237, 26208), (249, 26277), (273, 26394), (278, 26439), (309, 26574), (316, 26595), (322, 26616), (338, 26682), (367, 26769), (378, 26799), (386, 26829), (398, 26874),

Gene: Wilbur_31 Start: 22960, Stop: 24816, Start Num: 12

Candidate Starts for Wilbur_31:

(Start: 12 @22960 has 161 MA's), (34, 23086), (39, 23110), (61, 23215), (62, 23221), (68, 23269), (71, 23278), (80, 23320), (98, 23365), (103, 23371), (124, 23476), (125, 23488), (143, 23566), (157, 23635), (194, 23863), (196, 23887), (197, 23890), (200, 23917), (201, 23920), (220, 24025), (225, 24055), (228, 24070), (245, 24160), (253, 24199), (260, 24244), (288, 24412), (318, 24529), (320, 24535), (330, 24580), (349, 24631), (350, 24634), (369, 24697), (373, 24706), (396, 24793),

Gene: Wile_31 Start: 22982, Stop: 24841, Start Num: 12

Candidate Starts for Wile_31:

(7, 22922), (8, 22937), (Start: 12 @22982 has 161 MA's), (26, 23048), (30, 23093), (32, 23099), (39, 23132), (43, 23150), (53, 23195), (55, 23201), (56, 23207), (71, 23300), (74, 23315), (98, 23387), (115, 23447), (124, 23498), (125, 23510), (143, 23588), (157, 23657), (176, 23780), (181, 23804), (194, 23885), (199, 23930), (200, 23939), (201, 23942), (223, 24071), (225, 24080), (235, 24122), (239, 24149), (245, 24185), (249, 24212), (253, 24224), (277, 24380), (318, 24554), (320, 24560), (330, 24605), (349, 24656), (350, 24659), (359, 24695), (373, 24731),

Gene: Wizard007_31 Start: 22962, Stop: 24818, Start Num: 12

Candidate Starts for Wizard007_31:

(Start: 12 @22962 has 161 MA's), (34, 23088), (39, 23112), (61, 23217), (62, 23223), (68, 23271), (71, 23280), (80, 23322), (98, 23367), (103, 23373), (124, 23478), (125, 23490), (143, 23568), (157, 23637), (194, 23865), (196, 23889), (197, 23892), (200, 23919), (201, 23922), (220, 24027), (225, 24057), (228, 24072), (245, 24162), (253, 24201), (260, 24246), (288, 24414), (318, 24531), (320, 24537), (330, 24582), (349, 24633), (350, 24636), (369, 24699), (373, 24708), (396, 24795),

Gene: Wooldri_35 Start: 23188, Stop: 24945, Start Num: 11

Candidate Starts for Wooldri_35:

(Start: 11 @23188 has 115 MA's), (34, 23323), (48, 23389), (57, 23434), (64, 23470), (98, 23602), (109, 23638), (128, 23659), (141, 23716), (154, 23776), (167, 23830), (173, 23890), (193, 24010), (194, 24013), (203, 24082), (209, 24106), (225, 24199), (230, 24220), (239, 24265), (303, 24595), (320, 24664), (337, 24727), (390, 24898),

Gene: WorldCup_29 Start: 22236, Stop: 23978, Start Num: 17

Candidate Starts for WorldCup_29:

(Start: 17 @22236 has 11 MA's), (19, 22242), (36, 22359), (43, 22392), (66, 22509), (70, 22539), (82, 22587), (84, 22596), (85, 22599), (121, 22686), (134, 22731), (143, 22758), (158, 22833), (171, 22911), (183, 22977), (202, 23103), (280, 23535), (289, 23580), (325, 23712), (368, 23853), (372, 23865), (381, 23904), (397, 23967),

Gene: Xena_31 Start: 22969, Stop: 24828, Start Num: 12

Candidate Starts for Xena_31:

(7, 22909), (Start: 12 @22969 has 161 MA's), (26, 23035), (30, 23080), (32, 23086), (39, 23119), (43, 23137), (53, 23182), (55, 23188), (56, 23194), (71, 23287), (74, 23302), (98, 23374), (115, 23434), (124, 23485), (125, 23497), (143, 23575), (157, 23644), (176, 23767), (181, 23791), (194, 23872), (199, 23917), (200, 23926), (201, 23929), (223, 24058), (225, 24067), (235, 24109), (239, 24136), (245, 24172), (249, 24199), (253, 24211), (277, 24367), (318, 24541), (320, 24547), (330, 24592), (349, 24643), (350, 24646), (359, 24682), (373, 24718),

Gene: XianYue_31 Start: 22723, Stop: 24396, Start Num: 15

Candidate Starts for XianYue_31:

(Start: 15 @22723 has 5 MA's), (34, 22840), (36, 22849), (37, 22855), (42, 22876), (48, 22906), (64, 22987), (109, 23155), (117, 23179), (144, 23287), (159, 23353), (206, 23620), (252, 23833), (285, 24019), (295, 24064), (297, 24073), (311, 24124), (315, 24142), (380, 24361), (388, 24388),

Gene: Yecey3_32 Start: 22435, Stop: 24132, Start Num: 15

Candidate Starts for Yecey3_32:

(Start: 15 @22435 has 5 MA's), (31, 22540), (43, 22594), (49, 22624), (62, 22687), (66, 22711), (110, 22789), (116, 22810), (118, 22813), (127, 22864), (132, 22885), (148, 22963), (149, 22966), (204, 23278), (205, 23281), (212, 23314), (213, 23320), (227, 23404), (229, 23410), (232, 23425), (244, 23485), (269, 23617), (283, 23704), (317, 23839), (325, 23866), (348, 23941), (351, 23956), (365,

23992), (372, 24016), (379, 24049), (383, 24061),

Gene: YoSam321_31 Start: 22957, Stop: 24813, Start Num: 12

Candidate Starts for YoSam321_31:

(Start: 12 @22957 has 161 MA's), (34, 23083), (39, 23107), (61, 23212), (62, 23218), (68, 23266), (71, 23275), (80, 23317), (98, 23362), (103, 23368), (124, 23473), (125, 23485), (143, 23563), (157, 23632), (194, 23860), (196, 23884), (197, 23887), (200, 23914), (201, 23917), (220, 24022), (225, 24052), (228, 24067), (245, 24157), (253, 24196), (260, 24241), (288, 24409), (318, 24526), (320, 24532), (330, 24577), (349, 24628), (350, 24631), (369, 24694), (373, 24703), (396, 24790),

Gene: Zarafa_31 Start: 22901, Stop: 24760, Start Num: 11

Candidate Starts for Zarafa_31:

(Start: 11 @22901 has 115 MA's), (32, 23027), (34, 23036), (48, 23102), (53, 23123), (61, 23165), (103, 23321), (114, 23369), (125, 23438), (126, 23444), (134, 23474), (156, 23582), (160, 23600), (164, 23624), (199, 23864), (215, 23954), (238, 24071), (258, 24176), (270, 24242), (274, 24257), (307, 24428), (337, 24533), (354, 24587), (367, 24626), (384, 24680), (392, 24707), (396, 24731),

Gene: Zetzy_32 Start: 22817, Stop: 24574, Start Num: 11

Candidate Starts for Zetzy_32:

(Start: 11 @22817 has 115 MA's), (34, 22952), (48, 23018), (57, 23063), (86, 23210), (109, 23267), (128, 23288), (154, 23405), (167, 23459), (173, 23519), (189, 23612), (193, 23639), (194, 23642), (203, 23711), (209, 23735), (216, 23780), (227, 23840), (230, 23849), (239, 23894), (247, 23933), (258, 23990), (303, 24224), (320, 24293), (337, 24356), (371, 24464),