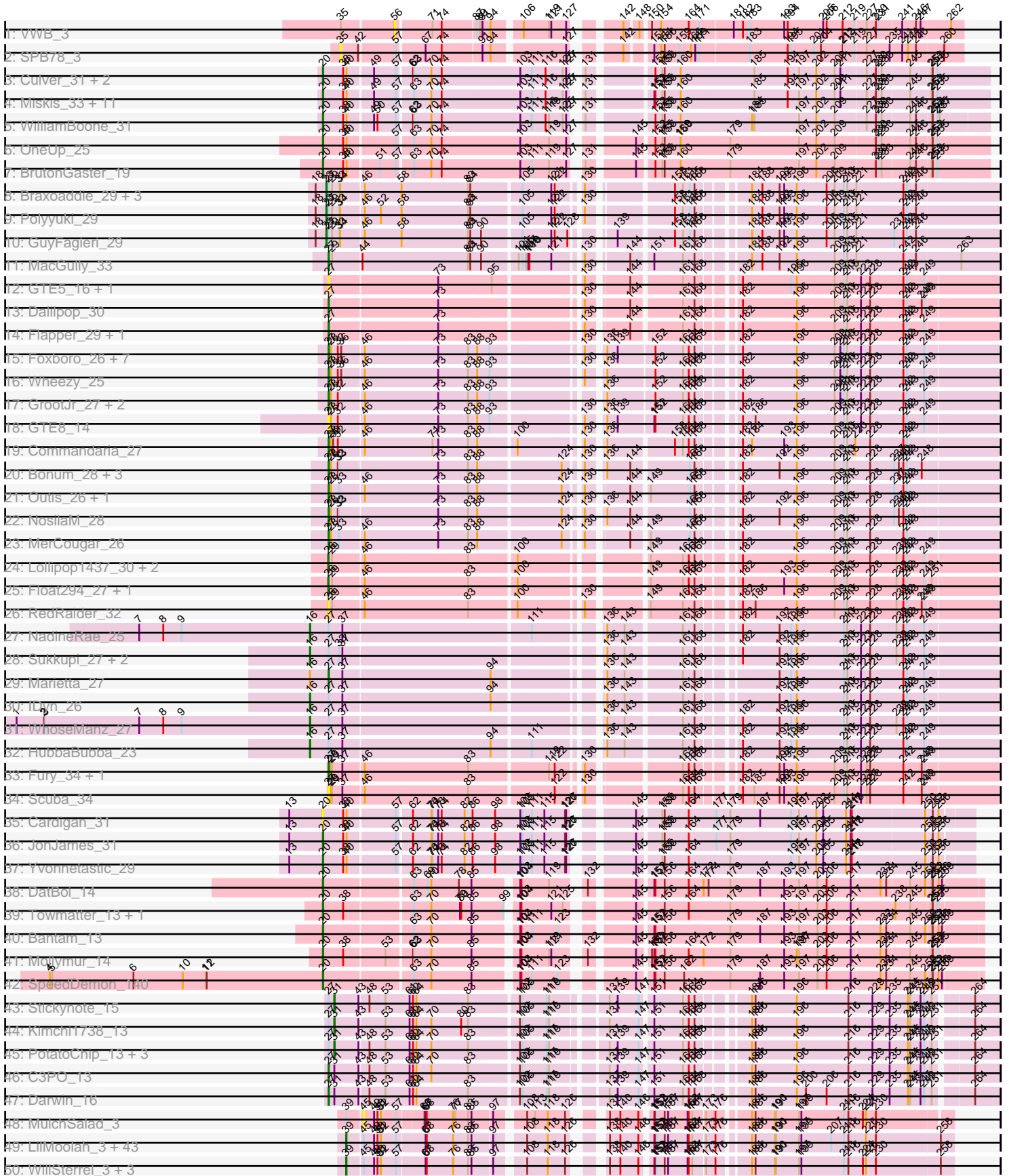


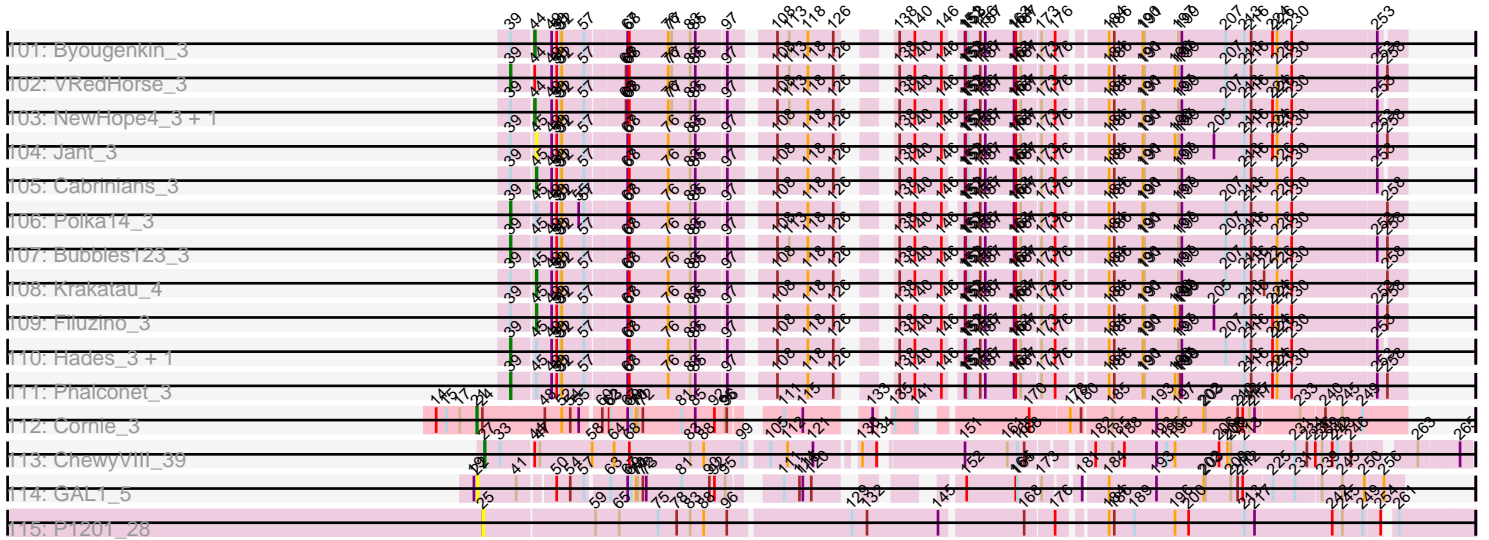
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51: KingJulian_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
52: Tweety_3 + 3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
53: PopTart_3 + 8	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
54: Violac_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
55: DotProduct_3 + 19	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
56: Leperchaun_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
57: Kerish_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
58: Ucn17_3 + 6	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
59: Kenuha5_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
60: QuickMath_3 + 11	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
61: Cornum_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
62: EmmiMonkey_3 + 2	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
63: Chevrolet_3 + 1	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
64: Sandalphon_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
65: BodEinwohner17_3 + 2	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
66: LunaBlu_3 + 6	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
67: Estave1_3 + 1	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
68: Eish_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
69: BobaPheit_3 + 1	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
70: Zizzle_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
71: Gandaiph_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
72: Karndo_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
73: Phatniss_3 + 1	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
74: Brocalys_3 + 2	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
75: SuperGrey_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
76: Veteran_3 + 1	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
77: Iohubesi_3 + 1	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
78: Minnie_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
79: Juniper1_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
80: LastJedi_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
81: Ilipilo_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
82: Fancypants_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
83: Mantra_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
84: Empress_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
85: Clinton_3 + 2	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
86: Fiornda_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
87: MillenniumForce_4	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
88: GigiOuiOui_3 + 1	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
89: Grimmer_4	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
90: ShroomBoi_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
91: wachhund_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
92: DoRead_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
93: Doug_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
94: Saabb_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
95: Maravista_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
96: vivum_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
97: IbOuu_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
98: Fastidio_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
99: CheesePuff_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218
100: Mattes_3	30	35	51	00	70	88	91	108	118	126	130	140	146	150	156	160	205	206	210	218

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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 215778 Report

This analysis was run 02/22/25 on database version 588.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 215778 has 272 members, 33 are drafts.

Phages represented in each track:

- Track 1 : VWB_3
- Track 2 : SPB78_3
- Track 3 : Culver_31, Dusty_29, Abscondus_30
- Track 4 : Miskis_33, Geeche_30, Smoothie_32, Lozinak_31, Norvs_32, Cucurbita_33, Engineer_32, Toniann_31, Aphelion_31, Bachita_33, PhinkBoden_31, ClubL_31
- Track 5 : WilliamBoone_31
- Track 6 : OneUp_25
- Track 7 : BrutonGaster_19
- Track 8 : Braxoaddie_29, CoffeeBean_29, Maselop_29, Apiary_29
- Track 9 : Polyuyuki_29
- Track 10 : GuyFagieri_29
- Track 11 : MacGully_33
- Track 12 : GTE5_16, GRU1_15
- Track 13 : Dalilpop_30
- Track 14 : Flapper_29, Turuncu_29
- Track 15 : Foxboro_26, Tracker_25, NatB6_25, Kurt_25, KidneyBean_25, Phomeo_24, Jifall16_24, Emianna_25
- Track 16 : Wheezy_25
- Track 17 : GrootJr_27, Arti_25, NovumRegina_25
- Track 18 : GTE8_14
- Track 19 : Commandaria_27
- Track 20 : Bonum_28, Kabluna_28, SuperSulley_26, Buggaboo_26
- Track 21 : Outis_26, StarStruck_26
- Track 22 : NosilaM_28
- Track 23 : MerCougar_26
- Track 24 : Lollipop1437_30, Ennea_31, Patio_28
- Track 25 : Float294_27, Skysand_27
- Track 26 : RedRaider_32
- Track 27 : NadineRae_25
- Track 28 : Sukkupi_27, Yndexa_27, BiPauneto_28
- Track 29 : Marietta_27
- Track 30 : IDyn_26

- Track 31 : WhoseManz_27
- Track 32 : HubbaBubba_23
- Track 33 : Fury_34, Pleakley_34
- Track 34 : Scuba_34
- Track 35 : Cardigan_31
- Track 36 : JonJames_31
- Track 37 : Yvonnetastic_29
- Track 38 : DatBoi_14
- Track 39 : Towmatter_13, Daredevil_13
- Track 40 : Bantam_13
- Track 41 : Mollymur_14
- Track 42 : SpeedDemon_140
- Track 43 : Stickynote_15
- Track 44 : Kimchi1738_13
- Track 45 : PotatoChip_13, Cruella_13, Zion_13, PeteyPab_13
- Track 46 : C3PO_13
- Track 47 : Darwin_16
- Track 48 : MulchSalad_3
- Track 49 : LilMoolah_3, KingMidas_3, SwagPiggett_3, MisterCuddles_3, Nimbo_3, Daenerys_3, Scottish_3, OlympiaSaint_3, Eradicator_3, ByChance_3, PHappiness_3, RedBird_3, FreddyB_3, Crumble_3, Nivrat_3, JoeyJr_3, Llij_3, Dorothy_3, Inventum_3, Radiance_3, Geralt_3, Blexus_3, Burwell21_3, OldBen_3, Lizziana_3, Spoonbill_3, BlueCrab_3, Zerg_3, Doomphist_3, PMC_3, Pacc40_3, Rockne_3, ShowerHandel_3, ShiLan_3, Ruby_3, Yorick_3, Poenanya_3, Jarcob_3, Sassafras_3, Martik_3, Priscilla_3, Deb65_3, RitaG_3, Girr_3
- Track 50 : WillSterrel_3, Koella_3, Spartacus_3, IrishSherpFalk_3
- Track 51 : KingJulian_3
- Track 52 : Tweety_3, Dante_3, DillTech15_3, Donkeykong_3
- Track 53 : PopTart_3, DeadP_3, Akhila_4, Bipolar_3, Rita_3, Taj_3, Mutaforma13_3, MilanaBonita_4, SassyB_3
- Track 54 : Violac_3
- Track 55 : DotProduct_3, Hamulus_3, Phasih_3, KristaRAM_4, Emma_3, Sparkdehlily_3, StAnnes_3, EleanorGeorge_3, TDanisky_3, DLane_3, MinionDave_4, Guppsters_3, Aubs_3, DRBy19_3, Chuckly_3, Batiatus_3, Ovechkin_3, Whatsapiecost_3, SG4_3, CaptainTrips_4
- Track 56 : Leperchaun_3
- Track 57 : Kersh_3
- Track 58 : Ochi17_3, Seabastian_3, Llama_3, AlpineSix_3, Modragons_3, OfUltron_3, Jinglebell_3
- Track 59 : Kenuha5_3
- Track 60 : QuickMath_3, Firehouse51_3, PhesterPhotato_3, XFactor_3, Ms6_3, Melissauren88_3, Ardmore_3, Wee_3, Phanphagia_3, Shauna1_3, Fruitloop_3, Royals2015_3
- Track 61 : Corium_3
- Track 62 : EmiMonkey_3, MadMen_3, PhlipPhlop_3
- Track 63 : Chevrolet_3, ArcusAngelus_3
- Track 64 : Sandalphon_3
- Track 65 : BodEinwohner17_3, DaddyRickover_3, Philus_3
- Track 66 : LunaBlu_3, Galactic_3, Strokeseat_3, Hlubikazi_3, Latretium_3, Mandlovu_3, Mahavrat_3
- Track 67 : Estave1_3, Che8_3
- Track 68 : Eish_3
- Track 69 : BobaPhett_3, James_3

- Track 70 : Zizzle_3
- Track 71 : Gandalph_3
- Track 72 : Karhdo_3
- Track 73 : Phatniss_3, SiSi_3
- Track 74 : Brocalys_3, Gorge_3, Saal_3
- Track 75 : SuperGrey_3
- Track 76 : Veteran_3, GUmbie_3
- Track 77 : Ibhubesi_3, Harley_3
- Track 78 : Minnie_3
- Track 79 : Juniper1_3
- Track 80 : LastJedi_3
- Track 81 : IMpilo_3
- Track 82 : Fancypants_3
- Track 83 : Mantra_3
- Track 84 : Empress_3
- Track 85 : Clifton_3, NormanBulbieJr_3, Pippy_3
- Track 86 : Florinda_3
- Track 87 : MilleniumForce_4
- Track 88 : GigiOuiOui_3, Moonbeam_3
- Track 89 : Grimmer_4
- Track 90 : ShroomBoi_3
- Track 91 : Wachhund_3
- Track 92 : DoRead_3
- Track 93 : Doug_3
- Track 94 : Sabbb_3
- Track 95 : Maravista_3
- Track 96 : Vivum_3
- Track 97 : IbOuu_3
- Track 98 : Fastidio_3
- Track 99 : Cheesepuff_3
- Track 100 : Mattes_3
- Track 101 : Byougenkin_3
- Track 102 : VRedHorse_3
- Track 103 : NewHope4_3, Whouxphf_3
- Track 104 : Jant_3
- Track 105 : Cabrinians_3
- Track 106 : Polka14_3
- Track 107 : Bubbles123_3
- Track 108 : Krakatau_4
- Track 109 : Filuzino_3
- Track 110 : Hades_3, Nitzel_4
- Track 111 : Phalconet_3
- Track 112 : Cornie_3
- Track 113 : ChewyVIII_39
- Track 114 : GAL1_5
- Track 115 : P1201_28

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

The start number called the most often in the published annotations is 39, it was called in 151 of the 239 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akhila_4, AlpineSix_3, ArcusAngelus_3, Ardmore_3, Aubs_3, Batiatus_3, Bipolar_3, Blexus_3, BlueCrab_3, BobaPhett_3, Brocalys_3, Bubbles123_3, Burwell21_3, ByChance_3, CaptainTrips_4, Che8_3, Chevrolet_3, Chuckly_3, Clifton_3, Crumble_3, DLane_3, DRBy19_3, Daenerys_3, Dante_3, DeadP_3, Deb65_3, DillTech15_3, Donkeykong_3, Doomphist_3, Dorothy_3, DotProduct_3, Doug_3, Eish_3, EleanorGeorge_3, EmiMonkey_3, Emma_3, Empress_3, Eradicator_3, Estave1_3, Fancypants_3, Fastidio_3, Firehouse51_3, Florinda_3, FreddyB_3, Fruitloop_3, GUmbe_3, Galactic_3, Geralt_3, GigiOuiOui_3, Girr_3, Gorge_3, Guppsters_3, Hades_3, Hamulus_3, Harley_3, Hlubikazi_3, Ibhubesi_3, Inventum_3, IrishSherpFalk_3, James_3, Jarcob_3, Jinglebell_3, JoeyJr_3, Karhdo_3, Kenuha5_3, Kersh_3, KingJulian_3, KingMidas_3, Koella_3, KristaRAM_4, LastJedi_3, Latretium_3, Leperchaun_3, LilMoolah_3, Lizziana_3, Llama_3, Llij_3, LunaBlu_3, MadMen_3, Mahavrat_3, Mandlovu_3, Maravista_3, Martik_3, Melissauren88_3, MilanaBonita_4, MilleniumForce_4, MinionDave_4, MisterCuddles_3, Modragons_3, Moonbeam_3, Ms6_3, Mutaforma13_3, Nimbo_3, Nitzel_4, Nivrat_3, NormanBulbieJr_3, Ochi17_3, OfUltron_3, OldBen_3, OlympiaSaint_3, Ovechkin_3, PHappiness_3, PMC_3, Pacc40_3, Phalconet_3, Phanphagia_3, Phasih_3, Phatniss_3, PhesterPhotato_3, PhlipPhlop_3, Pippy_3, Poenanya_3, Polka14_3, PopTart_3, Priscilla_3, QuickMath_3, Radiance_3, RedBird_3, RitaG_3, Rita_3, Rockne_3, Royals2015_3, Ruby_3, SG4_3, Saal_3, Sabb_3, Sandalphon_3, Sassafras_3, SassyB_3, Scottish_3, Seabastian_3, Shauna1_3, ShiLan_3, ShowerHandel_3, ShroomBoi_3, SiSi_3, Sparkdehlily_3, Spartacus_3, Spoonbill_3, StAnnes_3, Strokeseat_3, SuperGrey_3, SwagPigglett_3, TDanisky_3, Taj_3, Tweety_3, VRedHorse_3, Veteran_3, Vivum_3, Wachhund_3, Wee_3, Whatsapiecost_3, WillSterrel_3, XFactor_3, Yorick_3, Zerg_3, Zizzle_3,

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

- BodEinwohner17_3, Byougenkin_3, Cabrinians_3, CheesePuff_3, Corium_3, DaddyRickover_3, DoRead_3, Filuzino_3, Gandolph_3, Grimmer_4, IMpilo_3, IbOuu_3, Jant_3, Juniper1_3, Krakatau_4, Mantra_3, Mattes_3, Minnie_3, MulchSalad_3, NewHope4_3, Philus_3, Violac_3, Whouxphf_3,

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

- Abscondus_30, Aphelion_31, Apiary_29, Arti_25, Bachita_33, Bantam_13, BiPauneto_28, Bonum_28, Braxoaddie_29, BrutonGaster_19, Buggaboo_26, C3PO_13, Cardigan_31, ChewyVIII_39, ClubL_31, CoffeeBean_29, Commandaria_27, Cornie_3, Cruella_13, Cucurbita_33, Culver_31, Dalilpop_30, Daredevil_13, Darwin_16, DatBoi_14, Dusty_29, Emianna_25, Engineer_32, Ennea_31, Flapper_29, Float294_27, Foxboro_26, Fury_34, GAL1_5, GRU1_15, GTE5_16, GTE8_14, Geeche_30, GrootJr_27, GuyFagieri_29, HubbaBubba_23, IDyn_26, Jifall16_24, JonJames_31, Kabluna_28, KidneyBean_25, Kimchi1738_13, Kurt_25, Lollipop1437_30, Lozinak_31, MacGully_33, Marietta_27, Maselop_29, MerCougar_26, Miskis_33, Mollymur_14, NadineRae_25, NatB6_25, Norvs_32, NosilaM_28, NovumRegina_25, OneUp_25, Outis_26, P1201_28, Patio_28, PeteyPab_13, PhinkBoden_31, Phomeo_24, Pleakley_34, Polyuyuki_29, PotatoChip_13, RedRaider_32, SPB78_3, Scuba_34, Skysand_27, Smoothie_32, SpeedDemon_140, StarStruck_26, Stickynote_15, Sukkupi_27, SuperSulley_26, Toniann_31, Towmatter_13, Tracker_25, Turuncu_29, VWB_3, Wheezy_25, WhoseManz_27, WilliamBoone_31, Yndexa_27, Yvonnestic_29, Zion_13,

Summary by start number:

Start 16:

- Found in 8 of 272 (2.9%) of genes in pham
- Manual Annotations of this start: 7 of 239
- Called 87.5% of time when present
- Phage (with cluster) where this start called: BiPauneto_28 (CR4), HubbaBubba_23 (CR4), IDyn_26 (CR4), NadineRae_25 (CR4), Sukkupi_27 (CR4), WhoseManz_27 (CR4), Yndexa_27 (CR4),

Start 20:

- Found in 27 of 272 (9.9%) of genes in pham
- Manual Annotations of this start: 21 of 239
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_30 (CQ1), Aphelion_31 (CQ1), Bachita_33 (CQ1), Bantam_13 (DL), BrutonGaster_19 (CQ2), Cardigan_31 (DD), ClubL_31 (CQ1), Cucurbita_33 (CQ1), Culver_31 (CQ1), Daredevil_13 (DL), DatBoi_14 (DL), Dusty_29 (CQ1), Engineer_32 (CQ1), Geeche_30 (CQ1), JonJames_31 (DD), Lozinak_31 (CQ1), Miskis_33 (CQ1), Mollymur_14 (DL), Norvs_32 (CQ1), OneUp_25 (CQ2), PhinkBoden_31 (CQ1), Smoothie_32 (CQ1), SpeedDemon_140 (DL), Toniann_31 (CQ1), Towmatter_13 (DL), WilliamBoone_31 (CQ1), Yvonnetastic_29 (DD),

Start 21:

- Found in 1 of 272 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 239
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cornie_3 (F5),

Start 22:

- Found in 1 of 272 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GAL1_5 (singleton),

Start 23:

- Found in 6 of 272 (2.2%) of genes in pham
- Manual Annotations of this start: 6 of 239
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apiary_29 (CR), Braxoaddie_29 (CR), CoffeeBean_29 (CR), GuyFagieri_29 (CR), Maselop_29 (CR), Polyuyuki_29 (CR),

Start 25:

- Found in 1 of 272 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: P1201_28 (singleton),

Start 26:

- Found in 6 of 272 (2.2%) of genes in pham
- Manual Annotations of this start: 5 of 239
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Ennea_31 (CR3), Float294_27 (CR3), Lollipop1437_30 (CR3), Patio_28 (CR3), RedRaider_32 (CR3), Skysand_27 (CR3),

Start 27:

- Found in 54 of 272 (19.9%) of genes in pham
- Manual Annotations of this start: 30 of 239
- Called 64.8% of time when present
- Phage (with cluster) where this start called: Arti_25 (CR2), Bonum_28 (CR2), Buggaboo_26 (CR2), C3PO_13 (EN), ChewyVIII_39 (singleton), Commandaria_27 (CR2), Dalilpop_30 (CR1), Darwin_16 (EN), Emianna_25 (CR2), Flapper_29 (CR1), Foxboro_26 (CR2), Fury_34 (CR5), GRU1_15 (CR1), GTE5_16 (CR1), GTE8_14 (CR2), GrootJr_27 (CR2), Jifall16_24 (CR2), Kabluna_28 (CR2), KidneyBean_25 (CR2), Kurt_25 (CR2), MacGully_33 (CR), Marietta_27 (CR4), MerCougar_26 (CR2), NatB6_25 (CR2), NosilaM_28 (CR2), NovumRegina_25 (CR2), Outis_26 (CR2), Phomeo_24 (CR2), Pleakley_34 (CR5), Scuba_34 (CR5), StarStruck_26 (CR2), SuperSulley_26 (CR2), Tracker_25 (CR2), Turuncu_29 (CR1), Wheezy_25 (CR2),

Start 31:

- Found in 8 of 272 (2.9%) of genes in pham
- Manual Annotations of this start: 6 of 239
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Cruella_13 (EN), Kimchi1738_13 (EN), PeteyPab_13 (EN), PotatoChip_13 (EN), Stickyntote_15 (EN), Zion_13 (EN),

Start 35:

- Found in 2 of 272 (0.7%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: SPB78_3 (BA),

Start 39:

- Found in 180 of 272 (66.2%) of genes in pham
- Manual Annotations of this start: 151 of 239
- Called 87.2% of time when present
- Phage (with cluster) where this start called: Akhila_4 (F1), AlpineSix_3 (F1), ArcusAngelus_3 (F1), Ardmore_3 (F1), Aubs_3 (F1), Batiatus_3 (F1), Bipolar_3 (F1), Blexus_3 (F1), BlueCrab_3 (F1), BobaPhett_3 (F1), Brocalys_3 (F1), Bubbles123_3 (F1), Burwell21_3 (F1), ByChance_3 (F1), CaptainTrips_4 (F1), Che8_3 (F1), Chevrolet_3 (F1), Chuckly_3 (F1), Clifton_3 (F1), Crumble_3 (F1), DLane_3 (F1), DRBy19_3 (F1), Daenerys_3 (F1), Dante_3 (F1), DeadP_3 (F1), Deb65_3 (F1), DillTech15_3 (F1), Donkeykong_3 (F1), Doomphist_3 (F1), Dorothy_3 (F1), DotProduct_3 (F1), Doug_3 (F1), Eish_3 (F1), EleanorGeorge_3 (F1), EmiMonkey_3 (F1), Emma_3 (F1), Empress_3 (F1), Eradicator_3 (F1), Estave1_3 (F1), Fancypants_3 (F1), Fastidio_3 (F1), Firehouse51_3 (F1), Florinda_3 (F1), FreddyB_3 (F1), Fruitloop_3 (F1), GUmbie_3 (F1), Galactic_3 (F1), Geralt_3 (F1), GigiOuiOui_3 (F1), Girr_3 (F1), Gorge_3 (F1), Guppsters_3 (F1), Hades_3 (F1), Hamulus_3 (F1), Harley_3 (F1), Hlubikazi_3 (F1), Ihubesi_3 (F1), Inventum_3 (F1), IrishSherpFalk_3 (F1), James_3 (F1), Jarcob_3 (F1), Jinglebell_3 (F1), JoeyJr_3 (F1), Karhdo_3 (F1), Kenuha5_3 (F1), Kersh_3 (F1), KingJulian_3 (F1), KingMidas_3 (F1), Koella_3 (F1), KristaRAM_4 (F1), LastJedi_3 (F1), Latretium_3 (F1), Leperchaun_3 (F1), LilMoolah_3 (F1), Lizziana_3 (F1), Llama_3 (F1), Llij_3 (F1), LunaBlu_3 (F1), MadMen_3 (F1), Mahavrat_3 (F1), Mandlovu_3 (F1), Maravista_3 (F1), Martik_3 (F1), Melissauren88_3 (F1), MilanaBonita_4 (F1), MilleniumForce_4 (F1), MinionDave_4

(F1), MisterCuddles_3 (F1), Modragons_3 (F1), Moonbeam_3 (F1), Ms6_3 (F1), Mutaforma13_3 (F1), Nimbo_3 (F1), Nitzel_4 (F1), Nivrat_3 (F1), NormanBulbieJr_3 (F1), Ochi17_3 (F1), OfUltron_3 (F1), OldBen_3 (F1), OlympiaSaint_3 (F1), Ovechkin_3 (F1), PHappiness_3 (F1), PMC_3 (F1), Pacc40_3 (F1), Phalconet_3 (F1), Phanphagia_3 (F1), Phasih_3 (F1), Phatniss_3 (F1), PhesterPhotato_3 (F1), PhilipPhlop_3 (F1), Pippy_3 (F1), Poenanya_3 (F1), Polka14_3 (F1), PopTart_3 (F1), Priscilla_3 (F1), QuickMath_3 (F1), Radiance_3 (F1), RedBird_3 (F1), RitaG_3 (F1), Rita_3 (F1), Rockne_3 (F1), Royals2015_3 (F1), Ruby_3 (F1), SG4_3 (F1), Saal_3 (F1), Sabbb_3 (F1), Sandalphon_3 (F1), Sassafras_3 (F1), SassyB_3 (F1), Scottish_3 (F1), Seabastian_3 (F1), Shauna1_3 (F1), ShiLan_3 (F1), ShowerHandel_3 (F1), ShroomBoi_3 (F1), SiSi_3 (F1), Sparkdehlily_3 (F1), Spartacus_3 (F1), Spoonbill_3 (F1), StAnnes_3 (F1), Strokeseat_3 (F1), SuperGrey_3 (F1), SwagPiggett_3 (F1), TDanisky_3 (F1), Taj_3 (F1), Tweety_3 (F1), VRedHorse_3 (F1), Veteran_3 (F1), Vivum_3 (F1), Wachhund_3 (F1), Wee_3 (F1), Whatsapiecost_3 (F1), WillSterrel_3 (F1), XFactor_3 (F1), Yorick_3 (F1), Zerg_3 (F1), Zizzle_3 (F1),

Start 44:

- Found in 32 of 272 (11.8%) of genes in pham
- Manual Annotations of this start: 2 of 239
- Called 15.6% of time when present
- Phage (with cluster) where this start called: Byougenkin_3 (F1), Grimmer_4 (F1), NewHope4_3 (F1), Violac_3 (F1), Whouxphf_3 (F1),

Start 45:

- Found in 148 of 272 (54.4%) of genes in pham
- Manual Annotations of this start: 9 of 239
- Called 11.5% of time when present
- Phage (with cluster) where this start called: BodEinwohner17_3 (F1), Cabrinians_3 (F1), Cheesepuff_3 (F1), Corium_3 (F1), DaddyRickover_3 (F1), DoRead_3 (F1), Filuzino_3 (F1), Gandalph_3 (F1), IMpilo_3 (F1), IbOuu_3 (F1), Jant_3 (F1), Juniper1_3 (F1), Krakatau_4 (F1), Mattes_3 (F1), Minnie_3 (F1), MulchSalad_3 (F), Philus_3 (F1),

Start 49:

- Found in 196 of 272 (72.1%) of genes in pham
- Manual Annotations of this start: 1 of 239
- Called 0.5% of time when present
- Phage (with cluster) where this start called: Mantra_3 (F1),

Start 56:

- Found in 1 of 272 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: VWB_3 (BA),

Summary by clusters:

There are 16 clusters represented in this pham: CR2, F1, DL, CR1, BA, CR4, CR3, DD, CR5, singleton, EN, F, CQ2, CR, CQ1, F5,

Info for manual annotations of cluster CQ1:

- Start number 20 was manually annotated 12 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 20 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR:

- Start number 23 was manually annotated 6 times for cluster CR.
- Start number 27 was manually annotated 1 time for cluster CR.

Info for manual annotations of cluster CR1:

- Start number 27 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 27 was manually annotated 20 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 26 was manually annotated 5 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 16 was manually annotated 7 times for cluster CR4.
- Start number 27 was manually annotated 1 time for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 27 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster DD:

- Start number 20 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DL:

- Start number 20 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster EN:

- Start number 27 was manually annotated 2 times for cluster EN.
- Start number 31 was manually annotated 6 times for cluster EN.

Info for manual annotations of cluster F1:

- Start number 39 was manually annotated 151 times for cluster F1.
- Start number 44 was manually annotated 2 times for cluster F1.
- Start number 45 was manually annotated 9 times for cluster F1.
- Start number 49 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F5:

- Start number 21 was manually annotated 1 time for cluster F5.

Gene Information:

Gene: Abscondus_30 Start: 10194, Stop: 11810, Start Num: 20

Candidate Starts for Abscondus_30:

(Start: 20 @10194 has 21 MA's), (38, 10245), (40, 10254), (Start: 49 @10314 has 1 MA's), (57, 10371), (62, 10404), (63, 10407), (70, 10452), (74, 10479), (103, 10683), (111, 10713), (116, 10749), (125,

10794), (127, 10803), (131, 10818), (152, 10959), (155, 10977), (156, 10983), (160, 11025), (185, 11217), (194, 11304), (197, 11334), (202, 11379), (209, 11427), (211, 11442), (227, 11505), (230, 11529), (231, 11535), (233, 11544), (245, 11613), (251, 11664), (252, 11667), (255, 11679),

Gene: Akhila_4 Start: 2903, Stop: 4273, Start Num: 39

Candidate Starts for Akhila_4:

(Start: 39 @2903 has 151 MA's), (Start: 45 @2939 has 9 MA's), (Start: 49 @2963 has 1 MA's), (50, 2972), (51, 2978), (52, 2981), (57, 3020), (67, 3086), (68, 3089), (76, 3158), (83, 3197), (85, 3206), (97, 3254), (108, 3314), (118, 3362), (126, 3407), (138, 3452), (140, 3479), (146, 3524), (151, 3545), (152, 3548), (153, 3551), (156, 3572), (157, 3581), (163, 3632), (164, 3635), (167, 3644), (173, 3674), (176, 3695), (184, 3764), (186, 3773), (190, 3824), (191, 3827), (196, 3881), (197, 3887), (199, 3893), (213, 4004), (216, 4016), (224, 4049), (226, 4055), (230, 4079), (253, 4223), (258, 4241),

Gene: AlpineSix_3 Start: 2249, Stop: 3607, Start Num: 39

Candidate Starts for AlpineSix_3:

(Start: 39 @2249 has 151 MA's), (Start: 44 @2282 has 2 MA's), (Start: 49 @2309 has 1 MA's), (50, 2318), (51, 2324), (52, 2327), (57, 2366), (67, 2432), (68, 2435), (76, 2504), (77, 2510), (83, 2543), (85, 2552), (97, 2600), (108, 2660), (118, 2708), (126, 2753), (138, 2798), (140, 2825), (146, 2870), (151, 2891), (152, 2894), (153, 2897), (156, 2918), (157, 2927), (163, 2978), (164, 2981), (167, 2990), (173, 3020), (176, 3041), (184, 3110), (186, 3119), (190, 3170), (191, 3173), (196, 3227), (197, 3233), (199, 3239), (207, 3317), (213, 3350), (216, 3362), (224, 3395), (226, 3401), (230, 3425), (253, 3569),

Gene: Aphelion_31 Start: 10441, Stop: 12057, Start Num: 20

Candidate Starts for Aphelion_31:

(Start: 20 @10441 has 21 MA's), (38, 10492), (40, 10501), (Start: 49 @10561 has 1 MA's), (57, 10618), (63, 10654), (70, 10699), (74, 10726), (103, 10930), (111, 10960), (116, 10996), (125, 11041), (127, 11050), (131, 11065), (151, 11203), (152, 11206), (155, 11224), (156, 11230), (160, 11272), (185, 11464), (194, 11551), (197, 11581), (202, 11626), (209, 11674), (211, 11689), (227, 11752), (230, 11776), (231, 11782), (233, 11791), (245, 11860), (251, 11911), (252, 11914), (255, 11926),

Gene: Apiary_29 Start: 15865, Stop: 17454, Start Num: 23

Candidate Starts for Apiary_29:

(18, 15838), (Start: 23 @15865 has 6 MA's), (Start: 27 @15871 has 30 MA's), (29, 15880), (33, 15898), (34, 15901), (46, 15958), (58, 16051), (83, 16225), (84, 16231), (105, 16351), (121, 16426), (122, 16435), (130, 16483), (158, 16663), (161, 16684), (165, 16702), (168, 16714), (184, 16819), (188, 16846), (192, 16891), (193, 16903), (196, 16936), (206, 17014), (209, 17035), (213, 17059), (215, 17068), (221, 17092), (242, 17212), (243, 17221), (246, 17245),

Gene: ArcusAngelus_3 Start: 2241, Stop: 3611, Start Num: 39

Candidate Starts for ArcusAngelus_3:

(Start: 39 @2241 has 151 MA's), (Start: 45 @2277 has 9 MA's), (Start: 49 @2301 has 1 MA's), (50, 2310), (51, 2316), (52, 2319), (57, 2358), (66, 2421), (67, 2424), (68, 2427), (76, 2496), (77, 2502), (83, 2535), (85, 2544), (97, 2592), (108, 2652), (113, 2673), (118, 2700), (126, 2745), (138, 2790), (140, 2817), (146, 2862), (151, 2883), (152, 2886), (153, 2889), (156, 2910), (157, 2919), (163, 2970), (164, 2973), (167, 2982), (173, 3012), (176, 3033), (184, 3102), (186, 3111), (190, 3162), (191, 3165), (197, 3225), (199, 3231), (207, 3309), (213, 3342), (216, 3354), (224, 3387), (226, 3393), (230, 3417), (253, 3561), (258, 3579),

Gene: Ardmore_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Ardmore_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152,

2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Arti_25 Start: 13883, Stop: 15472, Start Num: 27

Candidate Starts for Arti_25:

(Start: 27 @13883 has 30 MA's), (28, 13889), (32, 13904), (46, 13967), (73, 14159), (83, 14237), (88, 14261), (93, 14291), (136, 14522), (152, 14639), (161, 14711), (164, 14726), (168, 14741), (182, 14822), (196, 14963), (209, 15062), (211, 15077), (213, 15086), (215, 15095), (223, 15131), (228, 15155), (242, 15239), (243, 15248), (249, 15293),

Gene: Aubs_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Aubs_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Bachita_33 Start: 10874, Stop: 12490, Start Num: 20

Candidate Starts for Bachita_33:

(Start: 20 @10874 has 21 MA's), (38, 10925), (40, 10934), (Start: 49 @10994 has 1 MA's), (57, 11051), (63, 11087), (70, 11132), (74, 11159), (103, 11363), (111, 11393), (116, 11429), (125, 11474), (127, 11483), (131, 11498), (151, 11636), (152, 11639), (155, 11657), (156, 11663), (160, 11705), (185, 11897), (194, 11984), (197, 12014), (202, 12059), (209, 12107), (211, 12122), (227, 12185), (230, 12209), (231, 12215), (233, 12224), (245, 12293), (251, 12344), (252, 12347), (255, 12359),

Gene: Bantam_13 Start: 7834, Stop: 9393, Start Num: 20

Candidate Starts for Bantam_13:

(Start: 20 @7834 has 21 MA's), (63, 8050), (70, 8095), (85, 8200), (103, 8299), (104, 8302), (111, 8329), (123, 8398), (145, 8533), (151, 8566), (152, 8569), (156, 8593), (179, 8764), (187, 8839), (193, 8902), (197, 8941), (203, 8989), (206, 9013), (217, 9076), (232, 9148), (234, 9163), (245, 9220), (250, 9259), (251, 9271), (252, 9274), (256, 9289), (259, 9298),

Gene: Batiatus_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Batiatus_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: BiPauneto_28 Start: 13790, Stop: 15412, Start Num: 16

Candidate Starts for BiPauneto_28:

(Start: 16 @13790 has 7 MA's), (Start: 27 @13835 has 30 MA's), (33, 13859), (37, 13868), (136, 14474), (143, 14519), (161, 14651), (168, 14681), (182, 14762), (192, 14858), (195, 14888), (196, 14903), (213, 15026), (215, 15035), (223, 15071), (228, 15095), (239, 15161), (242, 15179), (243, 15188), (249, 15233),

Gene: Bipolar_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Bipolar_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Blexus_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Blexus_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (258, 3593),

Gene: BlueCrab_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for BlueCrab_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: BobaPhett_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for BobaPhett_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (55, 2348), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: BodEinwohner17_3 Start: 2275, Stop: 3609, Start Num: 45

Candidate Starts for BodEinwohner17_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: Bonum_28 Start: 14299, Stop: 15876, Start Num: 27

Candidate Starts for Bonum_28:

(Start: 27 @14299 has 30 MA's), (28, 14305), (32, 14320), (33, 14323), (73, 14575), (83, 14653), (88, 14677), (124, 14878), (130, 14911), (136, 14938), (144, 14998), (165, 15133), (168, 15145), (182, 15226), (192, 15322), (196, 15367), (209, 15466), (213, 15490), (215, 15499), (228, 15559), (237, 15619), (240, 15631), (242, 15643), (243, 15652), (248, 15691),

Gene: Braxoaddie_29 Start: 15854, Stop: 17443, Start Num: 23

Candidate Starts for Braxoaddie_29:

(18, 15827), (Start: 23 @15854 has 6 MA's), (Start: 27 @15860 has 30 MA's), (29, 15869), (33, 15887), (34, 15890), (46, 15947), (58, 16040), (83, 16214), (84, 16220), (105, 16340), (121, 16415), (122, 16424), (130, 16472), (158, 16652), (161, 16673), (165, 16691), (168, 16703), (184, 16808), (188, 16835), (192, 16880), (193, 16892), (196, 16925), (206, 17003), (209, 17024), (213, 17048), (215, 17057), (221, 17081), (242, 17201), (243, 17210), (246, 17234),

Gene: Brocalys_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for Brocalys_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (175, 3029), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: BrutonGaster_19 Start: 7166, Stop: 8773, Start Num: 20

Candidate Starts for BrutonGaster_19:

(Start: 20 @7166 has 21 MA's), (38, 7217), (40, 7226), (51, 7301), (57, 7343), (63, 7379), (70, 7424), (74, 7451), (103, 7655), (111, 7685), (119, 7730), (127, 7775), (131, 7790), (145, 7895), (152, 7931), (155, 7949), (156, 7955), (160, 7997), (179, 8126), (197, 8306), (202, 8351), (209, 8399), (230, 8501), (231, 8507), (233, 8516), (245, 8585), (246, 8600), (251, 8636), (252, 8639), (255, 8651),

Gene: Bubbles123_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Bubbles123_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (113, 2687), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Buggaboo_26 Start: 14757, Stop: 16334, Start Num: 27

Candidate Starts for Buggaboo_26:

(Start: 27 @14757 has 30 MA's), (28, 14763), (32, 14778), (33, 14781), (73, 15033), (83, 15111), (88, 15135), (124, 15336), (130, 15369), (136, 15396), (144, 15456), (165, 15591), (168, 15603), (182, 15684), (192, 15780), (196, 15825), (209, 15924), (213, 15948), (215, 15957), (228, 16017), (237, 16077), (240, 16089), (242, 16101), (243, 16110), (248, 16149),

Gene: Burwell21_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Burwell21_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: ByChance_3 Start: 2241, Stop: 3611, Start Num: 39

Candidate Starts for ByChance_3:

(Start: 39 @2241 has 151 MA's), (Start: 45 @2277 has 9 MA's), (Start: 49 @2301 has 1 MA's), (50, 2310), (51, 2316), (52, 2319), (57, 2358), (67, 2424), (68, 2427), (76, 2496), (83, 2535), (85, 2544), (97, 2592), (108, 2652), (118, 2700), (126, 2745), (138, 2790), (140, 2817), (146, 2862), (151, 2883), (152,

2886), (153, 2889), (156, 2910), (157, 2919), (163, 2970), (164, 2973), (167, 2982), (173, 3012), (176, 3033), (184, 3102), (186, 3111), (190, 3162), (191, 3165), (197, 3225), (199, 3231), (207, 3309), (213, 3342), (216, 3354), (226, 3393), (230, 3417), (258, 3579),

Gene: Byougenkin_3 Start: 2273, Stop: 3598, Start Num: 44

Candidate Starts for Byougenkin_3:

(Start: 39 @2240 has 151 MA's), (Start: 44 @2273 has 2 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (77, 2501), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (113, 2672), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: C3PO_13 Start: 8765, Stop: 10342, Start Num: 27

Candidate Starts for C3PO_13:

(Start: 27 @8765 has 30 MA's), (Start: 31 @8780 has 6 MA's), (43, 8843), (48, 8864), (53, 8906), (61, 8966), (62, 8975), (64, 8984), (70, 9023), (83, 9119), (102, 9239), (105, 9245), (117, 9308), (119, 9314), (137, 9428), (139, 9449), (147, 9503), (151, 9527), (161, 9602), (164, 9617), (168, 9632), (184, 9737), (186, 9746), (196, 9854), (216, 9986), (229, 10049), (235, 10094), (244, 10139), (245, 10145), (247, 10172), (249, 10181), (251, 10196), (264, 10280),

Gene: Cabrinians_3 Start: 2276, Stop: 3598, Start Num: 45

Candidate Starts for Cabrinians_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (253, 3560),

Gene: CaptainTrips_4 Start: 2903, Stop: 4273, Start Num: 39

Candidate Starts for CaptainTrips_4:

(Start: 39 @2903 has 151 MA's), (Start: 45 @2939 has 9 MA's), (Start: 49 @2963 has 1 MA's), (50, 2972), (51, 2978), (52, 2981), (57, 3020), (67, 3086), (68, 3089), (76, 3158), (83, 3197), (85, 3206), (97, 3254), (108, 3314), (118, 3362), (126, 3407), (138, 3452), (140, 3479), (146, 3524), (151, 3545), (152, 3548), (153, 3551), (156, 3572), (157, 3581), (163, 3632), (164, 3635), (167, 3644), (173, 3674), (176, 3695), (184, 3764), (186, 3773), (190, 3824), (191, 3827), (196, 3881), (197, 3887), (198, 3890), (199, 3893), (205, 3950), (213, 4004), (216, 4016), (224, 4049), (226, 4055), (230, 4079), (253, 4223), (258, 4241),

Gene: Cardigan_31 Start: 12425, Stop: 13987, Start Num: 20

Candidate Starts for Cardigan_31:

(13, 12341), (Start: 20 @12425 has 21 MA's), (38, 12476), (40, 12485), (57, 12602), (62, 12635), (70, 12683), (71, 12686), (73, 12701), (74, 12710), (82, 12770), (86, 12791), (98, 12848), (103, 12914), (105, 12920), (111, 12944), (115, 12977), (126, 13031), (127, 13034), (145, 13154), (155, 13208), (156, 13214), (164, 13277), (177, 13349), (179, 13385), (187, 13463), (195, 13544), (197, 13565), (202, 13610), (205, 13628), (214, 13688), (217, 13700), (218, 13703), (250, 13883), (252, 13898), (256, 13913),

Gene: Che8_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Che8_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (66, 2419), (67, 2422), (68, 2425), (76, 2494), (77, 2500), (83,

2533), (85, 2542), (97, 2590), (108, 2650), (113, 2671), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: Cheese puff_3 Start: 2276, Stop: 3610, Start Num: 45

Candidate Starts for Cheese puff_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (113, 2672), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (196, 3218), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: Chevrolet_3 Start: 2241, Stop: 3611, Start Num: 39

Candidate Starts for Chevrolet_3:

(Start: 39 @2241 has 151 MA's), (Start: 45 @2277 has 9 MA's), (Start: 49 @2301 has 1 MA's), (50, 2310), (51, 2316), (52, 2319), (57, 2358), (66, 2421), (67, 2424), (68, 2427), (76, 2496), (77, 2502), (83, 2535), (85, 2544), (97, 2592), (108, 2652), (113, 2673), (118, 2700), (126, 2745), (138, 2790), (140, 2817), (146, 2862), (151, 2883), (152, 2886), (153, 2889), (156, 2910), (157, 2919), (163, 2970), (164, 2973), (167, 2982), (173, 3012), (176, 3033), (184, 3102), (186, 3111), (190, 3162), (191, 3165), (197, 3225), (199, 3231), (207, 3309), (213, 3342), (216, 3354), (224, 3387), (226, 3393), (230, 3417), (253, 3561), (258, 3579),

Gene: ChewyVIII_39 Start: 21579, Stop: 23150, Start Num: 27

Candidate Starts for ChewyVIII_39:

(Start: 27 @21579 has 30 MA's), (33, 21603), (Start: 44 @21657 has 2 MA's), (47, 21666), (58, 21756), (64, 21795), (68, 21822), (83, 21930), (88, 21954), (99, 22020), (105, 22056), (112, 22086), (121, 22131), (130, 22188), (134, 22209), (151, 22338), (161, 22413), (165, 22431), (168, 22443), (182, 22524), (185, 22554), (188, 22575), (193, 22632), (195, 22650), (196, 22665), (206, 22743), (208, 22758), (209, 22764), (213, 22788), (231, 22878), (234, 22899), (236, 22911), (239, 22923), (242, 22941), (243, 22950), (246, 22974), (263, 23061), (265, 23130),

Gene: Chuckly_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Chuckly_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Clifton_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for Clifton_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (113, 2672), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: ClubL_31 Start: 10375, Stop: 11991, Start Num: 20

Candidate Starts for ClubL_31:

(Start: 20 @10375 has 21 MA's), (38, 10426), (40, 10435), (Start: 49 @10495 has 1 MA's), (57, 10552), (63, 10588), (70, 10633), (74, 10660), (103, 10864), (111, 10894), (116, 10930), (125, 10975), (127, 10984), (131, 10999), (151, 11137), (152, 11140), (155, 11158), (156, 11164), (160, 11206), (185, 11398), (194, 11485), (197, 11515), (202, 11560), (209, 11608), (211, 11623), (227, 11686), (230, 11710), (231, 11716), (233, 11725), (245, 11794), (251, 11845), (252, 11848), (255, 11860),

Gene: CoffeeBean_29 Start: 15809, Stop: 17398, Start Num: 23

Candidate Starts for CoffeeBean_29:

(18, 15782), (Start: 23 @15809 has 6 MA's), (Start: 27 @15815 has 30 MA's), (29, 15824), (33, 15842), (34, 15845), (46, 15902), (58, 15995), (83, 16169), (84, 16175), (105, 16295), (121, 16370), (122, 16379), (130, 16427), (158, 16607), (161, 16628), (165, 16646), (168, 16658), (184, 16763), (188, 16790), (192, 16835), (193, 16847), (196, 16880), (206, 16958), (209, 16979), (213, 17003), (215, 17012), (221, 17036), (242, 17156), (243, 17165), (246, 17189),

Gene: Commandaria_27 Start: 15204, Stop: 16781, Start Num: 27

Candidate Starts for Commandaria_27:

(Start: 27 @15204 has 30 MA's), (28, 15210), (30, 15213), (32, 15225), (46, 15288), (71, 15465), (73, 15480), (83, 15558), (88, 15582), (100, 15672), (130, 15816), (136, 15843), (158, 15999), (161, 16020), (164, 16035), (168, 16050), (182, 16131), (184, 16155), (193, 16239), (196, 16272), (209, 16371), (213, 16395), (215, 16404), (220, 16425), (228, 16464), (242, 16548), (243, 16557),

Gene: Corium_3 Start: 2291, Stop: 3625, Start Num: 45

Candidate Starts for Corium_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (258, 3593),

Gene: Cornie_3 Start: 2288, Stop: 3727, Start Num: 21

Candidate Starts for Cornie_3:

(14, 2216), (15, 2234), (17, 2258), (Start: 21 @2288 has 1 MA's), (24, 2297), (48, 2408), (52, 2438), (54, 2453), (55, 2468), (60, 2498), (62, 2510), (63, 2513), (67, 2543), (69, 2549), (70, 2558), (71, 2561), (72, 2570), (81, 2639), (85, 2663), (92, 2696), (95, 2714), (96, 2717), (111, 2771), (115, 2804), (133, 2888), (135, 2903), (141, 2936), (170, 3086), (178, 3152), (180, 3170), (185, 3218), (193, 3296), (197, 3335), (202, 3380), (203, 3383), (210, 3440), (212, 3449), (215, 3461), (217, 3470), (233, 3545), (240, 3584), (245, 3614), (249, 3650),

Gene: Cruella_13 Start: 8780, Stop: 10342, Start Num: 31

Candidate Starts for Cruella_13:

(Start: 27 @8765 has 30 MA's), (Start: 31 @8780 has 6 MA's), (43, 8843), (48, 8864), (53, 8906), (61, 8966), (62, 8975), (64, 8984), (70, 9023), (83, 9119), (102, 9239), (105, 9245), (117, 9308), (119, 9314), (137, 9428), (139, 9449), (147, 9503), (151, 9527), (161, 9602), (164, 9617), (168, 9632), (184, 9737), (186, 9746), (196, 9854), (216, 9986), (229, 10049), (235, 10094), (244, 10139), (245, 10145), (247, 10172), (249, 10181), (251, 10196), (264, 10280),

Gene: Crumble_3 Start: 2241, Stop: 3611, Start Num: 39

Candidate Starts for Crumble_3:

(Start: 39 @2241 has 151 MA's), (Start: 45 @2277 has 9 MA's), (Start: 49 @2301 has 1 MA's), (50, 2310), (51, 2316), (52, 2319), (57, 2358), (67, 2424), (68, 2427), (76, 2496), (83, 2535), (85, 2544), (97, 2592), (108, 2652), (118, 2700), (126, 2745), (138, 2790), (140, 2817), (146, 2862), (151, 2883), (152,

2886), (153, 2889), (156, 2910), (157, 2919), (163, 2970), (164, 2973), (167, 2982), (173, 3012), (176, 3033), (184, 3102), (186, 3111), (190, 3162), (191, 3165), (197, 3225), (199, 3231), (207, 3309), (213, 3342), (216, 3354), (226, 3393), (230, 3417), (258, 3579),

Gene: Cucurbita_33 Start: 11733, Stop: 13349, Start Num: 20

Candidate Starts for Cucurbita_33:

(Start: 20 @11733 has 21 MA's), (38, 11784), (40, 11793), (Start: 49 @11853 has 1 MA's), (57, 11910), (63, 11946), (70, 11991), (74, 12018), (103, 12222), (111, 12252), (116, 12288), (125, 12333), (127, 12342), (131, 12357), (151, 12495), (152, 12498), (155, 12516), (156, 12522), (160, 12564), (185, 12756), (194, 12843), (197, 12873), (202, 12918), (209, 12966), (211, 12981), (227, 13044), (230, 13068), (231, 13074), (233, 13083), (245, 13152), (251, 13203), (252, 13206), (255, 13218),

Gene: Culver_31 Start: 10194, Stop: 11810, Start Num: 20

Candidate Starts for Culver_31:

(Start: 20 @10194 has 21 MA's), (38, 10245), (40, 10254), (Start: 49 @10314 has 1 MA's), (57, 10371), (62, 10404), (63, 10407), (70, 10452), (74, 10479), (103, 10683), (111, 10713), (116, 10749), (125, 10794), (127, 10803), (131, 10818), (152, 10959), (155, 10977), (156, 10983), (160, 11025), (185, 11217), (194, 11304), (197, 11334), (202, 11379), (209, 11427), (211, 11442), (227, 11505), (230, 11529), (231, 11535), (233, 11544), (245, 11613), (251, 11664), (252, 11667), (255, 11679),

Gene: DLane_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for DLane_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: DRBy19_3 Start: 2256, Stop: 3626, Start Num: 39

Candidate Starts for DRBy19_3:

(Start: 39 @2256 has 151 MA's), (Start: 45 @2292 has 9 MA's), (Start: 49 @2316 has 1 MA's), (50, 2325), (51, 2331), (52, 2334), (57, 2373), (67, 2439), (68, 2442), (76, 2511), (83, 2550), (85, 2559), (97, 2607), (108, 2667), (118, 2715), (126, 2760), (138, 2805), (140, 2832), (146, 2877), (151, 2898), (152, 2901), (153, 2904), (156, 2925), (157, 2934), (163, 2985), (164, 2988), (167, 2997), (173, 3027), (176, 3048), (184, 3117), (186, 3126), (190, 3177), (191, 3180), (196, 3234), (197, 3240), (198, 3243), (199, 3246), (205, 3303), (213, 3357), (216, 3369), (224, 3402), (226, 3408), (230, 3432), (253, 3576), (258, 3594),

Gene: DaddyRickover_3 Start: 2275, Stop: 3609, Start Num: 45

Candidate Starts for DaddyRickover_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: Daenerys_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Daenerys_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97,

2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: Dalilpop_30 Start: 16300, Stop: 17877, Start Num: 27

Candidate Starts for Dalilpop_30:

(Start: 27 @16300 has 30 MA's), (73, 16576), (130, 16912), (144, 16999), (161, 17116), (168, 17146), (182, 17227), (196, 17368), (209, 17467), (213, 17491), (215, 17500), (223, 17536), (228, 17560), (242, 17644), (243, 17653), (248, 17692), (249, 17698),

Gene: Dante_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Dante_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Daredevil_13 Start: 6745, Stop: 8310, Start Num: 20

Candidate Starts for Daredevil_13:

(Start: 20 @6745 has 21 MA's), (38, 6796), (63, 6961), (70, 7006), (79, 7081), (80, 7084), (85, 7111), (99, 7192), (103, 7210), (104, 7213), (121, 7291), (125, 7321), (145, 7444), (156, 7504), (164, 7567), (179, 7675), (193, 7813), (197, 7852), (203, 7900), (206, 7924), (217, 7987), (238, 8092), (245, 8131), (251, 8182), (252, 8185), (255, 8197),

Gene: Darwin_16 Start: 9510, Stop: 11087, Start Num: 27

Candidate Starts for Darwin_16:

(Start: 27 @9510 has 30 MA's), (Start: 31 @9525 has 6 MA's), (43, 9588), (48, 9609), (53, 9651), (61, 9711), (62, 9720), (64, 9729), (83, 9864), (102, 9984), (105, 9990), (117, 10053), (119, 10059), (137, 10173), (139, 10194), (147, 10248), (151, 10272), (161, 10347), (164, 10362), (168, 10377), (184, 10482), (186, 10491), (196, 10599), (200, 10620), (206, 10674), (216, 10731), (229, 10794), (235, 10839), (244, 10884), (245, 10890), (247, 10917), (249, 10926), (251, 10941), (264, 11025),

Gene: DatBoi_14 Start: 8659, Stop: 10218, Start Num: 20

Candidate Starts for DatBoi_14:

(Start: 20 @8659 has 21 MA's), (63, 8875), (69, 8911), (70, 8920), (78, 8992), (85, 9025), (103, 9124), (104, 9127), (119, 9199), (132, 9265), (145, 9358), (151, 9391), (152, 9394), (156, 9418), (164, 9481), (172, 9520), (174, 9532), (179, 9589), (187, 9664), (193, 9727), (197, 9766), (203, 9814), (206, 9838), (217, 9901), (232, 9973), (234, 9988), (245, 10045), (250, 10084), (251, 10096), (252, 10099), (256, 10114), (259, 10123),

Gene: DeadP_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for DeadP_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Deb65_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Deb65_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: DillTech15_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for DillTech15_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: DoRead_3 Start: 2291, Stop: 3613, Start Num: 45

Candidate Starts for DoRead_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (113, 2687), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575),

Gene: Donkeykong_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Donkeykong_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Doomphist_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Doomphist_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: Dorothy_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Dorothy_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: DotProduct_3 Start: 2256, Stop: 3626, Start Num: 39

Candidate Starts for DotProduct_3:

(Start: 39 @2256 has 151 MA's), (Start: 45 @2292 has 9 MA's), (Start: 49 @2316 has 1 MA's), (50, 2325), (51, 2331), (52, 2334), (57, 2373), (67, 2439), (68, 2442), (76, 2511), (83, 2550), (85, 2559), (97, 2607), (108, 2667), (118, 2715), (126, 2760), (138, 2805), (140, 2832), (146, 2877), (151, 2898), (152, 2901), (153, 2904), (156, 2925), (157, 2934), (163, 2985), (164, 2988), (167, 2997), (173, 3027), (176, 3048), (184, 3117), (186, 3126), (190, 3177), (191, 3180), (196, 3234), (197, 3240), (198, 3243), (199, 3246), (205, 3303), (213, 3357), (216, 3369), (224, 3402), (226, 3408), (230, 3432), (253, 3576), (258, 3594),

Gene: Doug_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for Doug_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (55, 2348), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (196, 3218), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (253, 3560), (258, 3578),

Gene: Dusty_29 Start: 10194, Stop: 11810, Start Num: 20

Candidate Starts for Dusty_29:

(Start: 20 @10194 has 21 MA's), (38, 10245), (40, 10254), (Start: 49 @10314 has 1 MA's), (57, 10371), (62, 10404), (63, 10407), (70, 10452), (74, 10479), (103, 10683), (111, 10713), (116, 10749), (125, 10794), (127, 10803), (131, 10818), (152, 10959), (155, 10977), (156, 10983), (160, 11025), (185, 11217), (194, 11304), (197, 11334), (202, 11379), (209, 11427), (211, 11442), (227, 11505), (230, 11529), (231, 11535), (233, 11544), (245, 11613), (251, 11664), (252, 11667), (255, 11679),

Gene: Eish_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for Eish_3:

(Start: 39 @2240 has 151 MA's), (Start: 44 @2273 has 2 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (66, 2420), (67, 2423), (68, 2426), (76, 2495), (77, 2501), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: EleanorGeorge_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for EleanorGeorge_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: EmiMonkey_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for EmiMonkey_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (207,

3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (258, 3593),

Gene: Emianna_25 Start: 14922, Stop: 16511, Start Num: 27

Candidate Starts for Emianna_25:

(Start: 27 @14922 has 30 MA's), (28, 14928), (32, 14943), (36, 14952), (46, 15006), (73, 15198), (83, 15276), (88, 15300), (93, 15330), (130, 15534), (136, 15561), (139, 15588), (152, 15678), (161, 15750), (164, 15765), (168, 15780), (182, 15861), (196, 16002), (209, 16101), (211, 16116), (213, 16125), (215, 16134), (223, 16170), (228, 16194), (242, 16278), (243, 16287), (249, 16332),

Gene: Emma_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Emma_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Empress_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Empress_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (175, 3028), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: Engineer_32 Start: 10389, Stop: 12005, Start Num: 20

Candidate Starts for Engineer_32:

(Start: 20 @10389 has 21 MA's), (38, 10440), (40, 10449), (Start: 49 @10509 has 1 MA's), (57, 10566), (63, 10602), (70, 10647), (74, 10674), (103, 10878), (111, 10908), (116, 10944), (125, 10989), (127, 10998), (131, 11013), (151, 11151), (152, 11154), (155, 11172), (156, 11178), (160, 11220), (185, 11412), (194, 11499), (197, 11529), (202, 11574), (209, 11622), (211, 11637), (227, 11700), (230, 11724), (231, 11730), (233, 11739), (245, 11808), (251, 11859), (252, 11862), (255, 11874),

Gene: Ennea_31 Start: 15546, Stop: 17129, Start Num: 26

Candidate Starts for Ennea_31:

(Start: 26 @15546 has 5 MA's), (29, 15555), (46, 15633), (83, 15900), (100, 16014), (149, 16284), (161, 16368), (164, 16383), (168, 16398), (182, 16479), (196, 16620), (209, 16719), (213, 16743), (215, 16752), (228, 16812), (239, 16878), (242, 16896), (243, 16905), (249, 16950),

Gene: Eradicator_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for Eradicator_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: Estave1_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for Estave1_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (66, 2420), (67, 2423), (68, 2426), (76, 2495), (77, 2501), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (113, 2672), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: Fancypants_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for Fancypants_3:

(Start: 39 @2240 has 151 MA's), (Start: 44 @2273 has 2 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (113, 2672), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (258, 3578),

Gene: Fastidio_3 Start: 2255, Stop: 3613, Start Num: 39

Candidate Starts for Fastidio_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (222, 3386), (224, 3401), (226, 3407), (230, 3431), (253, 3575),

Gene: Filuzino_3 Start: 2292, Stop: 3626, Start Num: 45

Candidate Starts for Filuzino_3:

(Start: 39 @2256 has 151 MA's), (Start: 45 @2292 has 9 MA's), (Start: 49 @2316 has 1 MA's), (50, 2325), (51, 2331), (52, 2334), (57, 2373), (67, 2439), (68, 2442), (76, 2511), (83, 2550), (85, 2559), (97, 2607), (108, 2667), (118, 2715), (126, 2760), (138, 2805), (140, 2832), (146, 2877), (151, 2898), (152, 2901), (153, 2904), (156, 2925), (157, 2934), (163, 2985), (164, 2988), (167, 2997), (173, 3027), (176, 3048), (184, 3117), (186, 3126), (190, 3177), (191, 3180), (196, 3234), (197, 3240), (198, 3243), (199, 3246), (205, 3303), (213, 3357), (216, 3369), (224, 3402), (226, 3408), (230, 3432), (253, 3576), (258, 3594),

Gene: Firehouse51_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Firehouse51_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Flapper_29 Start: 15375, Stop: 16952, Start Num: 27

Candidate Starts for Flapper_29:

(Start: 27 @15375 has 30 MA's), (73, 15651), (130, 15987), (144, 16074), (161, 16191), (168, 16221), (182, 16302), (196, 16443), (209, 16542), (213, 16566), (215, 16575), (223, 16611), (228, 16635), (242, 16719), (243, 16728), (249, 16773),

Gene: Float294_27 Start: 14988, Stop: 16571, Start Num: 26

Candidate Starts for Float294_27:

(Start: 26 @14988 has 5 MA's), (29, 14997), (46, 15075), (83, 15342), (100, 15456), (149, 15726), (161, 15810), (164, 15825), (168, 15840), (182, 15921), (193, 16029), (196, 16062), (209, 16161), (213, 16185), (215, 16194), (228, 16254), (239, 16320), (242, 16338), (243, 16347), (249, 16392), (251, 16407),

Gene: Florinda_3 Start: 2258, Stop: 3628, Start Num: 39

Candidate Starts for Florinda_3:

(Start: 39 @2258 has 151 MA's), (Start: 49 @2318 has 1 MA's), (50, 2327), (51, 2333), (52, 2336), (57, 2375), (67, 2441), (68, 2444), (76, 2513), (83, 2552), (85, 2561), (97, 2609), (108, 2669), (118, 2717), (126, 2762), (138, 2807), (140, 2834), (146, 2879), (151, 2900), (152, 2903), (153, 2906), (156, 2927), (157, 2936), (163, 2987), (164, 2990), (167, 2999), (173, 3029), (176, 3050), (184, 3119), (186, 3128), (190, 3179), (191, 3182), (196, 3236), (197, 3242), (199, 3248), (213, 3359), (226, 3410), (230, 3434), (258, 3596),

Gene: Foxboro_26 Start: 15428, Stop: 17017, Start Num: 27

Candidate Starts for Foxboro_26:

(Start: 27 @15428 has 30 MA's), (28, 15434), (32, 15449), (36, 15458), (46, 15512), (73, 15704), (83, 15782), (88, 15806), (93, 15836), (130, 16040), (136, 16067), (139, 16094), (152, 16184), (161, 16256), (164, 16271), (168, 16286), (182, 16367), (196, 16508), (209, 16607), (211, 16622), (213, 16631), (215, 16640), (223, 16676), (228, 16700), (242, 16784), (243, 16793), (249, 16838),

Gene: FreddyB_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for FreddyB_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: Fruitloop_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Fruitloop_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Fury_34 Start: 14654, Stop: 16231, Start Num: 27

Candidate Starts for Fury_34:

(Start: 27 @14654 has 30 MA's), (28, 14660), (29, 14663), (37, 14690), (46, 14741), (83, 15008), (119, 15203), (122, 15218), (130, 15266), (161, 15470), (164, 15485), (168, 15500), (182, 15581), (192, 15677), (193, 15689), (196, 15722), (209, 15821), (213, 15845), (215, 15854), (223, 15890), (227, 15905), (228, 15914), (242, 15998), (248, 16046), (249, 16052),

Gene: GAL1_5 Start: 3245, Stop: 4624, Start Num: 22

Candidate Starts for GAL1_5:

(19, 3239), (22, 3245), (41, 3314), (50, 3368), (54, 3392), (57, 3416), (63, 3452), (67, 3482), (69, 3488), (70, 3497), (71, 3500), (72, 3509), (73, 3515), (81, 3578), (90, 3626), (92, 3635), (95, 3653), (111, 3710), (114, 3737), (115, 3743), (120, 3758), (152, 3914), (164, 4001), (165, 4004), (173, 4040), (181, 4091), (184, 4127), (193, 4208), (202, 4292), (203, 4295), (209, 4340), (210, 4352), (212, 4361), (225, 4409), (231, 4445), (239, 4487), (245, 4523), (250, 4562), (256, 4592),

Gene: GRU1_15 Start: 7260, Stop: 8837, Start Num: 27

Candidate Starts for GRU1_15:

(Start: 27 @7260 has 30 MA's), (73, 7536), (95, 7674), (130, 7872), (144, 7959), (161, 8076), (168, 8106), (182, 8187), (195, 8313), (196, 8328), (209, 8427), (213, 8451), (215, 8460), (223, 8496), (228, 8520), (242, 8604), (243, 8613), (249, 8658),

Gene: GTE5_16 Start: 8269, Stop: 9846, Start Num: 27

Candidate Starts for GTE5_16:

(Start: 27 @8269 has 30 MA's), (73, 8545), (95, 8683), (130, 8881), (144, 8968), (161, 9085), (168, 9115), (182, 9196), (195, 9322), (196, 9337), (209, 9436), (213, 9460), (215, 9469), (223, 9505), (228, 9529), (242, 9613), (243, 9622), (249, 9667),

Gene: GTE8_14 Start: 8211, Stop: 9800, Start Num: 27

Candidate Starts for GTE8_14:

(Start: 27 @8211 has 30 MA's), (28, 8217), (32, 8232), (46, 8295), (73, 8487), (83, 8565), (88, 8589), (93, 8619), (130, 8823), (136, 8850), (139, 8877), (151, 8964), (152, 8967), (161, 9039), (164, 9054), (168, 9069), (182, 9150), (186, 9183), (196, 9291), (209, 9390), (213, 9414), (215, 9423), (223, 9459), (228, 9483), (242, 9567), (243, 9576), (249, 9621),

Gene: GUmbie_3 Start: 2256, Stop: 3626, Start Num: 39

Candidate Starts for GUmbie_3:

(Start: 39 @2256 has 151 MA's), (Start: 44 @2289 has 2 MA's), (Start: 49 @2316 has 1 MA's), (50, 2325), (51, 2331), (52, 2334), (57, 2373), (66, 2436), (67, 2439), (68, 2442), (76, 2511), (77, 2517), (83, 2550), (85, 2559), (97, 2607), (108, 2667), (118, 2715), (126, 2760), (138, 2805), (140, 2832), (146, 2877), (151, 2898), (152, 2901), (153, 2904), (156, 2925), (157, 2934), (163, 2985), (164, 2988), (167, 2997), (173, 3027), (176, 3048), (184, 3117), (186, 3126), (190, 3177), (191, 3180), (197, 3240), (199, 3246), (207, 3324), (213, 3357), (216, 3369), (226, 3408), (230, 3432), (258, 3594),

Gene: Galactic_3 Start: 2239, Stop: 3597, Start Num: 39

Candidate Starts for Galactic_3:

(Start: 39 @2239 has 151 MA's), (Start: 44 @2272 has 2 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (66, 2419), (67, 2422), (68, 2425), (76, 2494), (77, 2500), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (113, 2671), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (224, 3385), (226, 3391), (230, 3415), (253, 3559),

Gene: Gandalph_3 Start: 2291, Stop: 3625, Start Num: 45

Candidate Starts for Gandalph_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (194, 3209), (196, 3233), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Geeche_30 Start: 10263, Stop: 11879, Start Num: 20

Candidate Starts for Geeche_30:

(Start: 20 @10263 has 21 MA's), (38, 10314), (40, 10323), (Start: 49 @10383 has 1 MA's), (57, 10440), (63, 10476), (70, 10521), (74, 10548), (103, 10752), (111, 10782), (116, 10818), (125, 10863), (127, 10872), (131, 10887), (151, 11025), (152, 11028), (155, 11046), (156, 11052), (160, 11094), (185,

11286), (194, 11373), (197, 11403), (202, 11448), (209, 11496), (211, 11511), (227, 11574), (230, 11598), (231, 11604), (233, 11613), (245, 11682), (251, 11733), (252, 11736), (255, 11748),

Gene: Geralt_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Geralt_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: GigiOuiOui_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for GigiOuiOui_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (194, 3209), (196, 3233), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (258, 3593),

Gene: Girr_3 Start: 2241, Stop: 3611, Start Num: 39

Candidate Starts for Girr_3:

(Start: 39 @2241 has 151 MA's), (Start: 45 @2277 has 9 MA's), (Start: 49 @2301 has 1 MA's), (50, 2310), (51, 2316), (52, 2319), (57, 2358), (67, 2424), (68, 2427), (76, 2496), (83, 2535), (85, 2544), (97, 2592), (108, 2652), (118, 2700), (126, 2745), (138, 2790), (140, 2817), (146, 2862), (151, 2883), (152, 2886), (153, 2889), (156, 2910), (157, 2919), (163, 2970), (164, 2973), (167, 2982), (173, 3012), (176, 3033), (184, 3102), (186, 3111), (190, 3162), (191, 3165), (197, 3225), (199, 3231), (207, 3309), (213, 3342), (216, 3354), (226, 3393), (230, 3417), (258, 3579),

Gene: Gorge_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for Gorge_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (175, 3029), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: Grimmer_4 Start: 2936, Stop: 4261, Start Num: 44

Candidate Starts for Grimmer_4:

(Start: 39 @2903 has 151 MA's), (Start: 44 @2936 has 2 MA's), (Start: 49 @2963 has 1 MA's), (50, 2972), (51, 2978), (52, 2981), (57, 3020), (66, 3083), (67, 3086), (68, 3089), (76, 3158), (77, 3164), (83, 3197), (85, 3206), (97, 3254), (108, 3314), (118, 3362), (126, 3407), (138, 3452), (140, 3479), (146, 3524), (151, 3545), (152, 3548), (153, 3551), (156, 3572), (157, 3581), (163, 3632), (164, 3635), (167, 3644), (173, 3674), (176, 3695), (184, 3764), (186, 3773), (190, 3824), (191, 3827), (197, 3887), (199, 3893), (213, 4004), (216, 4016), (224, 4049), (226, 4055), (230, 4079), (253, 4223),

Gene: GrootJr_27 Start: 14278, Stop: 15867, Start Num: 27

Candidate Starts for GrootJr_27:

(Start: 27 @14278 has 30 MA's), (28, 14284), (32, 14299), (46, 14362), (73, 14554), (83, 14632), (88, 14656), (93, 14686), (136, 14917), (152, 15034), (161, 15106), (164, 15121), (168, 15136), (182, 15217), (196, 15358), (209, 15457), (211, 15472), (213, 15481), (215, 15490), (223, 15526), (228,

15550), (242, 15634), (243, 15643), (249, 15688),

Gene: Guppsters_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Guppsters_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: GuyFagieri_29 Start: 15637, Stop: 17226, Start Num: 23

Candidate Starts for GuyFagieri_29:

(18, 15610), (Start: 23 @15637 has 6 MA's), (Start: 27 @15643 has 30 MA's), (29, 15652), (33, 15670), (34, 15673), (46, 15730), (58, 15823), (83, 15997), (84, 16003), (90, 16030), (105, 16123), (121, 16198), (122, 16207), (128, 16237), (139, 16306), (158, 16435), (161, 16456), (165, 16474), (168, 16486), (184, 16591), (188, 16618), (192, 16663), (193, 16675), (196, 16708), (206, 16786), (209, 16807), (213, 16831), (215, 16840), (221, 16864), (237, 16960), (242, 16984), (243, 16993), (246, 17017),

Gene: Hades_3 Start: 2255, Stop: 3613, Start Num: 39

Candidate Starts for Hades_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575),

Gene: Hamulus_3 Start: 2256, Stop: 3626, Start Num: 39

Candidate Starts for Hamulus_3:

(Start: 39 @2256 has 151 MA's), (Start: 45 @2292 has 9 MA's), (Start: 49 @2316 has 1 MA's), (50, 2325), (51, 2331), (52, 2334), (57, 2373), (67, 2439), (68, 2442), (76, 2511), (83, 2550), (85, 2559), (97, 2607), (108, 2667), (118, 2715), (126, 2760), (138, 2805), (140, 2832), (146, 2877), (151, 2898), (152, 2901), (153, 2904), (156, 2925), (157, 2934), (163, 2985), (164, 2988), (167, 2997), (173, 3027), (176, 3048), (184, 3117), (186, 3126), (190, 3177), (191, 3180), (196, 3234), (197, 3240), (198, 3243), (199, 3246), (205, 3303), (213, 3357), (216, 3369), (224, 3402), (226, 3408), (230, 3432), (253, 3576), (258, 3594),

Gene: Harley_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for Harley_3:

(Start: 39 @2240 has 151 MA's), (Start: 44 @2273 has 2 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (66, 2420), (67, 2423), (68, 2426), (76, 2495), (77, 2501), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (113, 2672), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: Hlubikazi_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for Hlubikazi_3:

(Start: 39 @2240 has 151 MA's), (Start: 44 @2273 has 2 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (66, 2420), (67, 2423), (68, 2426), (76, 2495), (77, 2501), (83,

2534), (85, 2543), (97, 2591), (108, 2651), (113, 2672), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: HubbaBubba_23 Start: 10808, Stop: 12430, Start Num: 16

Candidate Starts for HubbaBubba_23:

(Start: 16 @10808 has 7 MA's), (Start: 27 @10853 has 30 MA's), (37, 10886), (94, 11264), (111, 11357), (136, 11492), (143, 11537), (161, 11669), (168, 11699), (182, 11780), (192, 11876), (195, 11906), (196, 11921), (213, 12044), (215, 12053), (223, 12089), (228, 12113), (242, 12197), (243, 12206), (249, 12251),

Gene: IDyn_26 Start: 12204, Stop: 13826, Start Num: 16

Candidate Starts for IDyn_26:

(Start: 16 @12204 has 7 MA's), (Start: 27 @12249 has 30 MA's), (37, 12282), (94, 12660), (136, 12888), (143, 12933), (161, 13065), (168, 13095), (192, 13272), (195, 13302), (196, 13317), (213, 13440), (215, 13449), (223, 13485), (228, 13509), (242, 13593), (243, 13602), (249, 13647),

Gene: IMpilo_3 Start: 2292, Stop: 3614, Start Num: 45

Candidate Starts for IMpilo_3:

(Start: 39 @2256 has 151 MA's), (Start: 45 @2292 has 9 MA's), (Start: 49 @2316 has 1 MA's), (50, 2325), (51, 2331), (52, 2334), (57, 2373), (67, 2439), (68, 2442), (76, 2511), (83, 2550), (85, 2559), (97, 2607), (108, 2667), (118, 2715), (126, 2760), (138, 2805), (140, 2832), (146, 2877), (151, 2898), (152, 2901), (153, 2904), (156, 2925), (157, 2934), (163, 2985), (164, 2988), (167, 2997), (173, 3027), (176, 3048), (184, 3117), (186, 3126), (190, 3177), (191, 3180), (196, 3234), (197, 3240), (199, 3246), (205, 3303), (213, 3357), (216, 3369), (226, 3408), (230, 3432), (253, 3576),

Gene: lbOuu_3 Start: 2275, Stop: 3609, Start Num: 45

Candidate Starts for lbOuu_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (253, 3559), (258, 3577),

Gene: lbhubesi_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for lbhubesi_3:

(Start: 39 @2240 has 151 MA's), (Start: 44 @2273 has 2 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (66, 2420), (67, 2423), (68, 2426), (76, 2495), (77, 2501), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (113, 2672), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: Inventum_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Inventum_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213,

3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: IrishSherpFalk_3 Start: 2243, Stop: 3613, Start Num: 39

Candidate Starts for IrishSherpFalk_3:

(Start: 39 @2243 has 151 MA's), (Start: 45 @2279 has 9 MA's), (Start: 49 @2303 has 1 MA's), (50, 2312), (51, 2318), (52, 2321), (57, 2360), (67, 2426), (68, 2429), (76, 2498), (83, 2537), (85, 2546), (97, 2594), (108, 2654), (118, 2702), (126, 2747), (138, 2792), (140, 2819), (146, 2864), (151, 2885), (152, 2888), (153, 2891), (156, 2912), (157, 2921), (163, 2972), (164, 2975), (167, 2984), (173, 3014), (176, 3035), (184, 3104), (186, 3113), (190, 3164), (191, 3167), (197, 3227), (199, 3233), (213, 3344), (216, 3356), (224, 3389), (226, 3395), (230, 3419), (258, 3581),

Gene: James_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for James_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (55, 2348), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: Jant_3 Start: 2291, Stop: 3625, Start Num: 45

Candidate Starts for Jant_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Jacob_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for Jacob_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: Jifall16_24 Start: 14552, Stop: 16141, Start Num: 27

Candidate Starts for Jifall16_24:

(Start: 27 @14552 has 30 MA's), (28, 14558), (32, 14573), (36, 14582), (46, 14636), (73, 14828), (83, 14906), (88, 14930), (93, 14960), (130, 15164), (136, 15191), (139, 15218), (152, 15308), (161, 15380), (164, 15395), (168, 15410), (182, 15491), (196, 15632), (209, 15731), (211, 15746), (213, 15755), (215, 15764), (223, 15800), (228, 15824), (242, 15908), (243, 15917), (249, 15962),

Gene: Jinglebell_3 Start: 2249, Stop: 3607, Start Num: 39

Candidate Starts for Jinglebell_3:

(Start: 39 @2249 has 151 MA's), (Start: 44 @2282 has 2 MA's), (Start: 49 @2309 has 1 MA's), (50, 2318), (51, 2324), (52, 2327), (57, 2366), (67, 2432), (68, 2435), (76, 2504), (77, 2510), (83, 2543), (85, 2552), (97, 2600), (108, 2660), (118, 2708), (126, 2753), (138, 2798), (140, 2825), (146, 2870), (151, 2891), (152, 2894), (153, 2897), (156, 2918), (157, 2927), (163, 2978), (164, 2981), (167, 2990), (173, 3020), (176, 3041), (184, 3110), (186, 3119), (190, 3170), (191, 3173), (196, 3227), (197, 3233), (199, 3239), (207, 3317), (213, 3350), (216, 3362), (224, 3395), (226, 3401), (230, 3425), (253, 3569),

Gene: JoeyJr_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for JoeyJr_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: JonJames_31 Start: 14631, Stop: 16202, Start Num: 20

Candidate Starts for JonJames_31:

(13, 14547), (Start: 20 @14631 has 21 MA's), (38, 14682), (40, 14691), (57, 14808), (62, 14841), (70, 14889), (71, 14892), (73, 14907), (74, 14916), (82, 14976), (86, 14997), (98, 15054), (103, 15120), (105, 15126), (111, 15150), (115, 15183), (126, 15237), (127, 15240), (145, 15360), (155, 15414), (156, 15420), (164, 15483), (177, 15555), (179, 15591), (195, 15750), (197, 15771), (202, 15816), (205, 15834), (214, 15894), (217, 15906), (218, 15909), (250, 16089), (252, 16104), (256, 16119),

Gene: Juniper1_3 Start: 2275, Stop: 3597, Start Num: 45

Candidate Starts for Juniper1_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (66, 2419), (67, 2422), (68, 2425), (76, 2494), (77, 2500), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (213, 3340), (216, 3352), (224, 3385), (226, 3391), (230, 3415), (253, 3559),

Gene: Kabluna_28 Start: 13690, Stop: 15267, Start Num: 27

Candidate Starts for Kabluna_28:

(Start: 27 @13690 has 30 MA's), (28, 13696), (32, 13711), (33, 13714), (73, 13966), (83, 14044), (88, 14068), (124, 14269), (130, 14302), (136, 14329), (144, 14389), (165, 14524), (168, 14536), (182, 14617), (192, 14713), (196, 14758), (209, 14857), (213, 14881), (215, 14890), (228, 14950), (237, 15010), (240, 15022), (242, 15034), (243, 15043), (248, 15082),

Gene: Karhdo_3 Start: 2256, Stop: 3614, Start Num: 39

Candidate Starts for Karhdo_3:

(Start: 39 @2256 has 151 MA's), (Start: 45 @2292 has 9 MA's), (Start: 49 @2316 has 1 MA's), (50, 2325), (51, 2331), (52, 2334), (57, 2373), (67, 2439), (68, 2442), (76, 2511), (83, 2550), (85, 2559), (97, 2607), (108, 2667), (118, 2715), (126, 2760), (138, 2805), (140, 2832), (146, 2877), (151, 2898), (152, 2901), (153, 2904), (156, 2925), (157, 2934), (163, 2985), (164, 2988), (167, 2997), (173, 3027), (176, 3048), (184, 3117), (186, 3126), (190, 3177), (191, 3180), (196, 3234), (197, 3240), (198, 3243), (199, 3246), (205, 3303), (207, 3324), (213, 3357), (216, 3369), (226, 3408), (230, 3432), (253, 3576),

Gene: Kenuha5_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Kenuha5_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (113, 2687), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Kersh_3 Start: 2243, Stop: 3601, Start Num: 39

Candidate Starts for Kersh_3:

(Start: 39 @2243 has 151 MA's), (Start: 45 @2279 has 9 MA's), (Start: 49 @2303 has 1 MA's), (50, 2312), (51, 2318), (52, 2321), (57, 2360), (67, 2426), (68, 2429), (76, 2498), (83, 2537), (85, 2546), (97, 2594), (108, 2654), (118, 2702), (126, 2747), (138, 2792), (140, 2819), (146, 2864), (151, 2885), (152, 2888), (153, 2891), (156, 2912), (157, 2921), (163, 2972), (164, 2975), (167, 2984), (173, 3014), (176, 3035), (184, 3104), (186, 3113), (190, 3164), (191, 3167), (197, 3227), (199, 3233), (213, 3344), (216, 3356), (224, 3389), (226, 3395), (230, 3419), (253, 3563),

Gene: KidneyBean_25 Start: 14685, Stop: 16274, Start Num: 27

Candidate Starts for KidneyBean_25:

(Start: 27 @14685 has 30 MA's), (28, 14691), (32, 14706), (36, 14715), (46, 14769), (73, 14961), (83, 15039), (88, 15063), (93, 15093), (130, 15297), (136, 15324), (139, 15351), (152, 15441), (161, 15513), (164, 15528), (168, 15543), (182, 15624), (196, 15765), (209, 15864), (211, 15879), (213, 15888), (215, 15897), (223, 15933), (228, 15957), (242, 16041), (243, 16050), (249, 16095),

Gene: Kimchi1738_13 Start: 8378, Stop: 9940, Start Num: 31

Candidate Starts for Kimchi1738_13:

(Start: 27 @8363 has 30 MA's), (Start: 31 @8378 has 6 MA's), (43, 8441), (53, 8504), (61, 8564), (62, 8573), (64, 8582), (70, 8621), (80, 8699), (83, 8717), (102, 8837), (105, 8843), (117, 8906), (119, 8912), (137, 9026), (147, 9101), (151, 9125), (161, 9200), (164, 9215), (168, 9230), (184, 9335), (186, 9344), (196, 9452), (216, 9584), (229, 9647), (235, 9692), (244, 9737), (245, 9743), (247, 9770), (249, 9779), (251, 9794), (264, 9878),

Gene: KingJulian_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for KingJulian_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (258, 3593),

Gene: KingMidas_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for KingMidas_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: Koella_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for Koella_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (258, 3578),

Gene: Krakatau_4 Start: 2939, Stop: 4273, Start Num: 45

Candidate Starts for Krakatau_4:

(Start: 39 @2903 has 151 MA's), (Start: 45 @2939 has 9 MA's), (Start: 49 @2963 has 1 MA's), (50, 2972), (51, 2978), (52, 2981), (57, 3020), (67, 3086), (68, 3089), (76, 3158), (83, 3197), (85, 3206), (97, 3254), (108, 3314), (118, 3362), (126, 3407), (138, 3452), (140, 3479), (146, 3524), (151, 3545), (152, 3548), (153, 3551), (156, 3572), (157, 3581), (163, 3632), (164, 3635), (167, 3644), (173, 3674), (176, 3695), (184, 3764), (186, 3773), (190, 3824), (191, 3827), (197, 3887), (199, 3893), (207, 3971), (213, 4004), (216, 4016), (222, 4034), (226, 4055), (230, 4079), (258, 4241),

Gene: KristaRAM_4 Start: 2903, Stop: 4273, Start Num: 39

Candidate Starts for KristaRAM_4:

(Start: 39 @2903 has 151 MA's), (Start: 45 @2939 has 9 MA's), (Start: 49 @2963 has 1 MA's), (50, 2972), (51, 2978), (52, 2981), (57, 3020), (67, 3086), (68, 3089), (76, 3158), (83, 3197), (85, 3206), (97, 3254), (108, 3314), (118, 3362), (126, 3407), (138, 3452), (140, 3479), (146, 3524), (151, 3545), (152, 3548), (153, 3551), (156, 3572), (157, 3581), (163, 3632), (164, 3635), (167, 3644), (173, 3674), (176, 3695), (184, 3764), (186, 3773), (190, 3824), (191, 3827), (196, 3881), (197, 3887), (198, 3890), (199, 3893), (205, 3950), (213, 4004), (216, 4016), (224, 4049), (226, 4055), (230, 4079), (253, 4223), (258, 4241),

Gene: Kurt_25 Start: 14922, Stop: 16511, Start Num: 27

Candidate Starts for Kurt_25:

(Start: 27 @14922 has 30 MA's), (28, 14928), (32, 14943), (36, 14952), (46, 15006), (73, 15198), (83, 15276), (88, 15300), (93, 15330), (130, 15534), (136, 15561), (139, 15588), (152, 15678), (161, 15750), (164, 15765), (168, 15780), (182, 15861), (196, 16002), (209, 16101), (211, 16116), (213, 16125), (215, 16134), (223, 16170), (228, 16194), (242, 16278), (243, 16287), (249, 16332),

Gene: LastJedi_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for LastJedi_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (253, 3560),

Gene: Latretium_3 Start: 2239, Stop: 3597, Start Num: 39

Candidate Starts for Latretium_3:

(Start: 39 @2239 has 151 MA's), (Start: 44 @2272 has 2 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (66, 2419), (67, 2422), (68, 2425), (76, 2494), (77, 2500), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (113, 2671), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (224, 3385), (226, 3391), (230, 3415), (253, 3559),

Gene: Leperchaun_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for Leperchaun_3:

(Start: 39 @2240 has 151 MA's), (Start: 44 @2273 has 2 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (77, 2501), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: LilMoolah_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for LilMoolah_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: Lizziana_3 Start: 2241, Stop: 3611, Start Num: 39

Candidate Starts for Lizziana_3:

(Start: 39 @2241 has 151 MA's), (Start: 45 @2277 has 9 MA's), (Start: 49 @2301 has 1 MA's), (50, 2310), (51, 2316), (52, 2319), (57, 2358), (67, 2424), (68, 2427), (76, 2496), (83, 2535), (85, 2544), (97, 2592), (108, 2652), (118, 2700), (126, 2745), (138, 2790), (140, 2817), (146, 2862), (151, 2883), (152, 2886), (153, 2889), (156, 2910), (157, 2919), (163, 2970), (164, 2973), (167, 2982), (173, 3012), (176, 3033), (184, 3102), (186, 3111), (190, 3162), (191, 3165), (197, 3225), (199, 3231), (207, 3309), (213, 3342), (216, 3354), (226, 3393), (230, 3417), (258, 3579),

Gene: Llama_3 Start: 2249, Stop: 3607, Start Num: 39

Candidate Starts for Llama_3:

(Start: 39 @2249 has 151 MA's), (Start: 44 @2282 has 2 MA's), (Start: 49 @2309 has 1 MA's), (50, 2318), (51, 2324), (52, 2327), (57, 2366), (67, 2432), (68, 2435), (76, 2504), (77, 2510), (83, 2543), (85, 2552), (97, 2600), (108, 2660), (118, 2708), (126, 2753), (138, 2798), (140, 2825), (146, 2870), (151, 2891), (152, 2894), (153, 2897), (156, 2918), (157, 2927), (163, 2978), (164, 2981), (167, 2990), (173, 3020), (176, 3041), (184, 3110), (186, 3119), (190, 3170), (191, 3173), (196, 3227), (197, 3233), (199, 3239), (207, 3317), (213, 3350), (216, 3362), (224, 3395), (226, 3401), (230, 3425), (253, 3569),

Gene: Llij_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Llij_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (258, 3593),

Gene: Lollipop1437_30 Start: 15534, Stop: 17117, Start Num: 26

Candidate Starts for Lollipop1437_30:

(Start: 26 @15534 has 5 MA's), (29, 15543), (46, 15621), (83, 15888), (100, 16002), (149, 16272), (161, 16356), (164, 16371), (168, 16386), (182, 16467), (196, 16608), (209, 16707), (213, 16731), (215, 16740), (228, 16800), (239, 16866), (242, 16884), (243, 16893), (249, 16938),

Gene: Lozinak_31 Start: 10444, Stop: 12060, Start Num: 20

Candidate Starts for Lozinak_31:

(Start: 20 @10444 has 21 MA's), (38, 10495), (40, 10504), (Start: 49 @10564 has 1 MA's), (57, 10621), (63, 10657), (70, 10702), (74, 10729), (103, 10933), (111, 10963), (116, 10999), (125, 11044), (127, 11053), (131, 11068), (151, 11206), (152, 11209), (155, 11227), (156, 11233), (160, 11275), (185, 11467), (194, 11554), (197, 11584), (202, 11629), (209, 11677), (211, 11692), (227, 11755), (230, 11779), (231, 11785), (233, 11794), (245, 11863), (251, 11914), (252, 11917), (255, 11929),

Gene: LunaBlu_3 Start: 2239, Stop: 3597, Start Num: 39

Candidate Starts for LunaBlu_3:

(Start: 39 @2239 has 151 MA's), (Start: 44 @2272 has 2 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (66, 2419), (67, 2422), (68, 2425), (76, 2494), (77, 2500), (83,

2533), (85, 2542), (97, 2590), (108, 2650), (113, 2671), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (224, 3385), (226, 3391), (230, 3415), (253, 3559),

Gene: MacGully_33 Start: 15830, Stop: 17416, Start Num: 27

Candidate Starts for MacGully_33:

(Start: 27 @15830 has 30 MA's), (29, 15839), (Start: 44 @15911 has 2 MA's), (83, 16184), (84, 16190), (90, 16217), (101, 16301), (105, 16310), (107, 16319), (109, 16325), (110, 16328), (121, 16385), (130, 16442), (144, 16526), (151, 16568), (161, 16643), (168, 16673), (184, 16778), (188, 16805), (192, 16850), (196, 16895), (209, 16994), (213, 17018), (215, 17027), (221, 17051), (242, 17174), (246, 17207), (263, 17321),

Gene: MadMen_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for MadMen_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (258, 3593),

Gene: Mahavrat_3 Start: 2239, Stop: 3597, Start Num: 39

Candidate Starts for Mahavrat_3:

(Start: 39 @2239 has 151 MA's), (Start: 44 @2272 has 2 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (66, 2419), (67, 2422), (68, 2425), (76, 2494), (77, 2500), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (113, 2671), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (224, 3385), (226, 3391), (230, 3415), (253, 3559),

Gene: Mandlovu_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for Mandlovu_3:

(Start: 39 @2240 has 151 MA's), (Start: 44 @2273 has 2 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (66, 2420), (67, 2423), (68, 2426), (76, 2495), (77, 2501), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (113, 2672), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: Mantra_3 Start: 2315, Stop: 3625, Start Num: 49

Candidate Starts for Mantra_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (194, 3209), (196, 3233), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (258, 3593),

Gene: Maravista_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for Maravista_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (253, 3560),

Gene: Marietta_27 Start: 12175, Stop: 13752, Start Num: 27

Candidate Starts for Marietta_27:

(Start: 16 @12130 has 7 MA's), (Start: 27 @12175 has 30 MA's), (37, 12208), (94, 12586), (136, 12814), (143, 12859), (161, 12991), (168, 13021), (192, 13198), (195, 13228), (196, 13243), (213, 13366), (215, 13375), (223, 13411), (228, 13435), (242, 13519), (243, 13528), (249, 13573),

Gene: Martik_3 Start: 2241, Stop: 3611, Start Num: 39

Candidate Starts for Martik_3:

(Start: 39 @2241 has 151 MA's), (Start: 45 @2277 has 9 MA's), (Start: 49 @2301 has 1 MA's), (50, 2310), (51, 2316), (52, 2319), (57, 2358), (67, 2424), (68, 2427), (76, 2496), (83, 2535), (85, 2544), (97, 2592), (108, 2652), (118, 2700), (126, 2745), (138, 2790), (140, 2817), (146, 2862), (151, 2883), (152, 2886), (153, 2889), (156, 2910), (157, 2919), (163, 2970), (164, 2973), (167, 2982), (173, 3012), (176, 3033), (184, 3102), (186, 3111), (190, 3162), (191, 3165), (197, 3225), (199, 3231), (207, 3309), (213, 3342), (216, 3354), (226, 3393), (230, 3417), (258, 3579),

Gene: Maselop_29 Start: 15885, Stop: 17474, Start Num: 23

Candidate Starts for Maselop_29:

(18, 15858), (Start: 23 @15885 has 6 MA's), (Start: 27 @15891 has 30 MA's), (29, 15900), (33, 15918), (34, 15921), (46, 15978), (58, 16071), (83, 16245), (84, 16251), (105, 16371), (121, 16446), (122, 16455), (130, 16503), (158, 16683), (161, 16704), (165, 16722), (168, 16734), (184, 16839), (188, 16866), (192, 16911), (193, 16923), (196, 16956), (206, 17034), (209, 17055), (213, 17079), (215, 17088), (221, 17112), (242, 17232), (243, 17241), (246, 17265),

Gene: Mattes_3 Start: 2276, Stop: 3598, Start Num: 45

Candidate Starts for Mattes_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (55, 2348), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: Melissauren88_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Melissauren88_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: MerCougar_26 Start: 14884, Stop: 16461, Start Num: 27

Candidate Starts for MerCougar_26:

(Start: 27 @14884 has 30 MA's), (28, 14890), (33, 14908), (46, 14968), (73, 15160), (83, 15238), (88, 15262), (124, 15463), (130, 15496), (144, 15583), (149, 15616), (165, 15718), (168, 15730), (182,

15811), (196, 15952), (209, 16051), (213, 16075), (215, 16084), (228, 16144), (242, 16228), (243, 16237),

Gene: MilanaBonita_4 Start: 2903, Stop: 4273, Start Num: 39

Candidate Starts for MilanaBonita_4:

(Start: 39 @2903 has 151 MA's), (Start: 45 @2939 has 9 MA's), (Start: 49 @2963 has 1 MA's), (50, 2972), (51, 2978), (52, 2981), (57, 3020), (67, 3086), (68, 3089), (76, 3158), (83, 3197), (85, 3206), (97, 3254), (108, 3314), (118, 3362), (126, 3407), (138, 3452), (140, 3479), (146, 3524), (151, 3545), (152, 3548), (153, 3551), (156, 3572), (157, 3581), (163, 3632), (164, 3635), (167, 3644), (173, 3674), (176, 3695), (184, 3764), (186, 3773), (190, 3824), (191, 3827), (196, 3881), (197, 3887), (199, 3893), (213, 4004), (216, 4016), (224, 4049), (226, 4055), (230, 4079), (253, 4223), (258, 4241),

Gene: MilleniumForce_4 Start: 2903, Stop: 4273, Start Num: 39

Candidate Starts for MilleniumForce_4:

(Start: 39 @2903 has 151 MA's), (Start: 45 @2939 has 9 MA's), (Start: 49 @2963 has 1 MA's), (50, 2972), (51, 2978), (52, 2981), (57, 3020), (67, 3086), (68, 3089), (76, 3158), (83, 3197), (85, 3206), (97, 3254), (108, 3314), (118, 3362), (126, 3407), (138, 3452), (140, 3479), (146, 3524), (151, 3545), (152, 3548), (153, 3551), (156, 3572), (157, 3581), (163, 3632), (164, 3635), (167, 3644), (173, 3674), (176, 3695), (184, 3764), (186, 3773), (190, 3824), (191, 3827), (194, 3857), (196, 3881), (197, 3887), (199, 3893), (205, 3950), (213, 4004), (216, 4016), (224, 4049), (226, 4055), (230, 4079), (253, 4223), (258, 4241),

Gene: MinionDave_4 Start: 2903, Stop: 4273, Start Num: 39

Candidate Starts for MinionDave_4:

(Start: 39 @2903 has 151 MA's), (Start: 45 @2939 has 9 MA's), (Start: 49 @2963 has 1 MA's), (50, 2972), (51, 2978), (52, 2981), (57, 3020), (67, 3086), (68, 3089), (76, 3158), (83, 3197), (85, 3206), (97, 3254), (108, 3314), (118, 3362), (126, 3407), (138, 3452), (140, 3479), (146, 3524), (151, 3545), (152, 3548), (153, 3551), (156, 3572), (157, 3581), (163, 3632), (164, 3635), (167, 3644), (173, 3674), (176, 3695), (184, 3764), (186, 3773), (190, 3824), (191, 3827), (196, 3881), (197, 3887), (198, 3890), (199, 3893), (205, 3950), (213, 4004), (216, 4016), (224, 4049), (226, 4055), (230, 4079), (253, 4223), (258, 4241),

Gene: Minnie_3 Start: 2291, Stop: 3625, Start Num: 45

Candidate Starts for Minnie_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (258, 3593),

Gene: Miskis_33 Start: 10219, Stop: 11835, Start Num: 20

Candidate Starts for Miskis_33:

(Start: 20 @10219 has 21 MA's), (38, 10270), (40, 10279), (Start: 49 @10339 has 1 MA's), (57, 10396), (63, 10432), (70, 10477), (74, 10504), (103, 10708), (111, 10738), (116, 10774), (125, 10819), (127, 10828), (131, 10843), (151, 10981), (152, 10984), (155, 11002), (156, 11008), (160, 11050), (185, 11242), (194, 11329), (197, 11359), (202, 11404), (209, 11452), (211, 11467), (227, 11530), (230, 11554), (231, 11560), (233, 11569), (245, 11638), (251, 11689), (252, 11692), (255, 11704),

Gene: MisterCuddles_3 Start: 2241, Stop: 3611, Start Num: 39

Candidate Starts for MisterCuddles_3:

(Start: 39 @2241 has 151 MA's), (Start: 45 @2277 has 9 MA's), (Start: 49 @2301 has 1 MA's), (50, 2310), (51, 2316), (52, 2319), (57, 2358), (67, 2424), (68, 2427), (76, 2496), (83, 2535), (85, 2544), (97,

2592), (108, 2652), (118, 2700), (126, 2745), (138, 2790), (140, 2817), (146, 2862), (151, 2883), (152, 2886), (153, 2889), (156, 2910), (157, 2919), (163, 2970), (164, 2973), (167, 2982), (173, 3012), (176, 3033), (184, 3102), (186, 3111), (190, 3162), (191, 3165), (197, 3225), (199, 3231), (207, 3309), (213, 3342), (216, 3354), (226, 3393), (230, 3417), (258, 3579),

Gene: Modragons_3 Start: 2249, Stop: 3607, Start Num: 39

Candidate Starts for Modragons_3:

(Start: 39 @2249 has 151 MA's), (Start: 44 @2282 has 2 MA's), (Start: 49 @2309 has 1 MA's), (50, 2318), (51, 2324), (52, 2327), (57, 2366), (67, 2432), (68, 2435), (76, 2504), (77, 2510), (83, 2543), (85, 2552), (97, 2600), (108, 2660), (118, 2708), (126, 2753), (138, 2798), (140, 2825), (146, 2870), (151, 2891), (152, 2894), (153, 2897), (156, 2918), (157, 2927), (163, 2978), (164, 2981), (167, 2990), (173, 3020), (176, 3041), (184, 3110), (186, 3119), (190, 3170), (191, 3173), (196, 3227), (197, 3233), (199, 3239), (207, 3317), (213, 3350), (216, 3362), (224, 3395), (226, 3401), (230, 3425), (253, 3569),

Gene: Mollymur_14 Start: 8741, Stop: 10309, Start Num: 20

Candidate Starts for Mollymur_14:

(Start: 20 @8741 has 21 MA's), (38, 8792), (53, 8894), (62, 8954), (63, 8957), (70, 9002), (85, 9107), (103, 9206), (104, 9209), (119, 9281), (121, 9287), (132, 9347), (145, 9440), (150, 9467), (151, 9473), (152, 9476), (156, 9500), (164, 9563), (172, 9602), (179, 9671), (193, 9809), (196, 9842), (197, 9848), (203, 9896), (206, 9920), (217, 9983), (232, 10055), (234, 10070), (245, 10127), (251, 10178), (252, 10181), (255, 10193),

Gene: Moonbeam_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for Moonbeam_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (194, 3194), (196, 3218), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: Ms6_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Ms6_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: MulchSalad_3 Start: 2290, Stop: 3612, Start Num: 45

Candidate Starts for MulchSalad_3:

(Start: 39 @2254 has 151 MA's), (Start: 45 @2290 has 9 MA's), (Start: 49 @2314 has 1 MA's), (50, 2323), (51, 2329), (52, 2332), (57, 2371), (66, 2434), (67, 2437), (68, 2440), (76, 2509), (77, 2515), (83, 2548), (85, 2557), (97, 2605), (108, 2665), (113, 2686), (118, 2713), (126, 2758), (138, 2803), (140, 2830), (146, 2875), (151, 2896), (152, 2899), (153, 2902), (156, 2923), (157, 2932), (163, 2983), (164, 2986), (167, 2995), (173, 3025), (176, 3046), (184, 3115), (186, 3124), (190, 3175), (191, 3178), (197, 3238), (199, 3244), (213, 3355), (216, 3367), (224, 3400), (226, 3406), (230, 3430),

Gene: Mutaforma13_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Mutaforma13_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97,

2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: NadineRae_25 Start: 11379, Stop: 13001, Start Num: 16

Candidate Starts for NadineRae_25:

(7, 10932), (8, 10995), (9, 11043), (Start: 16 @11379 has 7 MA's), (Start: 27 @11424 has 30 MA's), (37, 11457), (111, 11928), (136, 12063), (143, 12108), (161, 12240), (168, 12270), (182, 12351), (192, 12447), (195, 12477), (196, 12492), (213, 12615), (215, 12624), (223, 12660), (228, 12684), (239, 12750), (242, 12768), (243, 12777), (249, 12822),

Gene: NatB6_25 Start: 13946, Stop: 15535, Start Num: 27

Candidate Starts for NatB6_25:

(Start: 27 @13946 has 30 MA's), (28, 13952), (32, 13967), (36, 13976), (46, 14030), (73, 14222), (83, 14300), (88, 14324), (93, 14354), (130, 14558), (136, 14585), (139, 14612), (152, 14702), (161, 14774), (164, 14789), (168, 14804), (182, 14885), (196, 15026), (209, 15125), (211, 15140), (213, 15149), (215, 15158), (223, 15194), (228, 15218), (242, 15302), (243, 15311), (249, 15356),

Gene: NewHope4_3 Start: 2272, Stop: 3597, Start Num: 44

Candidate Starts for NewHope4_3:

(Start: 39 @2239 has 151 MA's), (Start: 44 @2272 has 2 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (66, 2419), (67, 2422), (68, 2425), (76, 2494), (77, 2500), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (113, 2671), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (224, 3385), (226, 3391), (230, 3415), (253, 3559),

Gene: Nimbo_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Nimbo_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: Nitzel_4 Start: 2903, Stop: 4261, Start Num: 39

Candidate Starts for Nitzel_4:

(Start: 39 @2903 has 151 MA's), (Start: 45 @2939 has 9 MA's), (Start: 49 @2963 has 1 MA's), (50, 2972), (51, 2978), (52, 2981), (57, 3020), (67, 3086), (68, 3089), (76, 3158), (83, 3197), (85, 3206), (97, 3254), (108, 3314), (118, 3362), (126, 3407), (138, 3452), (140, 3479), (146, 3524), (151, 3545), (152, 3548), (153, 3551), (156, 3572), (157, 3581), (163, 3632), (164, 3635), (167, 3644), (173, 3674), (176, 3695), (184, 3764), (186, 3773), (190, 3824), (191, 3827), (197, 3887), (199, 3893), (207, 3971), (213, 4004), (216, 4016), (224, 4049), (226, 4055), (230, 4079), (253, 4223),

Gene: Nivrat_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for Nivrat_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176,

3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: NormanBulbieJr_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for NormanBulbieJr_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (113, 2672), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: Norvs_32 Start: 10446, Stop: 12062, Start Num: 20

Candidate Starts for Norvs_32:

(Start: 20 @10446 has 21 MA's), (38, 10497), (40, 10506), (Start: 49 @10566 has 1 MA's), (57, 10623), (63, 10659), (70, 10704), (74, 10731), (103, 10935), (111, 10965), (116, 11001), (125, 11046), (127, 11055), (131, 11070), (151, 11208), (152, 11211), (155, 11229), (156, 11235), (160, 11277), (185, 11469), (194, 11556), (197, 11586), (202, 11631), (209, 11679), (211, 11694), (227, 11757), (230, 11781), (231, 11787), (233, 11796), (245, 11865), (251, 11916), (252, 11919), (255, 11931),

Gene: NosilaM_28 Start: 14569, Stop: 16146, Start Num: 27

Candidate Starts for NosilaM_28:

(Start: 27 @14569 has 30 MA's), (28, 14575), (32, 14590), (33, 14593), (73, 14845), (83, 14923), (88, 14947), (124, 15148), (130, 15181), (136, 15208), (144, 15268), (165, 15403), (168, 15415), (182, 15496), (192, 15592), (196, 15637), (209, 15736), (213, 15760), (215, 15769), (228, 15829), (237, 15889), (240, 15901), (242, 15913), (243, 15922),

Gene: NovumRegina_25 Start: 14277, Stop: 15866, Start Num: 27

Candidate Starts for NovumRegina_25:

(Start: 27 @14277 has 30 MA's), (28, 14283), (32, 14298), (46, 14361), (73, 14553), (83, 14631), (88, 14655), (93, 14685), (136, 14916), (152, 15033), (161, 15105), (164, 15120), (168, 15135), (182, 15216), (196, 15357), (209, 15456), (211, 15471), (213, 15480), (215, 15489), (223, 15525), (228, 15549), (242, 15633), (243, 15642), (249, 15687),

Gene: Ochi17_3 Start: 2249, Stop: 3607, Start Num: 39

Candidate Starts for Ochi17_3:

(Start: 39 @2249 has 151 MA's), (Start: 44 @2282 has 2 MA's), (Start: 49 @2309 has 1 MA's), (50, 2318), (51, 2324), (52, 2327), (57, 2366), (67, 2432), (68, 2435), (76, 2504), (77, 2510), (83, 2543), (85, 2552), (97, 2600), (108, 2660), (118, 2708), (126, 2753), (138, 2798), (140, 2825), (146, 2870), (151, 2891), (152, 2894), (153, 2897), (156, 2918), (157, 2927), (163, 2978), (164, 2981), (167, 2990), (173, 3020), (176, 3041), (184, 3110), (186, 3119), (190, 3170), (191, 3173), (196, 3227), (197, 3233), (199, 3239), (207, 3317), (213, 3350), (216, 3362), (224, 3395), (226, 3401), (230, 3425), (253, 3569),

Gene: OfUltron_3 Start: 2249, Stop: 3607, Start Num: 39

Candidate Starts for OfUltron_3:

(Start: 39 @2249 has 151 MA's), (Start: 44 @2282 has 2 MA's), (Start: 49 @2309 has 1 MA's), (50, 2318), (51, 2324), (52, 2327), (57, 2366), (67, 2432), (68, 2435), (76, 2504), (77, 2510), (83, 2543), (85, 2552), (97, 2600), (108, 2660), (118, 2708), (126, 2753), (138, 2798), (140, 2825), (146, 2870), (151, 2891), (152, 2894), (153, 2897), (156, 2918), (157, 2927), (163, 2978), (164, 2981), (167, 2990), (173, 3020), (176, 3041), (184, 3110), (186, 3119), (190, 3170), (191, 3173), (196, 3227), (197, 3233), (199, 3239), (207, 3317), (213, 3350), (216, 3362), (224, 3395), (226, 3401), (230, 3425), (253, 3569),

Gene: OldBen_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for OldBen_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: OlympiaSaint_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for OlympiaSaint_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: OneUp_25 Start: 8258, Stop: 9868, Start Num: 20

Candidate Starts for OneUp_25:

(Start: 20 @8258 has 21 MA's), (38, 8309), (40, 8318), (57, 8435), (63, 8471), (70, 8516), (74, 8543), (103, 8747), (119, 8822), (127, 8867), (145, 8987), (152, 9023), (155, 9041), (156, 9047), (159, 9086), (160, 9089), (179, 9218), (197, 9398), (202, 9443), (209, 9491), (230, 9593), (231, 9599), (233, 9608), (245, 9677), (246, 9692), (251, 9728), (252, 9731), (255, 9743),

Gene: Outis_26 Start: 14578, Stop: 16155, Start Num: 27

Candidate Starts for Outis_26:

(Start: 27 @14578 has 30 MA's), (28, 14584), (33, 14602), (46, 14662), (73, 14854), (83, 14932), (88, 14956), (124, 15157), (130, 15190), (144, 15277), (149, 15310), (165, 15412), (168, 15424), (182, 15505), (196, 15646), (209, 15745), (213, 15769), (215, 15778), (228, 15838), (237, 15898), (242, 15922), (243, 15931),

Gene: Ovechkin_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Ovechkin_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: P1201_28 Start: 15559, Stop: 17196, Start Num: 25

Candidate Starts for P1201_28:

(25, 15559), (59, 15739), (65, 15781), (75, 15850), (78, 15883), (83, 15907), (88, 15931), (96, 15970), (129, 16177), (132, 16204), (145, 16330), (168, 16462), (176, 16510), (184, 16579), (186, 16588), (189, 16624), (196, 16696), (200, 16717), (213, 16816), (217, 16834), (242, 16969), (245, 16987), (249, 17023), (254, 17050), (261, 17062),

Gene: PHappiness_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for PHappiness_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152,

2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: PMC_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for PMC_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (258, 3593),

Gene: Pacc40_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Pacc40_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: Patio_28 Start: 14770, Stop: 16353, Start Num: 26

Candidate Starts for Patio_28:

(Start: 26 @14770 has 5 MA's), (29, 14779), (46, 14857), (83, 15124), (100, 15238), (149, 15508), (161, 15592), (164, 15607), (168, 15622), (182, 15703), (196, 15844), (209, 15943), (213, 15967), (215, 15976), (228, 16036), (239, 16102), (242, 16120), (243, 16129), (249, 16174),

Gene: PeteyPab_13 Start: 8757, Stop: 10319, Start Num: 31

Candidate Starts for PeteyPab_13:

(Start: 27 @8742 has 30 MA's), (Start: 31 @8757 has 6 MA's), (43, 8820), (48, 8841), (53, 8883), (61, 8943), (62, 8952), (64, 8961), (70, 9000), (83, 9096), (102, 9216), (105, 9222), (117, 9285), (119, 9291), (137, 9405), (139, 9426), (147, 9480), (151, 9504), (161, 9579), (164, 9594), (168, 9609), (184, 9714), (186, 9723), (196, 9831), (216, 9963), (229, 10026), (235, 10071), (244, 10116), (245, 10122), (247, 10149), (249, 10158), (251, 10173), (264, 10257),

Gene: Phalconet_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Phalconet_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Phanphagia_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Phanphagia_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Phasih_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Phasih_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Phatniss_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for Phatniss_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (194, 3194), (196, 3218), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (253, 3560), (258, 3578),

Gene: PhesterPhotato_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for PhesterPhotato_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Philus_3 Start: 2276, Stop: 3610, Start Num: 45

Candidate Starts for Philus_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: PhinkBoden_31 Start: 10827, Stop: 12443, Start Num: 20

Candidate Starts for PhinkBoden_31:

(Start: 20 @10827 has 21 MA's), (38, 10878), (40, 10887), (Start: 49 @10947 has 1 MA's), (57, 11004), (63, 11040), (70, 11085), (74, 11112), (103, 11316), (111, 11346), (116, 11382), (125, 11427), (127, 11436), (131, 11451), (151, 11589), (152, 11592), (155, 11610), (156, 11616), (160, 11658), (185, 11850), (194, 11937), (197, 11967), (202, 12012), (209, 12060), (211, 12075), (227, 12138), (230, 12162), (231, 12168), (233, 12177), (245, 12246), (251, 12297), (252, 12300), (255, 12312),

Gene: PhlipPhlop_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for PhlipPhlop_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (207,

3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (258, 3593),

Gene: Phomeo_24 Start: 14572, Stop: 16161, Start Num: 27

Candidate Starts for Phomeo_24:

(Start: 27 @14572 has 30 MA's), (28, 14578), (32, 14593), (36, 14602), (46, 14656), (73, 14848), (83, 14926), (88, 14950), (93, 14980), (130, 15184), (136, 15211), (139, 15238), (152, 15328), (161, 15400), (164, 15415), (168, 15430), (182, 15511), (196, 15652), (209, 15751), (211, 15766), (213, 15775), (215, 15784), (223, 15820), (228, 15844), (242, 15928), (243, 15937), (249, 15982),

Gene: Pippy_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for Pippy_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (113, 2672), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: Pleakley_34 Start: 14655, Stop: 16232, Start Num: 27

Candidate Starts for Pleakley_34:

(Start: 27 @14655 has 30 MA's), (28, 14661), (29, 14664), (37, 14691), (46, 14742), (83, 15009), (119, 15204), (122, 15219), (130, 15267), (161, 15471), (164, 15486), (168, 15501), (182, 15582), (192, 15678), (193, 15690), (196, 15723), (209, 15822), (213, 15846), (215, 15855), (223, 15891), (227, 15906), (228, 15915), (242, 15999), (248, 16047), (249, 16053),

Gene: Poenanya_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Poenanya_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: Polka14_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for Polka14_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (55, 2348), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: Polyuki_29 Start: 15877, Stop: 17466, Start Num: 23

Candidate Starts for Polyuki_29:

(18, 15850), (Start: 23 @15877 has 6 MA's), (Start: 27 @15883 has 30 MA's), (29, 15892), (33, 15910), (34, 15913), (46, 15970), (52, 16012), (58, 16063), (83, 16237), (84, 16243), (105, 16363), (121, 16438), (122, 16447), (130, 16495), (158, 16675), (161, 16696), (165, 16714), (168, 16726), (184, 16831), (188, 16858), (192, 16903), (193, 16915), (196, 16948), (206, 17026), (209, 17047), (213, 17071), (215, 17080), (221, 17104), (242, 17224), (243, 17233), (246, 17257),

Gene: PopTart_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for PopTart_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: PotatoChip_13 Start: 8759, Stop: 10321, Start Num: 31

Candidate Starts for PotatoChip_13:

(Start: 27 @8744 has 30 MA's), (Start: 31 @8759 has 6 MA's), (43, 8822), (48, 8843), (53, 8885), (61, 8945), (62, 8954), (64, 8963), (70, 9002), (83, 9098), (102, 9218), (105, 9224), (117, 9287), (119, 9293), (137, 9407), (139, 9428), (147, 9482), (151, 9506), (161, 9581), (164, 9596), (168, 9611), (184, 9716), (186, 9725), (196, 9833), (216, 9965), (229, 10028), (235, 10073), (244, 10118), (245, 10124), (247, 10151), (249, 10160), (251, 10175), (264, 10259),

Gene: Priscilla_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for Priscilla_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: QuickMath_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for QuickMath_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Radiance_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Radiance_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: RedBird_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for RedBird_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: RedRaider_32 Start: 16783, Stop: 18366, Start Num: 26

Candidate Starts for RedRaider_32:

(Start: 26 @16783 has 5 MA's), (29, 16792), (46, 16870), (83, 17137), (100, 17251), (130, 17395), (149, 17521), (161, 17605), (168, 17635), (182, 17716), (186, 17749), (196, 17857), (209, 17956), (213, 17980), (215, 17989), (228, 18049), (239, 18115), (242, 18133), (243, 18142), (248, 18181), (249, 18187),

Gene: Rita_3 Start: 2256, Stop: 3626, Start Num: 39

Candidate Starts for Rita_3:

(Start: 39 @2256 has 151 MA's), (Start: 45 @2292 has 9 MA's), (Start: 49 @2316 has 1 MA's), (50, 2325), (51, 2331), (52, 2334), (57, 2373), (67, 2439), (68, 2442), (76, 2511), (83, 2550), (85, 2559), (97, 2607), (108, 2667), (118, 2715), (126, 2760), (138, 2805), (140, 2832), (146, 2877), (151, 2898), (152, 2901), (153, 2904), (156, 2925), (157, 2934), (163, 2985), (164, 2988), (167, 2997), (173, 3027), (176, 3048), (184, 3117), (186, 3126), (190, 3177), (191, 3180), (196, 3234), (197, 3240), (199, 3246), (213, 3357), (216, 3369), (224, 3402), (226, 3408), (230, 3432), (253, 3576), (258, 3594),

Gene: RitaG_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for RitaG_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: Rockne_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Rockne_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (258, 3593),

Gene: Royals2015_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Royals2015_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Ruby_3 Start: 2241, Stop: 3611, Start Num: 39

Candidate Starts for Ruby_3:

(Start: 39 @2241 has 151 MA's), (Start: 45 @2277 has 9 MA's), (Start: 49 @2301 has 1 MA's), (50, 2310), (51, 2316), (52, 2319), (57, 2358), (67, 2424), (68, 2427), (76, 2496), (83, 2535), (85, 2544), (97, 2592), (108, 2652), (118, 2700), (126, 2745), (138, 2790), (140, 2817), (146, 2862), (151, 2883), (152, 2886), (153, 2889), (156, 2910), (157, 2919), (163, 2970), (164, 2973), (167, 2982), (173, 3012), (176, 3033), (184, 3102), (186, 3111), (190, 3162), (191, 3165), (197, 3225), (199, 3231), (207, 3309), (213, 3342), (216, 3354), (226, 3393), (230, 3417), (258, 3579),

Gene: SG4_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for SG4_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: SPB78_3 Start: 2124, Stop: 3551, Start Num: 35

Candidate Starts for SPB78_3:

(35, 2124), (42, 2163), (57, 2250), (67, 2316), (74, 2358), (91, 2454), (94, 2475), (127, 2646), (142, 2727), (151, 2781), (154, 2799), (156, 2808), (159, 2841), (166, 2868), (169, 2877), (171, 2886), (183, 3012), (194, 3108), (195, 3117), (201, 3177), (204, 3195), (212, 3252), (213, 3255), (219, 3282), (227, 3309), (235, 3369), (241, 3396), (244, 3411), (246, 3432), (260, 3501),

Gene: Saal_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for Saal_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (175, 3029), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: Sabbb_3 Start: 2255, Stop: 3613, Start Num: 39

Candidate Starts for Sabbb_3:

(Start: 39 @2255 has 151 MA's), (Start: 44 @2288 has 2 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (66, 2435), (67, 2438), (68, 2441), (76, 2510), (77, 2516), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (113, 2687), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575),

Gene: Sandalphon_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Sandalphon_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (258, 3593),

Gene: Sassafras_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Sassafras_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: SassyB_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for SassyB_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Scottish_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Scottish_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: Scuba_34 Start: 14742, Stop: 16319, Start Num: 27

Candidate Starts for Scuba_34:

(Start: 27 @14742 has 30 MA's), (28, 14748), (29, 14751), (37, 14778), (46, 14829), (83, 15096), (122, 15306), (130, 15354), (161, 15558), (164, 15573), (168, 15588), (182, 15669), (185, 15699), (192, 15765), (193, 15777), (196, 15810), (209, 15909), (213, 15933), (215, 15942), (223, 15978), (227, 15993), (228, 16002), (242, 16086), (248, 16134), (249, 16140),

Gene: Seabastian_3 Start: 2249, Stop: 3607, Start Num: 39

Candidate Starts for Seabastian_3:

(Start: 39 @2249 has 151 MA's), (Start: 44 @2282 has 2 MA's), (Start: 49 @2309 has 1 MA's), (50, 2318), (51, 2324), (52, 2327), (57, 2366), (67, 2432), (68, 2435), (76, 2504), (77, 2510), (83, 2543), (85, 2552), (97, 2600), (108, 2660), (118, 2708), (126, 2753), (138, 2798), (140, 2825), (146, 2870), (151, 2891), (152, 2894), (153, 2897), (156, 2918), (157, 2927), (163, 2978), (164, 2981), (167, 2990), (173, 3020), (176, 3041), (184, 3110), (186, 3119), (190, 3170), (191, 3173), (196, 3227), (197, 3233), (199, 3239), (207, 3317), (213, 3350), (216, 3362), (224, 3395), (226, 3401), (230, 3425), (253, 3569),

Gene: Shauna1_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Shauna1_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: ShiLan_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for ShiLan_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: ShowerHandel_3 Start: 2241, Stop: 3611, Start Num: 39

Candidate Starts for ShowerHandel_3:

(Start: 39 @2241 has 151 MA's), (Start: 45 @2277 has 9 MA's), (Start: 49 @2301 has 1 MA's), (50, 2310), (51, 2316), (52, 2319), (57, 2358), (67, 2424), (68, 2427), (76, 2496), (83, 2535), (85, 2544), (97, 2592), (108, 2652), (118, 2700), (126, 2745), (138, 2790), (140, 2817), (146, 2862), (151, 2883), (152, 2886), (153, 2889), (156, 2910), (157, 2919), (163, 2970), (164, 2973), (167, 2982), (173, 3012), (176, 3033), (184, 3102), (186, 3111), (190, 3162), (191, 3165), (197, 3225), (199, 3231), (207, 3309), (213, 3342), (216, 3354), (226, 3393), (230, 3417), (258, 3579),

Gene: ShroomBoi_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for ShroomBoi_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: SiSi_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for SiSi_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (194, 3194), (196, 3218), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (253, 3560), (258, 3578),

Gene: Skysand_27 Start: 14990, Stop: 16573, Start Num: 26

Candidate Starts for Skysand_27:

(Start: 26 @14990 has 5 MA's), (29, 14999), (46, 15077), (83, 15344), (100, 15458), (149, 15728), (161, 15812), (164, 15827), (168, 15842), (182, 15923), (193, 16031), (196, 16064), (209, 16163), (213, 16187), (215, 16196), (228, 16256), (239, 16322), (242, 16340), (243, 16349), (249, 16394), (251, 16409),

Gene: Smoothie_32 Start: 10444, Stop: 12060, Start Num: 20

Candidate Starts for Smoothie_32:

(Start: 20 @10444 has 21 MA's), (38, 10495), (40, 10504), (Start: 49 @10564 has 1 MA's), (57, 10621), (63, 10657), (70, 10702), (74, 10729), (103, 10933), (111, 10963), (116, 10999), (125, 11044), (127, 11053), (131, 11068), (151, 11206), (152, 11209), (155, 11227), (156, 11233), (160, 11275), (185, 11467), (194, 11554), (197, 11584), (202, 11629), (209, 11677), (211, 11692), (227, 11755), (230, 11779), (231, 11785), (233, 11794), (245, 11863), (251, 11914), (252, 11917), (255, 11929),

Gene: Sparkdehlily_3 Start: 2256, Stop: 3626, Start Num: 39

Candidate Starts for Sparkdehlily_3:

(Start: 39 @2256 has 151 MA's), (Start: 45 @2292 has 9 MA's), (Start: 49 @2316 has 1 MA's), (50, 2325), (51, 2331), (52, 2334), (57, 2373), (67, 2439), (68, 2442), (76, 2511), (83, 2550), (85, 2559), (97, 2607), (108, 2667), (118, 2715), (126, 2760), (138, 2805), (140, 2832), (146, 2877), (151, 2898), (152, 2901), (153, 2904), (156, 2925), (157, 2934), (163, 2985), (164, 2988), (167, 2997), (173, 3027), (176, 3048), (184, 3117), (186, 3126), (190, 3177), (191, 3180), (196, 3234), (197, 3240), (198, 3243), (199, 3246), (205, 3303), (213, 3357), (216, 3369), (224, 3402), (226, 3408), (230, 3432), (253, 3576), (258, 3594),

Gene: Spartacus_3 Start: 2243, Stop: 3613, Start Num: 39

Candidate Starts for Spartacus_3:

(Start: 39 @2243 has 151 MA's), (Start: 45 @2279 has 9 MA's), (Start: 49 @2303 has 1 MA's), (50, 2312), (51, 2318), (52, 2321), (57, 2360), (67, 2426), (68, 2429), (76, 2498), (83, 2537), (85, 2546), (97, 2594), (108, 2654), (118, 2702), (126, 2747), (138, 2792), (140, 2819), (146, 2864), (151, 2885), (152, 2888), (153, 2891), (156, 2912), (157, 2921), (163, 2972), (164, 2975), (167, 2984), (173, 3014), (176, 3035), (184, 3104), (186, 3113), (190, 3164), (191, 3167), (197, 3227), (199, 3233), (213, 3344), (216, 3356), (224, 3389), (226, 3395), (230, 3419), (258, 3581),

Gene: SpeedDemon_140 Start: 8140, Stop: 9699, Start Num: 20

Candidate Starts for SpeedDemon_140:

(4, 7426), (5, 7432), (6, 7645), (10, 7774), (11, 7834), (12, 7837), (Start: 20 @8140 has 21 MA's), (63, 8356), (70, 8401), (85, 8506), (103, 8605), (104, 8608), (111, 8635), (123, 8704), (145, 8839), (151, 8872), (152, 8875), (156, 8899), (162, 8950), (179, 9070), (187, 9145), (193, 9208), (197, 9247), (203, 9295), (206, 9319), (217, 9382), (232, 9454), (234, 9469), (245, 9526), (250, 9565), (251, 9577), (252, 9580), (256, 9595), (259, 9604),

Gene: Spoonbill_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for Spoonbill_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: StAnnes_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for StAnnes_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: StarStruck_26 Start: 14578, Stop: 16155, Start Num: 27

Candidate Starts for StarStruck_26:

(Start: 27 @14578 has 30 MA's), (28, 14584), (33, 14602), (46, 14662), (73, 14854), (83, 14932), (88, 14956), (124, 15157), (130, 15190), (144, 15277), (149, 15310), (165, 15412), (168, 15424), (182, 15505), (196, 15646), (209, 15745), (213, 15769), (215, 15778), (228, 15838), (237, 15898), (242, 15922), (243, 15931),

Gene: Stickynote_15 Start: 9569, Stop: 11131, Start Num: 31

Candidate Starts for Stickynote_15:

(Start: 27 @9554 has 30 MA's), (Start: 31 @9569 has 6 MA's), (43, 9632), (48, 9653), (53, 9695), (61, 9755), (62, 9764), (64, 9773), (83, 9908), (102, 10028), (105, 10034), (117, 10097), (119, 10103), (137, 10217), (139, 10238), (147, 10292), (151, 10316), (161, 10391), (164, 10406), (168, 10421), (184, 10526), (186, 10535), (196, 10643), (216, 10775), (229, 10838), (235, 10883), (244, 10928), (245, 10934), (247, 10961), (249, 10970), (251, 10985), (264, 11069),

Gene: Strokeseat_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for Strokeseat_3:

(Start: 39 @2240 has 151 MA's), (Start: 44 @2273 has 2 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (66, 2420), (67, 2423), (68, 2426), (76, 2495), (77, 2501), (83,

2534), (85, 2543), (97, 2591), (108, 2651), (113, 2672), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: Sukkupi_27 Start: 13681, Stop: 15303, Start Num: 16

Candidate Starts for Sukkupi_27:

(Start: 16 @13681 has 7 MA's), (Start: 27 @13726 has 30 MA's), (33, 13750), (37, 13759), (136, 14365), (143, 14410), (161, 14542), (168, 14572), (182, 14653), (192, 14749), (195, 14779), (196, 14794), (213, 14917), (215, 14926), (223, 14962), (228, 14986), (239, 15052), (242, 15070), (243, 15079), (249, 15124),

Gene: SuperGrey_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for SuperGrey_3:

(Start: 39 @2255 has 151 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (66, 2435), (67, 2438), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: SuperSulley_26 Start: 14757, Stop: 16334, Start Num: 27

Candidate Starts for SuperSulley_26:

(Start: 27 @14757 has 30 MA's), (28, 14763), (32, 14778), (33, 14781), (73, 15033), (83, 15111), (88, 15135), (124, 15336), (130, 15369), (136, 15396), (144, 15456), (165, 15591), (168, 15603), (182, 15684), (192, 15780), (196, 15825), (209, 15924), (213, 15948), (215, 15957), (228, 16017), (237, 16077), (240, 16089), (242, 16101), (243, 16110), (248, 16149),

Gene: SwagPigglett_3 Start: 2241, Stop: 3611, Start Num: 39

Candidate Starts for SwagPigglett_3:

(Start: 39 @2241 has 151 MA's), (Start: 45 @2277 has 9 MA's), (Start: 49 @2301 has 1 MA's), (50, 2310), (51, 2316), (52, 2319), (57, 2358), (67, 2424), (68, 2427), (76, 2496), (83, 2535), (85, 2544), (97, 2592), (108, 2652), (118, 2700), (126, 2745), (138, 2790), (140, 2817), (146, 2862), (151, 2883), (152, 2886), (153, 2889), (156, 2910), (157, 2919), (163, 2970), (164, 2973), (167, 2982), (173, 3012), (176, 3033), (184, 3102), (186, 3111), (190, 3162), (191, 3165), (197, 3225), (199, 3231), (207, 3309), (213, 3342), (216, 3354), (226, 3393), (230, 3417), (258, 3579),

Gene: TDanisky_3 Start: 2256, Stop: 3626, Start Num: 39

Candidate Starts for TDanisky_3:

(Start: 39 @2256 has 151 MA's), (Start: 45 @2292 has 9 MA's), (Start: 49 @2316 has 1 MA's), (50, 2325), (51, 2331), (52, 2334), (57, 2373), (67, 2439), (68, 2442), (76, 2511), (83, 2550), (85, 2559), (97, 2607), (108, 2667), (118, 2715), (126, 2760), (138, 2805), (140, 2832), (146, 2877), (151, 2898), (152, 2901), (153, 2904), (156, 2925), (157, 2934), (163, 2985), (164, 2988), (167, 2997), (173, 3027), (176, 3048), (184, 3117), (186, 3126), (190, 3177), (191, 3180), (196, 3234), (197, 3240), (198, 3243), (199, 3246), (205, 3303), (213, 3357), (216, 3369), (224, 3402), (226, 3408), (230, 3432), (253, 3576), (258, 3594),

Gene: Taj_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Taj_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152,

2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Toniann_31 Start: 10389, Stop: 12005, Start Num: 20

Candidate Starts for Toniann_31:

(Start: 20 @10389 has 21 MA's), (38, 10440), (40, 10449), (Start: 49 @10509 has 1 MA's), (57, 10566), (63, 10602), (70, 10647), (74, 10674), (103, 10878), (111, 10908), (116, 10944), (125, 10989), (127, 10998), (131, 11013), (151, 11151), (152, 11154), (155, 11172), (156, 11178), (160, 11220), (185, 11412), (194, 11499), (197, 11529), (202, 11574), (209, 11622), (211, 11637), (227, 11700), (230, 11724), (231, 11730), (233, 11739), (245, 11808), (251, 11859), (252, 11862), (255, 11874),

Gene: Towmatter_13 Start: 6567, Stop: 8132, Start Num: 20

Candidate Starts for Towmatter_13:

(Start: 20 @6567 has 21 MA's), (38, 6618), (63, 6783), (70, 6828), (79, 6903), (80, 6906), (85, 6933), (99, 7014), (103, 7032), (104, 7035), (121, 7113), (125, 7143), (145, 7266), (156, 7326), (164, 7389), (179, 7497), (193, 7635), (197, 7674), (203, 7722), (206, 7746), (217, 7809), (238, 7914), (245, 7953), (251, 8004), (252, 8007), (255, 8019),

Gene: Tracker_25 Start: 13700, Stop: 15289, Start Num: 27

Candidate Starts for Tracker_25:

(Start: 27 @13700 has 30 MA's), (28, 13706), (32, 13721), (36, 13730), (46, 13784), (73, 13976), (83, 14054), (88, 14078), (93, 14108), (130, 14312), (136, 14339), (139, 14366), (152, 14456), (161, 14528), (164, 14543), (168, 14558), (182, 14639), (196, 14780), (209, 14879), (211, 14894), (213, 14903), (215, 14912), (223, 14948), (228, 14972), (242, 15056), (243, 15065), (249, 15110),

Gene: Turuncu_29 Start: 15070, Stop: 16647, Start Num: 27

Candidate Starts for Turuncu_29:

(Start: 27 @15070 has 30 MA's), (73, 15346), (130, 15682), (144, 15769), (161, 15886), (168, 15916), (182, 15997), (196, 16138), (209, 16237), (213, 16261), (215, 16270), (223, 16306), (228, 16330), (242, 16414), (243, 16423), (249, 16468),

Gene: Tweety_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Tweety_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (207, 3323), (213, 3356), (216, 3368), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: VRedHorse_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for VRedHorse_3:

(Start: 39 @2240 has 151 MA's), (Start: 44 @2273 has 2 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (66, 2420), (67, 2423), (68, 2426), (76, 2495), (77, 2501), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (113, 2672), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (196, 3218), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (253, 3560), (258, 3578),

Gene: VWB_3 Start: 2318, Stop: 3622, Start Num: 56

Candidate Starts for VWB_3:

(35, 2189), (56, 2318), (71, 2405), (74, 2429), (87, 2510), (89, 2519), (91, 2525), (94, 2546), (106, 2609), (119, 2672), (121, 2678), (127, 2717), (142, 2798), (148, 2828), (150, 2846), (154, 2870), (164, 2933), (171, 2957), (181, 3041), (182, 3065), (183, 3083), (193, 3170), (194, 3179), (205, 3272), (206, 3281), (212, 3323), (219, 3353), (227, 3380), (230, 3404), (231, 3410), (241, 3467), (246, 3503), (247, 3515), (262, 3590),

Gene: Veteran_3 Start: 2256, Stop: 3626, Start Num: 39

Candidate Starts for Veteran_3:

(Start: 39 @2256 has 151 MA's), (Start: 44 @2289 has 2 MA's), (Start: 49 @2316 has 1 MA's), (50, 2325), (51, 2331), (52, 2334), (57, 2373), (66, 2436), (67, 2439), (68, 2442), (76, 2511), (77, 2517), (83, 2550), (85, 2559), (97, 2607), (108, 2667), (118, 2715), (126, 2760), (138, 2805), (140, 2832), (146, 2877), (151, 2898), (152, 2901), (153, 2904), (156, 2925), (157, 2934), (163, 2985), (164, 2988), (167, 2997), (173, 3027), (176, 3048), (184, 3117), (186, 3126), (190, 3177), (191, 3180), (197, 3240), (199, 3246), (207, 3324), (213, 3357), (216, 3369), (226, 3408), (230, 3432), (258, 3594),

Gene: Violac_3 Start: 2272, Stop: 3609, Start Num: 44

Candidate Starts for Violac_3:

(Start: 39 @2239 has 151 MA's), (Start: 44 @2272 has 2 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (66, 2419), (67, 2422), (68, 2425), (76, 2494), (77, 2500), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (213, 3340), (216, 3352), (224, 3385), (226, 3391), (230, 3415), (258, 3577),

Gene: Vivum_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for Vivum_3:

(Start: 39 @2240 has 151 MA's), (Start: 44 @2273 has 2 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (175, 3029), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: Wachhund_3 Start: 2240, Stop: 3598, Start Num: 39

Candidate Starts for Wachhund_3:

(Start: 39 @2240 has 151 MA's), (Start: 44 @2273 has 2 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (66, 2420), (67, 2423), (68, 2426), (76, 2495), (77, 2501), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (113, 2672), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (194, 3194), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: Wee_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Wee_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Whatsapiecost_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for Whatsapiecost_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (198, 3242), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Wheezy_25 Start: 13903, Stop: 15492, Start Num: 27

Candidate Starts for Wheezy_25:

(Start: 27 @13903 has 30 MA's), (28, 13909), (32, 13924), (36, 13933), (46, 13987), (73, 14179), (83, 14257), (88, 14281), (93, 14311), (130, 14515), (136, 14542), (152, 14659), (161, 14731), (164, 14746), (168, 14761), (182, 14842), (196, 14983), (209, 15082), (211, 15097), (213, 15106), (215, 15115), (223, 15151), (228, 15175), (242, 15259), (243, 15268), (249, 15313),

Gene: WhoseManz_27 Start: 11741, Stop: 13363, Start Num: 16

Candidate Starts for WhoseManz_27:

(1, 10973), (2, 11045), (3, 11048), (7, 11294), (8, 11357), (9, 11405), (Start: 16 @11741 has 7 MA's), (Start: 27 @11786 has 30 MA's), (37, 11819), (136, 12425), (143, 12470), (161, 12602), (168, 12632), (182, 12713), (192, 12809), (195, 12839), (196, 12854), (213, 12977), (215, 12986), (223, 13022), (228, 13046), (239, 13112), (242, 13130), (243, 13139), (249, 13184),

Gene: Whouxphf_3 Start: 2273, Stop: 3598, Start Num: 44

Candidate Starts for Whouxphf_3:

(Start: 39 @2240 has 151 MA's), (Start: 44 @2273 has 2 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (66, 2420), (67, 2423), (68, 2426), (76, 2495), (77, 2501), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (113, 2672), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (224, 3386), (226, 3392), (230, 3416), (253, 3560),

Gene: WillSterrel_3 Start: 2243, Stop: 3613, Start Num: 39

Candidate Starts for WillSterrel_3:

(Start: 39 @2243 has 151 MA's), (Start: 45 @2279 has 9 MA's), (Start: 49 @2303 has 1 MA's), (50, 2312), (51, 2318), (52, 2321), (57, 2360), (67, 2426), (68, 2429), (76, 2498), (83, 2537), (85, 2546), (97, 2594), (108, 2654), (118, 2702), (126, 2747), (138, 2792), (140, 2819), (146, 2864), (151, 2885), (152, 2888), (153, 2891), (156, 2912), (157, 2921), (163, 2972), (164, 2975), (167, 2984), (173, 3014), (176, 3035), (184, 3104), (186, 3113), (190, 3164), (191, 3167), (197, 3227), (199, 3233), (213, 3344), (216, 3356), (224, 3389), (226, 3395), (230, 3419), (258, 3581),

Gene: WilliamBoone_31 Start: 9788, Stop: 11401, Start Num: 20

Candidate Starts for WilliamBoone_31:

(Start: 20 @9788 has 21 MA's), (38, 9839), (40, 9848), (Start: 49 @9908 has 1 MA's), (50, 9917), (57, 9965), (62, 9998), (63, 10001), (70, 10046), (74, 10073), (103, 10277), (111, 10307), (116, 10343), (119, 10352), (125, 10388), (127, 10397), (131, 10412), (152, 10553), (155, 10571), (156, 10577), (160, 10619), (184, 10805), (185, 10811), (197, 10928), (202, 10973), (209, 11021), (227, 11099), (230, 11123), (231, 11129), (233, 11138), (245, 11207), (246, 11222), (251, 11258), (252, 11261), (255, 11273), (257, 11279),

Gene: XFactor_3 Start: 2255, Stop: 3625, Start Num: 39

Candidate Starts for XFactor_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (67, 2438), (68, 2441), (76, 2510), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (118, 2714), (126, 2759), (138, 2804), (140, 2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (196, 3233), (197, 3239), (199, 3245), (205, 3302), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575), (258, 3593),

Gene: Yndexa_27 Start: 13681, Stop: 15303, Start Num: 16

Candidate Starts for Yndexa_27:

(Start: 16 @13681 has 7 MA's), (Start: 27 @13726 has 30 MA's), (33, 13750), (37, 13759), (136, 14365), (143, 14410), (161, 14542), (168, 14572), (182, 14653), (192, 14749), (195, 14779), (196, 14794), (213, 14917), (215, 14926), (223, 14962), (228, 14986), (239, 15052), (242, 15070), (243, 15079), (249, 15124),

Gene: Yorick_3 Start: 2239, Stop: 3609, Start Num: 39

Candidate Starts for Yorick_3:

(Start: 39 @2239 has 151 MA's), (Start: 45 @2275 has 9 MA's), (Start: 49 @2299 has 1 MA's), (50, 2308), (51, 2314), (52, 2317), (57, 2356), (67, 2422), (68, 2425), (76, 2494), (83, 2533), (85, 2542), (97, 2590), (108, 2650), (118, 2698), (126, 2743), (138, 2788), (140, 2815), (146, 2860), (151, 2881), (152, 2884), (153, 2887), (156, 2908), (157, 2917), (163, 2968), (164, 2971), (167, 2980), (173, 3010), (176, 3031), (184, 3100), (186, 3109), (190, 3160), (191, 3163), (197, 3223), (199, 3229), (207, 3307), (213, 3340), (216, 3352), (226, 3391), (230, 3415), (258, 3577),

Gene: Yvonnetastic_29 Start: 12189, Stop: 13751, Start Num: 20

Candidate Starts for Yvonnetastic_29:

(13, 12105), (Start: 20 @12189 has 21 MA's), (38, 12240), (40, 12249), (57, 12366), (62, 12399), (70, 12447), (71, 12450), (73, 12465), (74, 12474), (82, 12534), (86, 12555), (98, 12612), (103, 12678), (105, 12684), (111, 12708), (115, 12741), (126, 12795), (127, 12798), (145, 12918), (155, 12972), (156, 12978), (164, 13041), (179, 13149), (195, 13308), (197, 13329), (202, 13374), (205, 13392), (214, 13452), (217, 13464), (218, 13467), (250, 13647), (252, 13662), (256, 13677),

Gene: Zerg_3 Start: 2240, Stop: 3610, Start Num: 39

Candidate Starts for Zerg_3:

(Start: 39 @2240 has 151 MA's), (Start: 45 @2276 has 9 MA's), (Start: 49 @2300 has 1 MA's), (50, 2309), (51, 2315), (52, 2318), (57, 2357), (67, 2423), (68, 2426), (76, 2495), (83, 2534), (85, 2543), (97, 2591), (108, 2651), (118, 2699), (126, 2744), (138, 2789), (140, 2816), (146, 2861), (151, 2882), (152, 2885), (153, 2888), (156, 2909), (157, 2918), (163, 2969), (164, 2972), (167, 2981), (173, 3011), (176, 3032), (184, 3101), (186, 3110), (190, 3161), (191, 3164), (197, 3224), (199, 3230), (207, 3308), (213, 3341), (216, 3353), (226, 3392), (230, 3416), (258, 3578),

Gene: Zion_13 Start: 8757, Stop: 10319, Start Num: 31

Candidate Starts for Zion_13:

(Start: 27 @8742 has 30 MA's), (Start: 31 @8757 has 6 MA's), (43, 8820), (48, 8841), (53, 8883), (61, 8943), (62, 8952), (64, 8961), (70, 9000), (83, 9096), (102, 9216), (105, 9222), (117, 9285), (119, 9291), (137, 9405), (139, 9426), (147, 9480), (151, 9504), (161, 9579), (164, 9594), (168, 9609), (184, 9714), (186, 9723), (196, 9831), (216, 9963), (229, 10026), (235, 10071), (244, 10116), (245, 10122), (247, 10149), (249, 10158), (251, 10173), (264, 10257),

Gene: Zizzle_3 Start: 2255, Stop: 3613, Start Num: 39

Candidate Starts for Zizzle_3:

(Start: 39 @2255 has 151 MA's), (Start: 45 @2291 has 9 MA's), (Start: 49 @2315 has 1 MA's), (50, 2324), (51, 2330), (52, 2333), (57, 2372), (66, 2435), (67, 2438), (68, 2441), (76, 2510), (77, 2516), (83, 2549), (85, 2558), (97, 2606), (108, 2666), (113, 2687), (118, 2714), (126, 2759), (138, 2804), (140,

2831), (146, 2876), (151, 2897), (152, 2900), (153, 2903), (156, 2924), (157, 2933), (163, 2984), (164, 2987), (167, 2996), (173, 3026), (176, 3047), (184, 3116), (186, 3125), (190, 3176), (191, 3179), (197, 3239), (199, 3245), (213, 3356), (216, 3368), (224, 3401), (226, 3407), (230, 3431), (253, 3575),