

[illegible]

001: Nimi	27	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
002: Bianchi	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
003: Lanning	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
004: Neve	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
005: Suckers	27	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
006: Jams	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
007: Kaselo	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
008: Woes	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
009: Mirvols	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
010: Kvoth	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
011: Nragan	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
012: ASerp	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
013: Teech	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
014: Vitaen	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
015: Teate	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
016: Demos	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
017: Follow	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
018: Gibbs	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
019: Robin	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
020: Jumbo	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0	3	2	28
021: Camenco	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
022: Muggerhurs	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
023: Magline	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
024: Moo	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0
025: DocB	23	6'7"	230	PF	OKC	11	10	2	1	0	3	2	28	11/20	5/7	2/5	11.0	10.0	2.0	1.0	0.0	3.0	2.0	28.0

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 321032 Report

This analysis was run 09/05/26 on database version 662.

Pham number 321032 has 223 members, 15 are drafts.

Phages represented in each track:

- Track 1 : Persimmon_95, Braelyn_97, Bartholomune_95, FreddyDRoo_95, PinkiePie_95, Liandry_95, Eliot67_94, Squillum_96, NootNoot_92
- Track 2 : Evy_96, Targaryen_96
- Track 3 : WashU_95, Peebs_95, Sushi23_95, Pepperwood_96
- Track 4 : Jay2Jay_100, Warpy_99
- Track 5 : Riptide_93
- Track 6 : Angela_94, LilMartin_94, MulchMansion_94
- Track 7 : Cadmus_94
- Track 8 : Bmoc_95
- Track 9 : Cross_96, Cursive_94, ArianaSWT_100, Teutsch_96, Tribute_94, Lululemon_95, Coogler_96, Leo04_97, PacManQ_95, HangryHippo_96, Watermoore_95, BlueOtter_96, Scheme_97, Samisti12_96, Larnav_96
- Track 10 : Daubenski_98
- Track 11 : Mildred21_95
- Track 12 : Davielle_94, Navo_94, WhereRU_93
- Track 13 : Paradiddles_92
- Track 14 : Shuckle_94
- Track 15 : PynkPanther_95
- Track 16 : Anedea_96
- Track 17 : Marsus_95
- Track 18 : EGole_97
- Track 19 : LilSaint_95
- Track 20 : IchabodCrane_97, Bordeaux_98, Spelly_100, Quarant19_99, SaltySpittoon_99, PumpkinSpice_99, Rikishi_99, Battuta_98, Jollison_99, JimJam_100
- Track 21 : Tomas_101
- Track 22 : Sollertia_100, Genie2_100, BoomerJR_100
- Track 23 : Amabiko_100, CeilingFan_99, MindFlayer_97, Starbow_98, TomSawyer_98, Daisy123_103, KentuckyRacer_100, Tuesday_103
- Track 24 : Gibbi_104
- Track 25 : Enygma_100
- Track 26 : AngryGiraffe_99
- Track 27 : AcciDwight_103
- Track 28 : Spilled_101, Brizzy_99
- Track 29 : Elmer_101, Wofford_98
- Track 30 : Wipeout_97
- Track 31 : Stanimal_100, Yaboi_100

- Track 32 : StarPlatinum_100
- Track 33 : LukeCage_99
- Track 34 : Karimac_99
- Track 35 : Mugiwara_99
- Track 36 : Birchlyn_97
- Track 37 : Gilson_89, Maupel_88
- Track 38 : Forrest_92
- Track 39 : Comrade_88, SparkleGoddess_88
- Track 40 : Kenrey_90
- Track 41 : Karp_86
- Track 42 : MeganTheeKilla_87, Jada_89, Emma1919_90
- Track 43 : DeluluLabubu_88
- Track 44 : Blueeyedbeauty_87
- Track 45 : Francob_87
- Track 46 : Annadreamy_86, Limpid_85
- Track 47 : Phredrick_88
- Track 48 : Belfort_90
- Track 49 : TunaTartare_87
- Track 50 : Stigma_87
- Track 51 : Faust_88, SeresaTree_88
- Track 52 : Beuffert_85
- Track 53 : Moab_88
- Track 54 : Patelgo_88
- Track 55 : Westy_89
- Track 56 : Sham_82
- Track 57 : Wakanda_78
- Track 58 : BillNye_77
- Track 59 : Muntaha_80
- Track 60 : Chaewon_81
- Track 61 : Circinus_78
- Track 62 : Weasels2_114
- Track 63 : Grayson_114
- Track 64 : Peregrin_112
- Track 65 : Trina_116
- Track 66 : NiceHouse_103
- Track 67 : Dorin_90
- Track 68 : Francesca_90
- Track 69 : Nova53_86
- Track 70 : Srilaccoli3_14
- Track 71 : Reynauld_15
- Track 72 : GMA7_2, HayZem_11, Amore2_11
- Track 73 : Austin_11
- Track 74 : GTE7_2
- Track 75 : Diabla_9
- Track 76 : Chelms_10
- Track 77 : Flakey_10, Ekhein_10, Lizzo_10, Sombrero_10, Hotorobo_10, Beaver_10, CathyBurgh_10, Msay19_11, Poland_11, Monty_9, BirksAndSocks_10
- Track 78 : Boneham_10, Butterball_10
- Track 79 : Barbochs_10, RemRem_10
- Track 80 : Gorko_10
- Track 81 : Exiguo_10, Sam12_10
- Track 82 : PokyPuppy_9
- Track 83 : Eggsie_10

- Track 84 : Breezic_10
- Track 85 : John316_10
- Track 86 : BenoitCattle_10
- Track 87 : Crete_11
- Track 88 : Dakiti_10, PierreThree_10
- Track 89 : Squibbles_10
- Track 90 : GourdThymes_10
- Track 91 : FelixAlejandro_11
- Track 92 : Kelzog_10
- Track 93 : SteveFrench_9
- Track 94 : Adgers_11
- Track 95 : BigShaq_10
- Track 96 : Linetti_11
- Track 97 : Jellybones_10, BillyBobJr_11, CinnamonToast_11
- Track 98 : Worcestershire_10
- Track 99 : RoyalG_11
- Track 100 : Lidong_7, Hello_7, GalacticEye_7, Charianelly_7, Berries_7
- Track 101 : Nimi13_7
- Track 102 : Bianmat_7
- Track 103 : Lahirium_7, Hail2Pitt_7, Anamika_7
- Track 104 : Neoevie_7, Jormungandr_7, Harambe_7
- Track 105 : Sticker17_7
- Track 106 : Jams_7, Teal_7, Guillaume_7, Damp_7, Newt_7
- Track 107 : Kaseim_7, Minos_7, Shelley_7, Luker_7
- Track 108 : Woes_7
- Track 109 : MrWormie_7
- Track 110 : Kvothe_10, Katyusha_10, Benczkowski14_10
- Track 111 : Niagara_10
- Track 112 : ASerpRocky_10
- Track 113 : Teech_10
- Track 114 : Vitaenōii_10, Philon9_10
- Track 115 : Teatealatte_10, Tredge_10
- Track 116 : Demosthenes_10
- Track 117 : Hollow_10
- Track 118 : Gibbles_9, Kampe_10, Orchid_10, PatrickStar_10
- Track 119 : RobinSparkles_14
- Track 120 : Jumbo_7
- Track 121 : Camerico_10
- Track 122 : Trogglehumper_29
- Track 123 : Magritte_12
- Track 124 : Mbo2_2
- Track 125 : DocB7_003

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

The start number called the most often in the published annotations is 19, it was called in 99 of the 208 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ASerpRocky_10, Adgers_11, Amabiko_100, Amore2_11, Anamika_7, AngryGiraffe_99, Barbochs_10, Beaver_10, Belfort_90, Benczkowski14_10, BenoitCattle_10, Berries_7, Bianmat_7, BigShaq_10, BillyBobJr_11, BirksAndSocks_10, Boneham_10, BoomerJR_100, Breezic_10, Brizzy_99, Butterball_10, CathyBurgh_10, CeilingFan_99, Charianelly_7, Chelms_10, CinnamonToast_11, Comrade_88, Crete_11, Daisy123_103, Dakiti_10, Damp_7, Demosthenes_10, Diabla_9, Eggsie_10, Ekhein_10, Exiguo_10, Faust_88, FelixAlejandro_11, Flakey_10, GMA7_2, GalacticEye_7, Genie2_100, Gibbi_104, Gorko_10, GourdThymes_10, Guillaume_7, Hail2Pitt_7, Harambe_7, HayZem_11, Hello_7, Hollow_10, Hotorobo_10, Jams_7, Jellybones_10, John316_10, Jormungandr_7, Karp_86, Kaseim_7, Katyusha_10, Kelzog_10, KentuckyRacer_100, Kvothe_10, Lahirium_7, Lidong_7, Linetti_11, Lizzo_10, Luker_7, MindFlayer_97, Minos_7, Monty_9, MrWormie_7, Msay19_11, Neoëvie_7, Newt_7, Niagara_10, Nimi13_7, Philon9_10, PierreThree_10, PokyPuppy_9, Poland_11, RemRem_10, RoyalG_11, Sam12_10, SeresaTree_88, Sham_82, Shelley_7, Sollertia_100, Sombrero_10, SparkleGoddess_88, Spilled_101, Squibbles_10, Starbow_98, SteveFrench_9, Sticker17_7, Stigma_87, Teal_7, Teatealatte_10, Teech_10, TomSawyer_98, Tredge_10, Tuesday_103, TunaTartare_87, Vitaenoi_10, Westy_89, Wipeout_97, Woes_7, Worcestershire_10,

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

- AcciDwight_103, Austin_11, Battuta_98, Birchlyn_97, Bordeaux_98, Enyigma_100, GTE7_2, IchabodCrane_97, JimJam_100, Jollison_99, Karimac_99, LukeCage_99, Mugiwara_99, NiceHouse_103, PumpkinSpice_99, Quarant19_99, Rikishi_99, SaltySpittoon_99, Spelly_100, Stanimal_100, StarPlatinum_100, Tomas_101, Yaboi_100,

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

- Anedea_96, Angela_94, Annadreamy_86, ArianaSWT_100, Bartholomune_95, Beuffert_85, BillNye_77, BlueOtter_96, Blueeyedbeauty_87, Bmoc_95, Braelyn_97, Cadmus_94, Camerico_10, Chaewon_81, Circinus_78, Coogler_96, Cross_96, Cursive_94, Daubenski_98, Davielle_94, DeluluLabubu_88, DocB7_003, Dorin_90, EGole_97, Eliot67_94, Elmer_101, Emma1919_90, Evy_96, Forrest_92, Francesca_90, Francob_87, FreddyDRoo_95, Gibbles_9, Gilson_89, Grayson_114, HangryHippo_96, Jada_89, Jay2Jay_100, Jumbo_7, Kampe_10, Kenrey_90, Larnav_96, Leo04_97, Liandry_95, LilMartin_94, LilSaint_95, Limpid_85, Lululemon_95, Magritte_12, Marsus_95, Maupel_88, Mbo2_2, MeganTheeKilla_87, Mildred21_95, Moab_88, MulchMansion_94, Muntaha_80, Navo_94, NootNoot_92, Nova53_86, Orchid_10, PacManQ_95, Paradiddles_92, Patelgo_88, PatrickStar_10, Peebs_95, Pepperwood_96, Peregrin_112, Persimmon_95, Phredrick_88, PinkiePie_95, PynkPanther_95, Reynauld_15, Riptide_93, RobinSparkles_14, Samisti12_96, Scheme_97, Shuckle_94, Squillium_96, Srilacoli3_14, Sushi23_95, Targaryen_96, Deutsch_96, Tribute_94, Trina_116, Trogglehumper_29, Wakanda_78, Warpy_99, WashU_95, Watermoore_95, Weasels2_114, WhereRU_93, Wofford_98,

Summary by start number:

Start 1:

- Found in 1 of 223 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 208
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Camerico_10 (DF4),

Start 2:

- Found in 1 of 223 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 208
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jumbo_7 (DF3),

Start 3:

- Found in 5 of 223 (2.2%) of genes in pham
- Manual Annotations of this start: 5 of 208
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gibbles_9 (CX), Kampe_10 (CX), Orchid_10 (CX), PatrickStar_10 (CX), RobinSparkles_14 (CX),

Start 5:

- Found in 4 of 223 (1.8%) of genes in pham
- Manual Annotations of this start: 3 of 208
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mbo2_2 (singleton), Reynauld_15 (CH), Srilaccoli3_14 (CH), Trogglehumper_29 (singleton),

Start 9:

- Found in 1 of 223 (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: DocB7_003 (singleton),

Start 10:

- Found in 2 of 223 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 208
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Magritte_12 (singleton),

Start 13:

- Found in 11 of 223 (4.9%) of genes in pham
- Manual Annotations of this start: 4 of 208
- Called 45.5% of time when present
- Phage (with cluster) where this start called: DeluluLabubu_88 (BK1), Gilson_89 (BK1), Kenrey_90 (BK1), Maupel_88 (BK1), Phredrick_88 (BK1),

Start 14:

- Found in 5 of 223 (2.2%) of genes in pham
- Manual Annotations of this start: 4 of 208
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Annadreamy_86 (BK1), Beuffert_85 (BK1), Limpid_85 (BK1), Moab_88 (BK1),

Start 18:

- Found in 3 of 223 (1.3%) of genes in pham
- Manual Annotations of this start: 3 of 208
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Grayson_114 (CB), Peregrin_112 (CB), Weasels2_114 (CB),

Start 19:

- Found in 130 of 223 (58.3%) of genes in pham
- Manual Annotations of this start: 99 of 208
- Called 82.3% of time when present
- Phage (with cluster) where this start called: ASerpRocky_10 (CS4), Adgers_11 (CS2), Amabiko_100 (BE2), Amore2_11 (CS1), Anamika_7 (CS3), AngryGiraffe_99 (BE2), Barbochs_10 (CS2), Beaver_10 (CS2), Belfort_90 (BK1), Benczkowski14_10 (CS4), BenoitCattle_10 (CS2), Berries_7 (CS3), Bianmat_7 (CS3), BigShaq_10 (CS2), BillyBobJr_11 (CS2), BirksAndSocks_10 (CS2), Boneham_10 (CS2), BoomerJR_100 (BE2), Breezic_10 (CS2), Brizzy_99 (BE2), Butterball_10 (CS2), CathyBurgh_10 (CS2), CeilingFan_99 (BE2), Charianelly_7 (CS3), Chelms_10 (CS2), CinnamonToast_11 (CS2), Comrade_88 (BK1), Crete_11 (CS2), Daisy123_103 (BE2), Dakiti_10 (CS2), Damp_7 (CS3), Demosthenes_10 (CS4), Diabla_9 (CS2), Eggsie_10 (CS2), Ekhein_10 (CS2), Exiguo_10 (CS2), Faust_88 (BK1), FelixAlejandro_11 (CS2), Flakey_10 (CS2), GMA7_2 (CS1), GalacticEye_7 (CS3), Genie2_100 (BE2), Gibbi_104 (BE2), Gorko_10 (CS2), GourdThymes_10 (CS2), Guillaume_7 (CS3), Hail2Pitt_7 (CS3), Harambe_7 (CS3), HayZem_11 (CS1), Hello_7 (CS3), Hollow_10 (CS4), Hotorobo_10 (CS2), Jams_7 (CS3), Jellybones_10 (CS2), John316_10 (CS2), Jormungandr_7 (CS3), Karp_86 (BK1), Kaseim_7 (CS3), Katyusha_10 (CS4), Kelzog_10 (CS2), KentuckyRacer_100 (BE2), Kvothe_10 (CS4), Lahirium_7 (CS3), Lidong_7 (CS3), Linetti_11 (CS2), Lizzo_10 (CS2), Luker_7 (CS3), MindFlayer_97 (BE2), Minos_7 (CS3), Monty_9 (CS2), MrWormie_7 (CS3), Msay19_11 (CS2), Neoevie_7 (CS3), Newt_7 (CS3), Niagara_10 (CS4), Nimi13_7 (CS3), Philon9_10 (CS4), PierreThree_10 (CS2), PokyPuppy_9 (CS2), Poland_11 (CS2), RemRem_10 (CS2), RoyalG_11 (CS2), Sam12_10 (CS2), SeresaTree_88 (BK1), Sham_82 (BK1), Shelley_7 (CS3), Sollertia_100 (BE2), Sombrero_10 (CS2), SparkleGoddess_88 (BK1), Spilled_101 (BE2), Squibbles_10 (CS2), Starbow_98 (BE2), SteveFrench_9 (CS2), Sticker17_7 (CS3), Stigma_87 (BK1), Teal_7 (CS3), Teatealatte_10 (CS4), Teech_10 (CS4), TomSawyer_98 (BE2), Tredge_10 (CS4), Tuesday_103 (BE2), TunaTartare_87 (BK1), Vitaenoi_10 (CS4), Westy_89 (BK1), Wipeout_97 (BE2), Woes_7 (CS3), Worcestershire_10 (CS2),

Start 20:

- Found in 4 of 223 (1.8%) of genes in pham
- Manual Annotations of this start: 1 of 208
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Blueeyedbeauty_87 (BK1),

Start 21:

- Found in 106 of 223 (47.5%) of genes in pham
- Manual Annotations of this start: 80 of 208
- Called 78.3% of time when present
- Phage (with cluster) where this start called: AcciDwight_103 (BE2), Anedea_96 (BE1), Angela_94 (BE1), ArianaSWT_100 (BE1), Bartholomune_95 (BE1), Battuta_98 (BE2), BillNye_77 (BK2), Birchlyn_97 (BE2), BlueOtter_96 (BE1), Bmoc_95 (BE1), Bordeaux_98 (BE2), Braelyn_97 (BE1), Cadmus_94 (BE1), Chaewon_81 (BK2), Circinus_78 (BK2), Coogler_96 (BE1), Cross_96 (BE1), Cursive_94 (BE1), Daubenski_98 (BE1), Davielle_94 (BE1), EGole_97 (BE1), Eliot67_94 (BE1), Elmer_101 (BE2), Emma1919_90 (BK1), Enygma_100 (BE2), Evy_96 (BE1), Forrest_92 (BK1), Francob_87 (BK1), FreddyDRoo_95 (BE1), HangryHippo_96 (BE1), IchabodCrane_97 (BE2), Jada_89 (BK1), Jay2Jay_100 (BE1), JimJam_100 (BE2), Jollison_99 (BE2), Karimac_99 (BE2), Larnav_96 (BE1),

Leo04_97 (BE1), Liandry_95 (BE1), LilMartin_94 (BE1), LilSaint_95 (BE1), LukeCage_99 (BE2), Lululemon_95 (BE1), Marsus_95 (BE1), MeganTheeKilla_87 (BK1), Mildred21_95 (BE1), Mugiware_99 (BE2), MulchMansion_94 (BE1), Muntaha_80 (BK2), Navo_94 (BE1), NootNoot_92 (BE1), PacManQ_95 (BE1), Paradiddles_92 (BE1), Patelgo_88 (BK1), Peebs_95 (BE1), Pepperwood_96 (BE1), Persimmon_95 (BE1), PinkiePie_95 (BE1), PumpkinSpice_99 (BE2), PynkPanther_95 (BE1), Quarant19_99 (BE2), Rikishi_99 (BE2), Riptide_93 (BE1), SaltySpittoon_99 (BE2), Samisti12_96 (BE1), Scheme_97 (BE1), Shuckle_94 (BE1), Spelly_100 (BE2), Squillium_96 (BE1), Stanimal_100 (BE2), StarPlatinum_100 (BE2), Sushi23_95 (BE1), Targaryen_96 (BE1), Deutsch_96 (BE1), Tomas_101 (BE2), Tribute_94 (BE1), Wakanda_78 (BK2), Warpy_99 (BE1), WashU_95 (BE1), Watermoore_95 (BE1), WhereRU_93 (BE1), Wofford_98 (BE2), Yaboi_100 (BE2),

Start 22:

- Found in 4 of 223 (1.8%) of genes in pham
- Manual Annotations of this start: 4 of 208
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dorin_90 (CG), Francesca_90 (CG), NiceHouse_103 (CE), Trina_116 (CE),

Start 23:

- Found in 1 of 223 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 208
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nova53_86 (CG),

Start 27:

- Found in 52 of 223 (23.3%) of genes in pham
- Manual Annotations of this start: 1 of 208
- Called 3.8% of time when present
- Phage (with cluster) where this start called: Austin_11 (CS1), GTE7_2 (CS1),

Summary by clusters:

There are 16 clusters represented in this pham: singleton, CH, DF3, CB, CG, CE, CX, BK1, BK2, DF4, BE2, CS4, BE1, CS1, CS3, CS2,

Info for manual annotations of cluster BE1:

- Start number 21 was manually annotated 48 times for cluster BE1.

Info for manual annotations of cluster BE2:

- Start number 19 was manually annotated 13 times for cluster BE2.
- Start number 21 was manually annotated 21 times for cluster BE2.

Info for manual annotations of cluster BK1:

- Start number 13 was manually annotated 4 times for cluster BK1.
- Start number 14 was manually annotated 4 times for cluster BK1.
- Start number 19 was manually annotated 9 times for cluster BK1.
- Start number 20 was manually annotated 1 time for cluster BK1.
- Start number 21 was manually annotated 6 times for cluster BK1.

Info for manual annotations of cluster BK2:

- Start number 21 was manually annotated 5 times for cluster BK2.

Info for manual annotations of cluster CB:

- Start number 18 was manually annotated 3 times for cluster CB.

Info for manual annotations of cluster CE:

- Start number 22 was manually annotated 2 times for cluster CE.

Info for manual annotations of cluster CG:

- Start number 22 was manually annotated 2 times for cluster CG.
- Start number 23 was manually annotated 1 time for cluster CG.

Info for manual annotations of cluster CH:

- Start number 5 was manually annotated 2 times for cluster CH.

Info for manual annotations of cluster CS1:

- Start number 19 was manually annotated 2 times for cluster CS1.
- Start number 27 was manually annotated 1 time for cluster CS1.

Info for manual annotations of cluster CS2:

- Start number 19 was manually annotated 38 times for cluster CS2.

Info for manual annotations of cluster CS3:

- Start number 19 was manually annotated 25 times for cluster CS3.

Info for manual annotations of cluster CS4:

- Start number 19 was manually annotated 12 times for cluster CS4.

Info for manual annotations of cluster CX:

- Start number 3 was manually annotated 5 times for cluster CX.

Info for manual annotations of cluster DF3:

- Start number 2 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster DF4:

- Start number 1 was manually annotated 1 time for cluster DF4.

Gene Information:

Gene: ASerpRocky_10 Start: 8735, Stop: 10702, Start Num: 19

Candidate Starts for ASerpRocky_10:

(Start: 19 @8735 has 99 MA's), (26, 8759), (31, 8792), (45, 8849), (47, 8864), (59, 8933), (67, 8993), (68, 8996), (77, 9068), (78, 9071), (79, 9074), (92, 9194), (95, 9221), (106, 9326), (119, 9443), (120, 9446), (127, 9485), (141, 9599), (143, 9611), (151, 9644), (153, 9665), (159, 9704), (166, 9767), (169, 9779), (179, 9863), (196, 9965), (208, 10031), (217, 10079), (225, 10130), (226, 10133), (228, 10157), (240, 10241), (248, 10286), (249, 10289), (257, 10340), (259, 10349), (265, 10400), (266, 10412), (267, 10421), (270, 10430), (275, 10454), (292, 10505), (326, 10631), (332, 10649), (333, 10652), (341, 10682),

Gene: AcciDwight_103 Start: 69216, Stop: 71036, Start Num: 21

Candidate Starts for AcciDwight_103:

(Start: 19 @69213 has 99 MA's), (Start: 21 @69216 has 80 MA's), (37, 69315), (38, 69321), (68, 69516), (70, 69525), (93, 69720), (108, 69864), (109, 69879), (142, 70104), (145, 70113), (160, 70197), (163, 70215), (177, 70338), (189, 70389), (192, 70404), (201, 70449), (202, 70452), (205, 70464), (222, 70545), (230, 70608), (235, 70644), (240, 70677), (257, 70749), (259, 70758), (265, 70803), (304, 70959), (314, 70989),

Gene: Adgers_11 Start: 7240, Stop: 9213, Start Num: 19

Candidate Starts for Adgers_11:

(12, 7222), (Start: 19 @7240 has 99 MA's), (Start: 27 @7267 has 1 MA's), (45, 7354), (47, 7369), (49, 7378), (54, 7402), (67, 7498), (68, 7501), (76, 7561), (77, 7573), (78, 7576), (79, 7579), (92, 7705), (95, 7732), (103, 7789), (114, 7915), (119, 7954), (128, 8002), (129, 8008), (144, 8125), (151, 8155), (175, 8341), (196, 8476), (213, 8569), (221, 8608), (225, 8641), (231, 8686), (237, 8722), (246, 8785), (247, 8791), (248, 8797), (249, 8800), (268, 8935), (272, 8947), (311, 9070), (333, 9169), (342, 9205),

Gene: Amabiko_100 Start: 69258, Stop: 71081, Start Num: 19

Candidate Starts for Amabiko_100:

(Start: 19 @69258 has 99 MA's), (Start: 21 @69261 has 80 MA's), (37, 69360), (38, 69366), (68, 69561), (70, 69570), (93, 69765), (108, 69909), (109, 69924), (145, 70158), (160, 70242), (163, 70260), (177, 70383), (189, 70434), (192, 70449), (201, 70494), (202, 70497), (205, 70509), (222, 70590), (230, 70653), (235, 70689), (240, 70722), (257, 70794), (259, 70803), (265, 70848), (304, 71004), (314, 71034),

Gene: Amore2_11 Start: 7303, Stop: 9270, Start Num: 19

Candidate Starts for Amore2_11:

(4, 7219), (Start: 19 @7303 has 99 MA's), (Start: 27 @7330 has 1 MA's), (31, 7360), (47, 7432), (67, 7561), (77, 7636), (78, 7639), (79, 7642), (90, 7756), (92, 7768), (119, 8017), (120, 8020), (128, 8065), (129, 8071), (141, 8173), (149, 8215), (151, 8218), (153, 8239), (196, 8539), (207, 8602), (209, 8608), (236, 8779), (246, 8848), (248, 8860), (266, 8986), (291, 9076), (299, 9103), (311, 9121), (331, 9214), (337, 9235),

Gene: Anamika_7 Start: 6304, Stop: 8280, Start Num: 19

Candidate Starts for Anamika_7:

(15, 6298), (Start: 19 @6304 has 99 MA's), (31, 6361), (45, 6418), (47, 6433), (50, 6445), (67, 6562), (68, 6565), (77, 6637), (78, 6640), (79, 6643), (90, 6757), (92, 6769), (95, 6796), (111, 6955), (114, 6979), (119, 7018), (129, 7072), (141, 7174), (151, 7219), (153, 7240), (180, 7453), (196, 7540), (248, 7861), (249, 7864), (257, 7915), (268, 7999), (272, 8011), (284, 8062), (294, 8095), (311, 8137), (343, 8275),

Gene: Anedea_96 Start: 68528, Stop: 70348, Start Num: 21

Candidate Starts for Anedea_96:

(Start: 21 @68528 has 80 MA's), (29, 68561), (38, 68633), (40, 68642), (69, 68834), (108, 69176), (109, 69191), (141, 69407), (145, 69425), (163, 69527), (177, 69650), (201, 69761), (222, 69857), (230, 69920), (237, 69965), (240, 69989), (245, 70019), (252, 70037), (255, 70052), (259, 70070), (265, 70115), (313, 70298), (314, 70301),

Gene: Angela_94 Start: 67997, Stop: 69817, Start Num: 21

Candidate Starts for Angela_94:

(Start: 21 @67997 has 80 MA's), (36, 68078), (38, 68102), (40, 68111), (69, 68303), (71, 68309), (108, 68645), (142, 68885), (145, 68894), (163, 68996), (168, 69041), (177, 69119), (201, 69230), (222, 69326), (240, 69458), (245, 69488), (252, 69506), (255, 69521), (259, 69539), (265, 69584), (304, 69740), (313, 69767), (314, 69770),

Gene: AngryGiraffe_99 Start: 69198, Stop: 71021, Start Num: 19

Candidate Starts for AngryGiraffe_99:

(Start: 19 @69198 has 99 MA's), (Start: 21 @69201 has 80 MA's), (37, 69300), (38, 69306), (70, 69510), (108, 69849), (127, 69975), (142, 70089), (163, 70200), (176, 70308), (177, 70323), (189, 70374), (202, 70437), (206, 70452), (208, 70461), (222, 70530), (230, 70593), (237, 70638), (245, 70692), (259, 70743), (265, 70788), (268, 70812), (285, 70881), (314, 70974),

Gene: Annadreamy_86 Start: 62315, Stop: 64135, Start Num: 14

Candidate Starts for Annadreamy_86:

(11, 62303), (Start: 14 @62315 has 4 MA's), (Start: 20 @62324 has 1 MA's), (28, 62354), (37, 62423), (58, 62549), (71, 62636), (108, 62972), (142, 63212), (154, 63272), (163, 63323), (181, 63464), (184, 63479), (192, 63512), (200, 63548), (206, 63575), (230, 63716), (237, 63761), (241, 63791), (253, 63836), (256, 63851), (259, 63866), (265, 63911), (283, 63995), (298, 64049), (314, 64088),

Gene: ArianaSWT_100 Start: 69000, Stop: 70820, Start Num: 21

Candidate Starts for ArianaSWT_100:

(Start: 21 @69000 has 80 MA's), (29, 69033), (36, 69081), (38, 69105), (40, 69114), (62, 69246), (69, 69306), (108, 69648), (145, 69897), (163, 69999), (168, 70044), (201, 70233), (205, 70248), (222, 70329), (226, 70359), (230, 70392), (237, 70437), (240, 70461), (245, 70491), (252, 70509), (255, 70524), (259, 70542), (265, 70587), (295, 70722), (308, 70752), (314, 70773),

Gene: Austin_11 Start: 7330, Stop: 9270, Start Num: 27

Candidate Starts for Austin_11:

(4, 7219), (Start: 19 @7303 has 99 MA's), (Start: 27 @7330 has 1 MA's), (31, 7360), (47, 7432), (67, 7561), (77, 7636), (78, 7639), (79, 7642), (90, 7756), (92, 7768), (119, 8017), (120, 8020), (128, 8065), (129, 8071), (141, 8173), (149, 8215), (151, 8218), (153, 8239), (196, 8539), (207, 8602), (209, 8608), (246, 8848), (248, 8860), (266, 8986), (291, 9076), (299, 9103), (311, 9121), (331, 9214), (337, 9235),

Gene: Barbochs_10 Start: 7075, Stop: 9048, Start Num: 19

Candidate Starts for Barbochs_10:

(12, 7057), (Start: 19 @7075 has 99 MA's), (Start: 27 @7102 has 1 MA's), (45, 7189), (47, 7204), (49, 7213), (54, 7237), (67, 7333), (68, 7336), (76, 7396), (77, 7408), (78, 7411), (79, 7414), (92, 7540), (95, 7567), (114, 7750), (119, 7789), (128, 7837), (129, 7843), (144, 7960), (151, 7990), (175, 8176), (196, 8311), (213, 8404), (221, 8443), (225, 8476), (231, 8521), (237, 8557), (246, 8620), (247, 8626), (248, 8632), (249, 8635), (253, 8665), (268, 8770), (272, 8782), (311, 8905), (333, 9004), (342, 9040),

Gene: Bartholomune_95 Start: 68422, Stop: 70242, Start Num: 21

Candidate Starts for Bartholomune_95:

(Start: 21 @68422 has 80 MA's), (29, 68455), (36, 68503), (38, 68527), (40, 68536), (70, 68731), (102, 68989), (108, 69070), (163, 69421), (177, 69544), (201, 69655), (222, 69751), (230, 69814), (237, 69859), (240, 69883), (256, 69949), (259, 69964), (265, 70009), (295, 70144), (304, 70165), (313, 70192), (314, 70195),

Gene: Battuta_98 Start: 69235, Stop: 71055, Start Num: 21

Candidate Starts for Battuta_98:

(Start: 19 @69232 has 99 MA's), (Start: 21 @69235 has 80 MA's), (37, 69334), (38, 69340), (68, 69535), (70, 69544), (93, 69739), (108, 69883), (109, 69898), (145, 70132), (160, 70216), (163, 70234), (177, 70357), (189, 70408), (192, 70423), (201, 70468), (202, 70471), (205, 70483), (222, 70564), (230, 70627), (235, 70663), (240, 70696), (257, 70768), (259, 70777), (265, 70822), (304, 70978), (314, 71008),

Gene: Beaver_10 Start: 7086, Stop: 9059, Start Num: 19

Candidate Starts for Beaver_10:

(12, 7068), (Start: 19 @7086 has 99 MA's), (Start: 27 @7113 has 1 MA's), (45, 7200), (47, 7215), (49, 7224), (54, 7248), (67, 7344), (68, 7347), (76, 7407), (77, 7419), (78, 7422), (79, 7425), (92, 7551), (95, 7578), (103, 7635), (114, 7761), (119, 7800), (128, 7848), (129, 7854), (144, 7971), (151, 8001), (175, 8187), (196, 8322), (213, 8415), (221, 8454), (225, 8487), (231, 8532), (237, 8568), (246, 8631), (247, 8637), (248, 8643), (249, 8646), (253, 8676), (268, 8781), (272, 8793), (311, 8916), (333, 9015), (342, 9051),

Gene: Belfort_90 Start: 64146, Stop: 65960, Start Num: 19

Candidate Starts for Belfort_90:

(Start: 19 @64146 has 99 MA's), (28, 64179), (49, 64323), (51, 64332), (58, 64374), (68, 64449), (70, 64458), (108, 64797), (115, 64848), (154, 65097), (163, 65148), (200, 65373), (205, 65397), (206, 65400), (230, 65541), (232, 65565), (241, 65616), (252, 65658), (259, 65691), (280, 65811), (298, 65874), (314, 65913),

Gene: Benczkowski14_10 Start: 8798, Stop: 10765, Start Num: 19

Candidate Starts for Benczkowski14_10:

(Start: 19 @8798 has 99 MA's), (26, 8822), (31, 8855), (47, 8927), (59, 8996), (67, 9056), (68, 9059), (72, 9077), (77, 9131), (78, 9134), (79, 9137), (92, 9257), (95, 9284), (104, 9365), (106, 9389), (119, 9506), (120, 9509), (127, 9548), (141, 9662), (151, 9707), (153, 9728), (159, 9767), (166, 9830), (169, 9842), (179, 9926), (196, 10028), (208, 10094), (217, 10142), (225, 10193), (226, 10196), (228, 10220), (240, 10304), (248, 10349), (249, 10352), (265, 10463), (266, 10475), (270, 10493), (275, 10517), (292, 10568), (295, 10580), (306, 10607), (326, 10694), (333, 10715), (341, 10745),

Gene: BenoitCattle_10 Start: 7067, Stop: 9043, Start Num: 19

Candidate Starts for BenoitCattle_10:

(Start: 19 @7067 has 99 MA's), (Start: 27 @7094 has 1 MA's), (45, 7181), (47, 7196), (54, 7229), (67, 7325), (68, 7328), (77, 7400), (78, 7403), (79, 7406), (92, 7532), (95, 7559), (114, 7742), (119, 7781), (129, 7835), (144, 7952), (151, 7982), (175, 8168), (196, 8303), (213, 8396), (221, 8435), (225, 8468), (226, 8471), (246, 8612), (247, 8618), (248, 8624), (249, 8627), (253, 8657), (257, 8678), (259, 8687), (268, 8762), (272, 8774), (292, 8849), (293, 8852), (311, 8900), (327, 8981), (342, 9035),

Gene: Berries_7 Start: 6288, Stop: 8264, Start Num: 19

Candidate Starts for Berries_7:

(15, 6282), (Start: 19 @6288 has 99 MA's), (31, 6345), (45, 6402), (47, 6417), (50, 6429), (67, 6546), (68, 6549), (77, 6621), (78, 6624), (79, 6627), (90, 6741), (92, 6753), (103, 6837), (111, 6939), (114, 6963), (119, 7002), (129, 7056), (141, 7158), (151, 7203), (153, 7224), (180, 7437), (196, 7524), (246, 7833), (248, 7845), (249, 7848), (257, 7899), (259, 7908), (268, 7983), (272, 7995), (273, 8001), (284, 8046), (294, 8079), (311, 8121), (334, 8229), (343, 8259),

Gene: Beuffert_85 Start: 62865, Stop: 64685, Start Num: 14

Candidate Starts for Beuffert_85:

(11, 62853), (Start: 14 @62865 has 4 MA's), (Start: 20 @62874 has 1 MA's), (28, 62904), (37, 62973), (58, 63099), (68, 63174), (70, 63183), (71, 63186), (108, 63522), (142, 63762), (153, 63819), (154, 63822), (163, 63873), (181, 64014), (184, 64029), (200, 64098), (206, 64125), (230, 64266), (237, 64311), (241, 64341), (253, 64386), (256, 64401), (259, 64416), (265, 64461), (283, 64545), (293, 64581), (314, 64638),

Gene: Bianmat_7 Start: 6311, Stop: 8287, Start Num: 19

Candidate Starts for Bianmat_7:

(15, 6305), (Start: 19 @6311 has 99 MA's), (31, 6368), (45, 6425), (47, 6440), (50, 6452), (67, 6569), (68, 6572), (77, 6644), (78, 6647), (79, 6650), (90, 6764), (92, 6776), (95, 6803), (111, 6962), (114, 6986), (119, 7025), (129, 7079), (141, 7181), (151, 7226), (153, 7247), (180, 7460), (196, 7547), (208, 7613), (246, 7856), (248, 7868), (249, 7871), (257, 7922), (259, 7931), (268, 8006), (272, 8018), (273,

8024), (284, 8069), (294, 8102), (311, 8144), (334, 8252), (343, 8282),

Gene: BigShaq_10 Start: 7069, Stop: 9045, Start Num: 19

Candidate Starts for BigShaq_10:

(Start: 19 @7069 has 99 MA's), (Start: 27 @7096 has 1 MA's), (45, 7183), (47, 7198), (54, 7231), (67, 7327), (68, 7330), (77, 7402), (78, 7405), (79, 7408), (92, 7534), (95, 7561), (103, 7618), (114, 7744), (119, 7783), (129, 7837), (144, 7954), (151, 7984), (175, 8170), (196, 8305), (221, 8437), (225, 8470), (226, 8473), (237, 8551), (246, 8614), (247, 8620), (248, 8626), (249, 8629), (253, 8659), (257, 8680), (259, 8689), (268, 8764), (272, 8776), (292, 8851), (293, 8854), (311, 8902), (342, 9037),

Gene: BillNye_77 Start: 63267, Stop: 65075, Start Num: 21

Candidate Starts for BillNye_77:

(Start: 21 @63267 has 80 MA's), (28, 63297), (36, 63348), (37, 63366), (51, 63450), (58, 63492), (68, 63567), (71, 63579), (88, 63723), (107, 63906), (108, 63915), (126, 64038), (154, 64215), (163, 64266), (171, 64341), (203, 64509), (205, 64515), (214, 64560), (230, 64659), (232, 64683), (241, 64734), (256, 64794), (259, 64809), (298, 64989), (314, 65028), (322, 65061),

Gene: BillyBobJr_11 Start: 7110, Stop: 9083, Start Num: 19

Candidate Starts for BillyBobJr_11:

(12, 7092), (Start: 19 @7110 has 99 MA's), (Start: 27 @7137 has 1 MA's), (45, 7224), (47, 7239), (49, 7248), (54, 7272), (67, 7368), (68, 7371), (72, 7389), (76, 7431), (77, 7443), (78, 7446), (79, 7449), (92, 7575), (95, 7602), (103, 7659), (114, 7785), (119, 7824), (128, 7872), (129, 7878), (144, 7995), (151, 8025), (175, 8211), (196, 8346), (213, 8439), (221, 8478), (225, 8511), (231, 8556), (237, 8592), (246, 8655), (247, 8661), (248, 8667), (249, 8670), (253, 8700), (268, 8805), (272, 8817), (311, 8940), (333, 9039), (342, 9075),

Gene: Birchlyn_97 Start: 67118, Stop: 68938, Start Num: 21

Candidate Starts for Birchlyn_97:

(Start: 19 @67115 has 99 MA's), (Start: 21 @67118 has 80 MA's), (37, 67217), (38, 67223), (68, 67418), (70, 67427), (93, 67622), (108, 67766), (109, 67781), (145, 68015), (160, 68099), (163, 68117), (177, 68240), (189, 68291), (192, 68306), (201, 68351), (202, 68354), (205, 68366), (222, 68447), (230, 68510), (235, 68546), (240, 68579), (255, 68642), (257, 68651), (259, 68660), (265, 68705), (304, 68861), (314, 68891),

Gene: BirksAndSocks_10 Start: 7075, Stop: 9048, Start Num: 19

Candidate Starts for BirksAndSocks_10:

(12, 7057), (Start: 19 @7075 has 99 MA's), (Start: 27 @7102 has 1 MA's), (45, 7189), (47, 7204), (49, 7213), (54, 7237), (67, 7333), (68, 7336), (76, 7396), (77, 7408), (78, 7411), (79, 7414), (92, 7540), (95, 7567), (103, 7624), (114, 7750), (119, 7789), (128, 7837), (129, 7843), (144, 7960), (151, 7990), (175, 8176), (196, 8311), (213, 8404), (221, 8443), (225, 8476), (231, 8521), (237, 8557), (246, 8620), (247, 8626), (248, 8632), (249, 8635), (253, 8665), (268, 8770), (272, 8782), (311, 8905), (333, 9004), (342, 9040),

Gene: BlueOtter_96 Start: 69037, Stop: 70857, Start Num: 21

Candidate Starts for BlueOtter_96:

(Start: 21 @69037 has 80 MA's), (29, 69070), (36, 69118), (38, 69142), (40, 69151), (62, 69283), (69, 69343), (108, 69685), (145, 69934), (163, 70036), (168, 70081), (201, 70270), (205, 70285), (222, 70366), (226, 70396), (230, 70429), (237, 70474), (240, 70498), (245, 70528), (252, 70546), (255, 70561), (259, 70579), (265, 70624), (295, 70759), (308, 70789), (314, 70810),

Gene: Blueeyedbeauty_87 Start: 62273, Stop: 64084, Start Num: 20

Candidate Starts for Blueeyedbeauty_87:

(11, 62252), (Start: 14 @62264 has 4 MA's), (Start: 20 @62273 has 1 MA's), (28, 62303), (33, 62336), (36, 62354), (37, 62372), (58, 62498), (68, 62573), (71, 62585), (93, 62777), (108, 62921), (109, 62936), (142, 63161), (153, 63218), (154, 63221), (163, 63272), (184, 63428), (192, 63461), (200, 63497), (206, 63524), (230, 63665), (237, 63710), (241, 63740), (253, 63785), (256, 63800), (259, 63815), (265, 63860), (293, 63980), (314, 64037),

Gene: Bmoc_95 Start: 68363, Stop: 70183, Start Num: 21

Candidate Starts for Bmoc_95:

(Start: 21 @68363 has 80 MA's), (29, 68396), (38, 68468), (40, 68477), (69, 68669), (94, 68873), (108, 69011), (109, 69026), (141, 69242), (145, 69260), (163, 69362), (177, 69485), (201, 69596), (236, 69794), (240, 69824), (245, 69854), (252, 69872), (255, 69887), (259, 69905), (265, 69950), (304, 70106), (314, 70136),

Gene: Boneham_10 Start: 7074, Stop: 9047, Start Num: 19

Candidate Starts for Boneham_10:

(12, 7056), (Start: 19 @7074 has 99 MA's), (Start: 27 @7101 has 1 MA's), (45, 7188), (47, 7203), (49, 7212), (54, 7236), (59, 7272), (67, 7332), (68, 7335), (76, 7395), (77, 7407), (78, 7410), (79, 7413), (92, 7539), (95, 7566), (103, 7623), (114, 7749), (119, 7788), (128, 7836), (129, 7842), (144, 7959), (151, 7989), (175, 8175), (196, 8310), (213, 8403), (221, 8442), (225, 8475), (231, 8520), (237, 8556), (246, 8619), (247, 8625), (248, 8631), (249, 8634), (253, 8664), (268, 8769), (272, 8781), (311, 8904), (333, 9003), (342, 9039),

Gene: BoomerJR_100 Start: 69087, Stop: 70910, Start Num: 19

Candidate Starts for BoomerJR_100:

(Start: 19 @69087 has 99 MA's), (Start: 21 @69090 has 80 MA's), (37, 69189), (38, 69195), (70, 69399), (108, 69738), (142, 69978), (163, 70089), (176, 70197), (177, 70212), (189, 70263), (202, 70326), (206, 70341), (208, 70350), (222, 70419), (230, 70482), (237, 70527), (245, 70581), (259, 70632), (265, 70677), (268, 70701), (285, 70770), (314, 70863),

Gene: Bordeaux_98 Start: 69390, Stop: 71210, Start Num: 21

Candidate Starts for Bordeaux_98:

(Start: 19 @69387 has 99 MA's), (Start: 21 @69390 has 80 MA's), (37, 69489), (38, 69495), (68, 69690), (70, 69699), (93, 69894), (108, 70038), (109, 70053), (145, 70287), (160, 70371), (163, 70389), (177, 70512), (189, 70563), (192, 70578), (201, 70623), (202, 70626), (205, 70638), (222, 70719), (230, 70782), (235, 70818), (240, 70851), (257, 70923), (259, 70932), (265, 70977), (304, 71133), (314, 71163),

Gene: Braelyn_97 Start: 69186, Stop: 71006, Start Num: 21

Candidate Starts for Braelyn_97:

(Start: 21 @69186 has 80 MA's), (29, 69219), (36, 69267), (38, 69291), (40, 69300), (70, 69495), (102, 69753), (108, 69834), (163, 70185), (177, 70308), (201, 70419), (222, 70515), (230, 70578), (237, 70623), (240, 70647), (256, 70713), (259, 70728), (265, 70773), (295, 70908), (304, 70929), (313, 70956), (314, 70959),

Gene: Breezic_10 Start: 7086, Stop: 9059, Start Num: 19

Candidate Starts for Breezic_10:

(12, 7068), (Start: 19 @7086 has 99 MA's), (Start: 27 @7113 has 1 MA's), (45, 7200), (47, 7215), (49, 7224), (54, 7248), (59, 7284), (67, 7344), (68, 7347), (76, 7407), (77, 7419), (78, 7422), (79, 7425), (92, 7551), (95, 7578), (103, 7635), (114, 7761), (119, 7800), (128, 7848), (129, 7854), (144, 7971), (151, 8001), (175, 8187), (196, 8322), (213, 8415), (221, 8454), (225, 8487), (231, 8532), (246, 8631), (247, 8637), (248, 8643), (249, 8646), (253, 8676), (268, 8781), (272, 8793), (311, 8916), (333, 9015), (342, 9051),

Gene: Brizzy_99 Start: 68906, Stop: 70729, Start Num: 19

Candidate Starts for Brizzy_99:

(Start: 19 @68906 has 99 MA's), (Start: 21 @68909 has 80 MA's), (37, 69008), (38, 69014), (68, 69209), (70, 69218), (93, 69413), (108, 69557), (109, 69572), (145, 69806), (160, 69890), (163, 69908), (177, 70031), (189, 70082), (192, 70097), (202, 70145), (205, 70157), (222, 70238), (230, 70301), (235, 70337), (240, 70370), (257, 70442), (259, 70451), (265, 70496), (268, 70520), (304, 70652), (314, 70682),

Gene: Butterball_10 Start: 7074, Stop: 9047, Start Num: 19

Candidate Starts for Butterball_10:

(12, 7056), (Start: 19 @7074 has 99 MA's), (Start: 27 @7101 has 1 MA's), (45, 7188), (47, 7203), (49, 7212), (54, 7236), (59, 7272), (67, 7332), (68, 7335), (76, 7395), (77, 7407), (78, 7410), (79, 7413), (92, 7539), (95, 7566), (103, 7623), (114, 7749), (119, 7788), (128, 7836), (129, 7842), (144, 7959), (151, 7989), (175, 8175), (196, 8310), (213, 8403), (221, 8442), (225, 8475), (231, 8520), (237, 8556), (246, 8619), (247, 8625), (248, 8631), (249, 8634), (253, 8664), (268, 8769), (272, 8781), (311, 8904), (333, 9003), (342, 9039),

Gene: Cadmus_94 Start: 67975, Stop: 69795, Start Num: 21

Candidate Starts for Cadmus_94:

(Start: 21 @67975 has 80 MA's), (38, 68080), (40, 68089), (61, 68218), (70, 68284), (77, 68347), (101, 68539), (108, 68623), (109, 68638), (137, 68815), (145, 68872), (163, 68974), (181, 69115), (189, 69148), (202, 69211), (206, 69226), (222, 69304), (230, 69367), (237, 69412), (240, 69436), (252, 69484), (255, 69499), (259, 69517), (265, 69562), (297, 69700), (304, 69718), (313, 69745), (314, 69748),

Gene: Camerico_10 Start: 8109, Stop: 10193, Start Num: 1

Candidate Starts for Camerico_10:

(Start: 1 @8109 has 1 MA's), (Start: 10 @8229 has 1 MA's), (Start: 21 @8253 has 80 MA's), (34, 8322), (37, 8349), (44, 8391), (59, 8481), (63, 8502), (66, 8532), (70, 8553), (77, 8616), (79, 8622), (90, 8727), (99, 8811), (100, 8814), (109, 8916), (113, 8946), (117, 8967), (119, 8988), (131, 9048), (164, 9264), (165, 9285), (173, 9339), (183, 9411), (186, 9423), (193, 9462), (194, 9468), (196, 9474), (199, 9495), (205, 9528), (211, 9549), (216, 9579), (225, 9639), (226, 9642), (234, 9705), (237, 9720), (244, 9777), (248, 9795), (266, 9921), (267, 9930), (272, 9945), (274, 9954), (305, 10062),

Gene: CathyBurgh_10 Start: 7074, Stop: 9047, Start Num: 19

Candidate Starts for CathyBurgh_10:

(12, 7056), (Start: 19 @7074 has 99 MA's), (Start: 27 @7101 has 1 MA's), (45, 7188), (47, 7203), (49, 7212), (54, 7236), (67, 7332), (68, 7335), (76, 7395), (77, 7407), (78, 7410), (79, 7413), (92, 7539), (95, 7566), (103, 7623), (114, 7749), (119, 7788), (128, 7836), (129, 7842), (144, 7959), (151, 7989), (175, 8175), (196, 8310), (213, 8403), (221, 8442), (225, 8475), (231, 8520), (237, 8556), (246, 8619), (247, 8625), (248, 8631), (249, 8634), (253, 8664), (268, 8769), (272, 8781), (311, 8904), (333, 9003), (342, 9039),

Gene: CeilingFan_99 Start: 69147, Stop: 70970, Start Num: 19

Candidate Starts for CeilingFan_99:

(Start: 19 @69147 has 99 MA's), (Start: 21 @69150 has 80 MA's), (37, 69249), (38, 69255), (68, 69450), (70, 69459), (93, 69654), (108, 69798), (109, 69813), (145, 70047), (160, 70131), (163, 70149), (177, 70272), (189, 70323), (192, 70338), (201, 70383), (202, 70386), (205, 70398), (222, 70479), (230, 70542), (235, 70578), (240, 70611), (257, 70683), (259, 70692), (265, 70737), (304, 70893), (314, 70923),

Gene: Chaewon_81 Start: 63208, Stop: 65016, Start Num: 21

Candidate Starts for Chaewon_81:

(Start: 21 @63208 has 80 MA's), (28, 63238), (36, 63289), (37, 63307), (51, 63391), (58, 63433), (68, 63508), (71, 63520), (88, 63664), (108, 63856), (126, 63979), (154, 64156), (163, 64207), (171, 64282), (181, 64348), (203, 64450), (205, 64456), (214, 64501), (230, 64600), (232, 64624), (237, 64645), (241, 64675), (244, 64696), (256, 64735), (259, 64750), (276, 64852), (285, 64888), (298, 64930), (314, 64969), (322, 65002),

Gene: Charianelly_7 Start: 6299, Stop: 8275, Start Num: 19

Candidate Starts for Charianelly_7:

(15, 6293), (Start: 19 @6299 has 99 MA's), (31, 6356), (45, 6413), (47, 6428), (50, 6440), (67, 6557), (68, 6560), (77, 6632), (78, 6635), (79, 6638), (90, 6752), (92, 6764), (103, 6848), (111, 6950), (114, 6974), (119, 7013), (129, 7067), (141, 7169), (151, 7214), (153, 7235), (180, 7448), (196, 7535), (246, 7844), (248, 7856), (249, 7859), (257, 7910), (259, 7919), (268, 7994), (272, 8006), (273, 8012), (284, 8057), (294, 8090), (311, 8132), (334, 8240), (343, 8270),

Gene: Chelms_10 Start: 7069, Stop: 9045, Start Num: 19

Candidate Starts for Chelms_10:

(Start: 19 @7069 has 99 MA's), (Start: 27 @7096 has 1 MA's), (45, 7183), (47, 7198), (54, 7231), (67, 7327), (68, 7330), (77, 7402), (78, 7405), (79, 7408), (92, 7534), (95, 7561), (114, 7744), (119, 7783), (129, 7837), (144, 7954), (151, 7984), (175, 8170), (196, 8305), (213, 8398), (221, 8437), (225, 8470), (246, 8614), (247, 8620), (248, 8626), (249, 8629), (253, 8659), (257, 8680), (259, 8689), (268, 8764), (272, 8776), (292, 8851), (311, 8902), (327, 8983), (342, 9037),

Gene: CinnamonToast_11 Start: 7110, Stop: 9083, Start Num: 19

Candidate Starts for CinnamonToast_11:

(12, 7092), (Start: 19 @7110 has 99 MA's), (Start: 27 @7137 has 1 MA's), (45, 7224), (47, 7239), (49, 7248), (54, 7272), (67, 7368), (68, 7371), (72, 7389), (76, 7431), (77, 7443), (78, 7446), (79, 7449), (92, 7575), (95, 7602), (103, 7659), (114, 7785), (119, 7824), (128, 7872), (129, 7878), (144, 7995), (151, 8025), (175, 8211), (196, 8346), (213, 8439), (221, 8478), (225, 8511), (231, 8556), (237, 8592), (246, 8655), (247, 8661), (248, 8667), (249, 8670), (253, 8700), (268, 8805), (272, 8817), (311, 8940), (333, 9039), (342, 9075),

Gene: Circinus_78 Start: 63255, Stop: 65063, Start Num: 21

Candidate Starts for Circinus_78:

(Start: 21 @63255 has 80 MA's), (28, 63285), (36, 63336), (37, 63354), (51, 63438), (58, 63480), (68, 63555), (71, 63567), (107, 63894), (108, 63903), (126, 64026), (130, 64053), (132, 64065), (154, 64203), (163, 64254), (171, 64329), (203, 64497), (205, 64503), (230, 64647), (232, 64671), (241, 64722), (256, 64782), (259, 64797), (298, 64977), (314, 65016), (322, 65049),

Gene: Comrade_88 Start: 63762, Stop: 65576, Start Num: 19

Candidate Starts for Comrade_88:

(Start: 19 @63762 has 99 MA's), (28, 63795), (49, 63939), (51, 63948), (58, 63990), (68, 64065), (70, 64074), (108, 64413), (115, 64464), (153, 64710), (154, 64713), (163, 64764), (200, 64989), (205, 65013), (206, 65016), (230, 65157), (232, 65181), (241, 65232), (252, 65274), (259, 65307), (280, 65427), (298, 65490), (314, 65529),

Gene: Coogler_96 Start: 69063, Stop: 70883, Start Num: 21

Candidate Starts for Coogler_96:

(Start: 21 @69063 has 80 MA's), (29, 69096), (36, 69144), (38, 69168), (40, 69177), (62, 69309), (69, 69369), (108, 69711), (145, 69960), (163, 70062), (168, 70107), (201, 70296), (205, 70311), (222, 70392), (226, 70422), (230, 70455), (237, 70500), (240, 70524), (245, 70554), (252, 70572), (255, 70587), (259, 70605), (265, 70650), (295, 70785), (308, 70815), (314, 70836),

Gene: Crete_11 Start: 7320, Stop: 9296, Start Num: 19

Candidate Starts for Crete_11:

(Start: 19 @7320 has 99 MA's), (Start: 27 @7347 has 1 MA's), (45, 7434), (47, 7449), (54, 7482), (67, 7578), (68, 7581), (77, 7653), (78, 7656), (79, 7659), (92, 7785), (95, 7812), (114, 7995), (119, 8034), (129, 8088), (144, 8205), (151, 8235), (175, 8421), (196, 8556), (213, 8649), (221, 8688), (225, 8721), (226, 8724), (246, 8865), (247, 8871), (248, 8877), (253, 8910), (259, 8940), (268, 9015), (292, 9102), (293, 9105), (311, 9153), (342, 9288),

Gene: Cross_96 Start: 69038, Stop: 70858, Start Num: 21

Candidate Starts for Cross_96:

(Start: 21 @69038 has 80 MA's), (29, 69071), (36, 69119), (38, 69143), (40, 69152), (62, 69284), (69, 69344), (108, 69686), (145, 69935), (163, 70037), (168, 70082), (201, 70271), (205, 70286), (222, 70367), (226, 70397), (230, 70430), (237, 70475), (240, 70499), (245, 70529), (252, 70547), (255, 70562), (259, 70580), (265, 70625), (295, 70760), (308, 70790), (314, 70811),

Gene: Cursive_94 Start: 68563, Stop: 70383, Start Num: 21

Candidate Starts for Cursive_94:

(Start: 21 @68563 has 80 MA's), (29, 68596), (36, 68644), (38, 68668), (40, 68677), (62, 68809), (69, 68869), (108, 69211), (145, 69460), (163, 69562), (168, 69607), (201, 69796), (205, 69811), (222, 69892), (226, 69922), (230, 69955), (237, 70000), (240, 70024), (245, 70054), (252, 70072), (255, 70087), (259, 70105), (265, 70150), (295, 70285), (308, 70315), (314, 70336),

Gene: Daisy123_103 Start: 69006, Stop: 70829, Start Num: 19

Candidate Starts for Daisy123_103:

(Start: 19 @69006 has 99 MA's), (Start: 21 @69009 has 80 MA's), (37, 69108), (38, 69114), (68, 69309), (70, 69318), (93, 69513), (108, 69657), (109, 69672), (145, 69906), (160, 69990), (163, 70008), (177, 70131), (189, 70182), (192, 70197), (201, 70242), (202, 70245), (205, 70257), (222, 70338), (230, 70401), (235, 70437), (240, 70470), (257, 70542), (259, 70551), (265, 70596), (304, 70752), (314, 70782),

Gene: Dakiti_10 Start: 7069, Stop: 9045, Start Num: 19

Candidate Starts for Dakiti_10:

(Start: 19 @7069 has 99 MA's), (Start: 27 @7096 has 1 MA's), (45, 7183), (47, 7198), (54, 7231), (67, 7327), (68, 7330), (77, 7402), (78, 7405), (79, 7408), (92, 7534), (95, 7561), (114, 7744), (119, 7783), (129, 7837), (144, 7954), (151, 7984), (175, 8170), (196, 8305), (213, 8398), (221, 8437), (225, 8470), (226, 8473), (237, 8551), (246, 8614), (247, 8620), (248, 8626), (249, 8629), (253, 8659), (257, 8680), (259, 8689), (268, 8764), (272, 8776), (292, 8851), (311, 8902), (327, 8983), (342, 9037),

Gene: Damp_7 Start: 6288, Stop: 8264, Start Num: 19

Candidate Starts for Damp_7:

(15, 6282), (Start: 19 @6288 has 99 MA's), (31, 6345), (45, 6402), (47, 6417), (50, 6429), (67, 6546), (68, 6549), (77, 6621), (78, 6624), (79, 6627), (90, 6741), (92, 6753), (95, 6780), (111, 6939), (114, 6963), (119, 7002), (129, 7056), (141, 7158), (151, 7203), (153, 7224), (180, 7437), (196, 7524), (246, 7833), (248, 7845), (249, 7848), (257, 7899), (259, 7908), (268, 7983), (272, 7995), (273, 8001), (284, 8046), (294, 8079), (311, 8121), (334, 8229), (343, 8259),

Gene: Daubenski_98 Start: 68739, Stop: 70559, Start Num: 21

Candidate Starts for Daubenski_98:

(Start: 21 @68739 has 80 MA's), (38, 68844), (40, 68853), (61, 68982), (68, 69039), (77, 69111), (101, 69303), (108, 69387), (109, 69402), (137, 69579), (145, 69636), (163, 69738), (181, 69879), (189, 69912), (202, 69975), (206, 69990), (222, 70068), (230, 70131), (237, 70176), (240, 70200), (252, 70248), (255, 70263), (259, 70281), (265, 70326), (297, 70464), (304, 70482), (313, 70509), (314, 70512),

Gene: Davielle_94 Start: 68606, Stop: 70426, Start Num: 21

Candidate Starts for Davielle_94:

(Start: 21 @68606 has 80 MA's), (29, 68639), (36, 68687), (38, 68711), (40, 68720), (70, 68915), (102, 69173), (108, 69254), (163, 69605), (177, 69728), (201, 69839), (222, 69935), (230, 69998), (237, 70043), (240, 70067), (255, 70130), (259, 70148), (265, 70193), (295, 70328), (304, 70349), (313, 70376), (314, 70379),

Gene: DeluluLabubu_88 Start: 61813, Stop: 63636, Start Num: 13

Candidate Starts for DeluluLabubu_88:

(6, 61759), (Start: 13 @61813 has 4 MA's), (Start: 21 @61825 has 80 MA's), (33, 61888), (37, 61924), (49, 61999), (68, 62125), (77, 62197), (108, 62473), (114, 62521), (115, 62524), (147, 62743), (160, 62806), (163, 62824), (191, 63004), (200, 63049), (220, 63148), (230, 63217), (231, 63226), (232, 63241), (237, 63262), (241, 63292), (252, 63334), (259, 63367), (265, 63412), (293, 63532), (298, 63550), (314, 63589),

Gene: Demosthenes_10 Start: 8696, Stop: 10672, Start Num: 19

Candidate Starts for Demosthenes_10:

(Start: 19 @8696 has 99 MA's), (26, 8720), (31, 8753), (45, 8810), (47, 8825), (59, 8894), (67, 8954), (68, 8957), (77, 9029), (78, 9032), (79, 9035), (92, 9155), (95, 9182), (106, 9287), (119, 9404), (120, 9407), (127, 9446), (135, 9512), (141, 9560), (151, 9605), (153, 9626), (159, 9665), (166, 9728), (169, 9740), (196, 9932), (221, 10064), (225, 10097), (226, 10100), (228, 10124), (231, 10142), (240, 10208), (248, 10253), (249, 10256), (257, 10307), (261, 10325), (266, 10379), (270, 10397), (271, 10400), (292, 10475), (293, 10478), (299, 10496), (318, 10556), (326, 10601), (332, 10619), (333, 10622), (341, 10652),

Gene: Diabla_9 Start: 6889, Stop: 8853, Start Num: 19

Candidate Starts for Diabla_9:

(Start: 19 @6889 has 99 MA's), (Start: 27 @6916 has 1 MA's), (45, 7003), (47, 7018), (54, 7051), (67, 7147), (68, 7150), (77, 7222), (78, 7225), (79, 7228), (90, 7342), (92, 7354), (103, 7438), (119, 7603), (129, 7657), (144, 7774), (151, 7804), (175, 7990), (180, 8038), (196, 8125), (209, 8194), (213, 8218), (221, 8257), (225, 8290), (226, 8293), (240, 8401), (246, 8434), (247, 8440), (248, 8446), (249, 8449), (253, 8479), (268, 8584), (272, 8596), (311, 8710), (314, 8722), (327, 8791), (333, 8809), (342, 8845),

Gene: DocB7_003 Start: 1607, Stop: 3589, Start Num: 9

Candidate Starts for DocB7_003:

(9, 1607), (34, 1700), (47, 1760), (56, 1814), (60, 1832), (67, 1889), (68, 1892), (77, 1964), (78, 1967), (79, 1970), (84, 2015), (109, 2267), (119, 2339), (121, 2348), (125, 2363), (129, 2393), (140, 2495), (141, 2498), (153, 2579), (159, 2618), (165, 2678), (172, 2723), (174, 2741), (186, 2810), (187, 2816), (190, 2828), (193, 2849), (194, 2855), (196, 2861), (199, 2882), (215, 2963), (217, 2975), (238, 3122), (253, 3215), (266, 3308), (267, 3317), (272, 3332), (316, 3467), (318, 3476), (325, 3503),

Gene: Dorin_90 Start: 69354, Stop: 71168, Start Num: 22

Candidate Starts for Dorin_90:

(Start: 22 @69354 has 4 MA's), (36, 69429), (55, 69579), (60, 69609), (61, 69615), (64, 69645), (72, 69690), (79, 69750), (80, 69756), (85, 69804), (96, 69894), (102, 69942), (107, 69990), (109, 70014), (119, 70083), (147, 70275), (156, 70314), (160, 70350), (161, 70353), (188, 70539), (191, 70548), (192, 70557), (197, 70575), (205, 70620), (214, 70665), (225, 70725), (230, 70761), (239, 70824), (241, 70836), (244, 70857), (253, 70881), (260, 70917), (268, 70986), (277, 71019), (283, 71040), (290, 71064), (312, 71115), (314, 71121), (324, 71163),

Gene: EGole_97 Start: 69983, Stop: 71803, Start Num: 21

Candidate Starts for EGole_97:

(Start: 21 @69983 has 80 MA's), (29, 70016), (36, 70064), (38, 70088), (40, 70097), (62, 70229), (69, 70289), (108, 70631), (163, 70982), (168, 71027), (177, 71105), (201, 71216), (205, 71231), (222, 71312), (226, 71342), (230, 71375), (237, 71420), (240, 71444), (245, 71474), (252, 71492), (255, 71507), (259, 71525), (265, 71570), (295, 71705), (308, 71735), (314, 71756), (317, 71768),

Gene: Eggsie_10 Start: 7089, Stop: 9053, Start Num: 19

Candidate Starts for Eggsie_10:

(Start: 19 @7089 has 99 MA's), (Start: 27 @7116 has 1 MA's), (45, 7203), (47, 7218), (54, 7251), (67, 7347), (68, 7350), (77, 7422), (78, 7425), (79, 7428), (90, 7542), (92, 7554), (95, 7581), (103, 7638), (119, 7803), (129, 7857), (144, 7974), (151, 8004), (175, 8190), (196, 8325), (213, 8418), (221, 8457), (225, 8490), (226, 8493), (240, 8601), (246, 8634), (247, 8640), (248, 8646), (249, 8649), (253, 8679), (272, 8796), (293, 8868), (311, 8910), (314, 8922), (327, 8991), (333, 9009), (342, 9045),

Gene: Ekhein_10 Start: 7074, Stop: 9047, Start Num: 19

Candidate Starts for Ekhein_10:

(12, 7056), (Start: 19 @7074 has 99 MA's), (Start: 27 @7101 has 1 MA's), (45, 7188), (47, 7203), (49, 7212), (54, 7236), (67, 7332), (68, 7335), (76, 7395), (77, 7407), (78, 7410), (79, 7413), (92, 7539), (95, 7566), (103, 7623), (114, 7749), (119, 7788), (128, 7836), (129, 7842), (144, 7959), (151, 7989), (175, 8175), (196, 8310), (213, 8403), (221, 8442), (225, 8475), (231, 8520), (237, 8556), (246, 8619), (247, 8625), (248, 8631), (249, 8634), (253, 8664), (268, 8769), (272, 8781), (311, 8904), (333, 9003), (342, 9039),

Gene: Eliot67_94 Start: 68464, Stop: 70284, Start Num: 21

Candidate Starts for Eliot67_94:

(Start: 21 @68464 has 80 MA's), (29, 68497), (36, 68545), (38, 68569), (40, 68578), (70, 68773), (102, 69031), (108, 69112), (163, 69463), (177, 69586), (201, 69697), (222, 69793), (230, 69856), (237, 69901), (240, 69925), (256, 69991), (259, 70006), (265, 70051), (295, 70186), (304, 70207), (313, 70234), (314, 70237),

Gene: Elmer_101 Start: 69560, Stop: 71380, Start Num: 21

Candidate Starts for Elmer_101:

(Start: 21 @69560 has 80 MA's), (37, 69659), (38, 69665), (70, 69869), (75, 69911), (77, 69932), (108, 70208), (126, 70331), (147, 70478), (160, 70541), (163, 70559), (177, 70682), (182, 70706), (201, 70793), (222, 70889), (230, 70952), (231, 70961), (235, 70988), (243, 71033), (257, 71093), (259, 71102), (265, 71147), (280, 71222), (304, 71303), (314, 71333),

Gene: Emma1919_90 Start: 62485, Stop: 64296, Start Num: 21

Candidate Starts for Emma1919_90:

(6, 62419), (Start: 13 @62473 has 4 MA's), (Start: 21 @62485 has 80 MA's), (36, 62566), (68, 62785), (77, 62857), (107, 63124), (108, 63133), (115, 63184), (163, 63484), (181, 63625), (200, 63709), (208, 63745), (230, 63877), (231, 63886), (232, 63901), (241, 63952), (252, 63994), (259, 64027), (265, 64072), (298, 64210), (304, 64225), (314, 64249),

Gene: Enygma_100 Start: 71046, Stop: 72866, Start Num: 21

Candidate Starts for Enygma_100:

(Start: 19 @71043 has 99 MA's), (Start: 21 @71046 has 80 MA's), (36, 71127), (38, 71151), (40, 71160), (68, 71346), (70, 71355), (102, 71613), (108, 71694), (124, 71799), (142, 71934), (145, 71943), (160, 72027), (163, 72045), (177, 72168), (192, 72234), (202, 72282), (205, 72294), (222, 72375), (230, 72438), (237, 72483), (240, 72507), (257, 72579), (259, 72588), (265, 72633), (304, 72789), (314, 72819),

Gene: Evy_96 Start: 68938, Stop: 70758, Start Num: 21

Candidate Starts for Evy_96:

(Start: 21 @68938 has 80 MA's), (38, 69043), (40, 69052), (62, 69184), (69, 69244), (71, 69250), (102, 69505), (108, 69586), (145, 69835), (163, 69937), (171, 70012), (177, 70060), (201, 70171), (222, 70267), (230, 70330), (237, 70375), (240, 70399), (244, 70426), (245, 70429), (257, 70471), (259, 70480), (265, 70525), (280, 70600), (314, 70711),

Gene: Exiguo_10 Start: 7086, Stop: 9059, Start Num: 19

Candidate Starts for Exiguo_10:

(8, 7053), (12, 7068), (Start: 19 @7086 has 99 MA's), (Start: 27 @7113 has 1 MA's), (45, 7200), (47, 7215), (49, 7224), (54, 7248), (67, 7344), (68, 7347), (76, 7407), (77, 7419), (78, 7422), (79, 7425), (92, 7551), (95, 7578), (103, 7635), (114, 7761), (119, 7800), (128, 7848), (129, 7854), (144, 7971), (151, 8001), (175, 8187), (182, 8247), (196, 8322), (213, 8415), (221, 8454), (225, 8487), (231, 8532), (237, 8568), (246, 8631), (247, 8637), (248, 8643), (249, 8646), (253, 8676), (268, 8781), (272, 8793), (311, 8916), (333, 9015), (342, 9051),

Gene: Faust_88 Start: 63632, Stop: 65443, Start Num: 19

Candidate Starts for Faust_88:

(Start: 19 @63632 has 99 MA's), (26, 63656), (Start: 27 @63659 has 1 MA's), (36, 63716), (53, 63830), (58, 63860), (69, 63941), (70, 63944), (93, 64139), (94, 64145), (108, 64283), (154, 64583), (163, 64634), (176, 64742), (191, 64814), (230, 65027), (232, 65051), (237, 65072), (240, 65096), (241, 65102), (252, 65144), (259, 65177), (314, 65396), (317, 65408),

Gene: FelixAlejandro_11 Start: 7272, Stop: 9245, Start Num: 19

Candidate Starts for FelixAlejandro_11:

(12, 7254), (Start: 19 @7272 has 99 MA's), (Start: 27 @7299 has 1 MA's), (45, 7386), (47, 7401), (49, 7410), (54, 7434), (67, 7530), (68, 7533), (72, 7551), (76, 7593), (77, 7605), (78, 7608), (79, 7611), (92, 7737), (95, 7764), (103, 7821), (114, 7947), (119, 7986), (128, 8034), (129, 8040), (144, 8157), (151, 8187), (175, 8373), (182, 8433), (196, 8508), (213, 8601), (221, 8640), (225, 8673), (231, 8718), (237, 8754), (246, 8817), (247, 8823), (248, 8829), (249, 8832), (253, 8862), (268, 8967), (272, 8979), (311, 9102), (333, 9201), (342, 9237),

Gene: Flakey_10 Start: 7075, Stop: 9048, Start Num: 19

Candidate Starts for Flakey_10:

(12, 7057), (Start: 19 @7075 has 99 MA's), (Start: 27 @7102 has 1 MA's), (45, 7189), (47, 7204), (49, 7213), (54, 7237), (67, 7333), (68, 7336), (76, 7396), (77, 7408), (78, 7411), (79, 7414), (92, 7540), (95, 7567), (103, 7624), (114, 7750), (119, 7789), (128, 7837), (129, 7843), (144, 7960), (151, 7990), (175, 8176), (196, 8311), (213, 8404), (221, 8443), (225, 8476), (231, 8521), (237, 8557), (246, 8620), (247, 8626), (248, 8632), (249, 8635), (253, 8665), (268, 8770), (272, 8782), (311, 8905), (333, 9004), (342, 9040),

Gene: Forrest_92 Start: 64228, Stop: 66039, Start Num: 21

Candidate Starts for Forrest_92:

(7, 64171), (11, 64207), (Start: 21 @64228 has 80 MA's), (Start: 27 @64252 has 1 MA's), (29, 64261), (36, 64309), (68, 64528), (77, 64600), (107, 64867), (108, 64876), (115, 64927), (163, 65227), (181, 65368), (200, 65452), (208, 65488), (230, 65620), (231, 65629), (232, 65644), (241, 65695), (252, 65737), (259, 65770), (265, 65815), (298, 65953), (304, 65968), (314, 65992),

Gene: Francesca_90 Start: 70092, Stop: 71906, Start Num: 22

Candidate Starts for Francesca_90:

(Start: 22 @70092 has 4 MA's), (36, 70167), (55, 70317), (60, 70347), (61, 70353), (64, 70383), (72, 70428), (79, 70488), (80, 70494), (85, 70542), (96, 70632), (102, 70680), (107, 70728), (109, 70752), (114, 70785), (119, 70821), (147, 71013), (156, 71052), (160, 71088), (161, 71091), (191, 71286), (192, 71295), (197, 71313), (214, 71403), (225, 71463), (230, 71499), (239, 71562), (241, 71574), (268, 71724), (277, 71757), (283, 71778), (285, 71787), (290, 71802), (312, 71853), (314, 71859),

(324, 71901),

Gene: Francob_87 Start: 62527, Stop: 64338, Start Num: 21

Candidate Starts for Francob_87:

(6, 62461), (Start: 13 @62515 has 4 MA's), (Start: 21 @62527 has 80 MA's), (28, 62557), (36, 62608), (49, 62701), (68, 62827), (69, 62833), (77, 62899), (108, 63175), (115, 63226), (160, 63508), (163, 63526), (200, 63751), (230, 63919), (241, 63994), (252, 64036), (259, 64069), (265, 64114), (285, 64207), (298, 64252), (314, 64291),

Gene: FreddyDRoo_95 Start: 68464, Stop: 70284, Start Num: 21

Candidate Starts for FreddyDRoo_95:

(Start: 21 @68464 has 80 MA's), (29, 68497), (36, 68545), (38, 68569), (40, 68578), (70, 68773), (102, 69031), (108, 69112), (163, 69463), (177, 69586), (201, 69697), (222, 69793), (230, 69856), (237, 69901), (240, 69925), (256, 69991), (259, 70006), (265, 70051), (295, 70186), (304, 70207), (313, 70234), (314, 70237),

Gene: GMA7_2 Start: 1492, Stop: 3459, Start Num: 19

Candidate Starts for GMA7_2:

(4, 1408), (Start: 19 @1492 has 99 MA's), (Start: 27 @1519 has 1 MA's), (31, 1549), (47, 1621), (67, 1750), (77, 1825), (78, 1828), (79, 1831), (90, 1945), (92, 1957), (119, 2206), (120, 2209), (128, 2254), (129, 2260), (141, 2362), (149, 2404), (151, 2407), (153, 2428), (196, 2728), (207, 2791), (209, 2797), (236, 2968), (246, 3037), (248, 3049), (266, 3175), (291, 3265), (299, 3292), (311, 3310), (331, 3403), (337, 3424),

Gene: GTE7_2 Start: 1504, Stop: 3444, Start Num: 27

Candidate Starts for GTE7_2:

(4, 1393), (Start: 19 @1477 has 99 MA's), (Start: 27 @1504 has 1 MA's), (31, 1534), (47, 1606), (67, 1735), (77, 1810), (78, 1813), (79, 1816), (90, 1930), (92, 1942), (119, 2191), (120, 2194), (128, 2239), (129, 2245), (141, 2347), (149, 2389), (151, 2392), (153, 2413), (196, 2713), (207, 2776), (209, 2782), (236, 2953), (246, 3022), (248, 3034), (266, 3160), (291, 3250), (299, 3277), (311, 3295), (331, 3388), (337, 3409),

Gene: GalacticEye_7 Start: 6288, Stop: 8264, Start Num: 19

Candidate Starts for GalacticEye_7:

(15, 6282), (Start: 19 @6288 has 99 MA's), (31, 6345), (45, 6402), (47, 6417), (50, 6429), (67, 6546), (68, 6549), (77, 6621), (78, 6624), (79, 6627), (90, 6741), (92, 6753), (103, 6837), (111, 6939), (114, 6963), (119, 7002), (129, 7056), (141, 7158), (151, 7203), (153, 7224), (180, 7437), (196, 7524), (246, 7833), (248, 7845), (249, 7848), (257, 7899), (259, 7908), (268, 7983), (272, 7995), (273, 8001), (284, 8046), (294, 8079), (311, 8121), (334, 8229), (343, 8259),

Gene: Genie2_100 Start: 69201, Stop: 71024, Start Num: 19

Candidate Starts for Genie2_100:

(Start: 19 @69201 has 99 MA's), (Start: 21 @69204 has 80 MA's), (37, 69303), (38, 69309), (70, 69513), (108, 69852), (142, 70092), (163, 70203), (176, 70311), (177, 70326), (189, 70377), (202, 70440), (206, 70455), (208, 70464), (222, 70533), (230, 70596), (237, 70641), (245, 70695), (259, 70746), (265, 70791), (268, 70815), (285, 70884), (314, 70977),

Gene: Gibbi_104 Start: 69370, Stop: 71193, Start Num: 19

Candidate Starts for Gibbi_104:

(Start: 19 @69370 has 99 MA's), (Start: 21 @69373 has 80 MA's), (37, 69472), (38, 69478), (68, 69673), (70, 69682), (93, 69877), (108, 70021), (109, 70036), (145, 70270), (160, 70354), (163, 70372), (177, 70495), (189, 70546), (192, 70561), (202, 70609), (205, 70621), (222, 70702), (230, 70765), (235, 70801), (240, 70834), (257, 70906), (259, 70915), (265, 70960), (304, 71116), (314,

71146),

Gene: Gibbles_9 Start: 6637, Stop: 8661, Start Num: 3

Candidate Starts for Gibbles_9:

(Start: 3 @6637 has 5 MA's), (34, 6802), (38, 6835), (44, 6871), (49, 6901), (59, 6961), (66, 7012), (67, 7021), (68, 7024), (77, 7096), (79, 7102), (85, 7156), (86, 7159), (92, 7234), (95, 7261), (102, 7315), (115, 7447), (116, 7453), (117, 7462), (119, 7483), (131, 7537), (144, 7633), (147, 7657), (193, 7954), (194, 7960), (196, 7966), (208, 8032), (211, 8041), (215, 8068), (230, 8167), (237, 8212), (240, 8242), (251, 8311), (258, 8344), (268, 8425), (271, 8434), (272, 8437), (288, 8494), (296, 8512), (310, 8539), (317, 8563), (336, 8644), (338, 8650),

Gene: Gilson_89 Start: 62435, Stop: 64258, Start Num: 13

Candidate Starts for Gilson_89:

(6, 62381), (Start: 13 @62435 has 4 MA's), (Start: 21 @62447 has 80 MA's), (36, 62528), (68, 62747), (77, 62819), (107, 63086), (108, 63095), (115, 63146), (163, 63446), (181, 63587), (200, 63671), (208, 63707), (230, 63839), (231, 63848), (232, 63863), (241, 63914), (252, 63956), (259, 63989), (265, 64034), (298, 64172), (304, 64187), (314, 64211),

Gene: Gorko_10 Start: 7075, Stop: 9048, Start Num: 19

Candidate Starts for Gorko_10:

(12, 7057), (Start: 19 @7075 has 99 MA's), (Start: 27 @7102 has 1 MA's), (45, 7189), (47, 7204), (54, 7237), (59, 7273), (67, 7333), (68, 7336), (76, 7396), (77, 7408), (78, 7411), (79, 7414), (92, 7540), (95, 7567), (103, 7624), (114, 7750), (119, 7789), (128, 7837), (129, 7843), (144, 7960), (151, 7990), (175, 8176), (196, 8311), (213, 8404), (221, 8443), (225, 8476), (231, 8521), (237, 8557), (246, 8620), (247, 8626), (248, 8632), (249, 8635), (253, 8665), (268, 8770), (272, 8782), (311, 8905), (333, 9004), (342, 9040),

Gene: GourdThymes_10 Start: 7074, Stop: 9047, Start Num: 19

Candidate Starts for GourdThymes_10:

(12, 7056), (Start: 19 @7074 has 99 MA's), (Start: 27 @7101 has 1 MA's), (45, 7188), (47, 7203), (49, 7212), (54, 7236), (67, 7332), (68, 7335), (76, 7395), (77, 7407), (78, 7410), (79, 7413), (92, 7539), (95, 7566), (103, 7623), (114, 7749), (119, 7788), (128, 7836), (129, 7842), (144, 7959), (146, 7977), (151, 7989), (175, 8175), (196, 8310), (213, 8403), (221, 8442), (225, 8475), (231, 8520), (237, 8556), (246, 8619), (247, 8625), (248, 8631), (249, 8634), (253, 8664), (268, 8769), (272, 8781), (311, 8904), (333, 9003), (342, 9039),

Gene: Grayson_114 Start: 71000, Stop: 72739, Start Num: 18

Candidate Starts for Grayson_114:

(Start: 18 @71000 has 3 MA's), (30, 71045), (37, 71099), (61, 71243), (64, 71273), (68, 71300), (70, 71309), (72, 71318), (79, 71378), (91, 71477), (96, 71519), (98, 71549), (99, 71558), (132, 71783), (150, 71900), (158, 71924), (161, 71957), (162, 71963), (197, 72170), (198, 72176), (210, 72230), (218, 72275), (225, 72317), (226, 72320), (229, 72350), (254, 72476), (278, 72611), (302, 72677), (309, 72680), (314, 72692),

Gene: Guillaume_7 Start: 6299, Stop: 8275, Start Num: 19

Candidate Starts for Guillaume_7:

(15, 6293), (Start: 19 @6299 has 99 MA's), (31, 6356), (45, 6413), (47, 6428), (50, 6440), (67, 6557), (68, 6560), (77, 6632), (78, 6635), (79, 6638), (90, 6752), (92, 6764), (95, 6791), (111, 6950), (114, 6974), (119, 7013), (129, 7067), (141, 7169), (151, 7214), (153, 7235), (180, 7448), (196, 7535), (246, 7844), (248, 7856), (249, 7859), (257, 7910), (259, 7919), (268, 7994), (272, 8006), (273, 8012), (284, 8057), (294, 8090), (311, 8132), (334, 8240), (343, 8270),

Gene: Hail2Pitt_7 Start: 6282, Stop: 8258, Start Num: 19

Candidate Starts for Hail2Pitt_7:

(15, 6276), (Start: 19 @6282 has 99 MA's), (31, 6339), (45, 6396), (47, 6411), (50, 6423), (67, 6540), (68, 6543), (77, 6615), (78, 6618), (79, 6621), (90, 6735), (92, 6747), (95, 6774), (111, 6933), (114, 6957), (119, 6996), (129, 7050), (141, 7152), (151, 7197), (153, 7218), (180, 7431), (196, 7518), (248, 7839), (249, 7842), (257, 7893), (268, 7977), (272, 7989), (284, 8040), (294, 8073), (311, 8115), (343, 8253),

Gene: HangryHippo_96 Start: 69037, Stop: 70857, Start Num: 21

Candidate Starts for HangryHippo_96:

(Start: 21 @69037 has 80 MA's), (29, 69070), (36, 69118), (38, 69142), (40, 69151), (62, 69283), (69, 69343), (108, 69685), (145, 69934), (163, 70036), (168, 70081), (201, 70270), (205, 70285), (222, 70366), (226, 70396), (230, 70429), (237, 70474), (240, 70498), (245, 70528), (252, 70546), (255, 70561), (259, 70579), (265, 70624), (295, 70759), (308, 70789), (314, 70810),

Gene: Harambe_7 Start: 6303, Stop: 8279, Start Num: 19

Candidate Starts for Harambe_7:

(15, 6297), (Start: 19 @6303 has 99 MA's), (31, 6360), (45, 6417), (47, 6432), (50, 6444), (67, 6561), (68, 6564), (77, 6636), (78, 6639), (79, 6642), (90, 6756), (92, 6768), (95, 6795), (111, 6954), (114, 6978), (119, 7017), (129, 7071), (141, 7173), (151, 7218), (153, 7239), (180, 7452), (196, 7539), (248, 7860), (249, 7863), (257, 7914), (268, 7998), (272, 8010), (284, 8061), (294, 8094), (311, 8136), (334, 8244), (343, 8274),

Gene: HayZem_11 Start: 7303, Stop: 9270, Start Num: 19

Candidate Starts for HayZem_11:

(4, 7219), (Start: 19 @7303 has 99 MA's), (Start: 27 @7330 has 1 MA's), (31, 7360), (47, 7432), (67, 7561), (77, 7636), (78, 7639), (79, 7642), (90, 7756), (92, 7768), (119, 8017), (120, 8020), (128, 8065), (129, 8071), (141, 8173), (149, 8215), (151, 8218), (153, 8239), (196, 8539), (207, 8602), (209, 8608), (236, 8779), (246, 8848), (248, 8860), (266, 8986), (291, 9076), (299, 9103), (311, 9121), (331, 9214), (337, 9235),

Gene: Hello_7 Start: 6289, Stop: 8265, Start Num: 19

Candidate Starts for Hello_7:

(15, 6283), (Start: 19 @6289 has 99 MA's), (31, 6346), (45, 6403), (47, 6418), (50, 6430), (67, 6547), (68, 6550), (77, 6622), (78, 6625), (79, 6628), (90, 6742), (92, 6754), (103, 6838), (111, 6940), (114, 6964), (119, 7003), (129, 7057), (141, 7159), (151, 7204), (153, 7225), (180, 7438), (196, 7525), (246, 7834), (248, 7846), (249, 7849), (257, 7900), (259, 7909), (268, 7984), (272, 7996), (273, 8002), (284, 8047), (294, 8080), (311, 8122), (334, 8230), (343, 8260),

Gene: Hollow_10 Start: 8733, Stop: 10700, Start Num: 19

Candidate Starts for Hollow_10:

(Start: 19 @8733 has 99 MA's), (26, 8757), (31, 8790), (45, 8847), (47, 8862), (59, 8931), (67, 8991), (68, 8994), (77, 9066), (78, 9069), (79, 9072), (92, 9192), (95, 9219), (104, 9300), (106, 9324), (119, 9441), (120, 9444), (127, 9483), (128, 9489), (135, 9549), (141, 9597), (151, 9642), (153, 9663), (159, 9702), (166, 9765), (169, 9777), (196, 9963), (208, 10029), (217, 10077), (225, 10128), (226, 10131), (228, 10155), (240, 10239), (248, 10284), (249, 10287), (257, 10338), (259, 10347), (265, 10398), (266, 10410), (270, 10428), (275, 10452), (292, 10503), (326, 10629), (333, 10650), (341, 10680),

Gene: Hotorobo_10 Start: 7085, Stop: 9058, Start Num: 19

Candidate Starts for Hotorobo_10:

(12, 7067), (Start: 19 @7085 has 99 MA's), (Start: 27 @7112 has 1 MA's), (45, 7199), (47, 7214), (49, 7223), (54, 7247), (67, 7343), (68, 7346), (76, 7406), (77, 7418), (78, 7421), (79, 7424), (92, 7550), (95, 7577), (103, 7634), (114, 7760), (119, 7799), (128, 7847), (129, 7853), (144, 7970), (151, 8000), (175, 8186), (196, 8321), (213, 8414), (221, 8453), (225, 8486), (231, 8531), (237, 8567), (246, 8630), (247,

8636), (248, 8642), (249, 8645), (253, 8675), (268, 8780), (272, 8792), (311, 8915), (333, 9014), (342, 9050),

Gene: IchabodCrane_97 Start: 68962, Stop: 70782, Start Num: 21

Candidate Starts for IchabodCrane_97:

(Start: 19 @68959 has 99 MA's), (Start: 21 @68962 has 80 MA's), (37, 69061), (38, 69067), (68, 69262), (70, 69271), (93, 69466), (108, 69610), (109, 69625), (145, 69859), (160, 69943), (163, 69961), (177, 70084), (189, 70135), (192, 70150), (201, 70195), (202, 70198), (205, 70210), (222, 70291), (230, 70354), (235, 70390), (240, 70423), (257, 70495), (259, 70504), (265, 70549), (304, 70705), (314, 70735),

Gene: Jada_89 Start: 62960, Stop: 64771, Start Num: 21

Candidate Starts for Jada_89:

(6, 62894), (Start: 13 @62948 has 4 MA's), (Start: 21 @62960 has 80 MA's), (36, 63041), (68, 63260), (77, 63332), (107, 63599), (108, 63608), (115, 63659), (163, 63959), (181, 64100), (200, 64184), (208, 64220), (230, 64352), (231, 64361), (232, 64376), (241, 64427), (252, 64469), (259, 64502), (265, 64547), (298, 64685), (304, 64700), (314, 64724),

Gene: Jams_7 Start: 6308, Stop: 8284, Start Num: 19

Candidate Starts for Jams_7:

(15, 6302), (Start: 19 @6308 has 99 MA's), (31, 6365), (45, 6422), (47, 6437), (50, 6449), (67, 6566), (68, 6569), (77, 6641), (78, 6644), (79, 6647), (90, 6761), (92, 6773), (95, 6800), (111, 6959), (114, 6983), (119, 7022), (129, 7076), (141, 7178), (151, 7223), (153, 7244), (180, 7457), (196, 7544), (246, 7853), (248, 7865), (249, 7868), (257, 7919), (259, 7928), (268, 8003), (272, 8015), (273, 8021), (284, 8066), (294, 8099), (311, 8141), (334, 8249), (343, 8279),

Gene: Jay2Jay_100 Start: 69790, Stop: 71610, Start Num: 21

Candidate Starts for Jay2Jay_100:

(Start: 21 @69790 has 80 MA's), (36, 69871), (38, 69895), (40, 69904), (62, 70036), (69, 70096), (108, 70438), (124, 70543), (145, 70687), (163, 70789), (171, 70864), (177, 70912), (201, 71023), (222, 71119), (230, 71182), (237, 71227), (240, 71251), (244, 71278), (245, 71281), (257, 71323), (259, 71332), (265, 71377), (280, 71452), (314, 71563),

Gene: Jellybones_10 Start: 7109, Stop: 9082, Start Num: 19

Candidate Starts for Jellybones_10:

(12, 7091), (Start: 19 @7109 has 99 MA's), (Start: 27 @7136 has 1 MA's), (45, 7223), (47, 7238), (49, 7247), (54, 7271), (67, 7367), (68, 7370), (72, 7388), (76, 7430), (77, 7442), (78, 7445), (79, 7448), (92, 7574), (95, 7601), (103, 7658), (114, 7784), (119, 7823), (128, 7871), (129, 7877), (144, 7994), (151, 8024), (175, 8210), (196, 8345), (213, 8438), (221, 8477), (225, 8510), (231, 8555), (237, 8591), (246, 8654), (247, 8660), (248, 8666), (249, 8669), (253, 8699), (268, 8804), (272, 8816), (311, 8939), (333, 9038), (342, 9074),

Gene: JimJam_100 Start: 69336, Stop: 71156, Start Num: 21

Candidate Starts for JimJam_100:

(Start: 19 @69333 has 99 MA's), (Start: 21 @69336 has 80 MA's), (37, 69435), (38, 69441), (68, 69636), (70, 69645), (93, 69840), (108, 69984), (109, 69999), (145, 70233), (160, 70317), (163, 70335), (177, 70458), (189, 70509), (192, 70524), (201, 70569), (202, 70572), (205, 70584), (222, 70665), (230, 70728), (235, 70764), (240, 70797), (257, 70869), (259, 70878), (265, 70923), (304, 71079), (314, 71109),

Gene: John316_10 Start: 7074, Stop: 9047, Start Num: 19

Candidate Starts for John316_10:

(12, 7056), (Start: 19 @7074 has 99 MA's), (Start: 27 @7101 has 1 MA's), (45, 7188), (47, 7203), (49, 7212), (54, 7236), (59, 7272), (67, 7332), (68, 7335), (76, 7395), (77, 7407), (78, 7410), (79, 7413), (92, 7539), (103, 7623), (114, 7749), (119, 7788), (128, 7836), (129, 7842), (144, 7959), (151, 7989), (175, 8175), (179, 8208), (182, 8235), (196, 8310), (213, 8403), (221, 8442), (225, 8475), (231, 8520), (237, 8556), (246, 8619), (247, 8625), (248, 8631), (249, 8634), (253, 8664), (268, 8769), (272, 8781), (311, 8904), (333, 9003), (342, 9039),

Gene: Jollison_99 Start: 69218, Stop: 71038, Start Num: 21

Candidate Starts for Jollison_99:

(Start: 19 @69215 has 99 MA's), (Start: 21 @69218 has 80 MA's), (37, 69317), (38, 69323), (68, 69518), (70, 69527), (93, 69722), (108, 69866), (109, 69881), (145, 70115), (160, 70199), (163, 70217), (177, 70340), (189, 70391), (192, 70406), (201, 70451), (202, 70454), (205, 70466), (222, 70547), (230, 70610), (235, 70646), (240, 70679), (257, 70751), (259, 70760), (265, 70805), (304, 70961), (314, 70991),

Gene: Jormungandr_7 Start: 6302, Stop: 8278, Start Num: 19

Candidate Starts for Jormungandr_7:

(15, 6296), (Start: 19 @6302 has 99 MA's), (31, 6359), (45, 6416), (47, 6431), (50, 6443), (67, 6560), (68, 6563), (77, 6635), (78, 6638), (79, 6641), (90, 6755), (92, 6767), (95, 6794), (111, 6953), (114, 6977), (119, 7016), (129, 7070), (141, 7172), (151, 7217), (153, 7238), (180, 7451), (196, 7538), (248, 7859), (249, 7862), (257, 7913), (268, 7997), (272, 8009), (284, 8060), (294, 8093), (311, 8135), (334, 8243), (343, 8273),

Gene: Jumbo_7 Start: 7988, Stop: 10030, Start Num: 2

Candidate Starts for Jumbo_7:

(Start: 2 @7988 has 1 MA's), (34, 8168), (59, 8327), (63, 8348), (67, 8387), (68, 8390), (72, 8408), (77, 8462), (79, 8468), (113, 8792), (117, 8813), (119, 8834), (131, 8894), (134, 8912), (155, 9038), (164, 9110), (177, 9218), (194, 9314), (196, 9320), (199, 9341), (214, 9419), (216, 9425), (222, 9455), (234, 9551), (237, 9566), (240, 9596), (248, 9641), (266, 9767), (268, 9779), (272, 9791), (335, 10010),

Gene: Kampe_10 Start: 6495, Stop: 8519, Start Num: 3

Candidate Starts for Kampe_10:

(Start: 3 @6495 has 5 MA's), (34, 6660), (38, 6693), (44, 6729), (49, 6759), (59, 6819), (66, 6870), (67, 6879), (68, 6882), (77, 6954), (79, 6960), (85, 7014), (86, 7017), (92, 7092), (95, 7119), (102, 7173), (115, 7305), (116, 7311), (117, 7320), (119, 7341), (131, 7395), (144, 7491), (147, 7515), (193, 7812), (194, 7818), (196, 7824), (208, 7890), (211, 7899), (215, 7926), (230, 8025), (237, 8070), (240, 8100), (251, 8169), (258, 8202), (268, 8283), (271, 8292), (272, 8295), (288, 8352), (296, 8370), (310, 8397), (317, 8421), (336, 8502), (338, 8508),

Gene: Karimac_99 Start: 69367, Stop: 71187, Start Num: 21

Candidate Starts for Karimac_99:

(Start: 19 @69364 has 99 MA's), (Start: 21 @69367 has 80 MA's), (37, 69466), (38, 69472), (68, 69667), (70, 69676), (93, 69871), (108, 70015), (109, 70030), (145, 70264), (160, 70348), (163, 70366), (177, 70489), (189, 70540), (192, 70555), (202, 70603), (205, 70615), (222, 70696), (230, 70759), (235, 70795), (240, 70828), (257, 70900), (259, 70909), (265, 70954), (268, 70978), (304, 71110), (314, 71140),

Gene: Karp_86 Start: 63355, Stop: 65169, Start Num: 19

Candidate Starts for Karp_86:

(Start: 19 @63355 has 99 MA's), (28, 63388), (49, 63532), (58, 63583), (68, 63658), (70, 63667), (108, 64006), (115, 64057), (153, 64303), (154, 64306), (163, 64357), (191, 64537), (200, 64582), (205, 64606), (206, 64609), (230, 64750), (232, 64774), (241, 64825), (252, 64867), (259, 64900), (280, 65020), (298, 65083), (314, 65122),

Gene: Kaseim_7 Start: 6299, Stop: 8275, Start Num: 19

Candidate Starts for Kaseim_7:

(15, 6293), (Start: 19 @6299 has 99 MA's), (31, 6356), (45, 6413), (47, 6428), (50, 6440), (67, 6557), (77, 6632), (78, 6635), (79, 6638), (90, 6752), (92, 6764), (103, 6848), (111, 6950), (114, 6974), (119, 7013), (129, 7067), (141, 7169), (151, 7214), (153, 7235), (180, 7448), (196, 7535), (246, 7844), (248, 7856), (249, 7859), (257, 7910), (259, 7919), (268, 7994), (272, 8006), (273, 8012), (284, 8057), (294, 8090), (311, 8132), (334, 8240), (343, 8270),

Gene: Katyusha_10 Start: 8798, Stop: 10765, Start Num: 19

Candidate Starts for Katyusha_10:

(Start: 19 @8798 has 99 MA's), (26, 8822), (31, 8855), (47, 8927), (59, 8996), (67, 9056), (68, 9059), (72, 9077), (77, 9131), (78, 9134), (79, 9137), (92, 9257), (95, 9284), (104, 9365), (106, 9389), (119, 9506), (120, 9509), (127, 9548), (141, 9662), (151, 9707), (153, 9728), (159, 9767), (166, 9830), (169, 9842), (179, 9926), (196, 10028), (208, 10094), (217, 10142), (225, 10193), (226, 10196), (228, 10220), (240, 10304), (248, 10349), (249, 10352), (265, 10463), (266, 10475), (270, 10493), (275, 10517), (292, 10568), (295, 10580), (306, 10607), (326, 10694), (333, 10715), (341, 10745),

Gene: Kelzog_10 Start: 7086, Stop: 9059, Start Num: 19

Candidate Starts for Kelzog_10:

(12, 7068), (Start: 19 @7086 has 99 MA's), (Start: 27 @7113 has 1 MA's), (45, 7200), (47, 7215), (49, 7224), (54, 7248), (67, 7344), (68, 7347), (76, 7407), (77, 7419), (78, 7422), (79, 7425), (92, 7551), (95, 7578), (103, 7635), (114, 7761), (119, 7800), (128, 7848), (129, 7854), (144, 7971), (151, 8001), (175, 8187), (180, 8235), (196, 8322), (213, 8415), (221, 8454), (225, 8487), (231, 8532), (237, 8568), (246, 8631), (247, 8637), (248, 8643), (249, 8646), (253, 8676), (268, 8781), (272, 8793), (311, 8916), (333, 9015), (342, 9051),

Gene: Kenrey_90 Start: 62649, Stop: 64472, Start Num: 13

Candidate Starts for Kenrey_90:

(6, 62595), (11, 62640), (Start: 13 @62649 has 4 MA's), (Start: 21 @62661 has 80 MA's), (36, 62742), (37, 62760), (49, 62835), (68, 62961), (77, 63033), (108, 63309), (114, 63357), (115, 63360), (147, 63579), (160, 63642), (163, 63660), (181, 63801), (191, 63840), (200, 63885), (220, 63984), (230, 64053), (231, 64062), (237, 64098), (241, 64128), (243, 64134), (252, 64170), (259, 64203), (265, 64248), (293, 64368), (298, 64386), (314, 64425),

Gene: KentuckyRacer_100 Start: 69148, Stop: 70971, Start Num: 19

Candidate Starts for KentuckyRacer_100:

(Start: 19 @69148 has 99 MA's), (Start: 21 @69151 has 80 MA's), (37, 69250), (38, 69256), (68, 69451), (70, 69460), (93, 69655), (108, 69799), (109, 69814), (145, 70048), (160, 70132), (163, 70150), (177, 70273), (189, 70324), (192, 70339), (201, 70384), (202, 70387), (205, 70399), (222, 70480), (230, 70543), (235, 70579), (240, 70612), (257, 70684), (259, 70693), (265, 70738), (304, 70894), (314, 70924),

Gene: Kvothe_10 Start: 8735, Stop: 10702, Start Num: 19

Candidate Starts for Kvothe_10:

(Start: 19 @8735 has 99 MA's), (26, 8759), (31, 8792), (47, 8864), (59, 8933), (67, 8993), (68, 8996), (72, 9014), (77, 9068), (78, 9071), (79, 9074), (92, 9194), (95, 9221), (104, 9302), (106, 9326), (119, 9443), (120, 9446), (127, 9485), (141, 9599), (151, 9644), (153, 9665), (159, 9704), (166, 9767), (169, 9779), (179, 9863), (196, 9965), (208, 10031), (217, 10079), (225, 10130), (226, 10133), (228, 10157), (240, 10241), (248, 10286), (249, 10289), (265, 10400), (266, 10412), (270, 10430), (275, 10454), (292, 10505), (295, 10517), (306, 10544), (326, 10631), (333, 10652), (341, 10682),

Gene: Lahirium_7 Start: 6303, Stop: 8279, Start Num: 19

Candidate Starts for Lahirium_7:

(15, 6297), (Start: 19 @6303 has 99 MA's), (31, 6360), (45, 6417), (47, 6432), (50, 6444), (67, 6561), (68, 6564), (77, 6636), (78, 6639), (79, 6642), (90, 6756), (92, 6768), (95, 6795), (111, 6954), (114, 6978), (119, 7017), (129, 7071), (141, 7173), (151, 7218), (153, 7239), (180, 7452), (196, 7539), (248, 7860), (249, 7863), (257, 7914), (268, 7998), (272, 8010), (284, 8061), (294, 8094), (311, 8136), (343, 8274),

Gene: Larnav_96 Start: 69022, Stop: 70842, Start Num: 21

Candidate Starts for Larnav_96:

(Start: 21 @69022 has 80 MA's), (29, 69055), (36, 69103), (38, 69127), (40, 69136), (62, 69268), (69, 69328), (108, 69670), (145, 69919), (163, 70021), (168, 70066), (201, 70255), (205, 70270), (222, 70351), (226, 70381), (230, 70414), (237, 70459), (240, 70483), (245, 70513), (252, 70531), (255, 70546), (259, 70564), (265, 70609), (295, 70744), (308, 70774), (314, 70795),

Gene: Leo04_97 Start: 69537, Stop: 71357, Start Num: 21

Candidate Starts for Leo04_97:

(Start: 21 @69537 has 80 MA's), (29, 69570), (36, 69618), (38, 69642), (40, 69651), (62, 69783), (69, 69843), (108, 70185), (145, 70434), (163, 70536), (168, 70581), (201, 70770), (205, 70785), (222, 70866), (226, 70896), (230, 70929), (237, 70974), (240, 70998), (245, 71028), (252, 71046), (255, 71061), (259, 71079), (265, 71124), (295, 71259), (308, 71289), (314, 71310),

Gene: Liandry_95 Start: 69171, Stop: 70991, Start Num: 21

Candidate Starts for Liandry_95:

(Start: 21 @69171 has 80 MA's), (29, 69204), (36, 69252), (38, 69276), (40, 69285), (70, 69480), (102, 69738), (108, 69819), (163, 70170), (177, 70293), (201, 70404), (222, 70500), (230, 70563), (237, 70608), (240, 70632), (256, 70698), (259, 70713), (265, 70758), (295, 70893), (304, 70914), (313, 70941), (314, 70944),

Gene: Lidong_7 Start: 6288, Stop: 8264, Start Num: 19

Candidate Starts for Lidong_7:

(15, 6282), (Start: 19 @6288 has 99 MA's), (31, 6345), (45, 6402), (47, 6417), (50, 6429), (67, 6546), (68, 6549), (77, 6621), (78, 6624), (79, 6627), (90, 6741), (92, 6753), (103, 6837), (111, 6939), (114, 6963), (119, 7002), (129, 7056), (141, 7158), (151, 7203), (153, 7224), (180, 7437), (196, 7524), (246, 7833), (248, 7845), (249, 7848), (257, 7899), (259, 7908), (268, 7983), (272, 7995), (273, 8001), (284, 8046), (294, 8079), (311, 8121), (334, 8229), (343, 8259),

Gene: LilMartin_94 Start: 67945, Stop: 69765, Start Num: 21

Candidate Starts for LilMartin_94:

(Start: 21 @67945 has 80 MA's), (36, 68026), (38, 68050), (40, 68059), (69, 68251), (71, 68257), (108, 68593), (142, 68833), (145, 68842), (163, 68944), (168, 68989), (177, 69067), (201, 69178), (222, 69274), (240, 69406), (245, 69436), (252, 69454), (255, 69469), (259, 69487), (265, 69532), (304, 69688), (313, 69715), (314, 69718),

Gene: LilSaint_95 Start: 68201, Stop: 70021, Start Num: 21

Candidate Starts for LilSaint_95:

(Start: 21 @68201 has 80 MA's), (29, 68234), (38, 68306), (40, 68315), (69, 68507), (108, 68849), (109, 68864), (132, 69011), (141, 69080), (145, 69098), (163, 69200), (177, 69323), (201, 69434), (222, 69530), (230, 69593), (237, 69638), (240, 69662), (245, 69692), (252, 69710), (255, 69725), (259, 69743), (265, 69788), (280, 69863), (313, 69971), (314, 69974),

Gene: Limpid_85 Start: 62314, Stop: 64134, Start Num: 14

Candidate Starts for Limpid_85:

(11, 62302), (Start: 14 @62314 has 4 MA's), (Start: 20 @62323 has 1 MA's), (28, 62353), (37, 62422), (58, 62548), (71, 62635), (108, 62971), (142, 63211), (154, 63271), (163, 63322), (181, 63463), (184, 63478), (192, 63511), (200, 63547), (206, 63574), (230, 63715), (237, 63760), (241, 63790), (253, 63835), (256, 63850), (259, 63865), (265, 63910), (283, 63994), (298, 64048), (314, 64087),

Gene: Linetti_11 Start: 7222, Stop: 9198, Start Num: 19

Candidate Starts for Linetti_11:

(Start: 19 @7222 has 99 MA's), (Start: 27 @7249 has 1 MA's), (45, 7336), (47, 7351), (54, 7384), (67, 7480), (68, 7483), (77, 7555), (78, 7558), (79, 7561), (92, 7687), (95, 7714), (114, 7897), (119, 7936), (129, 7990), (144, 8107), (151, 8137), (175, 8323), (196, 8458), (213, 8551), (221, 8590), (225, 8623), (226, 8626), (237, 8704), (246, 8767), (247, 8773), (248, 8779), (249, 8782), (253, 8812), (257, 8833), (259, 8842), (268, 8917), (272, 8929), (292, 9004), (293, 9007), (311, 9055), (342, 9190),

Gene: Lizzo_10 Start: 7074, Stop: 9047, Start Num: 19

Candidate Starts for Lizzo_10:

(12, 7056), (Start: 19 @7074 has 99 MA's), (Start: 27 @7101 has 1 MA's), (45, 7188), (47, 7203), (49, 7212), (54, 7236), (67, 7332), (68, 7335), (76, 7395), (77, 7407), (78, 7410), (79, 7413), (92, 7539), (95, 7566), (103, 7623), (114, 7749), (119, 7788), (128, 7836), (129, 7842), (144, 7959), (151, 7989), (175, 8175), (196, 8310), (213, 8403), (221, 8442), (225, 8475), (231, 8520), (237, 8556), (246, 8619), (247, 8625), (248, 8631), (249, 8634), (253, 8664), (268, 8769), (272, 8781), (311, 8904), (333, 9003), (342, 9039),

Gene: LukeCage_99 Start: 69124, Stop: 70944, Start Num: 21

Candidate Starts for LukeCage_99:

(Start: 19 @69121 has 99 MA's), (Start: 21 @69124 has 80 MA's), (36, 69205), (37, 69223), (38, 69229), (70, 69433), (77, 69496), (93, 69628), (102, 69691), (108, 69772), (145, 70021), (160, 70105), (163, 70123), (176, 70231), (177, 70246), (192, 70312), (222, 70453), (230, 70516), (236, 70555), (237, 70561), (240, 70585), (257, 70657), (259, 70666), (265, 70711), (266, 70723), (280, 70786), (314, 70897),

Gene: Luker_7 Start: 6282, Stop: 8258, Start Num: 19

Candidate Starts for Luker_7:

(15, 6276), (Start: 19 @6282 has 99 MA's), (31, 6339), (45, 6396), (47, 6411), (50, 6423), (67, 6540), (77, 6615), (78, 6618), (79, 6621), (90, 6735), (92, 6747), (103, 6831), (111, 6933), (114, 6957), (119, 6996), (129, 7050), (141, 7152), (151, 7197), (153, 7218), (180, 7431), (196, 7518), (246, 7827), (248, 7839), (249, 7842), (257, 7893), (259, 7902), (268, 7977), (272, 7989), (273, 7995), (284, 8040), (294, 8073), (311, 8115), (334, 8223), (343, 8253),

Gene: Lululemon_95 Start: 68418, Stop: 70238, Start Num: 21

Candidate Starts for Lululemon_95:

(Start: 21 @68418 has 80 MA's), (29, 68451), (36, 68499), (38, 68523), (40, 68532), (62, 68664), (69, 68724), (108, 69066), (145, 69315), (163, 69417), (168, 69462), (201, 69651), (205, 69666), (222, 69747), (226, 69777), (230, 69810), (237, 69855), (240, 69879), (245, 69909), (252, 69927), (255, 69942), (259, 69960), (265, 70005), (295, 70140), (308, 70170), (314, 70191),

Gene: Magritte_12 Start: 7051, Stop: 8949, Start Num: 10

Candidate Starts for Magritte_12:

(Start: 10 @7051 has 1 MA's), (33, 7135), (35, 7147), (39, 7186), (43, 7213), (44, 7219), (48, 7246), (51, 7258), (57, 7300), (60, 7315), (65, 7354), (67, 7375), (71, 7390), (73, 7423), (80, 7462), (81, 7483), (86, 7510), (87, 7528), (105, 7681), (110, 7741), (112, 7759), (182, 8248), (185, 8269), (187, 8278), (246, 8626), (259, 8674), (269, 8746), (287, 8818), (289, 8824), (300, 8860), (301, 8863), (303, 8866), (312, 8890), (317, 8908), (319, 8917),

Gene: Marsus_95 Start: 68194, Stop: 70014, Start Num: 21

Candidate Starts for Marsus_95:

(Start: 21 @68194 has 80 MA's), (36, 68275), (38, 68299), (40, 68308), (51, 68377), (69, 68500), (108, 68842), (142, 69082), (163, 69193), (168, 69238), (177, 69316), (201, 69427), (222, 69523), (240, 69655), (245, 69685), (252, 69703), (255, 69718), (259, 69736), (265, 69781), (304, 69937), (313, 69964), (314, 69967),

Gene: Maupel_88 Start: 62435, Stop: 64258, Start Num: 13

Candidate Starts for Maupel_88:

(6, 62381), (Start: 13 @62435 has 4 MA's), (Start: 21 @62447 has 80 MA's), (36, 62528), (68, 62747), (77, 62819), (107, 63086), (108, 63095), (115, 63146), (163, 63446), (181, 63587), (200, 63671), (208, 63707), (230, 63839), (231, 63848), (232, 63863), (241, 63914), (252, 63956), (259, 63989), (265, 64034), (298, 64172), (304, 64187), (314, 64211),

Gene: Mbo2_2 Start: 1395, Stop: 3455, Start Num: 5

Candidate Starts for Mbo2_2:

(Start: 5 @1395 has 3 MA's), (50, 1623), (64, 1716), (67, 1740), (73, 1788), (77, 1815), (79, 1821), (88, 1905), (99, 2031), (108, 2121), (117, 2187), (119, 2208), (121, 2217), (123, 2229), (131, 2292), (143, 2385), (155, 2460), (164, 2532), (168, 2565), (187, 2685), (194, 2724), (196, 2730), (199, 2751), (205, 2784), (215, 2832), (222, 2865), (227, 2904), (237, 2976), (248, 3051), (265, 3165), (266, 3177), (268, 3189), (272, 3201), (289, 3267), (300, 3300), (323, 3369), (330, 3414), (335, 3432), (340, 3447),

Gene: MeganTheeKilla_87 Start: 61808, Stop: 63619, Start Num: 21

Candidate Starts for MeganTheeKilla_87:

(6, 61742), (Start: 13 @61796 has 4 MA's), (Start: 21 @61808 has 80 MA's), (36, 61889), (68, 62108), (77, 62180), (107, 62447), (108, 62456), (115, 62507), (163, 62807), (181, 62948), (200, 63032), (208, 63068), (230, 63200), (231, 63209), (232, 63224), (241, 63275), (252, 63317), (259, 63350), (265, 63395), (298, 63533), (304, 63548), (314, 63572),

Gene: Mildred21_95 Start: 68171, Stop: 69991, Start Num: 21

Candidate Starts for Mildred21_95:

(Start: 21 @68171 has 80 MA's), (29, 68204), (36, 68252), (38, 68276), (40, 68285), (62, 68417), (69, 68477), (108, 68819), (141, 69050), (145, 69068), (160, 69152), (163, 69170), (177, 69293), (201, 69404), (222, 69500), (240, 69632), (252, 69680), (255, 69695), (257, 69704), (259, 69713), (265, 69758), (304, 69914), (313, 69941), (314, 69944),

Gene: MindFlayer_97 Start: 68866, Stop: 70689, Start Num: 19

Candidate Starts for MindFlayer_97:

(Start: 19 @68866 has 99 MA's), (Start: 21 @68869 has 80 MA's), (37, 68968), (38, 68974), (68, 69169), (70, 69178), (93, 69373), (108, 69517), (109, 69532), (145, 69766), (160, 69850), (163, 69868), (177, 69991), (189, 70042), (192, 70057), (201, 70102), (202, 70105), (205, 70117), (222, 70198), (230, 70261), (235, 70297), (240, 70330), (257, 70402), (259, 70411), (265, 70456), (304, 70612), (314, 70642),

Gene: Minos_7 Start: 6288, Stop: 8264, Start Num: 19

Candidate Starts for Minos_7:

(15, 6282), (Start: 19 @6288 has 99 MA's), (31, 6345), (45, 6402), (47, 6417), (50, 6429), (67, 6546), (77, 6621), (78, 6624), (79, 6627), (90, 6741), (92, 6753), (103, 6837), (111, 6939), (114, 6963), (119, 7002), (129, 7056), (141, 7158), (151, 7203), (153, 7224), (180, 7437), (196, 7524), (246, 7833), (248, 7845), (249, 7848), (257, 7899), (259, 7908), (268, 7983), (272, 7995), (273, 8001), (284, 8046), (294, 8079), (311, 8121), (334, 8229), (343, 8259),

Gene: Moab_88 Start: 63712, Stop: 65550, Start Num: 14

Candidate Starts for Moab_88:

(11, 63700), (Start: 13 @63709 has 4 MA's), (Start: 14 @63712 has 4 MA's), (Start: 21 @63721 has 80 MA's), (36, 63802), (40, 63835), (68, 64021), (69, 64027), (94, 64231), (108, 64369), (115, 64420), (163, 64720), (191, 64900), (200, 64945), (226, 65080), (230, 65113), (232, 65137), (241, 65188), (259, 65281), (265, 65326), (283, 65410), (298, 65464), (314, 65503),

Gene: Monty_9 Start: 7087, Stop: 9060, Start Num: 19

Candidate Starts for Monty_9:

(12, 7069), (Start: 19 @7087 has 99 MA's), (Start: 27 @7114 has 1 MA's), (45, 7201), (47, 7216), (49, 7225), (54, 7249), (67, 7345), (68, 7348), (76, 7408), (77, 7420), (78, 7423), (79, 7426), (92, 7552), (95, 7579), (103, 7636), (114, 7762), (119, 7801), (128, 7849), (129, 7855), (144, 7972), (151, 8002), (175, 8188), (196, 8323), (213, 8416), (221, 8455), (225, 8488), (231, 8533), (237, 8569), (246, 8632), (247, 8638), (248, 8644), (249, 8647), (253, 8677), (268, 8782), (272, 8794), (311, 8917), (333, 9016), (342, 9052),

Gene: MrWormie_7 Start: 6277, Stop: 8253, Start Num: 19

Candidate Starts for MrWormie_7:

(15, 6271), (Start: 19 @6277 has 99 MA's), (31, 6334), (45, 6391), (47, 6406), (50, 6418), (67, 6535), (68, 6538), (77, 6610), (78, 6613), (79, 6616), (90, 6730), (92, 6742), (95, 6769), (103, 6826), (111, 6928), (114, 6952), (119, 6991), (129, 7045), (141, 7147), (151, 7192), (153, 7213), (180, 7426), (196, 7513), (213, 7606), (248, 7834), (249, 7837), (257, 7888), (268, 7972), (272, 7984), (273, 7990), (284, 8035), (294, 8068), (311, 8110), (334, 8218), (343, 8248),

Gene: Msay19_11 Start: 7264, Stop: 9237, Start Num: 19

Candidate Starts for Msay19_11:

(12, 7246), (Start: 19 @7264 has 99 MA's), (Start: 27 @7291 has 1 MA's), (45, 7378), (47, 7393), (49, 7402), (54, 7426), (67, 7522), (68, 7525), (76, 7585), (77, 7597), (78, 7600), (79, 7603), (92, 7729), (95, 7756), (103, 7813), (114, 7939), (119, 7978), (128, 8026), (129, 8032), (144, 8149), (151, 8179), (175, 8365), (196, 8500), (213, 8593), (221, 8632), (225, 8665), (231, 8710), (237, 8746), (246, 8809), (247, 8815), (248, 8821), (249, 8824), (253, 8854), (268, 8959), (272, 8971), (311, 9094), (333, 9193), (342, 9229),

Gene: Mugiwara_99 Start: 69623, Stop: 71443, Start Num: 21

Candidate Starts for Mugiwara_99:

(Start: 19 @69620 has 99 MA's), (Start: 21 @69623 has 80 MA's), (37, 69722), (38, 69728), (52, 69815), (68, 69923), (70, 69932), (93, 70127), (94, 70133), (108, 70271), (109, 70286), (126, 70394), (142, 70511), (145, 70520), (160, 70604), (163, 70622), (176, 70730), (192, 70811), (200, 70847), (222, 70952), (230, 71015), (236, 71054), (240, 71084), (257, 71156), (259, 71165), (265, 71210), (268, 71234), (304, 71366), (314, 71396),

Gene: MulchMansion_94 Start: 67945, Stop: 69765, Start Num: 21

Candidate Starts for MulchMansion_94:

(Start: 21 @67945 has 80 MA's), (36, 68026), (38, 68050), (40, 68059), (69, 68251), (71, 68257), (108, 68593), (142, 68833), (145, 68842), (163, 68944), (168, 68989), (177, 69067), (201, 69178), (222, 69274), (240, 69406), (245, 69436), (252, 69454), (255, 69469), (259, 69487), (265, 69532), (304, 69688), (313, 69715), (314, 69718),

Gene: Muntaha_80 Start: 62088, Stop: 63893, Start Num: 21

Candidate Starts for Muntaha_80:

(Start: 21 @62088 has 80 MA's), (28, 62118), (33, 62151), (36, 62169), (37, 62187), (51, 62271), (58, 62313), (70, 62397), (71, 62400), (107, 62727), (108, 62736), (132, 62898), (154, 63036), (160, 63069), (163, 63087), (171, 63162), (181, 63228), (205, 63336), (206, 63339), (230, 63480), (232, 63504), (237, 63525), (241, 63555), (256, 63615), (259, 63630), (266, 63687), (285, 63768), (289,

63780), (314, 63846),

Gene: Navo_94 Start: 69090, Stop: 70910, Start Num: 21

Candidate Starts for Navo_94:

(Start: 21 @69090 has 80 MA's), (29, 69123), (36, 69171), (38, 69195), (40, 69204), (70, 69399), (102, 69657), (108, 69738), (163, 70089), (177, 70212), (201, 70323), (222, 70419), (230, 70482), (237, 70527), (240, 70551), (255, 70614), (259, 70632), (265, 70677), (295, 70812), (304, 70833), (313, 70860), (314, 70863),

Gene: Neoevie_7 Start: 6280, Stop: 8256, Start Num: 19

Candidate Starts for Neoevie_7:

(15, 6274), (Start: 19 @6280 has 99 MA's), (31, 6337), (45, 6394), (47, 6409), (50, 6421), (67, 6538), (68, 6541), (77, 6613), (78, 6616), (79, 6619), (90, 6733), (92, 6745), (95, 6772), (111, 6931), (114, 6955), (119, 6994), (129, 7048), (141, 7150), (151, 7195), (153, 7216), (180, 7429), (196, 7516), (248, 7837), (249, 7840), (257, 7891), (268, 7975), (272, 7987), (284, 8038), (294, 8071), (311, 8113), (334, 8221), (343, 8251),

Gene: Newt_7 Start: 6299, Stop: 8275, Start Num: 19

Candidate Starts for Newt_7:

(15, 6293), (Start: 19 @6299 has 99 MA's), (31, 6356), (45, 6413), (47, 6428), (50, 6440), (67, 6557), (68, 6560), (77, 6632), (78, 6635), (79, 6638), (90, 6752), (92, 6764), (95, 6791), (111, 6950), (114, 6974), (119, 7013), (129, 7067), (141, 7169), (151, 7214), (153, 7235), (180, 7448), (196, 7535), (246, 7844), (248, 7856), (249, 7859), (257, 7910), (259, 7919), (268, 7994), (272, 8006), (273, 8012), (284, 8057), (294, 8090), (311, 8132), (334, 8240), (343, 8270),

Gene: Niagara_10 Start: 8755, Stop: 10722, Start Num: 19

Candidate Starts for Niagara_10:

(Start: 19 @8755 has 99 MA's), (26, 8779), (31, 8812), (47, 8884), (59, 8953), (67, 9013), (68, 9016), (72, 9034), (77, 9088), (78, 9091), (79, 9094), (92, 9214), (95, 9241), (104, 9322), (106, 9346), (119, 9463), (120, 9466), (127, 9505), (141, 9619), (143, 9631), (151, 9664), (153, 9685), (159, 9724), (166, 9787), (169, 9799), (179, 9883), (196, 9985), (208, 10051), (217, 10099), (225, 10150), (226, 10153), (228, 10177), (240, 10261), (248, 10306), (249, 10309), (257, 10360), (259, 10369), (266, 10432), (270, 10450), (275, 10474), (292, 10525), (326, 10651), (333, 10672),

Gene: NiceHouse_103 Start: 73924, Stop: 75702, Start Num: 22

Candidate Starts for NiceHouse_103:

(17, 73915), (Start: 19 @73918 has 99 MA's), (Start: 22 @73924 has 4 MA's), (Start: 27 @73945 has 1 MA's), (29, 73954), (37, 74020), (55, 74143), (60, 74170), (61, 74176), (68, 74233), (71, 74245), (79, 74311), (80, 74317), (82, 74341), (84, 74356), (86, 74368), (92, 74419), (96, 74452), (99, 74491), (113, 74602), (119, 74641), (120, 74644), (136, 74746), (139, 74773), (145, 74806), (157, 74869), (161, 74905), (192, 75103), (212, 75202), (214, 75211), (218, 75229), (220, 75241), (222, 75247), (237, 75352), (244, 75403), (267, 75526), (280, 75574), (283, 75583), (292, 75613), (314, 75655), (320, 75679),

Gene: Nimi13_7 Start: 6300, Stop: 8276, Start Num: 19

Candidate Starts for Nimi13_7:

(15, 6294), (Start: 19 @6300 has 99 MA's), (31, 6357), (45, 6414), (47, 6429), (50, 6441), (67, 6558), (77, 6633), (78, 6636), (79, 6639), (90, 6753), (92, 6765), (103, 6849), (111, 6951), (114, 6975), (119, 7014), (129, 7068), (141, 7170), (151, 7215), (153, 7236), (180, 7449), (196, 7536), (248, 7857), (249, 7860), (257, 7911), (268, 7995), (272, 8007), (284, 8058), (294, 8091), (311, 8133), (343, 8271),

Gene: NootNoot_92 Start: 68085, Stop: 69905, Start Num: 21

Candidate Starts for NootNoot_92:

(Start: 21 @68085 has 80 MA's), (29, 68118), (36, 68166), (38, 68190), (40, 68199), (70, 68394), (102, 68652), (108, 68733), (163, 69084), (177, 69207), (201, 69318), (222, 69414), (230, 69477), (237, 69522), (240, 69546), (256, 69612), (259, 69627), (265, 69672), (295, 69807), (304, 69828), (313, 69855), (314, 69858),

Gene: Nova53_86 Start: 68921, Stop: 70735, Start Num: 23

Candidate Starts for Nova53_86:

(Start: 23 @68921 has 1 MA's), (33, 68978), (36, 68996), (60, 69176), (61, 69182), (64, 69212), (72, 69257), (79, 69317), (80, 69323), (85, 69371), (96, 69461), (107, 69557), (109, 69581), (119, 69650), (160, 69917), (161, 69920), (167, 69980), (188, 70106), (189, 70109), (191, 70115), (197, 70142), (214, 70232), (217, 70247), (222, 70268), (225, 70292), (230, 70328), (237, 70373), (239, 70391), (243, 70409), (244, 70424), (280, 70598), (283, 70607), (290, 70631), (312, 70682), (314, 70688), (322, 70721),

Gene: Orchid_10 Start: 6495, Stop: 8519, Start Num: 3

Candidate Starts for Orchid_10:

(Start: 3 @6495 has 5 MA's), (34, 6660), (38, 6693), (44, 6729), (49, 6759), (59, 6819), (66, 6870), (67, 6879), (68, 6882), (77, 6954), (79, 6960), (85, 7014), (86, 7017), (92, 7092), (95, 7119), (102, 7173), (115, 7305), (116, 7311), (117, 7320), (119, 7341), (131, 7395), (144, 7491), (147, 7515), (193, 7812), (194, 7818), (196, 7824), (208, 7890), (211, 7899), (215, 7926), (230, 8025), (237, 8070), (240, 8100), (251, 8169), (258, 8202), (268, 8283), (271, 8292), (272, 8295), (288, 8352), (296, 8370), (310, 8397), (317, 8421), (336, 8502), (338, 8508),

Gene: PacManQ_95 Start: 68418, Stop: 70238, Start Num: 21

Candidate Starts for PacManQ_95:

(Start: 21 @68418 has 80 MA's), (29, 68451), (36, 68499), (38, 68523), (40, 68532), (62, 68664), (69, 68724), (108, 69066), (145, 69315), (163, 69417), (168, 69462), (201, 69651), (205, 69666), (222, 69747), (226, 69777), (230, 69810), (237, 69855), (240, 69879), (245, 69909), (252, 69927), (255, 69942), (259, 69960), (265, 70005), (295, 70140), (308, 70170), (314, 70191),

Gene: Paradiddles_92 Start: 68349, Stop: 70169, Start Num: 21

Candidate Starts for Paradiddles_92:

(Start: 21 @68349 has 80 MA's), (29, 68382), (36, 68430), (38, 68454), (40, 68463), (70, 68658), (102, 68916), (108, 68997), (163, 69348), (177, 69471), (195, 69549), (201, 69582), (222, 69678), (230, 69741), (237, 69786), (240, 69810), (256, 69876), (259, 69891), (265, 69936), (295, 70071), (304, 70092), (313, 70119), (314, 70122),

Gene: Patelgo_88 Start: 63884, Stop: 65713, Start Num: 21

Candidate Starts for Patelgo_88:

(11, 63863), (Start: 13 @63872 has 4 MA's), (Start: 21 @63884 has 80 MA's), (36, 63965), (40, 63998), (68, 64184), (69, 64190), (94, 64394), (108, 64532), (115, 64583), (163, 64883), (191, 65063), (200, 65108), (226, 65243), (230, 65276), (232, 65300), (241, 65351), (259, 65444), (265, 65489), (283, 65573), (298, 65627), (314, 65666),

Gene: PatrickStar_10 Start: 6495, Stop: 8519, Start Num: 3

Candidate Starts for PatrickStar_10:

(Start: 3 @6495 has 5 MA's), (34, 6660), (38, 6693), (44, 6729), (49, 6759), (59, 6819), (66, 6870), (67, 6879), (68, 6882), (77, 6954), (79, 6960), (85, 7014), (86, 7017), (92, 7092), (95, 7119), (102, 7173), (115, 7305), (116, 7311), (117, 7320), (119, 7341), (131, 7395), (144, 7491), (147, 7515), (193, 7812), (194, 7818), (196, 7824), (208, 7890), (211, 7899), (215, 7926), (230, 8025), (237, 8070), (240, 8100), (251, 8169), (258, 8202), (268, 8283), (271, 8292), (272, 8295), (288, 8352), (296, 8370), (310, 8397), (317, 8421), (336, 8502), (338, 8508),

Gene: Peebs_95 Start: 68772, Stop: 70592, Start Num: 21

Candidate Starts for Peebs_95:

(Start: 21 @68772 has 80 MA's), (29, 68805), (36, 68853), (38, 68877), (40, 68886), (62, 69018), (69, 69078), (108, 69420), (145, 69669), (163, 69771), (168, 69816), (177, 69894), (201, 70005), (205, 70020), (222, 70101), (226, 70131), (230, 70164), (237, 70209), (240, 70233), (245, 70263), (252, 70281), (255, 70296), (259, 70314), (265, 70359), (295, 70494), (308, 70524), (314, 70545), (317, 70557),

Gene: Pepperwood_96 Start: 68905, Stop: 70725, Start Num: 21

Candidate Starts for Pepperwood_96:

(Start: 21 @68905 has 80 MA's), (29, 68938), (36, 68986), (38, 69010), (40, 69019), (62, 69151), (69, 69211), (108, 69553), (145, 69802), (163, 69904), (168, 69949), (177, 70027), (201, 70138), (205, 70153), (222, 70234), (226, 70264), (230, 70297), (237, 70342), (240, 70366), (245, 70396), (252, 70414), (255, 70429), (259, 70447), (265, 70492), (295, 70627), (308, 70657), (314, 70678), (317, 70690),

Gene: Peregrin_112 Start: 69410, Stop: 71149, Start Num: 18

Candidate Starts for Peregrin_112:

(Start: 18 @69410 has 3 MA's), (30, 69455), (37, 69509), (61, 69653), (64, 69683), (68, 69710), (70, 69719), (72, 69728), (77, 69782), (79, 69788), (91, 69887), (96, 69929), (98, 69959), (132, 70193), (158, 70334), (161, 70367), (162, 70373), (188, 70544), (198, 70586), (207, 70631), (210, 70640), (218, 70685), (226, 70730), (229, 70760), (233, 70790), (253, 70883), (254, 70886), (278, 71021), (302, 71087), (309, 71090), (314, 71102),

Gene: Persimmon_95 Start: 68018, Stop: 69838, Start Num: 21

Candidate Starts for Persimmon_95:

(Start: 21 @68018 has 80 MA's), (29, 68051), (36, 68099), (38, 68123), (40, 68132), (70, 68327), (102, 68585), (108, 68666), (163, 69017), (177, 69140), (201, 69251), (222, 69347), (230, 69410), (237, 69455), (240, 69479), (256, 69545), (259, 69560), (265, 69605), (295, 69740), (304, 69761), (313, 69788), (314, 69791),

Gene: Philon9_10 Start: 8293, Stop: 10245, Start Num: 19

Candidate Starts for Philon9_10:

(15, 8287), (Start: 19 @8293 has 99 MA's), (31, 8350), (36, 8377), (47, 8422), (67, 8551), (68, 8554), (72, 8572), (77, 8626), (78, 8629), (79, 8632), (92, 8752), (95, 8779), (103, 8836), (104, 8860), (106, 8884), (119, 9001), (120, 9004), (145, 9175), (151, 9202), (152, 9214), (153, 9223), (159, 9262), (166, 9325), (178, 9418), (196, 9523), (209, 9592), (211, 9598), (225, 9688), (226, 9691), (228, 9715), (237, 9769), (242, 9808), (248, 9844), (249, 9847), (257, 9898), (266, 9970), (267, 9979), (270, 9988), (279, 10030), (295, 10078), (306, 10105), (326, 10192), (332, 10210), (333, 10213),

Gene: Phredrick_88 Start: 61729, Stop: 63552, Start Num: 13

Candidate Starts for Phredrick_88:

(6, 61675), (Start: 13 @61729 has 4 MA's), (Start: 21 @61741 has 80 MA's), (36, 61822), (37, 61840), (49, 61915), (68, 62041), (77, 62113), (108, 62389), (114, 62437), (115, 62440), (147, 62659), (160, 62722), (163, 62740), (191, 62920), (200, 62965), (220, 63064), (230, 63133), (231, 63142), (232, 63157), (237, 63178), (241, 63208), (243, 63214), (252, 63250), (259, 63283), (265, 63328), (293, 63448), (298, 63466), (314, 63505),

Gene: PierreThree_10 Start: 7069, Stop: 9045, Start Num: 19

Candidate Starts for PierreThree_10:

(Start: 19 @7069 has 99 MA's), (Start: 27 @7096 has 1 MA's), (45, 7183), (47, 7198), (54, 7231), (67, 7327), (68, 7330), (77, 7402), (78, 7405), (79, 7408), (92, 7534), (95, 7561), (114, 7744), (119, 7783), (129, 7837), (144, 7954), (151, 7984), (175, 8170), (196, 8305), (213, 8398), (221, 8437), (225, 8470),

(226, 8473), (237, 8551), (246, 8614), (247, 8620), (248, 8626), (249, 8629), (253, 8659), (257, 8680), (259, 8689), (268, 8764), (272, 8776), (292, 8851), (311, 8902), (327, 8983), (342, 9037),

Gene: PinkiePie_95 Start: 69171, Stop: 70991, Start Num: 21

Candidate Starts for PinkiePie_95:

(Start: 21 @69171 has 80 MA's), (29, 69204), (36, 69252), (38, 69276), (40, 69285), (70, 69480), (102, 69738), (108, 69819), (163, 70170), (177, 70293), (201, 70404), (222, 70500), (230, 70563), (237, 70608), (240, 70632), (256, 70698), (259, 70713), (265, 70758), (295, 70893), (304, 70914), (313, 70941), (314, 70944),

Gene: PokyPuppy_9 Start: 6967, Stop: 8940, Start Num: 19

Candidate Starts for PokyPuppy_9:

(Start: 19 @6967 has 99 MA's), (Start: 27 @6994 has 1 MA's), (47, 7096), (54, 7129), (67, 7225), (68, 7228), (77, 7300), (78, 7303), (79, 7306), (92, 7432), (95, 7459), (103, 7516), (114, 7642), (119, 7681), (128, 7729), (129, 7735), (133, 7774), (144, 7852), (151, 7882), (175, 8068), (196, 8203), (221, 8335), (225, 8368), (226, 8371), (231, 8413), (240, 8479), (246, 8512), (248, 8524), (249, 8527), (265, 8638), (268, 8662), (272, 8674), (292, 8749), (311, 8797), (333, 8896), (342, 8932),

Gene: Poland_11 Start: 7240, Stop: 9213, Start Num: 19

Candidate Starts for Poland_11:

(12, 7222), (Start: 19 @7240 has 99 MA's), (Start: 27 @7267 has 1 MA's), (45, 7354), (47, 7369), (49, 7378), (54, 7402), (67, 7498), (68, 7501), (76, 7561), (77, 7573), (78, 7576), (79, 7579), (92, 7705), (95, 7732), (103, 7789), (114, 7915), (119, 7954), (128, 8002), (129, 8008), (144, 8125), (151, 8155), (175, 8341), (196, 8476), (213, 8569), (221, 8608), (225, 8641), (231, 8686), (237, 8722), (246, 8785), (247, 8791), (248, 8797), (249, 8800), (253, 8830), (268, 8935), (272, 8947), (311, 9070), (333, 9169), (342, 9205),

Gene: PumpkinSpice_99 Start: 69261, Stop: 71081, Start Num: 21

Candidate Starts for PumpkinSpice_99:

(Start: 19 @69258 has 99 MA's), (Start: 21 @69261 has 80 MA's), (37, 69360), (38, 69366), (68, 69561), (70, 69570), (93, 69765), (108, 69909), (109, 69924), (145, 70158), (160, 70242), (163, 70260), (177, 70383), (189, 70434), (192, 70449), (201, 70494), (202, 70497), (205, 70509), (222, 70590), (230, 70653), (235, 70689), (240, 70722), (257, 70794), (259, 70803), (265, 70848), (304, 71004), (314, 71034),

Gene: PynkPanther_95 Start: 69151, Stop: 70971, Start Num: 21

Candidate Starts for PynkPanther_95:

(Start: 21 @69151 has 80 MA's), (29, 69184), (36, 69232), (38, 69256), (40, 69265), (70, 69460), (102, 69718), (108, 69799), (163, 70150), (177, 70273), (201, 70384), (222, 70480), (230, 70543), (237, 70588), (240, 70612), (256, 70678), (259, 70693), (265, 70738), (295, 70873), (313, 70921), (314, 70924),

Gene: Quarant19_99 Start: 69252, Stop: 71072, Start Num: 21

Candidate Starts for Quarant19_99:

(Start: 19 @69249 has 99 MA's), (Start: 21 @69252 has 80 MA's), (37, 69351), (38, 69357), (68, 69552), (70, 69561), (93, 69756), (108, 69900), (109, 69915), (145, 70149), (160, 70233), (163, 70251), (177, 70374), (189, 70425), (192, 70440), (201, 70485), (202, 70488), (205, 70500), (222, 70581), (230, 70644), (235, 70680), (240, 70713), (257, 70785), (259, 70794), (265, 70839), (304, 70995), (314, 71025),

Gene: RemRem_10 Start: 7086, Stop: 9059, Start Num: 19

Candidate Starts for RemRem_10:

(12, 7068), (Start: 19 @7086 has 99 MA's), (Start: 27 @7113 has 1 MA's), (45, 7200), (47, 7215), (49, 7224), (54, 7248), (67, 7344), (68, 7347), (76, 7407), (77, 7419), (78, 7422), (79, 7425), (92, 7551), (95, 7578), (114, 7761), (119, 7800), (128, 7848), (129, 7854), (144, 7971), (151, 8001), (175, 8187), (196, 8322), (213, 8415), (221, 8454), (225, 8487), (231, 8532), (237, 8568), (246, 8631), (247, 8637), (248, 8643), (249, 8646), (253, 8676), (268, 8781), (272, 8793), (311, 8916), (333, 9015), (342, 9051),

Gene: Reynauld_15 Start: 9188, Stop: 11233, Start Num: 5

Candidate Starts for Reynauld_15:

(Start: 5 @9188 has 3 MA's), (25, 9263), (28, 9275), (34, 9314), (36, 9326), (41, 9359), (44, 9383), (64, 9509), (67, 9533), (68, 9536), (72, 9554), (77, 9608), (79, 9614), (89, 9704), (94, 9755), (97, 9773), (108, 9893), (118, 9965), (119, 9980), (123, 10001), (131, 10064), (139, 10127), (143, 10157), (144, 10160), (148, 10184), (159, 10247), (180, 10415), (196, 10493), (201, 10532), (205, 10547), (209, 10562), (215, 10595), (219, 10619), (248, 10814), (266, 10943), (272, 10967), (289, 11033), (291, 11039), (315, 11117), (321, 11147), (328, 11186), (339, 11222),

Gene: Rikishi_99 Start: 69167, Stop: 70987, Start Num: 21

Candidate Starts for Rikishi_99:

(Start: 19 @69164 has 99 MA's), (Start: 21 @69167 has 80 MA's), (37, 69266), (38, 69272), (68, 69467), (70, 69476), (93, 69671), (108, 69815), (109, 69830), (145, 70064), (160, 70148), (163, 70166), (177, 70289), (189, 70340), (192, 70355), (201, 70400), (202, 70403), (205, 70415), (222, 70496), (230, 70559), (235, 70595), (240, 70628), (257, 70700), (259, 70709), (265, 70754), (304, 70910), (314, 70940),

Gene: Riptide_93 Start: 67745, Stop: 69565, Start Num: 21

Candidate Starts for Riptide_93:

(Start: 21 @67745 has 80 MA's), (29, 67778), (38, 67850), (40, 67859), (69, 68051), (108, 68393), (109, 68408), (141, 68624), (145, 68642), (163, 68744), (177, 68867), (201, 68978), (222, 69074), (226, 69104), (230, 69137), (237, 69182), (240, 69206), (245, 69236), (252, 69254), (255, 69269), (259, 69287), (265, 69332), (313, 69515), (314, 69518),

Gene: RobinSparkles_14 Start: 7088, Stop: 9112, Start Num: 3

Candidate Starts for RobinSparkles_14:

(Start: 3 @7088 has 5 MA's), (34, 7253), (38, 7286), (42, 7310), (44, 7322), (49, 7352), (59, 7412), (66, 7463), (67, 7472), (68, 7475), (72, 7493), (77, 7547), (79, 7553), (83, 7586), (85, 7607), (86, 7610), (89, 7643), (92, 7685), (95, 7712), (102, 7766), (115, 7898), (116, 7904), (117, 7913), (119, 7934), (131, 7988), (144, 8084), (147, 8108), (193, 8405), (194, 8411), (196, 8417), (209, 8486), (211, 8492), (215, 8519), (230, 8618), (237, 8663), (240, 8693), (258, 8795), (262, 8816), (268, 8876), (271, 8885), (272, 8888), (288, 8945), (296, 8963), (310, 8990), (317, 9014), (336, 9095), (338, 9101),

Gene: RoyalG_11 Start: 7284, Stop: 9248, Start Num: 19

Candidate Starts for RoyalG_11:

(Start: 19 @7284 has 99 MA's), (Start: 27 @7311 has 1 MA's), (45, 7398), (47, 7413), (54, 7446), (59, 7482), (67, 7542), (68, 7545), (72, 7563), (77, 7617), (78, 7620), (79, 7623), (90, 7737), (92, 7749), (95, 7776), (119, 7998), (129, 8052), (144, 8169), (151, 8199), (175, 8385), (196, 8520), (213, 8613), (221, 8652), (225, 8685), (226, 8688), (231, 8730), (240, 8796), (246, 8829), (247, 8835), (248, 8841), (249, 8844), (253, 8874), (268, 8979), (272, 8991), (293, 9063), (311, 9105), (314, 9117), (327, 9186), (333, 9204), (342, 9240),

Gene: SaltySpittoon_99 Start: 69261, Stop: 71081, Start Num: 21

Candidate Starts for SaltySpittoon_99:

(Start: 19 @69258 has 99 MA's), (Start: 21 @69261 has 80 MA's), (37, 69360), (38, 69366), (68, 69561), (70, 69570), (93, 69765), (108, 69909), (109, 69924), (145, 70158), (160, 70242), (163, 70260), (177, 70383), (189, 70434), (192, 70449), (201, 70494), (202, 70497), (205, 70509), (222,

70590), (230, 70653), (235, 70689), (240, 70722), (257, 70794), (259, 70803), (265, 70848), (304, 71004), (314, 71034),

Gene: Sam12_10 Start: 7086, Stop: 9059, Start Num: 19

Candidate Starts for Sam12_10:

(8, 7053), (12, 7068), (Start: 19 @7086 has 99 MA's), (Start: 27 @7113 has 1 MA's), (45, 7200), (47, 7215), (49, 7224), (54, 7248), (67, 7344), (68, 7347), (76, 7407), (77, 7419), (78, 7422), (79, 7425), (92, 7551), (95, 7578), (103, 7635), (114, 7761), (119, 7800), (128, 7848), (129, 7854), (144, 7971), (151, 8001), (175, 8187), (182, 8247), (196, 8322), (213, 8415), (221, 8454), (225, 8487), (231, 8532), (237, 8568), (246, 8631), (247, 8637), (248, 8643), (249, 8646), (253, 8676), (268, 8781), (272, 8793), (311, 8916), (333, 9015), (342, 9051),

Gene: Samisti12_96 Start: 70214, Stop: 72034, Start Num: 21

Candidate Starts for Samisti12_96:

(Start: 21 @70214 has 80 MA's), (29, 70247), (36, 70295), (38, 70319), (40, 70328), (62, 70460), (69, 70520), (108, 70862), (145, 71111), (163, 71213), (168, 71258), (201, 71447), (205, 71462), (222, 71543), (226, 71573), (230, 71606), (237, 71651), (240, 71675), (245, 71705), (252, 71723), (255, 71738), (259, 71756), (265, 71801), (295, 71936), (308, 71966), (314, 71987),

Gene: Scheme_97 Start: 69619, Stop: 71439, Start Num: 21

Candidate Starts for Scheme_97:

(Start: 21 @69619 has 80 MA's), (29, 69652), (36, 69700), (38, 69724), (40, 69733), (62, 69865), (69, 69925), (108, 70267), (145, 70516), (163, 70618), (168, 70663), (201, 70852), (205, 70867), (222, 70948), (226, 70978), (230, 71011), (237, 71056), (240, 71080), (245, 71110), (252, 71128), (255, 71143), (259, 71161), (265, 71206), (295, 71341), (308, 71371), (314, 71392),

Gene: SeresaTree_88 Start: 63022, Stop: 64833, Start Num: 19

Candidate Starts for SeresaTree_88:

(Start: 19 @63022 has 99 MA's), (26, 63046), (Start: 27 @63049 has 1 MA's), (36, 63106), (53, 63220), (58, 63250), (69, 63331), (70, 63334), (93, 63529), (94, 63535), (108, 63673), (154, 63973), (163, 64024), (176, 64132), (191, 64204), (230, 64417), (232, 64441), (237, 64462), (240, 64486), (241, 64492), (252, 64534), (259, 64567), (314, 64786), (317, 64798),

Gene: Sham_82 Start: 62774, Stop: 64582, Start Num: 19

Candidate Starts for Sham_82:

(Start: 19 @62774 has 99 MA's), (Start: 27 @62798 has 1 MA's), (36, 62855), (53, 62969), (58, 62999), (69, 63080), (93, 63278), (94, 63284), (104, 63368), (108, 63422), (154, 63722), (163, 63773), (176, 63881), (191, 63953), (200, 63998), (230, 64166), (240, 64235), (241, 64241), (259, 64316), (314, 64535), (317, 64547),

Gene: Shelley_7 Start: 6322, Stop: 8298, Start Num: 19

Candidate Starts for Shelley_7:

(15, 6316), (Start: 19 @6322 has 99 MA's), (31, 6379), (45, 6436), (47, 6451), (50, 6463), (67, 6580), (77, 6655), (78, 6658), (79, 6661), (90, 6775), (92, 6787), (103, 6871), (111, 6973), (114, 6997), (119, 7036), (129, 7090), (141, 7192), (151, 7237), (153, 7258), (180, 7471), (196, 7558), (246, 7867), (248, 7879), (249, 7882), (257, 7933), (259, 7942), (268, 8017), (272, 8029), (273, 8035), (284, 8080), (294, 8113), (311, 8155), (334, 8263), (343, 8293),

Gene: Shuckle_94 Start: 69227, Stop: 71047, Start Num: 21

Candidate Starts for Shuckle_94:

(Start: 21 @69227 has 80 MA's), (29, 69260), (36, 69308), (38, 69332), (40, 69341), (62, 69473), (69, 69533), (71, 69539), (108, 69875), (145, 70124), (163, 70226), (177, 70349), (195, 70427), (201, 70460), (205, 70475), (222, 70556), (226, 70586), (230, 70619), (237, 70664), (240, 70688), (245,

70718), (252, 70736), (255, 70751), (257, 70760), (259, 70769), (265, 70814), (295, 70949), (308, 70979), (314, 71000), (317, 71012),

Gene: Sollertia_100 Start: 69201, Stop: 71024, Start Num: 19

Candidate Starts for Sollertia_100:

(Start: 19 @69201 has 99 MA's), (Start: 21 @69204 has 80 MA's), (37, 69303), (38, 69309), (70, 69513), (108, 69852), (142, 70092), (163, 70203), (176, 70311), (177, 70326), (189, 70377), (202, 70440), (206, 70455), (208, 70464), (222, 70533), (230, 70596), (237, 70641), (245, 70695), (259, 70746), (265, 70791), (268, 70815), (285, 70884), (314, 70977),

Gene: Sombrero_10 Start: 7120, Stop: 9093, Start Num: 19

Candidate Starts for Sombrero_10:

(12, 7102), (Start: 19 @7120 has 99 MA's), (Start: 27 @7147 has 1 MA's), (45, 7234), (47, 7249), (49, 7258), (54, 7282), (67, 7378), (68, 7381), (76, 7441), (77, 7453), (78, 7456), (79, 7459), (92, 7585), (95, 7612), (103, 7669), (114, 7795), (119, 7834), (128, 7882), (129, 7888), (144, 8005), (151, 8035), (175, 8221), (196, 8356), (213, 8449), (221, 8488), (225, 8521), (231, 8566), (237, 8602), (246, 8665), (247, 8671), (248, 8677), (249, 8680), (253, 8710), (268, 8815), (272, 8827), (311, 8950), (333, 9049), (342, 9085),

Gene: SparkleGoddess_88 Start: 63763, Stop: 65577, Start Num: 19

Candidate Starts for SparkleGoddess_88:

(Start: 19 @63763 has 99 MA's), (28, 63796), (49, 63940), (51, 63949), (58, 63991), (68, 64066), (70, 64075), (108, 64414), (115, 64465), (153, 64711), (154, 64714), (163, 64765), (200, 64990), (205, 65014), (206, 65017), (230, 65158), (232, 65182), (241, 65233), (252, 65275), (259, 65308), (280, 65428), (298, 65491), (314, 65530),

Gene: Spelly_100 Start: 69216, Stop: 71036, Start Num: 21

Candidate Starts for Spelly_100:

(Start: 19 @69213 has 99 MA's), (Start: 21 @69216 has 80 MA's), (37, 69315), (38, 69321), (68, 69516), (70, 69525), (93, 69720), (108, 69864), (109, 69879), (145, 70113), (160, 70197), (163, 70215), (177, 70338), (189, 70389), (192, 70404), (201, 70449), (202, 70452), (205, 70464), (222, 70545), (230, 70608), (235, 70644), (240, 70677), (257, 70749), (259, 70758), (265, 70803), (304, 70959), (314, 70989),

Gene: Spilled_101 Start: 69330, Stop: 71153, Start Num: 19

Candidate Starts for Spilled_101:

(Start: 19 @69330 has 99 MA's), (Start: 21 @69333 has 80 MA's), (37, 69432), (38, 69438), (68, 69633), (70, 69642), (93, 69837), (108, 69981), (109, 69996), (145, 70230), (160, 70314), (163, 70332), (177, 70455), (189, 70506), (192, 70521), (202, 70569), (205, 70581), (222, 70662), (230, 70725), (235, 70761), (240, 70794), (257, 70866), (259, 70875), (265, 70920), (268, 70944), (304, 71076), (314, 71106),

Gene: Squibbles_10 Start: 7074, Stop: 9047, Start Num: 19

Candidate Starts for Squibbles_10:

(12, 7056), (Start: 19 @7074 has 99 MA's), (24, 7086), (Start: 27 @7101 has 1 MA's), (45, 7188), (47, 7203), (49, 7212), (54, 7236), (67, 7332), (68, 7335), (76, 7395), (77, 7407), (78, 7410), (79, 7413), (92, 7539), (95, 7566), (103, 7623), (114, 7749), (119, 7788), (128, 7836), (129, 7842), (144, 7959), (151, 7989), (175, 8175), (196, 8310), (213, 8403), (221, 8442), (225, 8475), (231, 8520), (237, 8556), (246, 8619), (247, 8625), (248, 8631), (249, 8634), (253, 8664), (268, 8769), (272, 8781), (311, 8904), (333, 9003), (342, 9039),

Gene: Squillium_96 Start: 69172, Stop: 70992, Start Num: 21

Candidate Starts for Squillium_96:

(Start: 21 @69172 has 80 MA's), (29, 69205), (36, 69253), (38, 69277), (40, 69286), (70, 69481), (102, 69739), (108, 69820), (163, 70171), (177, 70294), (201, 70405), (222, 70501), (230, 70564), (237, 70609), (240, 70633), (256, 70699), (259, 70714), (265, 70759), (295, 70894), (304, 70915), (313, 70942), (314, 70945),

Gene: Srilaccoli3_14 Start: 8949, Stop: 10991, Start Num: 5

Candidate Starts for Srilaccoli3_14:

(Start: 5 @8949 has 3 MA's), (25, 9024), (28, 9036), (34, 9075), (36, 9087), (41, 9120), (44, 9144), (64, 9270), (67, 9294), (68, 9297), (77, 9369), (79, 9375), (89, 9465), (94, 9516), (97, 9534), (108, 9654), (118, 9726), (119, 9741), (123, 9762), (131, 9825), (139, 9888), (143, 9918), (148, 9945), (180, 10176), (196, 10254), (201, 10293), (205, 10308), (209, 10323), (215, 10356), (248, 10575), (266, 10704), (272, 10728), (291, 10800), (315, 10875), (321, 10905), (328, 10944), (339, 10980),

Gene: Stanimal_100 Start: 69093, Stop: 70913, Start Num: 21

Candidate Starts for Stanimal_100:

(Start: 19 @69090 has 99 MA's), (Start: 21 @69093 has 80 MA's), (37, 69192), (38, 69198), (70, 69402), (108, 69741), (142, 69981), (163, 70092), (176, 70200), (177, 70215), (189, 70266), (202, 70329), (206, 70344), (208, 70353), (222, 70422), (230, 70485), (237, 70530), (245, 70584), (259, 70635), (265, 70680), (268, 70704), (285, 70773), (314, 70866),

Gene: StarPlatinum_100 Start: 69769, Stop: 71589, Start Num: 21

Candidate Starts for StarPlatinum_100:

(Start: 19 @69766 has 99 MA's), (Start: 21 @69769 has 80 MA's), (36, 69850), (37, 69868), (38, 69874), (70, 70078), (93, 70273), (94, 70279), (102, 70336), (108, 70417), (145, 70666), (160, 70750), (163, 70768), (176, 70876), (177, 70891), (192, 70957), (202, 71005), (222, 71098), (226, 71128), (230, 71161), (231, 71170), (236, 71200), (237, 71206), (257, 71302), (259, 71311), (265, 71356), (266, 71368), (314, 71542),

Gene: Starbow_98 Start: 69234, Stop: 71057, Start Num: 19

Candidate Starts for Starbow_98:

(Start: 19 @69234 has 99 MA's), (Start: 21 @69237 has 80 MA's), (37, 69336), (38, 69342), (68, 69537), (70, 69546), (93, 69741), (108, 69885), (109, 69900), (145, 70134), (160, 70218), (163, 70236), (177, 70359), (189, 70410), (192, 70425), (201, 70470), (202, 70473), (205, 70485), (222, 70566), (230, 70629), (235, 70665), (240, 70698), (257, 70770), (259, 70779), (265, 70824), (304, 70980), (314, 71010),

Gene: SteveFrench_9 Start: 6878, Stop: 8842, Start Num: 19

Candidate Starts for SteveFrench_9:

(Start: 19 @6878 has 99 MA's), (Start: 27 @6905 has 1 MA's), (45, 6992), (47, 7007), (54, 7040), (67, 7136), (68, 7139), (77, 7211), (78, 7214), (79, 7217), (90, 7331), (92, 7343), (95, 7370), (103, 7427), (119, 7592), (129, 7646), (144, 7763), (151, 7793), (175, 7979), (196, 8114), (213, 8207), (221, 8246), (225, 8279), (226, 8282), (240, 8390), (246, 8423), (247, 8429), (248, 8435), (249, 8438), (253, 8468), (268, 8573), (272, 8585), (293, 8657), (311, 8699), (314, 8711), (327, 8780), (333, 8798), (342, 8834),

Gene: Sticker17_7 Start: 6299, Stop: 8275, Start Num: 19

Candidate Starts for Sticker17_7:

(15, 6293), (Start: 19 @6299 has 99 MA's), (31, 6356), (45, 6413), (47, 6428), (50, 6440), (67, 6557), (68, 6560), (77, 6632), (78, 6635), (79, 6638), (90, 6752), (92, 6764), (95, 6791), (111, 6950), (114, 6974), (119, 7013), (129, 7067), (141, 7169), (151, 7214), (153, 7235), (180, 7448), (196, 7535), (213, 7628), (246, 7844), (248, 7856), (249, 7859), (257, 7910), (259, 7919), (268, 7994), (272, 8006), (273, 8012), (284, 8057), (294, 8090), (311, 8132), (343, 8270),

Gene: Stigma_87 Start: 63771, Stop: 65585, Start Num: 19

Candidate Starts for Stigma_87:

(Start: 19 @63771 has 99 MA's), (28, 63804), (49, 63948), (58, 63999), (68, 64074), (70, 64083), (108, 64422), (115, 64473), (153, 64719), (154, 64722), (163, 64773), (200, 64998), (205, 65022), (206, 65025), (230, 65166), (232, 65190), (241, 65241), (252, 65283), (259, 65316), (280, 65436), (298, 65499), (314, 65538),

Gene: Sushi23_95 Start: 69130, Stop: 70950, Start Num: 21

Candidate Starts for Sushi23_95:

(Start: 21 @69130 has 80 MA's), (29, 69163), (36, 69211), (38, 69235), (40, 69244), (62, 69376), (69, 69436), (108, 69778), (145, 70027), (163, 70129), (168, 70174), (177, 70252), (201, 70363), (205, 70378), (222, 70459), (226, 70489), (230, 70522), (237, 70567), (240, 70591), (245, 70621), (252, 70639), (255, 70654), (259, 70672), (265, 70717), (295, 70852), (308, 70882), (314, 70903), (317, 70915),

Gene: Targaryen_96 Start: 69840, Stop: 71660, Start Num: 21

Candidate Starts for Targaryen_96:

(Start: 21 @69840 has 80 MA's), (38, 69945), (40, 69954), (62, 70086), (69, 70146), (71, 70152), (102, 70407), (108, 70488), (145, 70737), (163, 70839), (171, 70914), (177, 70962), (201, 71073), (222, 71169), (230, 71232), (237, 71277), (240, 71301), (244, 71328), (245, 71331), (257, 71373), (259, 71382), (265, 71427), (280, 71502), (314, 71613),

Gene: Teal_7 Start: 6276, Stop: 8252, Start Num: 19

Candidate Starts for Teal_7:

(15, 6270), (Start: 19 @6276 has 99 MA's), (31, 6333), (45, 6390), (47, 6405), (50, 6417), (67, 6534), (68, 6537), (77, 6609), (78, 6612), (79, 6615), (90, 6729), (92, 6741), (95, 6768), (111, 6927), (114, 6951), (119, 6990), (129, 7044), (141, 7146), (151, 7191), (153, 7212), (180, 7425), (196, 7512), (246, 7821), (248, 7833), (249, 7836), (257, 7887), (259, 7896), (268, 7971), (272, 7983), (273, 7989), (284, 8034), (294, 8067), (311, 8109), (334, 8217), (343, 8247),

Gene: Teatealatte_10 Start: 8718, Stop: 10685, Start Num: 19

Candidate Starts for Teatealatte_10:

(Start: 19 @8718 has 99 MA's), (26, 8742), (31, 8775), (47, 8847), (59, 8916), (67, 8976), (68, 8979), (72, 8997), (77, 9051), (78, 9054), (79, 9057), (92, 9177), (95, 9204), (104, 9285), (106, 9309), (119, 9426), (120, 9429), (127, 9468), (141, 9582), (151, 9627), (153, 9648), (159, 9687), (166, 9750), (169, 9762), (179, 9846), (196, 9948), (208, 10014), (217, 10062), (225, 10113), (226, 10116), (228, 10140), (240, 10224), (248, 10269), (249, 10272), (257, 10323), (259, 10332), (266, 10395), (270, 10413), (275, 10437), (292, 10488), (326, 10614), (333, 10635),

Gene: Teech_10 Start: 8790, Stop: 10757, Start Num: 19

Candidate Starts for Teech_10:

(Start: 19 @8790 has 99 MA's), (26, 8814), (31, 8847), (47, 8919), (59, 8988), (66, 9039), (67, 9048), (68, 9051), (77, 9123), (78, 9126), (79, 9129), (92, 9249), (95, 9276), (104, 9357), (106, 9381), (119, 9498), (120, 9501), (127, 9540), (135, 9606), (141, 9654), (151, 9699), (153, 9720), (159, 9759), (166, 9822), (169, 9834), (179, 9918), (196, 10020), (208, 10086), (217, 10134), (225, 10185), (226, 10188), (228, 10212), (240, 10296), (248, 10341), (249, 10344), (257, 10395), (265, 10455), (266, 10467), (267, 10476), (270, 10485), (275, 10509), (292, 10560), (295, 10572), (306, 10599), (326, 10686), (332, 10704), (333, 10707), (341, 10737),

Gene: Deutsch_96 Start: 69393, Stop: 71213, Start Num: 21

Candidate Starts for Deutsch_96:

(Start: 21 @69393 has 80 MA's), (29, 69426), (36, 69474), (38, 69498), (40, 69507), (62, 69639), (69, 69699), (108, 70041), (145, 70290), (163, 70392), (168, 70437), (201, 70626), (205, 70641), (222, 70722), (226, 70752), (230, 70785), (237, 70830), (240, 70854), (245, 70884), (252, 70902), (255,

70917), (259, 70935), (265, 70980), (295, 71115), (308, 71145), (314, 71166),

Gene: TomSawyer_98 Start: 68849, Stop: 70672, Start Num: 19

Candidate Starts for TomSawyer_98:

(Start: 19 @68849 has 99 MA's), (Start: 21 @68852 has 80 MA's), (37, 68951), (38, 68957), (68, 69152), (70, 69161), (93, 69356), (108, 69500), (109, 69515), (145, 69749), (160, 69833), (163, 69851), (177, 69974), (189, 70025), (192, 70040), (201, 70085), (202, 70088), (205, 70100), (222, 70181), (230, 70244), (235, 70280), (240, 70313), (257, 70385), (259, 70394), (265, 70439), (304, 70595), (314, 70625),

Gene: Tomas_101 Start: 71300, Stop: 73120, Start Num: 21

Candidate Starts for Tomas_101:

(Start: 19 @71297 has 99 MA's), (Start: 21 @71300 has 80 MA's), (38, 71405), (68, 71600), (71, 71612), (93, 71804), (99, 71858), (102, 71867), (108, 71948), (130, 72098), (138, 72146), (145, 72197), (160, 72281), (163, 72299), (177, 72422), (191, 72479), (192, 72488), (195, 72500), (222, 72629), (230, 72692), (240, 72761), (253, 72812), (256, 72827), (265, 72887), (291, 72998), (295, 73022), (314, 73073), (317, 73085),

Gene: Tredge_10 Start: 8718, Stop: 10685, Start Num: 19

Candidate Starts for Tredge_10:

(Start: 19 @8718 has 99 MA's), (26, 8742), (31, 8775), (47, 8847), (59, 8916), (67, 8976), (68, 8979), (72, 8997), (77, 9051), (78, 9054), (79, 9057), (92, 9177), (95, 9204), (104, 9285), (106, 9309), (119, 9426), (120, 9429), (127, 9468), (141, 9582), (151, 9627), (153, 9648), (159, 9687), (166, 9750), (169, 9762), (179, 9846), (196, 9948), (208, 10014), (217, 10062), (225, 10113), (226, 10116), (228, 10140), (240, 10224), (248, 10269), (249, 10272), (257, 10323), (259, 10332), (266, 10395), (270, 10413), (275, 10437), (292, 10488), (326, 10614), (333, 10635),

Gene: Tribute_94 Start: 68599, Stop: 70419, Start Num: 21

Candidate Starts for Tribute_94:

(Start: 21 @68599 has 80 MA's), (29, 68632), (36, 68680), (38, 68704), (40, 68713), (62, 68845), (69, 68905), (108, 69247), (145, 69496), (163, 69598), (168, 69643), (201, 69832), (205, 69847), (222, 69928), (226, 69958), (230, 69991), (237, 70036), (240, 70060), (245, 70090), (252, 70108), (255, 70123), (259, 70141), (265, 70186), (295, 70321), (308, 70351), (314, 70372),

Gene: Trina_116 Start: 77098, Stop: 78870, Start Num: 22

Candidate Starts for Trina_116:

(16, 77086), (17, 77089), (Start: 22 @77098 has 4 MA's), (30, 77140), (32, 77152), (34, 77164), (36, 77176), (37, 77194), (38, 77200), (41, 77215), (59, 77332), (61, 77341), (71, 77410), (79, 77476), (98, 77647), (99, 77656), (119, 77806), (120, 77809), (125, 77830), (145, 77971), (155, 78025), (161, 78070), (162, 78076), (191, 78259), (197, 78286), (198, 78292), (222, 78409), (223, 78418), (224, 78427), (229, 78466), (237, 78514), (253, 78589), (281, 78742), (290, 78772), (300, 78799), (307, 78808), (314, 78823),

Gene: Trogglehumper_29 Start: 15894, Stop: 17888, Start Num: 5

Candidate Starts for Trogglehumper_29:

(Start: 5 @15894 has 3 MA's), (46, 16074), (59, 16146), (67, 16206), (68, 16209), (70, 16218), (74, 16257), (77, 16281), (79, 16287), (88, 16371), (117, 16650), (119, 16671), (122, 16683), (139, 16785), (166, 16968), (168, 16977), (170, 16992), (177, 17049), (185, 17097), (196, 17157), (204, 17208), (205, 17211), (209, 17226), (215, 17259), (227, 17331), (228, 17349), (229, 17355), (230, 17358), (250, 17484), (253, 17511), (254, 17514), (264, 17574), (267, 17613), (268, 17616), (270, 17622), (277, 17655), (282, 17670), (290, 17697), (317, 17790), (318, 17796), (329, 17847),

Gene: Tuesday_103 Start: 69396, Stop: 71219, Start Num: 19

Candidate Starts for Tuesday_103:

(Start: 19 @69396 has 99 MA's), (Start: 21 @69399 has 80 MA's), (37, 69498), (38, 69504), (68, 69699), (70, 69708), (93, 69903), (108, 70047), (109, 70062), (145, 70296), (160, 70380), (163, 70398), (177, 70521), (189, 70572), (192, 70587), (201, 70632), (202, 70635), (205, 70647), (222, 70728), (230, 70791), (235, 70827), (240, 70860), (257, 70932), (259, 70941), (265, 70986), (304, 71142), (314, 71172),

Gene: TunaTartare_87 Start: 64188, Stop: 65996, Start Num: 19

Candidate Starts for TunaTartare_87:

(Start: 19 @64188 has 99 MA's), (Start: 27 @64212 has 1 MA's), (36, 64269), (58, 64413), (69, 64494), (93, 64692), (94, 64698), (104, 64782), (108, 64836), (154, 65136), (163, 65187), (176, 65295), (191, 65367), (203, 65430), (222, 65517), (230, 65580), (232, 65604), (240, 65649), (241, 65655), (259, 65730), (280, 65850), (314, 65949), (317, 65961),

Gene: Vitaenoi_10 Start: 8292, Stop: 10244, Start Num: 19

Candidate Starts for Vitaenoi_10:

(15, 8286), (Start: 19 @8292 has 99 MA's), (31, 8349), (36, 8376), (47, 8421), (67, 8550), (68, 8553), (72, 8571), (77, 8625), (78, 8628), (79, 8631), (92, 8751), (95, 8778), (103, 8835), (104, 8859), (106, 8883), (119, 9000), (120, 9003), (145, 9174), (151, 9201), (152, 9213), (153, 9222), (159, 9261), (166, 9324), (178, 9417), (196, 9522), (209, 9591), (211, 9597), (225, 9687), (226, 9690), (228, 9714), (237, 9768), (242, 9807), (248, 9843), (249, 9846), (257, 9897), (266, 9969), (267, 9978), (270, 9987), (279, 10029), (295, 10077), (306, 10104), (326, 10191), (332, 10209), (333, 10212),

Gene: Wakanda_78 Start: 61677, Stop: 63482, Start Num: 21

Candidate Starts for Wakanda_78:

(Start: 21 @61677 has 80 MA's), (28, 61707), (33, 61740), (36, 61758), (37, 61776), (51, 61860), (58, 61902), (70, 61986), (71, 61989), (107, 62316), (108, 62325), (132, 62487), (154, 62625), (160, 62658), (163, 62676), (171, 62751), (181, 62817), (205, 62925), (206, 62928), (230, 63069), (232, 63093), (237, 63114), (241, 63144), (256, 63204), (259, 63219), (266, 63276), (285, 63357), (314, 63435),

Gene: Warpy_99 Start: 69303, Stop: 71123, Start Num: 21

Candidate Starts for Warpy_99:

(Start: 21 @69303 has 80 MA's), (36, 69384), (38, 69408), (40, 69417), (62, 69549), (69, 69609), (108, 69951), (124, 70056), (145, 70200), (163, 70302), (171, 70377), (177, 70425), (201, 70536), (222, 70632), (230, 70695), (237, 70740), (240, 70764), (244, 70791), (245, 70794), (257, 70836), (259, 70845), (265, 70890), (280, 70965), (314, 71076),

Gene: WashU_95 Start: 68908, Stop: 70728, Start Num: 21

Candidate Starts for WashU_95:

(Start: 21 @68908 has 80 MA's), (29, 68941), (36, 68989), (38, 69013), (40, 69022), (62, 69154), (69, 69214), (108, 69556), (145, 69805), (163, 69907), (168, 69952), (177, 70030), (201, 70141), (205, 70156), (222, 70237), (226, 70267), (230, 70300), (237, 70345), (240, 70369), (245, 70399), (252, 70417), (255, 70432), (259, 70450), (265, 70495), (295, 70630), (308, 70660), (314, 70681), (317, 70693),

Gene: Watermoore_95 Start: 69609, Stop: 71429, Start Num: 21

Candidate Starts for Watermoore_95:

(Start: 21 @69609 has 80 MA's), (29, 69642), (36, 69690), (38, 69714), (40, 69723), (62, 69855), (69, 69915), (108, 70257), (145, 70506), (163, 70608), (168, 70653), (201, 70842), (205, 70857), (222, 70938), (226, 70968), (230, 71001), (237, 71046), (240, 71070), (245, 71100), (252, 71118), (255, 71133), (259, 71151), (265, 71196), (295, 71331), (308, 71361), (314, 71382),

Gene: Weasels2_114 Start: 70421, Stop: 72172, Start Num: 18

Candidate Starts for Weasels2_114:

(Start: 18 @70421 has 3 MA's), (30, 70466), (64, 70694), (79, 70799), (91, 70898), (109, 71057), (132, 71204), (150, 71321), (160, 71375), (161, 71378), (162, 71384), (198, 71606), (218, 71705), (226, 71750), (229, 71780), (254, 71906), (263, 71948), (278, 72041), (286, 72068), (302, 72110), (314, 72125), (322, 72158),

Gene: Westy_89 Start: 63763, Stop: 65577, Start Num: 19

Candidate Starts for Westy_89:

(Start: 19 @63763 has 99 MA's), (28, 63796), (51, 63949), (58, 63991), (68, 64066), (70, 64075), (108, 64414), (115, 64465), (153, 64711), (154, 64714), (163, 64765), (200, 64990), (205, 65014), (206, 65017), (230, 65158), (232, 65182), (241, 65233), (252, 65275), (259, 65308), (280, 65428), (298, 65491), (314, 65530),

Gene: WhereRU_93 Start: 68606, Stop: 70426, Start Num: 21

Candidate Starts for WhereRU_93:

(Start: 21 @68606 has 80 MA's), (29, 68639), (36, 68687), (38, 68711), (40, 68720), (70, 68915), (102, 69173), (108, 69254), (163, 69605), (177, 69728), (201, 69839), (222, 69935), (230, 69998), (237, 70043), (240, 70067), (255, 70130), (259, 70148), (265, 70193), (295, 70328), (304, 70349), (313, 70376), (314, 70379),

Gene: Wipeout_97 Start: 69600, Stop: 71423, Start Num: 19

Candidate Starts for Wipeout_97:

(Start: 19 @69600 has 99 MA's), (Start: 21 @69603 has 80 MA's), (37, 69702), (38, 69708), (68, 69903), (70, 69912), (93, 70107), (108, 70251), (109, 70266), (145, 70500), (160, 70584), (163, 70602), (177, 70725), (189, 70776), (192, 70791), (201, 70836), (202, 70839), (205, 70851), (222, 70932), (230, 70995), (235, 71031), (240, 71064), (255, 71127), (257, 71136), (259, 71145), (265, 71190), (304, 71346), (314, 71376),

Gene: Woes_7 Start: 6312, Stop: 8288, Start Num: 19

Candidate Starts for Woes_7:

(15, 6306), (Start: 19 @6312 has 99 MA's), (31, 6369), (45, 6426), (47, 6441), (50, 6453), (67, 6570), (68, 6573), (77, 6645), (78, 6648), (79, 6651), (90, 6765), (92, 6777), (95, 6804), (111, 6963), (114, 6987), (119, 7026), (129, 7080), (141, 7182), (151, 7227), (153, 7248), (180, 7461), (196, 7548), (213, 7641), (248, 7869), (249, 7872), (257, 7923), (268, 8007), (272, 8019), (284, 8070), (294, 8103), (311, 8145), (343, 8283),

Gene: Wofford_98 Start: 69523, Stop: 71343, Start Num: 21

Candidate Starts for Wofford_98:

(Start: 21 @69523 has 80 MA's), (37, 69622), (38, 69628), (70, 69832), (75, 69874), (77, 69895), (108, 70171), (126, 70294), (147, 70441), (160, 70504), (163, 70522), (177, 70645), (182, 70669), (201, 70756), (222, 70852), (230, 70915), (231, 70924), (235, 70951), (243, 70996), (257, 71056), (259, 71065), (265, 71110), (280, 71185), (304, 71266), (314, 71296),

Gene: Worcestershire_10 Start: 7085, Stop: 9058, Start Num: 19

Candidate Starts for Worcestershire_10:

(12, 7067), (Start: 19 @7085 has 99 MA's), (Start: 27 @7112 has 1 MA's), (45, 7199), (47, 7214), (49, 7223), (54, 7247), (67, 7343), (68, 7346), (76, 7406), (77, 7418), (78, 7421), (79, 7424), (92, 7550), (95, 7577), (114, 7760), (119, 7799), (125, 7823), (128, 7847), (129, 7853), (144, 7970), (151, 8000), (175, 8186), (196, 8321), (213, 8414), (221, 8453), (225, 8486), (231, 8531), (237, 8567), (246, 8630), (247, 8636), (248, 8642), (249, 8645), (253, 8675), (268, 8780), (272, 8792), (311, 8915), (333, 9014), (342, 9050),

Gene: Yaboi_100 Start: 69181, Stop: 71001, Start Num: 21

Candidate Starts for Yaboi_100:

(Start: 19 @69178 has 99 MA's), (Start: 21 @69181 has 80 MA's), (37, 69280), (38, 69286), (70, 69490), (108, 69829), (142, 70069), (163, 70180), (176, 70288), (177, 70303), (189, 70354), (202, 70417), (206, 70432), (208, 70441), (222, 70510), (230, 70573), (237, 70618), (245, 70672), (259, 70723), (265, 70768), (268, 70792), (285, 70861), (314, 70954),