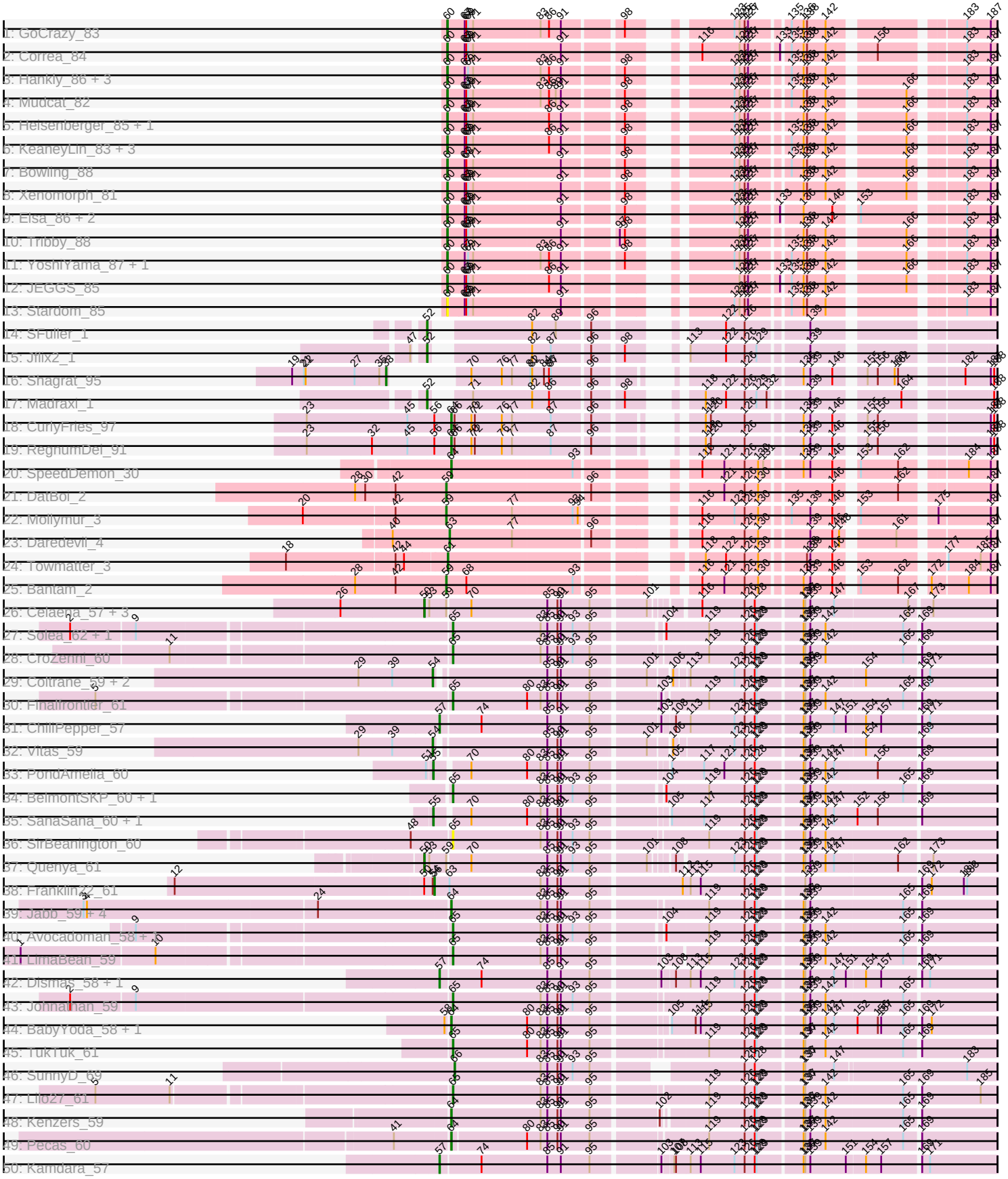
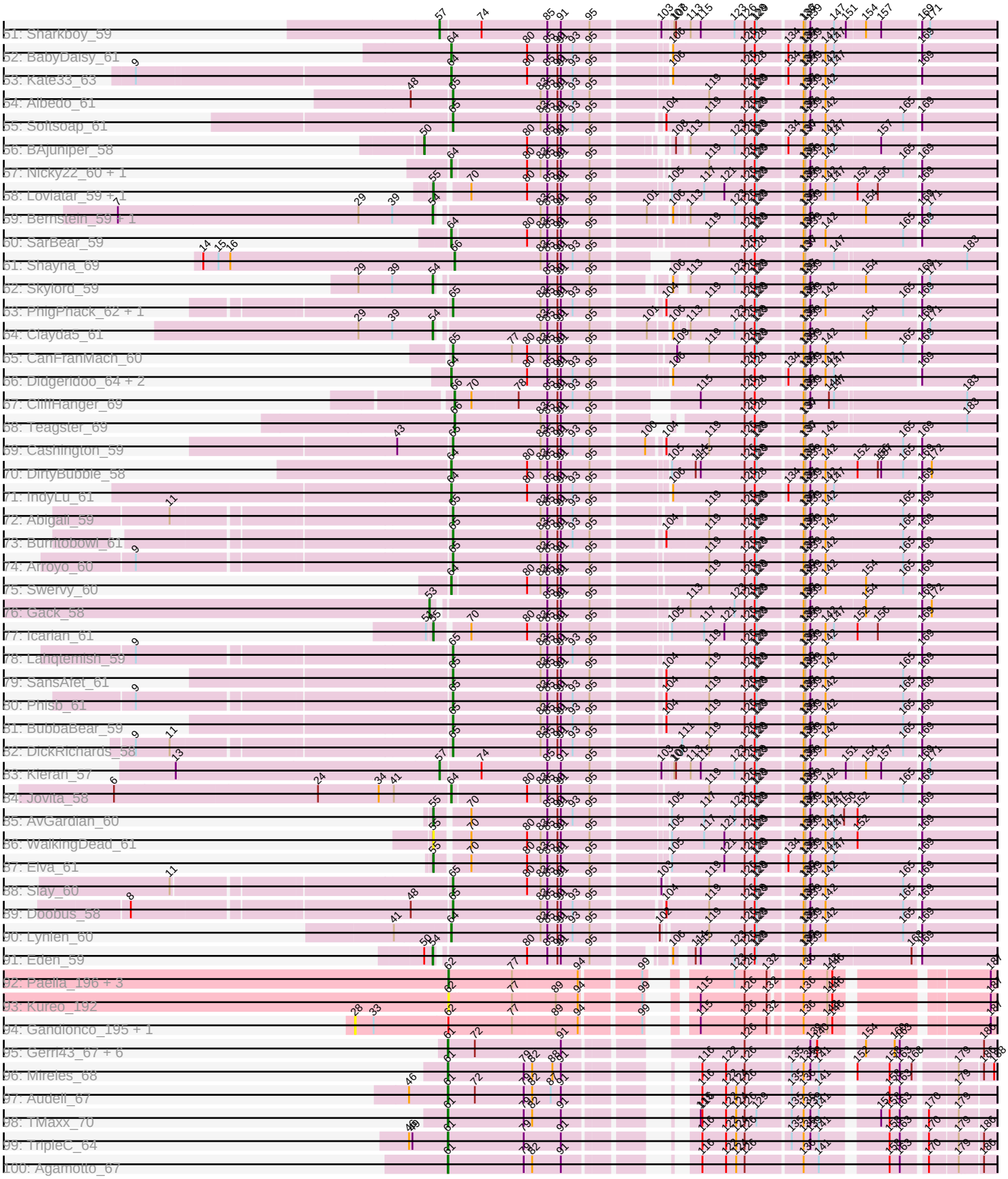
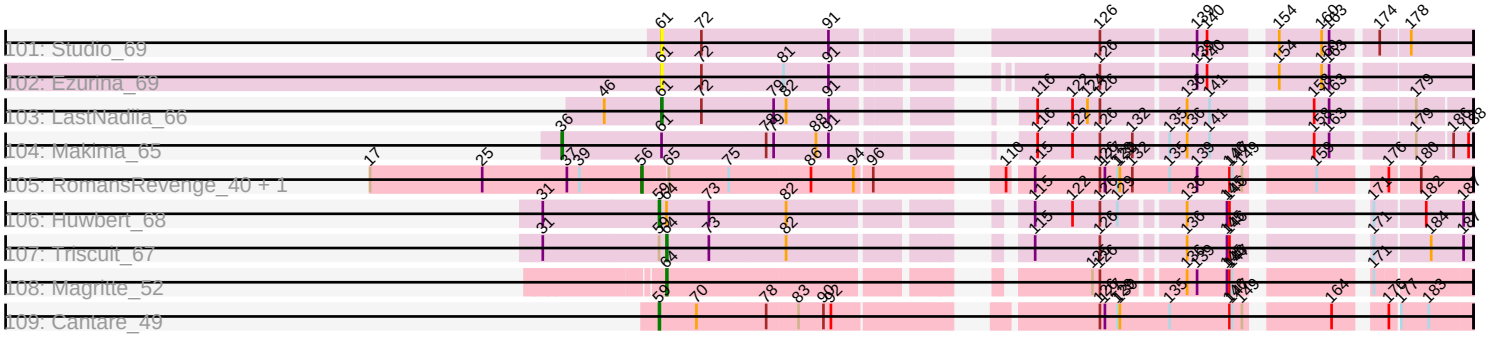
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1: GoCrazy_83
2: Correa_84
3: Hankly_86 + 3
4: Mudcat_82
5: Heisenberger_85 + 1
6: KeaneyLin_83 + 3
7: Bowling_88
8: Xenomorph_81
9: Elsa_86 + 2
10: Tribby_88
11: YoshiYama_87 + 1
12: JEGGS_85
13: Stardom_85
14: SFuller_1
15: Jflix2_1
16: Snagrat_95
17: Madraxi_1
18: CurlyFries_97
19: RegnumDei_91
20: SpeedDemon_30
21: DatBoi_2
22: Mollymur_3
23: Daredevil_4
24: Towmatter_3
25: Bantam_2
26: Celaena_57 + 3
27: Solea_62 + 1
28: CroZenni_60
29: Coltrane_59 + 2
30: Finalfrontier_61
31: ChiliPepper_57
32: Vitas_59
33: PondAmelia_60
34: BelmontSKP_60 + 1
35: SanaSana_60 + 1
36: SirBeanington_60
37: Quenya_61
38: Franklin22_61
39: Jabb_59 + 4
40: Avocadoman_58 + 2
41: LimaBean_59
42: Dismas_58 + 1
43: Johnathan_59
44: BabyYoda_58 + 1
45: TukTuk_61
46: SunnyD_69
47: Lil027_61
48: Kenzers_59
49: Pecas_60
50: Kamdara_57

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51: SharkBoy_59
52: BabyDaisy_61
53: Kate33_63
54: Albedo_61
55: Softsoap_61
56: BAjuniper_58
57: Nicky22_60 + 1
58: Loviatar_59 + 1
59: Bernstein_59 + 1
60: SarBear_59
61: Shayna_69
62: Skylord_59
63: PhigPhack_62 + 1
64: Clayda5_61
65: CanFranMach_60
66: Didgeridoo_64 + 2
67: CliffHanger_69
68: Teagster_69
69: Cashington_59
70: DirtyBubble_58
71: IndyLu_61
72: Abigail_59
73: Burritobowl_61
74: Arroyo_60
75: Swervy_60
76: Gack_58
77: Icarian_61
78: Lahqtemish_59
79: SansAlef_61
80: Phisb_61
81: BubbaBear_59
82: DickRichards_58
83: Kieran_57
84: Jovita_58
85: AvGardian_60
86: WalkingDead_61
87: Elva_61
88: Slay_60
89: Doobus_58
90: Lynlen_60
91: Eden_59
92: Paella_196 + 3
93: Kureo_192
94: Gandlonco_195 + 1
95: Gem43_67 + 6
96: Mireles_68
97: Audell_67
98: TMaxx_70
99: TripleC_64
100: Agamotto_67

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101: Studio_69
102: Ezurina_69
103: LastNadila_66
104: Makima_65
105: RomansRevenge_40 + 1
106: Huwbert_68
107: Triscuit_67
108: Magritte_52
109: Cantare_49

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 347345 Report

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

Pham number 347345 has 151 members, 15 are drafts.

Phages represented in each track:
- Track 1 : GoCrazy_83
- Track 2 : Correa_84
- Track 3 : Hankly_86, Kardesai_86, Mooshroom_87, Benllo_83
- Track 4 : Mudcat_82
- Track 5 : Heisenberger_85, Cheesy_87
- Track 6 : KeaneyLin_83, NapoleonB_87, Dynamite_86, Circum_86
- Track 7 : Bowling_88
- Track 8 : Xenomorph_81
- Track 9 : Elsa_86, Arcadia_86, Nason_86
- Track 10 : Tribby_88
- Track 11 : YoshiYama_87, BenitoAntonio_86
- Track 12 : JEGGS_85
- Track 13 : Stardom_85
- Track 14 : SFuller_1
- Track 15 : Jflix2_1
- Track 16 : Shagrat_95
- Track 17 : Madraxi_1
- Track 18 : CurlyFries_97
- Track 19 : RegnumDei_91
- Track 20 : SpeedDemon_30
- Track 21 : DatBoi_2
- Track 22 : Mollymur_3
- Track 23 : Daredevil_4
- Track 24 : Towmatter_3
- Track 25 : Bantam_2
- Track 26 : Celaena_57, Bachaco_57, Katzastrophic_58, FlameThrower_56
- Track 27 : Solea_62, Milomuff_61
- Track 28 : CroZenni_60
- Track 29 : Coltrane_59, Armstrong_59, Brahms_59
- Track 30 : Finalfrontier_61
- Track 31 : ChiliPepper_57
- Track 32 : Vitas_59
- Track 33 : PondAmelia_60
- Track 34 : BelmontSKP_60, AnnaLie_60
- Track 35 : SanaSana_60, Stoor_58
- Track 36 : SirBeanington_60
- Track 37 : Quenya_61

• Track 38 : Franklin22_61
• Track 39 : Jabb_59, Eula_59, MsUbiquitous_59, AylexOG_60, CupcakePrincess_59
• Track 40 : Avocadoman_58, Albright_57
• Track 41 : LimaBean_59
• Track 42 : Dismas_58, Rona_57
• Track 43 : Johnathan_59
• Track 44 : BabyYoda_58, Stromboli_58
• Track 45 : TukTuk_61
• Track 46 : SunnyD_69
• Track 47 : Lilo27_61
• Track 48 : Kenzers_59
• Track 49 : Pecas_60
• Track 50 : Kamdara_57
• Track 51 : Sharkboy_59
• Track 52 : BabyDaisy_61
• Track 53 : Kate33_63
• Track 54 : Albedo_61
• Track 55 : Softsoap_61
• Track 56 : BAjuniper_58
• Track 57 : Nicky22_60, QMacho_61
• Track 58 : Loviatar_59, Akino08_59
• Track 59 : Bernstein_59, Rollins_59
• Track 60 : SarBear_59
• Track 61 : Shayna_69
• Track 62 : Skylord_59
• Track 63 : PhigPhack_62, Bengal_62
• Track 64 : Clayda5_61
• Track 65 : CanFranMach_60
• Track 66 : Didgeridoo_64, PastaFagioli_60, Grist_61
• Track 67 : CliffHanger_69
• Track 68 : Teagster_69
• Track 69 : Cashington_59
• Track 70 : DirtyBubble_58
• Track 71 : IndyLu_61
• Track 72 : Abigail_59
• Track 73 : Burritobowl_61
• Track 74 : Arroyo_60
• Track 75 : Swervy_60
• Track 76 : Gack_58
• Track 77 : Icarian_61
• Track 78 : Lahqtemish_59
• Track 79 : SansAfet_61
• Track 80 : Phisb_61
• Track 81 : BubbaBear_59
• Track 82 : DickRichards_58
• Track 83 : Kieran_57
• Track 84 : Jovita_58
• Track 85 : AvGardian_60
• Track 86 : WalkingDead_61
• Track 87 : Elva_61
• Track 88 : Slay_60
• Track 89 : Doobus_58
• Track 90 : Lynlen_60

• Track 91 : Eden_59
• Track 92 : Paella_196, Qui_196, JeNeSaisPas_197, Elver_195
• Track 93 : Kureo_192
• Track 94 : Gandionco_195, Marianna39_194
• Track 95 : Gerri43_67, Neuvillette_67, AnnabelLee_69, CardboardBox_69, ChipsNGuac_68, Roberts_68, ChamoyPickle_69
• Track 96 : Mireles_68
• Track 97 : Audell_67
• Track 98 : TMaxx_70
• Track 99 : TripleC_64
• Track 100 : Agamotto_67
• Track 101 : Studio_69
• Track 102 : Ezurina_69
• Track 103 : LastNadiia_66
• Track 104 : Makima_65
• Track 105 : RomansRevenge_40, Boise_39
• Track 106 : Huwbert_68
• Track 107 : Triscuit_67
• Track 108 : Magritte_52
• Track 109 : Cantare_49

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

The start number called the most often in the published annotations is 65, it was called in 27 of the 136 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abigail_59, Albedo_61, Albright_57, AnnaLie_60, Arroyo_60, Avocadoman_58, BelmontSKP_60, Bengal_62, BubbaBear_59, Burritobowl_61, CanFranMach_60, Cashington_59, CroZenni_60, DickRichards_58, Doobus_58, Finalfrontier_61, Johnathan_59, Lahqtemish_59, Lilo27_61, LimaBean_59, Milomuff_61, PhigPhack_62, Phisb_61, SansAfet_61, SirBeanington_60, Slay_60, Softsoap_61, Solea_62, TukTuk_61,

Genes that have the "Most Annotated" start but do not call it:
• Boise_39, RomansRevenge_40,

Genes that do not have the "Most Annotated" start:
• Agamotto_67, Akino08_59, AnnabelLee_69, Arcadia_86, Armstrong_59, Audell_67, AvGardian_60, AylexOG_60, BAjuniper_58, BabyDaisy_61, BabyYoda_58, Bachaco_57, Bantam_2, BenitoAntonio_86, Benllo_83, Bernstein_59, Bowling_88, Brahms_59, Cantare_49, CardboardBox_69, Celaena_57, ChamoyPickle_69, Cheesy_87, ChiliPepper_57, ChipsNGuac_68, Circum_86, Clayda5_61, CliffHanger_69, Coltrane_59, Correa_84, CupcakePrincess_59, CurlyFries_97, Daredevil_4, DatBoi_2, Didgeridoo_64, DirtyBubble_58, Dismas_58, Dynamite_86, Eden_59, Elsa_86, Elva_61, Elver_195, Eula_59, Ezurina_69, FlameThrower_56, Franklin22_61, Gack_58, Gandionco_195, Gerri43_67, GoCrazy_83, Grist_61, Hankly_86, Heisenberger_85, Huwbert_68, Icarian_61, IndyLu_61, JEGGS_85, Jabb_59, JeNeSaisPas_197, Jflix2_1, Jovita_58, Kamdara_57, Kardesai_86, Kate33_63, Katzastrophic_58, KeaneyLin_83, Kenzers_59, Kieran_57, Kureo_192,

LastNadiia_66, Loviatar_59, Lynlen_60, Madraxi_1, Magritte_52, Makima_65, Marianna39_194, Mireles_68, Mollymur_3, Mooshroom_87, MsUbiquitous_59, Mudcat_82, NapoleonB_87, Nason_86, Neuvillette_67, Nicky22_60, Paella_196, PastaFagioli_60, Pecas_60, PondAmelia_60, QMacho_61, Quenya_61, Qui_196, RegnumDei_91, Roberts_68, Rollins_59, Rona_57, SFuller_1, SanaSana_60, SarBear_59, Shagrat_95, Sharkboy_59, Shayna_69, Skylord_59, SpeedDemon_30, Stardom_85, Stoor_58, Stromboli_58, Studio_69, SunnyD_69, Swervy_60, TMaxx_70, Teagster_69, Towmatter_3, Tribby_88, TripleC_64, Triscuit_67, Vitas_59, WalkingDead_61, Xenomorph_81, YoshiYama_87,

Summary by start number:

Start 28:
• Found in 4 of 151 (2.6%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Gandionco_195 (FK), Marianna39_194 (FK),

Start 36:
• Found in 1 of 151 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 136
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Makima_65 (FR),

Start 38:
• Found in 1 of 151 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 136
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shagrat_95 (CF),

Start 50:
• Found in 8 of 151 (5.3%) of genes in pham
• Manual Annotations of this start: 6 of 136
• Called 75.0% of time when present
• Phage (with cluster) where this start called: BAjuniper_58 (EB), Bachaco_57 (EB), Celaena_57 (EB), FlameThrower_56 (EB), Katzastrophic_58 (EB), Quenya_61 (EB),

Start 52:
• Found in 3 of 151 (2.0%) of genes in pham
• Manual Annotations of this start: 3 of 136
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jflix2_1 (CF), Madraxi_1 (CF), SFuller_1 (CF),

Start 53:
• Found in 6 of 151 (4.0%) of genes in pham
• Manual Annotations of this start: 1 of 136
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Gack_58 (EB),

Start 54:
• Found in 10 of 151 (6.6%) of genes in pham

• Manual Annotations of this start: 9 of 136
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Armstrong_59 (EB), Bernstein_59 (EB), Brahms_59 (EB), Clayda5_61 (EB), Coltrane_59 (EB), Eden_59 (EB), Rollins_59 (EB), Skylord_59 (EB), Vitas_59 (EB),

Start 55:
• Found in 9 of 151 (6.0%) of genes in pham
• Manual Annotations of this start: 8 of 136
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Akino08_59 (EB), AvGardian_60 (EB), Elva_61 (EB), Icarian_61 (EB), Loviatar_59 (EB), PondAmelia_60 (EB), SanaSana_60 (EB), Stoor_58 (EB), WalkingDead_61 (EB),

Start 56:
• Found in 5 of 151 (3.3%) of genes in pham
• Manual Annotations of this start: 2 of 136
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Boise_39 (FT), Franklin22_61 (EB), RomansRevenge_40 (FT),

Start 57:
• Found in 6 of 151 (4.0%) of genes in pham
• Manual Annotations of this start: 6 of 136
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ChiliPepper_57 (EB), Dismas_58 (EB), Kamdara_57 (EB), Kieran_57 (EB), Rona_57 (EB), Sharkboy_59 (EB),

Start 59:
• Found in 11 of 151 (7.3%) of genes in pham
• Manual Annotations of this start: 5 of 136
• Called 45.5% of time when present
• Phage (with cluster) where this start called: Bantam_2 (DL), Cantare_49 (singleton), DatBoi_2 (DL), Huwbert_68 (GG), Mollymur_3 (DL),

Start 60:
• Found in 23 of 151 (15.2%) of genes in pham
• Manual Annotations of this start: 21 of 136
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arcadia_86 (AM), BenitoAntonio_86 (AM), Benllo_83 (AM), Bowling_88 (AM), Cheesy_87 (AM), Circum_86 (AM), Correa_84 (AM), Dynamite_86 (AM), Elsa_86 (AM), GoCrazy_83 (AM), Hankly_86 (AM), Heisenberger_85 (AM), JEGGS_85 (AM), Kardesai_86 (AM), KeaneyLin_83 (AM), Mooshroom_87 (AM), Mudcat_82 (AM), NapoleonB_87 (AM), Nason_86 (AM), Stardom_85 (AM), Tribby_88 (AM), Xenomorph_81 (AM), YoshiYama_87 (AM),

Start 61:
• Found in 17 of 151 (11.3%) of genes in pham
• Manual Annotations of this start: 11 of 136
• Called 94.1% of time when present
• Phage (with cluster) where this start called: Agamotto_67 (FR), AnnabelLee_69 (FR), Audell_67 (FR), CardboardBox_69 (FR), ChamoyPickle_69 (FR), ChipsNGuac_68 (FR), Ezurina_69 (FR), Gerri43_67 (FR), LastNadiia_66 (FR),

Mireles_68 (FR), Neuvillette_67 (FR), Roberts_68 (FR), Studio_69 (FR), TMaxx_70 (FR), Towmatter_3 (DL), TripleC_64 (FR),

Start 62:
• Found in 7 of 151 (4.6%) of genes in pham
• Manual Annotations of this start: 4 of 136
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Elver_195 (FK), JeNeSaisPas_197 (FK), Kureo_192 (FK), Paella_196 (FK), Qui_196 (FK),

Start 63:
• Found in 2 of 151 (1.3%) of genes in pham
• Manual Annotations of this start: 1 of 136
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Daredevil_4 (DL),

Start 64:
• Found in 28 of 151 (18.5%) of genes in pham
• Manual Annotations of this start: 26 of 136
• Called 96.4% of time when present
• Phage (with cluster) where this start called: AylexOG_60 (EB), BabyDaisy_61 (EB), BabyYoda_58 (EB), CupcakePrincess_59 (EB), CurlyFries_97 (CF), Didgeridoo_64 (EB), DirtyBubble_58 (EB), Eula_59 (EB), Grist_61 (EB), IndyLu_61 (EB), Jabb_59 (EB), Jovita_58 (EB), Kate33_63 (EB), Kenzers_59 (EB), Lynlen_60 (EB), Magritte_52 (singleton), MsUbiquitous_59 (EB), Nicky22_60 (EB), PastaFagioli_60 (EB), Pecas_60 (EB), QMacho_61 (EB), RegnumDei_91 (CF), SarBear_59 (EB), SpeedDemon_30 (DL), Stromboli_58 (EB), Swervy_60 (EB), Triscuit_67 (GG),

Start 65:
• Found in 31 of 151 (20.5%) of genes in pham
• Manual Annotations of this start: 27 of 136
• Called 93.5% of time when present
• Phage (with cluster) where this start called: Abigail_59 (EB), Albedo_61 (EB), Albright_57 (EB), AnnaLie_60 (EB), Arroyo_60 (EB), Avocadoman_58 (EB), BelmontSKP_60 (EB), Bengal_62 (EB), BubbaBear_59 (EB), Burritobowl_61 (EB), CanFranMach_60 (EB), Cashington_59 (EB), CroZenni_60 (EB), DickRichards_58 (EB), Doobus_58 (EB), Finalfrontier_61 (EB), Johnathan_59 (EB), Lahqtemish_59 (EB), Lilo27_61 (EB), LimaBean_59 (EB), Milomuff_61 (EB), PhigPhack_62 (EB), Phisb_61 (EB), SansAfet_61 (EB), SirBeanington_60 (EB), Slay_60 (EB), Softsoap_61 (EB), Solea_62 (EB), TukTuk_61 (EB),

Start 66:
• Found in 6 of 151 (4.0%) of genes in pham
• Manual Annotations of this start: 4 of 136
• Called 66.7% of time when present
• Phage (with cluster) where this start called: CliffHanger_69 (EB), Shayna_69 (EB), SunnyD_69 (EB), Teagster_69 (EB),

Summary by clusters:

There are 9 clusters represented in this pham: FR, FT, DL, AM, singleton, CF, GG, FK, EB,

Info for manual annotations of cluster AM:
•Start number 60 was manually annotated 21 times for cluster AM.

Info for manual annotations of cluster CF:
•Start number 38 was manually annotated 1 time for cluster CF.
•Start number 52 was manually annotated 3 times for cluster CF.
•Start number 64 was manually annotated 2 times for cluster CF.

Info for manual annotations of cluster DL:
•Start number 59 was manually annotated 3 times for cluster DL.
•Start number 61 was manually annotated 1 time for cluster DL.
•Start number 63 was manually annotated 1 time for cluster DL.
•Start number 64 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster EB:
•Start number 50 was manually annotated 6 times for cluster EB.
•Start number 53 was manually annotated 1 time for cluster EB.
•Start number 54 was manually annotated 9 times for cluster EB.
•Start number 55 was manually annotated 8 times for cluster EB.
•Start number 56 was manually annotated 1 time for cluster EB.
•Start number 57 was manually annotated 6 times for cluster EB.
•Start number 64 was manually annotated 21 times for cluster EB.
•Start number 65 was manually annotated 27 times for cluster EB.
•Start number 66 was manually annotated 4 times for cluster EB.

Info for manual annotations of cluster FK:
•Start number 62 was manually annotated 4 times for cluster FK.

Info for manual annotations of cluster FR:
•Start number 36 was manually annotated 1 time for cluster FR.
•Start number 61 was manually annotated 10 times for cluster FR.

Info for manual annotations of cluster FT:
•Start number 56 was manually annotated 1 time for cluster FT.

Info for manual annotations of cluster GG:
•Start number 59 was manually annotated 1 time for cluster GG.
•Start number 64 was manually annotated 1 time for cluster GG.

Gene Information:

Gene: Abigail_59 Start: 37497, Stop: 38399, Start Num: 65
Candidate Starts for Abigail_59:
(11, 37032), (Start: 65 @37497 has 27 MA's), (83, 37650), (85, 37662), (90, 37680), (91, 37686), (93, 37707), (95, 37737), (119, 37911), (126, 37974), (128, 37992), (129, 37995), (136, 38070), (137, 38073), (139, 38082), (142, 38109), (165, 38244), (169, 38268),

Gene: Agamotto_67 Start: 40968, Stop: 41777, Start Num: 61
Candidate Starts for Agamotto_67:
(Start: 61 @40968 has 11 MA's), (79, 41100), (82, 41115), (91, 41166), (116, 41316), (122, 41358), (124, 41376), (126, 41391), (136, 41487), (141, 41514), (158, 41616), (163, 41634), (170, 41670),

(179, 41718), (186, 41754),

Gene: Akino08_59 Start: 39149, Stop: 40081, Start Num: 55
Candidate Starts for Akino08_59:
(Start: 55 @39149 has 8 MA's), (70, 39200), (80, 39299), (85, 39335), (90, 39353), (91, 39359), (95, 39410), (105, 39530), (117, 39584), (121, 39620), (126, 39656), (128, 39674), (129, 39677), (136, 39752), (137, 39755), (139, 39764), (142, 39791), (147, 39806), (152, 39845), (156, 39881), (169, 39950),

Gene: Albedo_61 Start: 38402, Stop: 39319, Start Num: 65
Candidate Starts for Albedo_61:
(48, 38333), (Start: 65 @38402 has 27 MA's), (83, 38558), (85, 38570), (90, 38588), (91, 38594), (93, 38615), (95, 38645), (119, 38831), (126, 38894), (128, 38912), (129, 38915), (136, 38990), (137, 38993), (139, 39002), (142, 39029),

Gene: Albright_57 Start: 36898, Stop: 37803, Start Num: 65
Candidate Starts for Albright_57:
(9, 36373), (Start: 65 @36898 has 27 MA's), (83, 37051), (85, 37063), (90, 37081), (91, 37087), (93, 37108), (95, 37138), (104, 37246), (119, 37315), (126, 37378), (128, 37396), (129, 37399), (136, 37474), (137, 37477), (139, 37486), (142, 37513), (165, 37648), (169, 37672),

Gene: AnnaLie_60 Start: 38333, Stop: 39238, Start Num: 65
Candidate Starts for AnnaLie_60:
(Start: 65 @38333 has 27 MA's), (83, 38486), (85, 38498), (90, 38516), (91, 38522), (93, 38543), (95, 38573), (104, 38681), (119, 38750), (126, 38813), (128, 38831), (129, 38834), (136, 38909), (137, 38912), (139, 38921), (142, 38948), (165, 39083), (169, 39107),

Gene: AnnabelLee_69 Start: 38383, Stop: 39231, Start Num: 61
Candidate Starts for AnnabelLee_69:
(Start: 61 @38383 has 11 MA's), (72, 38431), (91, 38581), (126, 38836), (139, 38944), (140, 38956), (154, 39019), (160, 39070), (163, 39079), (186, 39208),

Gene: Arcadia_86 Start: 50975, Stop: 51781, Start Num: 60
Candidate Starts for Arcadia_86:
(Start: 60 @50975 has 21 MA's), (67, 51005), (68, 51008), (69, 51011), (71, 51020), (91, 51170), (98, 51263), (123, 51389), (125, 51398), (126, 51407), (127, 51413), (133, 51461), (136, 51494), (146, 51545), (153, 51572), (183, 51731), (187, 51770),

Gene: Armstrong_59 Start: 36227, Stop: 37141, Start Num: 54
Candidate Starts for Armstrong_59:
(29, 36095), (39, 36155), (Start: 54 @36227 has 9 MA's), (85, 36410), (90, 36428), (91, 36434), (95, 36485), (101, 36572), (106, 36602), (113, 36623), (123, 36701), (126, 36719), (128, 36737), (129, 36740), (136, 36815), (137, 36818), (139, 36827), (154, 36920), (169, 37010), (171, 37022),

Gene: Arroyo_60 Start: 38445, Stop: 39356, Start Num: 65
Candidate Starts for Arroyo_60:
(9, 37914), (Start: 65 @38445 has 27 MA's), (83, 38598), (85, 38610), (90, 38628), (91, 38634), (95, 38685), (119, 38868), (126, 38931), (128, 38949), (129, 38952), (136, 39027), (137, 39030), (139, 39039), (142, 39066), (165, 39201), (169, 39225),

Gene: Audell_67 Start: 41020, Stop: 41829, Start Num: 61
Candidate Starts for Audell_67:

(46, 40954), (Start: 61 @41020 has 11 MA's), (72, 41068), (79, 41152), (82, 41167), (87, 41200), (91, 41218), (116, 41368), (122, 41410), (124, 41428), (126, 41443), (135, 41518), (136, 41539), (141, 41566), (158, 41668), (163, 41686), (179, 41770),

Gene: AvGardian_60 Start: 38063, Stop: 38998, Start Num: 55
Candidate Starts for AvGardian_60:
(Start: 55 @38063 has 8 MA's), (70, 38114), (85, 38249), (90, 38267), (91, 38273), (93, 38294), (95, 38324), (105, 38444), (117, 38498), (123, 38552), (126, 38570), (128, 38588), (129, 38591), (136, 38666), (137, 38669), (139, 38678), (142, 38705), (147, 38720), (150, 38738), (152, 38762), (169, 38867),

Gene: Avocadoman_58 Start: 37099, Stop: 38004, Start Num: 65
Candidate Starts for Avocadoman_58:
(9, 36574), (Start: 65 @37099 has 27 MA's), (83, 37252), (85, 37264), (90, 37282), (91, 37288), (93, 37309), (95, 37339), (104, 37447), (119, 37516), (126, 37579), (128, 37597), (129, 37600), (136, 37675), (137, 37678), (139, 37687), (142, 37714), (165, 37849), (169, 37873),

Gene: AylexOG_60 Start: 37948, Stop: 38862, Start Num: 64
Candidate Starts for AylexOG_60:
(3, 37315), (4, 37321), (24, 37720), (Start: 64 @37948 has 26 MA's), (83, 38104), (85, 38116), (90, 38134), (91, 38140), (95, 38191), (119, 38374), (126, 38437), (128, 38455), (129, 38458), (136, 38533), (137, 38536), (139, 38545), (165, 38707), (169, 38731),

Gene: BAjuniper_58 Start: 38409, Stop: 39332, Start Num: 50
Candidate Starts for BAjuniper_58:
(Start: 50 @38409 has 6 MA's), (80, 38580), (85, 38616), (90, 38634), (91, 38640), (95, 38691), (108, 38799), (113, 38814), (123, 38892), (126, 38910), (128, 38928), (129, 38931), (134, 38979), (136, 39006), (137, 39009), (142, 39045), (147, 39060), (157, 39138),

Gene: BabyDaisy_61 Start: 38618, Stop: 39529, Start Num: 64
Candidate Starts for BabyDaisy_61:
(Start: 64 @38618 has 26 MA's), (80, 38750), (85, 38786), (90, 38804), (91, 38810), (93, 38831), (95, 38861), (106, 38981), (126, 39107), (128, 39125), (134, 39176), (136, 39203), (137, 39206), (139, 39215), (142, 39242), (147, 39257), (169, 39398),

Gene: BabyYoda_58 Start: 38076, Stop: 38990, Start Num: 64
Candidate Starts for BabyYoda_58:
(58, 38070), (Start: 64 @38076 has 26 MA's), (80, 38208), (83, 38232), (85, 38244), (90, 38262), (91, 38268), (95, 38319), (105, 38439), (114, 38478), (115, 38487), (126, 38565), (128, 38583), (129, 38586), (136, 38661), (137, 38664), (139, 38673), (142, 38700), (147, 38715), (152, 38754), (156, 38790), (157, 38796), (165, 38835), (169, 38859), (172, 38874),

Gene: Bachaco_57 Start: 39107, Stop: 40042, Start Num: 50
Candidate Starts for Bachaco_57:
(26, 38960), (Start: 50 @39107 has 6 MA's), (Start: 53 @39113 has 1 MA's), (Start: 59 @39140 has 5 MA's), (70, 39179), (85, 39314), (90, 39332), (91, 39338), (95, 39389), (101, 39479), (116, 39545), (126, 39620), (128, 39638), (136, 39716), (137, 39719), (139, 39728), (147, 39770), (167, 39896), (173, 39929),

Gene: Bantam_2 Start: 764, Stop: 1576, Start Num: 59
Candidate Starts for Bantam_2:
(28, 605), (42, 674), (Start: 59 @764 has 5 MA's), (68, 800), (93, 983), (116, 1130), (121, 1169), (126, 1205), (130, 1229), (136, 1292), (139, 1304), (146, 1343), (153, 1370), (162, 1436), (172, 1475), (184,

1529), (187, 1565),

Gene: BelmontSKP_60 Start: 38333, Stop: 39238, Start Num: 65
Candidate Starts for BelmontSKP_60:
(Start: 65 @38333 has 27 MA's), (83, 38486), (85, 38498), (90, 38516), (91, 38522), (93, 38543), (95, 38573), (104, 38681), (119, 38750), (126, 38813), (128, 38831), (129, 38834), (136, 38909), (137, 38912), (139, 38921), (142, 38948), (165, 39083), (169, 39107),

Gene: Bengal_62 Start: 38209, Stop: 39114, Start Num: 65
Candidate Starts for Bengal_62:
(Start: 65 @38209 has 27 MA's), (83, 38362), (85, 38374), (90, 38392), (91, 38398), (93, 38419), (95, 38449), (104, 38557), (119, 38626), (126, 38689), (128, 38707), (129, 38710), (136, 38785), (137, 38788), (139, 38797), (142, 38824), (165, 38959), (169, 38983),

Gene: BenitoAntonio_86 Start: 50552, Stop: 51358, Start Num: 60
Candidate Starts for BenitoAntonio_86:
(Start: 60 @50552 has 21 MA's), (67, 50582), (69, 50588), (71, 50597), (83, 50711), (86, 50726), (91, 50747), (98, 50840), (123, 50966), (125, 50975), (126, 50984), (127, 50990), (135, 51050), (136, 51071), (138, 51077), (142, 51110), (166, 51230), (183, 51308), (187, 51347),

Gene: Benllo_83 Start: 50870, Stop: 51676, Start Num: 60
Candidate Starts for Benllo_83:
(Start: 60 @50870 has 21 MA's), (67, 50900), (69, 50906), (71, 50915), (83, 51029), (86, 51044), (91, 51065), (98, 51158), (123, 51284), (125, 51293), (126, 51302), (127, 51308), (135, 51368), (136, 51389), (138, 51395), (142, 51428), (183, 51626), (187, 51665),

Gene: Bernstein_59 Start: 36225, Stop: 37139, Start Num: 54
Candidate Starts for Bernstein_59:
(7, 35667), (29, 36093), (39, 36153), (Start: 54 @36225 has 9 MA's), (83, 36396), (85, 36408), (90, 36426), (91, 36432), (95, 36483), (101, 36570), (106, 36600), (113, 36621), (123, 36699), (126, 36717), (128, 36735), (129, 36738), (136, 36813), (137, 36816), (139, 36825), (154, 36918), (169, 37008), (171, 37020),

Gene: Boise_39 Start: 36241, Stop: 35375, Start Num: 56
Candidate Starts for Boise_39:
(17, 36568), (25, 36433), (37, 36331), (39, 36316), (Start: 56 @36241 has 2 MA's), (Start: 65 @36214 has 27 MA's), (75, 36142), (86, 36049), (94, 35998), (96, 35980), (110, 35866), (115, 35842), (126, 35764), (127, 35758), (129, 35743), (130, 35740), (132, 35725), (135, 35680), (139, 35647), (146, 35608), (147, 35605), (149, 35593), (159, 35527), (176, 35464), (180, 35434),

Gene: Bowling_88 Start: 51328, Stop: 52134, Start Num: 60
Candidate Starts for Bowling_88:
(Start: 60 @51328 has 21 MA's), (67, 51358), (68, 51361), (71, 51373), (91, 51523), (98, 51616), (123, 51742), (125, 51751), (126, 51760), (127, 51766), (135, 51826), (136, 51847), (138, 51853), (142, 51886), (166, 52006), (183, 52084), (187, 52123),

Gene: Brahms_59 Start: 36127, Stop: 37041, Start Num: 54
Candidate Starts for Brahms_59:
(29, 35995), (39, 36055), (Start: 54 @36127 has 9 MA's), (85, 36310), (90, 36328), (91, 36334), (95, 36385), (101, 36472), (106, 36502), (113, 36523), (123, 36601), (126, 36619), (128, 36637), (129, 36640), (136, 36715), (137, 36718), (139, 36727), (154, 36820), (169, 36910), (171, 36922),

Gene: BubbaBear_59 Start: 38098, Stop: 39003, Start Num: 65

Candidate Starts for BubbaBear_59:
(Start: 65 @38098 has 27 MA's), (83, 38251), (85, 38263), (90, 38281), (91, 38287), (93, 38308), (95, 38338), (104, 38446), (119, 38515), (126, 38578), (128, 38596), (129, 38599), (136, 38674), (137, 38677), (139, 38686), (142, 38713), (165, 38848), (169, 38872),

Gene: Burritobowl_61 Start: 37977, Stop: 38882, Start Num: 65
Candidate Starts for Burritobowl_61:
(Start: 65 @37977 has 27 MA's), (83, 38130), (85, 38142), (90, 38160), (91, 38166), (93, 38187), (95, 38217), (104, 38325), (119, 38394), (126, 38457), (128, 38475), (129, 38478), (136, 38553), (137, 38556), (139, 38565), (142, 38592), (165, 38727), (169, 38751),

Gene: CanFranMach_60 Start: 38063, Stop: 38974, Start Num: 65
Candidate Starts for CanFranMach_60:
(Start: 65 @38063 has 27 MA's), (77, 38165), (80, 38192), (83, 38216), (85, 38228), (90, 38246), (91, 38252), (95, 38303), (109, 38432), (119, 38486), (126, 38549), (128, 38567), (129, 38570), (136, 38645), (137, 38648), (139, 38657), (142, 38684), (165, 38819), (169, 38843),

Gene: Cantare_49 Start: 44954, Stop: 45802, Start Num: 59
Candidate Starts for Cantare_49:
(Start: 59 @44954 has 5 MA's), (70, 44996), (78, 45077), (83, 45113), (90, 45143), (92, 45152), (126, 45413), (127, 45419), (129, 45434), (130, 45437), (135, 45497), (146, 45569), (147, 45572), (149, 45584), (164, 45668), (176, 45713), (177, 45722), (183, 45752),

Gene: CardboardBox_69 Start: 38386, Stop: 39234, Start Num: 61
Candidate Starts for CardboardBox_69:
(Start: 61 @38386 has 11 MA's), (72, 38434), (91, 38584), (126, 38839), (139, 38947), (140, 38959), (154, 39022), (160, 39073), (163, 39082), (186, 39211),

Gene: Cashington_59 Start: 37553, Stop: 38458, Start Num: 65
Candidate Starts for Cashington_59:
(43, 37460), (Start: 65 @37553 has 27 MA's), (83, 37706), (85, 37718), (90, 37736), (91, 37742), (93, 37763), (95, 37793), (100, 37880), (104, 37901), (119, 37970), (126, 38033), (128, 38051), (129, 38054), (136, 38129), (137, 38132), (142, 38168), (165, 38303), (169, 38327),

Gene: Celaena_57 Start: 38869, Stop: 39804, Start Num: 50
Candidate Starts for Celaena_57:
(26, 38722), (Start: 50 @38869 has 6 MA's), (Start: 53 @38875 has 1 MA's), (Start: 59 @38902 has 5 MA's), (70, 38941), (85, 39076), (90, 39094), (91, 39100), (95, 39151), (101, 39241), (116, 39307), (126, 39382), (128, 39400), (136, 39478), (137, 39481), (139, 39490), (147, 39532), (167, 39658), (173, 39691),

Gene: ChamoyPickle_69 Start: 38926, Stop: 39774, Start Num: 61
Candidate Starts for ChamoyPickle_69:
(Start: 61 @38926 has 11 MA's), (72, 38974), (91, 39124), (126, 39379), (139, 39487), (140, 39499), (154, 39562), (160, 39613), (163, 39622), (186, 39751),

Gene: Cheesy_87 Start: 50767, Stop: 51573, Start Num: 60
Candidate Starts for Cheesy_87:
(Start: 60 @50767 has 21 MA's), (67, 50797), (68, 50800), (69, 50803), (71, 50812), (86, 50941), (91, 50962), (98, 51055), (123, 51181), (125, 51190), (126, 51199), (127, 51205), (136, 51286), (138, 51292), (142, 51325), (166, 51445), (183, 51523), (187, 51562),

Gene: ChiliPepper_57 Start: 38412, Stop: 39344, Start Num: 57

Candidate Starts for ChiliPepper_57:
(Start: 57 @38412 has 6 MA's), (74, 38481), (85, 38598), (91, 38622), (95, 38673), (103, 38784), (108, 38802), (113, 38826), (123, 38904), (126, 38922), (128, 38940), (129, 38943), (136, 39018), (137, 39021), (139, 39030), (147, 39072), (151, 39093), (154, 39123), (157, 39150), (169, 39213), (171, 39225),

Gene: ChipsNGuac_68 Start: 38386, Stop: 39234, Start Num: 61
Candidate Starts for ChipsNGuac_68:
(Start: 61 @38386 has 11 MA's), (72, 38434), (91, 38584), (126, 38839), (139, 38947), (140, 38959), (154, 39022), (160, 39073), (163, 39082), (186, 39211),

Gene: Circum_86 Start: 50824, Stop: 51630, Start Num: 60
Candidate Starts for Circum_86:
(Start: 60 @50824 has 21 MA's), (67, 50854), (68, 50857), (69, 50860), (71, 50869), (86, 50998), (91, 51019), (98, 51112), (123, 51238), (125, 51247), (126, 51256), (127, 51262), (135, 51322), (136, 51343), (138, 51349), (142, 51382), (166, 51502), (183, 51580), (187, 51619),

Gene: Clayda5_61 Start: 36192, Stop: 37106, Start Num: 54
Candidate Starts for Clayda5_61:
(29, 36060), (39, 36120), (Start: 54 @36192 has 9 MA's), (83, 36363), (85, 36375), (90, 36393), (91, 36399), (95, 36450), (101, 36537), (106, 36567), (113, 36588), (123, 36666), (126, 36684), (128, 36702), (129, 36705), (136, 36780), (137, 36783), (139, 36792), (154, 36885), (169, 36975), (171, 36987),

Gene: CliffHanger_69 Start: 37853, Stop: 38749, Start Num: 66
Candidate Starts for CliffHanger_69:
(Start: 66 @37853 has 4 MA's), (70, 37883), (78, 37964), (85, 38015), (90, 38033), (91, 38039), (93, 38060), (95, 38090), (115, 38240), (126, 38318), (128, 38336), (136, 38414), (137, 38417), (139, 38426), (144, 38459), (147, 38468), (183, 38696),

Gene: Coltrane_59 Start: 36127, Stop: 37041, Start Num: 54
Candidate Starts for Coltrane_59:
(29, 35995), (39, 36055), (Start: 54 @36127 has 9 MA's), (85, 36310), (90, 36328), (91, 36334), (95, 36385), (101, 36472), (106, 36502), (113, 36523), (123, 36601), (126, 36619), (128, 36637), (129, 36640), (136, 36715), (137, 36718), (139, 36727), (154, 36820), (169, 36910), (171, 36922),

Gene: Correa_84 Start: 50324, Stop: 51130, Start Num: 60
Candidate Starts for Correa_84:
(Start: 60 @50324 has 21 MA's), (67, 50354), (68, 50357), (69, 50360), (71, 50369), (91, 50519), (116, 50681), (125, 50747), (126, 50756), (127, 50762), (133, 50810), (135, 50822), (136, 50843), (138, 50849), (142, 50882), (156, 50951), (183, 51080), (187, 51119),

Gene: CroZenni_60 Start: 37761, Stop: 38672, Start Num: 65
Candidate Starts for CroZenni_60:
(11, 37296), (Start: 65 @37761 has 27 MA's), (83, 37914), (85, 37926), (90, 37944), (91, 37950), (93, 37971), (95, 38001), (119, 38184), (126, 38247), (128, 38265), (129, 38268), (136, 38343), (137, 38346), (139, 38355), (142, 38382), (165, 38517), (169, 38541),

Gene: CupcakePrincess_59 Start: 37419, Stop: 38333, Start Num: 64
Candidate Starts for CupcakePrincess_59:
(3, 36786), (4, 36792), (24, 37191), (Start: 64 @37419 has 26 MA's), (83, 37575), (85, 37587), (90, 37605), (91, 37611), (95, 37662), (119, 37845), (126, 37908), (128, 37926), (129, 37929), (136, 38004), (137, 38007), (139, 38016), (165, 38178), (169, 38202),

Gene: CurlyFries_97 Start: 49876, Stop: 50658, Start Num: 64
Candidate Starts for CurlyFries_97:
(23, 49621), (45, 49798), (Start: 56 @49846 has 2 MA's), (Start: 64 @49876 has 26 MA's), (Start: 66 @49882 has 4 MA's), (70, 49912), (72, 49918), (76, 49966), (77, 49981), (87, 50047), (96, 50110), (118, 50218), (120, 50227), (126, 50287), (136, 50374), (139, 50386), (146, 50425), (155, 50464), (156, 50482), (187, 50647), (188, 50653),

Gene: Daredevil_4 Start: 1040, Stop: 1846, Start Num: 63
Candidate Starts for Daredevil_4:
(40, 941), (Start: 63 @1040 has 1 MA's), (77, 1148), (96, 1277), (116, 1397), (126, 1472), (130, 1496), (139, 1571), (146, 1610), (148, 1622), (161, 1700), (187, 1835),

Gene: DatBoi_2 Start: 770, Stop: 1582, Start Num: 59
Candidate Starts for DatBoi_2:
(28, 611), (30, 629), (42, 680), (Start: 59 @770 has 5 MA's), (96, 1013), (121, 1175), (126, 1211), (130, 1235), (146, 1349), (162, 1442), (187, 1571),

Gene: DickRichards_58 Start: 37915, Stop: 38838, Start Num: 65
Candidate Starts for DickRichards_58:
(9, 37390), (11, 37450), (Start: 65 @37915 has 27 MA's), (83, 38068), (85, 38080), (90, 38098), (91, 38104), (93, 38125), (95, 38155), (111, 38302), (119, 38350), (126, 38413), (128, 38431), (129, 38434), (136, 38509), (137, 38512), (139, 38521), (142, 38548), (165, 38683), (169, 38707),

Gene: Didgeridoo_64 Start: 38737, Stop: 39648, Start Num: 64
Candidate Starts for Didgeridoo_64:
(Start: 64 @38737 has 26 MA's), (80, 38869), (85, 38905), (90, 38923), (91, 38929), (93, 38950), (95, 38980), (106, 39100), (126, 39226), (128, 39244), (134, 39295), (136, 39322), (137, 39325), (139, 39334), (142, 39361), (147, 39376), (169, 39517),

Gene: DirtyBubble_58 Start: 38114, Stop: 39028, Start Num: 64
Candidate Starts for DirtyBubble_58:
(Start: 64 @38114 has 26 MA's), (80, 38246), (83, 38270), (85, 38282), (90, 38300), (91, 38306), (95, 38357), (105, 38477), (114, 38516), (115, 38525), (126, 38603), (128, 38621), (129, 38624), (136, 38699), (137, 38702), (139, 38711), (142, 38738), (152, 38792), (156, 38828), (157, 38834), (165, 38873), (169, 38897), (172, 38912),

Gene: Dismas_58 Start: 38333, Stop: 39265, Start Num: 57
Candidate Starts for Dismas_58:
(Start: 57 @38333 has 6 MA's), (74, 38402), (85, 38519), (91, 38543), (95, 38594), (103, 38705), (108, 38723), (113, 38747), (115, 38765), (123, 38825), (126, 38843), (128, 38861), (129, 38864), (136, 38939), (137, 38942), (139, 38951), (147, 38993), (151, 39014), (154, 39044), (157, 39071), (169, 39134), (171, 39146),

Gene: Doobus_58 Start: 37608, Stop: 38513, Start Num: 65
Candidate Starts for Doobus_58:
(8, 37074), (48, 37539), (Start: 65 @37608 has 27 MA's), (83, 37761), (85, 37773), (90, 37791), (91, 37797), (93, 37818), (95, 37848), (104, 37956), (119, 38025), (126, 38088), (128, 38106), (129, 38109), (136, 38184), (137, 38187), (139, 38196), (142, 38223), (165, 38358), (169, 38382),

Gene: Dynamite_86 Start: 50343, Stop: 51149, Start Num: 60
Candidate Starts for Dynamite_86:

(Start: 60 @50343 has 21 MA's), (67, 50373), (68, 50376), (69, 50379), (71, 50388), (86, 50517), (91, 50538), (98, 50631), (123, 50757), (125, 50766), (126, 50775), (127, 50781), (135, 50841), (136, 50862), (138, 50868), (142, 50901), (166, 51021), (183, 51099), (187, 51138),

Gene: Eden_59 Start: 36997, Stop: 37890, Start Num: 54
Candidate Starts for Eden_59:
(Start: 50 @36982 has 6 MA's), (Start: 54 @36997 has 9 MA's), (80, 37144), (85, 37180), (90, 37198), (91, 37204), (95, 37255), (106, 37360), (114, 37381), (115, 37390), (123, 37450), (126, 37468), (128, 37486), (129, 37489), (136, 37564), (137, 37567), (139, 37576), (168, 37750), (169, 37759),

Gene: Elsa_86 Start: 50975, Stop: 51781, Start Num: 60
Candidate Starts for Elsa_86:
(Start: 60 @50975 has 21 MA's), (67, 51005), (68, 51008), (69, 51011), (71, 51020), (91, 51170), (98, 51263), (123, 51389), (125, 51398), (126, 51407), (127, 51413), (133, 51461), (136, 51494), (146, 51545), (153, 51572), (183, 51731), (187, 51770),

Gene: Elva_61 Start: 38508, Stop: 39437, Start Num: 55
Candidate Starts for Elva_61:
(Start: 55 @38508 has 8 MA's), (70, 38559), (80, 38658), (83, 38682), (85, 38694), (90, 38712), (91, 38718), (95, 38769), (105, 38889), (121, 38979), (126, 39015), (128, 39033), (129, 39036), (134, 39084), (136, 39111), (137, 39114), (139, 39123), (142, 39150), (147, 39165), (169, 39306),

Gene: Elver_195 Start: 93137, Stop: 93946, Start Num: 62
Candidate Starts for Elver_195:
(Start: 62 @93137 has 4 MA's), (77, 93245), (94, 93359), (99, 93452), (123, 93554), (126, 93572), (132, 93611), (136, 93659), (143, 93701), (146, 93710), (187, 93935),

Gene: Eula_59 Start: 37405, Stop: 38319, Start Num: 64
Candidate Starts for Eula_59:
(3, 36772), (4, 36778), (24, 37177), (Start: 64 @37405 has 26 MA's), (83, 37561), (85, 37573), (90, 37591), (91, 37597), (95, 37648), (119, 37831), (126, 37894), (128, 37912), (129, 37915), (136, 37990), (137, 37993), (139, 38002), (165, 38164), (169, 38188),

Gene: Ezurina_69 Start: 39372, Stop: 40202, Start Num: 61
Candidate Starts for Ezurina_69:
(Start: 61 @39372 has 11 MA's), (72, 39420), (81, 39516), (91, 39570), (126, 39807), (139, 39915), (140, 39927), (154, 39990), (160, 40041), (163, 40050),

Gene: Finalfrontier_61 Start: 38910, Stop: 39815, Start Num: 65
Candidate Starts for Finalfrontier_61:
(5, 38307), (Start: 65 @38910 has 27 MA's), (80, 39039), (83, 39063), (85, 39075), (90, 39093), (91, 39099), (95, 39150), (103, 39258), (119, 39327), (126, 39390), (128, 39408), (129, 39411), (136, 39486), (137, 39489), (139, 39498), (142, 39525), (165, 39660), (169, 39684),

Gene: FlameThrower_56 Start: 37906, Stop: 38841, Start Num: 50
Candidate Starts for FlameThrower_56:
(26, 37759), (Start: 50 @37906 has 6 MA's), (Start: 53 @37912 has 1 MA's), (Start: 59 @37939 has 5 MA's), (70, 37978), (85, 38113), (90, 38131), (91, 38137), (95, 38188), (101, 38278), (116, 38344), (126, 38419), (128, 38437), (136, 38515), (137, 38518), (139, 38527), (147, 38569), (167, 38695), (173, 38728),

Gene: Franklin22_61 Start: 36648, Stop: 37604, Start Num: 56
Candidate Starts for Franklin22_61:

(12, 36195), (Start: 50 @36630 has 6 MA's), (Start: 54 @36645 has 9 MA's), (Start: 56 @36648 has 2 MA's), (Start: 63 @36675 has 1 MA's), (83, 36837), (85, 36849), (90, 36867), (91, 36873), (95, 36924), (112, 37074), (113, 37086), (115, 37104), (126, 37182), (128, 37200), (129, 37203), (137, 37281), (139, 37290), (169, 37473), (172, 37488), (181, 37545), (183, 37551),

Gene: Gack_58 Start: 36593, Stop: 37522, Start Num: 53
Candidate Starts for Gack_58:
(Start: 53 @36593 has 1 MA's), (85, 36782), (90, 36800), (91, 36806), (95, 36857), (113, 37004), (123, 37082), (126, 37100), (128, 37118), (129, 37121), (136, 37196), (137, 37199), (139, 37208), (154, 37301), (169, 37391), (172, 37406),

Gene: Gandionco_195 Start: 92541, Stop: 93509, Start Num: 28
Candidate Starts for Gandionco_195:
(28, 92541), (33, 92574), (Start: 62 @92706 has 4 MA's), (77, 92814), (89, 92889), (94, 92928), (99, 93021), (115, 93057), (126, 93135), (132, 93174), (136, 93222), (143, 93264), (146, 93273), (187, 93498),

Gene: Gerri43_67 Start: 38386, Stop: 39234, Start Num: 61
Candidate Starts for Gerri43_67:
(Start: 61 @38386 has 11 MA's), (72, 38434), (91, 38584), (126, 38839), (139, 38947), (140, 38959), (154, 39022), (160, 39073), (163, 39082), (186, 39211),

Gene: GoCrazy_83 Start: 49603, Stop: 50409, Start Num: 60
Candidate Starts for GoCrazy_83:
(Start: 60 @49603 has 21 MA's), (67, 49633), (68, 49636), (69, 49639), (71, 49648), (83, 49762), (86, 49777), (91, 49798), (98, 49891), (123, 50017), (125, 50026), (126, 50035), (127, 50041), (135, 50101), (136, 50122), (138, 50128), (142, 50161), (183, 50359), (187, 50398),

Gene: Grist_61 Start: 38073, Stop: 38984, Start Num: 64
Candidate Starts for Grist_61:
(Start: 64 @38073 has 26 MA's), (80, 38205), (85, 38241), (90, 38259), (91, 38265), (93, 38286), (95, 38316), (106, 38436), (126, 38562), (128, 38580), (134, 38631), (136, 38658), (137, 38661), (139, 38670), (142, 38697), (147, 38712), (169, 38853),

Gene: Hankly_86 Start: 49981, Stop: 50787, Start Num: 60
Candidate Starts for Hankly_86:
(Start: 60 @49981 has 21 MA's), (67, 50011), (69, 50017), (71, 50026), (83, 50140), (86, 50155), (91, 50176), (98, 50269), (123, 50395), (125, 50404), (126, 50413), (127, 50419), (135, 50479), (136, 50500), (138, 50506), (142, 50539), (183, 50737), (187, 50776),

Gene: Heisenberger_85 Start: 50232, Stop: 51038, Start Num: 60
Candidate Starts for Heisenberger_85:
(Start: 60 @50232 has 21 MA's), (67, 50262), (68, 50265), (69, 50268), (71, 50277), (86, 50406), (91, 50427), (98, 50520), (123, 50646), (125, 50655), (126, 50664), (127, 50670), (136, 50751), (138, 50757), (142, 50790), (166, 50910), (183, 50988), (187, 51027),

Gene: Huwbert_68 Start: 42366, Stop: 43169, Start Num: 59
Candidate Starts for Huwbert_68:
(31, 42228), (Start: 59 @42366 has 5 MA's), (Start: 64 @42375 has 26 MA's), (73, 42426), (82, 42513), (115, 42720), (122, 42765), (126, 42798), (129, 42819), (136, 42885), (145, 42933), (146, 42936), (171, 43065), (182, 43116), (187, 43158),

Gene: Icarian_61 Start: 38747, Stop: 39679, Start Num: 55

Candidate Starts for Icarian_61:
(51, 38741), (Start: 55 @38747 has 8 MA's), (70, 38798), (80, 38897), (83, 38921), (85, 38933), (90, 38951), (91, 38957), (95, 39008), (105, 39128), (117, 39182), (121, 39218), (126, 39254), (128, 39272), (129, 39275), (136, 39350), (137, 39353), (139, 39362), (142, 39389), (147, 39404), (152, 39443), (156, 39479), (169, 39548),

Gene: IndyLu_61 Start: 38349, Stop: 39260, Start Num: 64
Candidate Starts for IndyLu_61:
(Start: 64 @38349 has 26 MA's), (80, 38481), (85, 38517), (90, 38535), (91, 38541), (93, 38562), (95, 38592), (106, 38712), (126, 38838), (128, 38856), (134, 38907), (136, 38934), (137, 38937), (139, 38946), (142, 38973), (147, 38988), (169, 39129),

Gene: JEGGS_85 Start: 50311, Stop: 51117, Start Num: 60
Candidate Starts for JEGGS_85:
(Start: 60 @50311 has 21 MA's), (67, 50341), (68, 50344), (69, 50347), (71, 50356), (86, 50485), (91, 50506), (125, 50734), (126, 50743), (127, 50749), (133, 50797), (135, 50809), (136, 50830), (138, 50836), (142, 50869), (166, 50989), (183, 51067), (187, 51106),

Gene: Jabb_59 Start: 37419, Stop: 38333, Start Num: 64
Candidate Starts for Jabb_59:
(3, 36786), (4, 36792), (24, 37191), (Start: 64 @37419 has 26 MA's), (83, 37575), (85, 37587), (90, 37605), (91, 37611), (95, 37662), (119, 37845), (126, 37908), (128, 37926), (129, 37929), (136, 38004), (137, 38007), (139, 38016), (165, 38178), (169, 38202),

Gene: JeNeSaisPas_197 Start: 93258, Stop: 94067, Start Num: 62
Candidate Starts for JeNeSaisPas_197:
(Start: 62 @93258 has 4 MA's), (77, 93366), (94, 93480), (99, 93573), (123, 93675), (126, 93693), (132, 93732), (136, 93780), (143, 93822), (146, 93831), (187, 94056),

Gene: Jflix2_1 Start: 198, Stop: 998, Start Num: 52
Candidate Starts for Jflix2_1:
(47, 183), (Start: 52 @198 has 3 MA's), (82, 336), (87, 369), (96, 432), (98, 480), (113, 528), (122, 591), (126, 624), (129, 645), (139, 723),

Gene: Johnathan_59 Start: 37470, Stop: 38381, Start Num: 65
Candidate Starts for Johnathan_59:
(2, 36819), (9, 36930), (Start: 65 @37470 has 27 MA's), (83, 37623), (85, 37635), (90, 37653), (91, 37659), (93, 37680), (95, 37710), (119, 37893), (126, 37956), (128, 37974), (129, 37977), (136, 38052), (137, 38055), (139, 38064), (142, 38091), (165, 38226),

Gene: Jovita_58 Start: 37280, Stop: 38191, Start Num: 64
Candidate Starts for Jovita_58:
(6, 36695), (24, 37052), (34, 37160), (41, 37187), (Start: 64 @37280 has 26 MA's), (80, 37409), (83, 37433), (85, 37445), (90, 37463), (91, 37469), (95, 37520), (119, 37703), (126, 37766), (128, 37784), (129, 37787), (136, 37862), (137, 37865), (139, 37874), (142, 37901), (165, 38036), (169, 38060),

Gene: Kamdara_57 Start: 38371, Stop: 39303, Start Num: 57
Candidate Starts for Kamdara_57:
(Start: 57 @38371 has 6 MA's), (74, 38440), (85, 38557), (91, 38581), (95, 38632), (103, 38743), (107, 38758), (108, 38761), (113, 38785), (115, 38803), (123, 38863), (126, 38881), (128, 38899), (129, 38902), (136, 38977), (137, 38980), (139, 38989), (151, 39052), (154, 39082), (157, 39109), (169, 39172), (171, 39184),

Gene: Kardesai_86 Start: 49918, Stop: 50724, Start Num: 60
Candidate Starts for Kardesai_86:
(Start: 60 @49918 has 21 MA's), (67, 49948), (69, 49954), (71, 49963), (83, 50077), (86, 50092), (91, 50113), (98, 50206), (123, 50332), (125, 50341), (126, 50350), (127, 50356), (135, 50416), (136, 50437), (138, 50443), (142, 50476), (183, 50674), (187, 50713),

Gene: Kate33_63 Start: 38085, Stop: 38996, Start Num: 64
Candidate Starts for Kate33_63:
(9, 37551), (Start: 64 @38085 has 26 MA's), (80, 38217), (85, 38253), (90, 38271), (91, 38277), (93, 38298), (95, 38328), (106, 38448), (126, 38574), (128, 38592), (134, 38643), (136, 38670), (137, 38673), (139, 38682), (142, 38709), (147, 38724), (169, 38865),

Gene: Katzastrophic_58 Start: 38416, Stop: 39351, Start Num: 50
Candidate Starts for Katzastrophic_58:
(26, 38269), (Start: 50 @38416 has 6 MA's), (Start: 53 @38422 has 1 MA's), (Start: 59 @38449 has 5 MA's), (70, 38488), (85, 38623), (90, 38641), (91, 38647), (95, 38698), (101, 38788), (116, 38854), (126, 38929), (128, 38947), (136, 39025), (137, 39028), (139, 39037), (147, 39079), (167, 39205), (173, 39238),

Gene: KeaneyLin_83 Start: 50046, Stop: 50852, Start Num: 60
Candidate Starts for KeaneyLin_83:
(Start: 60 @50046 has 21 MA's), (67, 50076), (68, 50079), (69, 50082), (71, 50091), (86, 50220), (91, 50241), (98, 50334), (123, 50460), (125, 50469), (126, 50478), (127, 50484), (135, 50544), (136, 50565), (138, 50571), (142, 50604), (166, 50724), (183, 50802), (187, 50841),

Gene: Kenzers_59 Start: 37344, Stop: 38252, Start Num: 64
Candidate Starts for Kenzers_59:
(Start: 64 @37344 has 26 MA's), (83, 37500), (85, 37512), (90, 37530), (91, 37536), (95, 37587), (102, 37695), (119, 37764), (126, 37827), (128, 37845), (129, 37848), (136, 37923), (137, 37926), (139, 37935), (142, 37962), (165, 38097), (169, 38121),

Gene: Kieran_57 Start: 38374, Stop: 39306, Start Num: 57
Candidate Starts for Kieran_57:
(13, 37912), (Start: 57 @38374 has 6 MA's), (74, 38443), (85, 38560), (91, 38584), (95, 38635), (103, 38746), (107, 38761), (108, 38764), (113, 38788), (115, 38806), (123, 38866), (126, 38884), (128, 38902), (129, 38905), (136, 38980), (137, 38983), (139, 38992), (151, 39055), (154, 39085), (157, 39112), (169, 39175), (171, 39187),

Gene: Kureo_192 Start: 91813, Stop: 92616, Start Num: 62
Candidate Starts for Kureo_192:
(Start: 62 @91813 has 4 MA's), (77, 91921), (89, 91996), (94, 92035), (99, 92128), (115, 92164), (126, 92242), (132, 92281), (136, 92329), (143, 92371), (146, 92380), (187, 92605),

Gene: Lahqtemish_59 Start: 38368, Stop: 39276, Start Num: 65
Candidate Starts for Lahqtemish_59:
(9, 37837), (Start: 65 @38368 has 27 MA's), (83, 38521), (85, 38533), (90, 38551), (91, 38557), (93, 38578), (95, 38608), (119, 38791), (126, 38854), (128, 38872), (129, 38875), (136, 38950), (137, 38953), (139, 38962), (142, 38989), (169, 39145),

Gene: LastNadiia_66 Start: 40425, Stop: 41234, Start Num: 61
Candidate Starts for LastNadiia_66:
(46, 40359), (Start: 61 @40425 has 11 MA's), (72, 40473), (79, 40557), (82, 40572), (91, 40623), (116, 40773), (122, 40815), (124, 40833), (126, 40848), (136, 40944), (141, 40971), (158, 41073), (163,

41091), (179, 41175),

Gene: Lilo27_61 Start: 37952, Stop: 38863, Start Num: 65
Candidate Starts for Lilo27_61:
(5, 37355), (11, 37487), (Start: 65 @37952 has 27 MA's), (83, 38105), (85, 38117), (90, 38135), (91, 38141), (95, 38192), (119, 38375), (126, 38438), (128, 38456), (129, 38459), (136, 38534), (137, 38537), (142, 38573), (165, 38708), (169, 38732), (185, 38834),

Gene: LimaBean_59 Start: 37374, Stop: 38276, Start Num: 65
Candidate Starts for LimaBean_59:
(1, 36651), (10, 36885), (Start: 65 @37374 has 27 MA's), (83, 37527), (85, 37539), (90, 37557), (91, 37563), (95, 37614), (119, 37788), (126, 37851), (128, 37869), (129, 37872), (136, 37947), (137, 37950), (139, 37959), (142, 37986), (165, 38121), (169, 38145),

Gene: Loviatar_59 Start: 39164, Stop: 40096, Start Num: 55
Candidate Starts for Loviatar_59:
(Start: 55 @39164 has 8 MA's), (70, 39215), (80, 39314), (85, 39350), (90, 39368), (91, 39374), (95, 39425), (105, 39545), (117, 39599), (121, 39635), (126, 39671), (128, 39689), (129, 39692), (136, 39767), (137, 39770), (139, 39779), (142, 39806), (147, 39821), (152, 39860), (156, 39896), (169, 39965),

Gene: Lynlen_60 Start: 37527, Stop: 38435, Start Num: 64
Candidate Starts for Lynlen_60:
(41, 37437), (Start: 64 @37527 has 26 MA's), (83, 37683), (85, 37695), (90, 37713), (91, 37719), (93, 37740), (95, 37770), (102, 37878), (119, 37947), (126, 38010), (128, 38028), (129, 38031), (136, 38106), (137, 38109), (139, 38118), (142, 38145), (165, 38280), (169, 38304),

Gene: Madraxi_1 Start: 197, Stop: 994, Start Num: 52
Candidate Starts for Madraxi_1:
(Start: 52 @197 has 3 MA's), (71, 236), (82, 335), (86, 365), (96, 431), (98, 479), (118, 554), (122, 590), (126, 623), (129, 644), (132, 662), (139, 722), (164, 860), (188, 989),

Gene: Magritte_52 Start: 50451, Stop: 51248, Start Num: 64
Candidate Starts for Magritte_52:
(Start: 64 @50451 has 26 MA's), (125, 50868), (126, 50877), (136, 50964), (139, 50976), (145, 51012), (146, 51015), (147, 51018), (171, 51144),

Gene: Makima_65 Start: 40311, Stop: 41237, Start Num: 36
Candidate Starts for Makima_65:
(Start: 36 @40311 has 1 MA's), (Start: 61 @40428 has 11 MA's), (78, 40551), (79, 40560), (88, 40611), (91, 40626), (116, 40776), (122, 40818), (126, 40851), (132, 40890), (135, 40926), (136, 40947), (141, 40974), (158, 41076), (163, 41094), (179, 41178), (186, 41214), (188, 41232),

Gene: Marianna39_194 Start: 93144, Stop: 94112, Start Num: 28
Candidate Starts for Marianna39_194:
(28, 93144), (33, 93177), (Start: 62 @93309 has 4 MA's), (77, 93417), (89, 93492), (94, 93531), (99, 93624), (115, 93660), (126, 93738), (132, 93777), (136, 93825), (143, 93867), (146, 93876), (187, 94101),

Gene: Milomuff_61 Start: 38066, Stop: 38971, Start Num: 65
Candidate Starts for Milomuff_61:
(2, 37430), (9, 37541), (Start: 65 @38066 has 27 MA's), (83, 38219), (85, 38231), (90, 38249), (91, 38255), (93, 38276), (95, 38306), (104, 38414), (119, 38483), (126, 38546), (128, 38564), (129,

38567), (136, 38642), (137, 38645), (139, 38654), (142, 38681), (165, 38816), (169, 38840),

Gene: Mireles_68 Start: 39986, Stop: 40795, Start Num: 61
Candidate Starts for Mireles_68:
(Start: 61 @39986 has 11 MA's), (79, 40118), (82, 40133), (88, 40169), (91, 40184), (116, 40334), (122, 40376), (126, 40409), (135, 40484), (136, 40505), (139, 40517), (141, 40532), (152, 40577), (158, 40634), (163, 40652), (168, 40673), (179, 40736), (186, 40772), (188, 40790),

Gene: Mollymur_3 Start: 852, Stop: 1661, Start Num: 59
Candidate Starts for Mollymur_3:
(20, 603), (42, 762), (Start: 59 @852 has 5 MA's), (77, 966), (93, 1071), (94, 1080), (116, 1215), (123, 1272), (126, 1290), (130, 1314), (135, 1356), (139, 1389), (146, 1428), (153, 1455), (175, 1569), (187, 1650),

Gene: Mooshroom_87 Start: 49918, Stop: 50724, Start Num: 60
Candidate Starts for Mooshroom_87:
(Start: 60 @49918 has 21 MA's), (67, 49948), (69, 49954), (71, 49963), (83, 50077), (86, 50092), (91, 50113), (98, 50206), (123, 50332), (125, 50341), (126, 50350), (127, 50356), (135, 50416), (136, 50437), (138, 50443), (142, 50476), (183, 50674), (187, 50713),

Gene: MsUbiquitous_59 Start: 37419, Stop: 38333, Start Num: 64
Candidate Starts for MsUbiquitous_59:
(3, 36786), (4, 36792), (24, 37191), (Start: 64 @37419 has 26 MA's), (83, 37575), (85, 37587), (90, 37605), (91, 37611), (95, 37662), (119, 37845), (126, 37908), (128, 37926), (129, 37929), (136, 38004), (137, 38007), (139, 38016), (165, 38178), (169, 38202),

Gene: Mudcat_82 Start: 51669, Stop: 52475, Start Num: 60
Candidate Starts for Mudcat_82:
(Start: 60 @51669 has 21 MA's), (67, 51699), (68, 51702), (69, 51705), (71, 51714), (83, 51828), (86, 51843), (89, 51855), (91, 51864), (98, 51957), (123, 52083), (125, 52092), (126, 52101), (127, 52107), (135, 52167), (136, 52188), (138, 52194), (142, 52227), (166, 52347), (183, 52425), (187, 52464),

Gene: NapoleonB_87 Start: 50343, Stop: 51149, Start Num: 60
Candidate Starts for NapoleonB_87:
(Start: 60 @50343 has 21 MA's), (67, 50373), (68, 50376), (69, 50379), (71, 50388), (86, 50517), (91, 50538), (98, 50631), (123, 50757), (125, 50766), (126, 50775), (127, 50781), (135, 50841), (136, 50862), (138, 50868), (142, 50901), (166, 51021), (183, 51099), (187, 51138),

Gene: Nason_86 Start: 50975, Stop: 51781, Start Num: 60
Candidate Starts for Nason_86:
(Start: 60 @50975 has 21 MA's), (67, 51005), (68, 51008), (69, 51011), (71, 51020), (91, 51170), (98, 51263), (123, 51389), (125, 51398), (126, 51407), (127, 51413), (133, 51461), (136, 51494), (146, 51545), (153, 51572), (183, 51731), (187, 51770),

Gene: Neuvillette_67 Start: 38386, Stop: 39234, Start Num: 61
Candidate Starts for Neuvillette_67:
(Start: 61 @38386 has 11 MA's), (72, 38434), (91, 38584), (126, 38839), (139, 38947), (140, 38959), (154, 39022), (160, 39073), (163, 39082), (186, 39211),

Gene: Nicky22_60 Start: 38174, Stop: 39073, Start Num: 64
Candidate Starts for Nicky22_60:
(Start: 64 @38174 has 26 MA's), (80, 38303), (83, 38327), (85, 38339), (90, 38357), (91, 38363), (95, 38414), (119, 38585), (126, 38648), (128, 38666), (129, 38669), (136, 38744), (137, 38747), (139,

38756), (142, 38783), (165, 38918), (169, 38942),

Gene: Paella_196 Start: 94013, Stop: 94822, Start Num: 62
Candidate Starts for Paella_196:
(Start: 62 @94013 has 4 MA's), (77, 94121), (94, 94235), (99, 94328), (123, 94430), (126, 94448), (132, 94487), (136, 94535), (143, 94577), (146, 94586), (187, 94811),

Gene: PastaFagioli_60 Start: 38263, Stop: 39174, Start Num: 64
Candidate Starts for PastaFagioli_60:
(Start: 64 @38263 has 26 MA's), (80, 38395), (85, 38431), (90, 38449), (91, 38455), (93, 38476), (95, 38506), (106, 38626), (126, 38752), (128, 38770), (134, 38821), (136, 38848), (137, 38851), (139, 38860), (142, 38887), (147, 38902), (169, 39043),

Gene: Pecas_60 Start: 37794, Stop: 38705, Start Num: 64
Candidate Starts for Pecas_60:
(41, 37701), (Start: 64 @37794 has 26 MA's), (80, 37923), (83, 37947), (85, 37959), (90, 37977), (91, 37983), (95, 38034), (119, 38217), (126, 38280), (128, 38298), (129, 38301), (136, 38376), (137, 38379), (139, 38388), (142, 38415), (165, 38550), (169, 38574),

Gene: PhigPhack_62 Start: 38073, Stop: 38978, Start Num: 65
Candidate Starts for PhigPhack_62:
(Start: 65 @38073 has 27 MA's), (83, 38226), (85, 38238), (90, 38256), (91, 38262), (93, 38283), (95, 38313), (104, 38421), (119, 38490), (126, 38553), (128, 38571), (129, 38574), (136, 38649), (137, 38652), (139, 38661), (142, 38688), (165, 38823), (169, 38847),

Gene: Phisb_61 Start: 38046, Stop: 38951, Start Num: 65
Candidate Starts for Phisb_61:
(9, 37515), (Start: 65 @38046 has 27 MA's), (83, 38199), (85, 38211), (90, 38229), (91, 38235), (93, 38256), (95, 38286), (104, 38394), (119, 38463), (126, 38526), (128, 38544), (129, 38547), (136, 38622), (137, 38625), (139, 38634), (142, 38661), (165, 38796), (169, 38820),

Gene: PondAmelia_60 Start: 38126, Stop: 39055, Start Num: 55
Candidate Starts for PondAmelia_60:
(51, 38120), (Start: 55 @38126 has 8 MA's), (70, 38177), (80, 38276), (83, 38300), (85, 38312), (90, 38330), (91, 38336), (95, 38387), (105, 38507), (117, 38561), (121, 38597), (126, 38633), (128, 38651), (136, 38729), (137, 38732), (139, 38741), (142, 38768), (147, 38783), (156, 38855), (169, 38924),

Gene: QMacho_61 Start: 38068, Stop: 38979, Start Num: 64
Candidate Starts for QMacho_61:
(Start: 64 @38068 has 26 MA's), (80, 38197), (83, 38221), (85, 38233), (90, 38251), (91, 38257), (95, 38308), (119, 38491), (126, 38554), (128, 38572), (129, 38575), (136, 38650), (137, 38653), (139, 38662), (142, 38689), (165, 38824), (169, 38848),

Gene: Quenya_61 Start: 38811, Stop: 39746, Start Num: 50
Candidate Starts for Quenya_61:
(Start: 50 @38811 has 6 MA's), (Start: 53 @38817 has 1 MA's), (Start: 59 @38844 has 5 MA's), (70, 38883), (85, 39018), (90, 39036), (91, 39042), (93, 39063), (95, 39093), (101, 39183), (108, 39213), (123, 39306), (126, 39324), (128, 39342), (129, 39345), (136, 39420), (137, 39423), (139, 39432), (142, 39459), (147, 39474), (162, 39582), (173, 39633),

Gene: Qui_196 Start: 94010, Stop: 94819, Start Num: 62
Candidate Starts for Qui_196:

(Start: 62 @94010 has 4 MA's), (77, 94118), (94, 94232), (99, 94325), (123, 94427), (126, 94445), (132, 94484), (136, 94532), (143, 94574), (146, 94583), (187, 94808),

Gene: RegnumDei_91 Start: 50466, Stop: 51248, Start Num: 64
Candidate Starts for RegnumDei_91:
(23, 50211), (32, 50325), (45, 50388), (Start: 56 @50436 has 2 MA's), (Start: 64 @50466 has 26 MA's), (Start: 66 @50472 has 4 MA's), (70, 50502), (72, 50508), (76, 50556), (77, 50571), (87, 50637), (96, 50700), (118, 50808), (120, 50817), (126, 50877), (136, 50964), (139, 50976), (146, 51015), (155, 51054), (156, 51072), (187, 51237), (188, 51243),

Gene: Roberts_68 Start: 38386, Stop: 39234, Start Num: 61
Candidate Starts for Roberts_68:
(Start: 61 @38386 has 11 MA's), (72, 38434), (91, 38584), (126, 38839), (139, 38947), (140, 38959), (154, 39022), (160, 39073), (163, 39082), (186, 39211),

Gene: Rollins_59 Start: 36225, Stop: 37139, Start Num: 54
Candidate Starts for Rollins_59:
(7, 35667), (29, 36093), (39, 36153), (Start: 54 @36225 has 9 MA's), (83, 36396), (85, 36408), (90, 36426), (91, 36432), (95, 36483), (101, 36570), (106, 36600), (113, 36621), (123, 36699), (126, 36717), (128, 36735), (129, 36738), (136, 36813), (137, 36816), (139, 36825), (154, 36918), (169, 37008), (171, 37020),

Gene: RomansRevenge_40 Start: 36241, Stop: 35375, Start Num: 56
Candidate Starts for RomansRevenge_40:
(17, 36568), (25, 36433), (37, 36331), (39, 36316), (Start: 56 @36241 has 2 MA's), (Start: 65 @36214 has 27 MA's), (75, 36142), (86, 36049), (94, 35998), (96, 35980), (110, 35866), (115, 35842), (126, 35764), (127, 35758), (129, 35743), (130, 35740), (132, 35725), (135, 35680), (139, 35647), (146, 35608), (147, 35605), (149, 35593), (159, 35527), (176, 35464), (180, 35434),

Gene: Rona_57 Start: 38324, Stop: 39256, Start Num: 57
Candidate Starts for Rona_57:
(Start: 57 @38324 has 6 MA's), (74, 38393), (85, 38510), (91, 38534), (95, 38585), (103, 38696), (108, 38714), (113, 38738), (115, 38756), (123, 38816), (126, 38834), (128, 38852), (129, 38855), (136, 38930), (137, 38933), (139, 38942), (147, 38984), (151, 39005), (154, 39035), (157, 39062), (169, 39125), (171, 39137),

Gene: SFuller_1 Start: 199, Stop: 999, Start Num: 52
Candidate Starts for SFuller_1:
(Start: 52 @199 has 3 MA's), (82, 337), (89, 379), (96, 433), (122, 592), (126, 625), (139, 724),

Gene: SanaSana_60 Start: 38507, Stop: 39439, Start Num: 55
Candidate Starts for SanaSana_60:
(Start: 55 @38507 has 8 MA's), (70, 38558), (80, 38657), (83, 38681), (85, 38693), (90, 38711), (91, 38717), (95, 38768), (105, 38888), (117, 38942), (126, 39014), (128, 39032), (129, 39035), (136, 39110), (137, 39113), (139, 39122), (142, 39149), (147, 39164), (152, 39203), (156, 39239), (169, 39308),

Gene: SansAfet_61 Start: 37872, Stop: 38777, Start Num: 65
Candidate Starts for SansAfet_61:
(Start: 65 @37872 has 27 MA's), (83, 38025), (85, 38037), (90, 38055), (91, 38061), (95, 38112), (104, 38220), (119, 38289), (126, 38352), (128, 38370), (129, 38373), (136, 38448), (137, 38451), (139, 38460), (142, 38487), (165, 38622), (169, 38646),

Gene: SarBear_59 Start: 37372, Stop: 38283, Start Num: 64
Candidate Starts for SarBear_59:
(Start: 64 @37372 has 26 MA's), (80, 37501), (83, 37525), (85, 37537), (90, 37555), (91, 37561), (95, 37612), (119, 37795), (126, 37858), (128, 37876), (129, 37879), (136, 37954), (137, 37957), (139, 37966), (142, 37993), (165, 38128), (169, 38152),

Gene: Shagrat_95 Start: 49780, Stop: 50556, Start Num: 38
Candidate Starts for Shagrat_95:
(19, 49615), (21, 49636), (22, 49639), (27, 49726), (35, 49768), (Start: 38 @49780 has 1 MA's), (70, 49810), (76, 49864), (77, 49879), (81, 49909), (82, 49912), (84, 49933), (86, 49942), (87, 49945), (96, 50008), (126, 50185), (136, 50272), (139, 50284), (146, 50323), (155, 50362), (156, 50380), (160, 50410), (162, 50416), (182, 50503), (187, 50545), (188, 50551),

Gene: Sharkboy_59 Start: 38698, Stop: 39630, Start Num: 57
Candidate Starts for Sharkboy_59:
(Start: 57 @38698 has 6 MA's), (74, 38767), (85, 38884), (91, 38908), (95, 38959), (103, 39070), (107, 39085), (108, 39088), (113, 39112), (115, 39130), (123, 39190), (126, 39208), (128, 39226), (129, 39229), (136, 39304), (137, 39307), (139, 39316), (147, 39358), (151, 39379), (154, 39409), (157, 39436), (169, 39499), (171, 39511),

Gene: Shayna_69 Start: 38654, Stop: 39547, Start Num: 66
Candidate Starts for Shayna_69:
(14, 38210), (15, 38237), (16, 38258), (Start: 66 @38654 has 4 MA's), (83, 38807), (85, 38819), (90, 38837), (91, 38843), (93, 38864), (95, 38894), (126, 39119), (128, 39137), (136, 39215), (137, 39218), (147, 39269), (183, 39494),

Gene: SirBeanington_60 Start: 38272, Stop: 39186, Start Num: 65
Candidate Starts for SirBeanington_60:
(48, 38203), (Start: 65 @38272 has 27 MA's), (83, 38428), (85, 38440), (90, 38458), (91, 38464), (93, 38485), (95, 38515), (119, 38698), (126, 38761), (128, 38779), (129, 38782), (136, 38857), (137, 38860), (139, 38869), (142, 38896),

Gene: Skylord_59 Start: 36166, Stop: 37056, Start Num: 54
Candidate Starts for Skylord_59:
(29, 36034), (39, 36094), (Start: 54 @36166 has 9 MA's), (85, 36349), (90, 36367), (91, 36373), (95, 36424), (106, 36526), (113, 36538), (123, 36616), (126, 36634), (128, 36652), (129, 36655), (136, 36730), (137, 36733), (139, 36742), (154, 36835), (169, 36925), (171, 36937),

Gene: Slay_60 Start: 38344, Stop: 39249, Start Num: 65
Candidate Starts for Slay_60:
(11, 37879), (Start: 65 @38344 has 27 MA's), (80, 38473), (83, 38497), (85, 38509), (90, 38527), (91, 38533), (95, 38584), (103, 38692), (119, 38761), (126, 38824), (128, 38842), (129, 38845), (136, 38920), (137, 38923), (139, 38932), (142, 38959), (165, 39094), (169, 39118),

Gene: Softsoap_61 Start: 38131, Stop: 39036, Start Num: 65
Candidate Starts for Softsoap_61:
(Start: 65 @38131 has 27 MA's), (83, 38284), (85, 38296), (90, 38314), (91, 38320), (93, 38341), (95, 38371), (104, 38479), (119, 38548), (126, 38611), (128, 38629), (129, 38632), (136, 38707), (137, 38710), (139, 38719), (142, 38746), (165, 38881), (169, 38905),

Gene: Solea_62 Start: 38065, Stop: 38970, Start Num: 65
Candidate Starts for Solea_62:

(2, 37429), (9, 37540), (Start: 65 @38065 has 27 MA's), (83, 38218), (85, 38230), (90, 38248), (91, 38254), (93, 38275), (95, 38305), (104, 38413), (119, 38482), (126, 38545), (128, 38563), (129, 38566), (136, 38641), (137, 38644), (139, 38653), (142, 38680), (165, 38815), (169, 38839),

Gene: SpeedDemon_30 Start: 715, Stop: 1518, Start Num: 64
Candidate Starts for SpeedDemon_30:
(Start: 64 @715 has 26 MA's), (93, 925), (116, 1072), (121, 1111), (126, 1147), (130, 1171), (131, 1180), (136, 1234), (139, 1246), (146, 1285), (153, 1312), (162, 1378), (184, 1471), (187, 1507),

Gene: Stardom_85 Start: 49733, Stop: 50539, Start Num: 60
Candidate Starts for Stardom_85:
(Start: 60 @49733 has 21 MA's), (67, 49763), (68, 49766), (69, 49769), (71, 49778), (91, 49928), (123, 50147), (125, 50156), (126, 50165), (127, 50171), (135, 50231), (136, 50252), (138, 50258), (142, 50291), (183, 50489), (187, 50528),

Gene: Stoor_58 Start: 38294, Stop: 39226, Start Num: 55
Candidate Starts for Stoor_58:
(Start: 55 @38294 has 8 MA's), (70, 38345), (80, 38444), (83, 38468), (85, 38480), (90, 38498), (91, 38504), (95, 38555), (105, 38675), (117, 38729), (126, 38801), (128, 38819), (129, 38822), (136, 38897), (137, 38900), (139, 38909), (142, 38936), (147, 38951), (152, 38990), (156, 39026), (169, 39095),

Gene: Stromboli_58 Start: 38113, Stop: 39027, Start Num: 64
Candidate Starts for Stromboli_58:
(58, 38107), (Start: 64 @38113 has 26 MA's), (80, 38245), (83, 38269), (85, 38281), (90, 38299), (91, 38305), (95, 38356), (105, 38476), (114, 38515), (115, 38524), (126, 38602), (128, 38620), (129, 38623), (136, 38698), (137, 38701), (139, 38710), (142, 38737), (147, 38752), (152, 38791), (156, 38827), (157, 38833), (165, 38872), (169, 38896), (172, 38911),

Gene: Studio_69 Start: 39576, Stop: 40424, Start Num: 61
Candidate Starts for Studio_69:
(Start: 61 @39576 has 11 MA's), (72, 39624), (91, 39774), (126, 40029), (139, 40137), (140, 40149), (154, 40212), (160, 40263), (163, 40272), (174, 40317), (178, 40350),

Gene: SunnyD_69 Start: 38654, Stop: 39547, Start Num: 66
Candidate Starts for SunnyD_69:
(Start: 66 @38654 has 4 MA's), (83, 38807), (85, 38819), (90, 38837), (91, 38843), (93, 38864), (95, 38894), (126, 39119), (128, 39137), (136, 39215), (137, 39218), (147, 39269), (183, 39494),

Gene: Swervy_60 Start: 37644, Stop: 38555, Start Num: 64
Candidate Starts for Swervy_60:
(Start: 64 @37644 has 26 MA's), (80, 37773), (83, 37797), (85, 37809), (90, 37827), (91, 37833), (95, 37884), (119, 38067), (126, 38130), (128, 38148), (129, 38151), (136, 38226), (137, 38229), (139, 38238), (142, 38265), (154, 38334), (165, 38400), (169, 38424),

Gene: TMaxx_70 Start: 40011, Stop: 40820, Start Num: 61
Candidate Starts for TMaxx_70:
(Start: 61 @40011 has 11 MA's), (79, 40143), (82, 40158), (91, 40209), (115, 40356), (116, 40359), (122, 40401), (124, 40419), (126, 40434), (129, 40455), (135, 40509), (136, 40530), (139, 40542), (141, 40557), (157, 40644), (158, 40659), (163, 40677), (170, 40713), (179, 40761),

Gene: Teagster_69 Start: 39117, Stop: 39992, Start Num: 66
Candidate Starts for Teagster_69:

(Start: 66 @39117 has 4 MA's), (83, 39270), (85, 39282), (90, 39300), (91, 39306), (95, 39357), (126, 39564), (128, 39582), (136, 39660), (137, 39663), (183, 39939),

Gene: Towmatter_3 Start: 851, Stop: 1669, Start Num: 61
Candidate Starts for Towmatter_3:
(18, 596), (42, 785), (44, 800), (Start: 61 @851 has 11 MA's), (118, 1229), (122, 1265), (126, 1298), (130, 1322), (138, 1391), (139, 1397), (146, 1436), (177, 1589), (185, 1643), (187, 1658),

Gene: Tribby_88 Start: 51102, Stop: 51908, Start Num: 60
Candidate Starts for Tribby_88:
(Start: 60 @51102 has 21 MA's), (67, 51132), (68, 51135), (69, 51138), (71, 51147), (91, 51297), (97, 51381), (98, 51390), (125, 51525), (126, 51534), (127, 51540), (136, 51621), (138, 51627), (142, 51660), (166, 51780), (183, 51858), (187, 51897),

Gene: TripleC_64 Start: 40196, Stop: 41005, Start Num: 61
Candidate Starts for TripleC_64:
(46, 40130), (49, 40136), (Start: 61 @40196 has 11 MA's), (79, 40328), (91, 40394), (116, 40544), (122, 40586), (124, 40604), (126, 40619), (135, 40694), (136, 40715), (139, 40727), (141, 40742), (158, 40844), (163, 40862), (170, 40898), (179, 40946), (186, 40982),

Gene: Triscuit_67 Start: 42329, Stop: 43126, Start Num: 64
Candidate Starts for Triscuit_67:
(31, 42182), (Start: 59 @42320 has 5 MA's), (Start: 64 @42329 has 26 MA's), (73, 42380), (82, 42467), (115, 42677), (126, 42755), (136, 42842), (145, 42890), (146, 42893), (171, 43022), (184, 43079), (187, 43115),

Gene: TukTuk_61 Start: 38089, Stop: 39000, Start Num: 65
Candidate Starts for TukTuk_61:
(Start: 65 @38089 has 27 MA's), (80, 38218), (83, 38242), (85, 38254), (90, 38272), (91, 38278), (95, 38329), (119, 38512), (126, 38575), (128, 38593), (129, 38596), (136, 38671), (137, 38674), (142, 38710), (165, 38845), (169, 38869),

Gene: Vitas_59 Start: 36198, Stop: 37112, Start Num: 54
Candidate Starts for Vitas_59:
(29, 36066), (39, 36126), (Start: 54 @36198 has 9 MA's), (85, 36381), (90, 36399), (91, 36405), (95, 36456), (101, 36543), (106, 36573), (123, 36672), (126, 36690), (128, 36708), (129, 36711), (136, 36786), (137, 36789), (139, 36798), (154, 36891), (169, 36981),

Gene: WalkingDead_61 Start: 39268, Stop: 40203, Start Num: 55
Candidate Starts for WalkingDead_61:
(Start: 55 @39268 has 8 MA's), (70, 39319), (80, 39418), (83, 39442), (85, 39454), (90, 39472), (91, 39478), (95, 39529), (105, 39649), (117, 39703), (121, 39739), (126, 39775), (128, 39793), (129, 39796), (136, 39871), (137, 39874), (139, 39883), (142, 39910), (147, 39925), (152, 39967), (169, 40072),

Gene: Xenomorph_81 Start: 50629, Stop: 51435, Start Num: 60
Candidate Starts for Xenomorph_81:
(Start: 60 @50629 has 21 MA's), (67, 50659), (68, 50662), (69, 50665), (71, 50674), (91, 50824), (98, 50917), (123, 51043), (125, 51052), (126, 51061), (127, 51067), (136, 51148), (138, 51154), (142, 51187), (166, 51307), (183, 51385), (187, 51424),

Gene: YoshiYama_87 Start: 51381, Stop: 52187, Start Num: 60
Candidate Starts for YoshiYama_87:

(Start: 60 @51381 has 21 MA's), (67, 51411), (69, 51417), (71, 51426), (83, 51540), (86, 51555), (91, 51576), (98, 51669), (123, 51795), (125, 51804), (126, 51813), (127, 51819), (135, 51879), (136, 51900), (138, 51906), (142, 51939), (166, 52059), (183, 52137), (187, 52176),