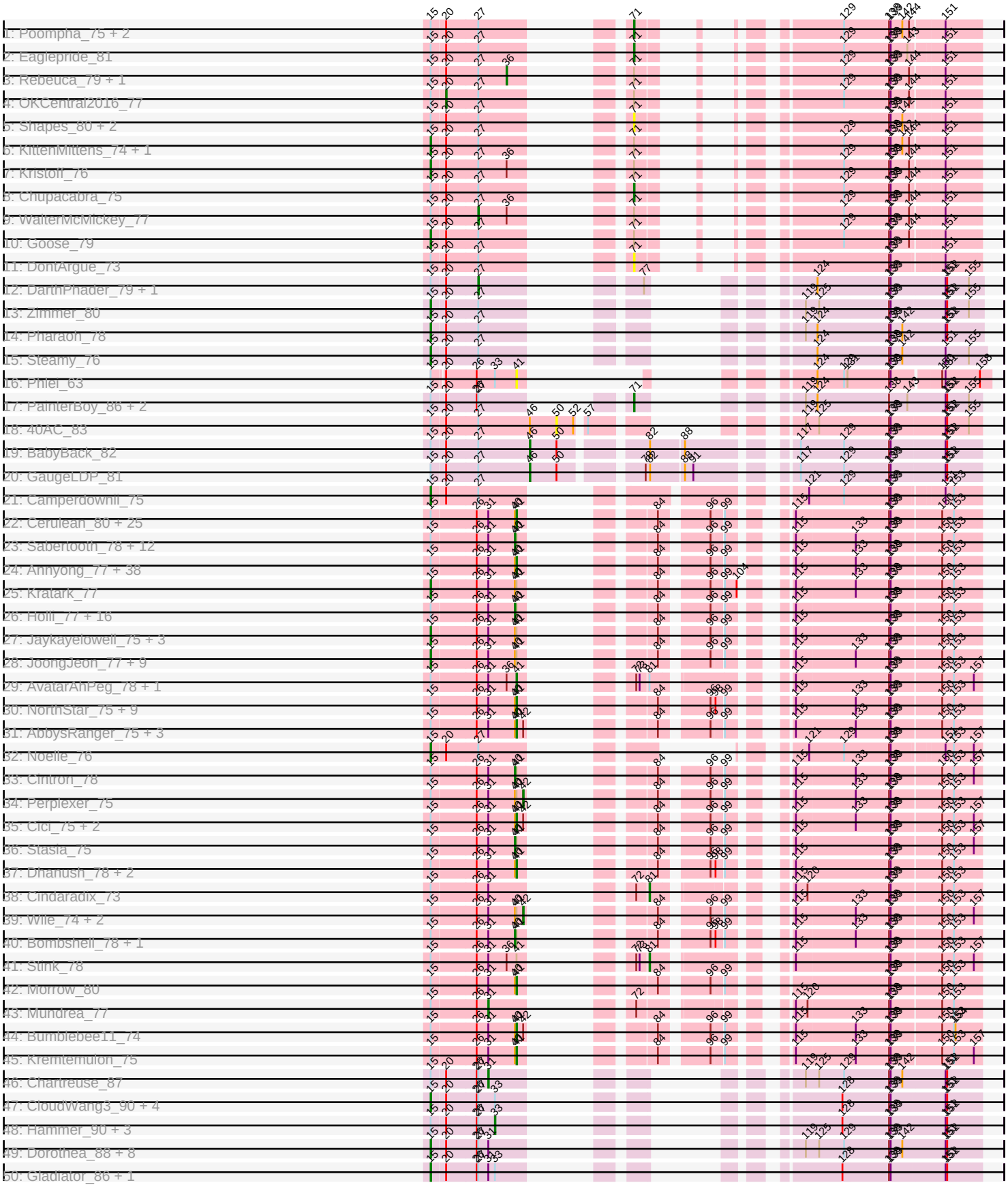
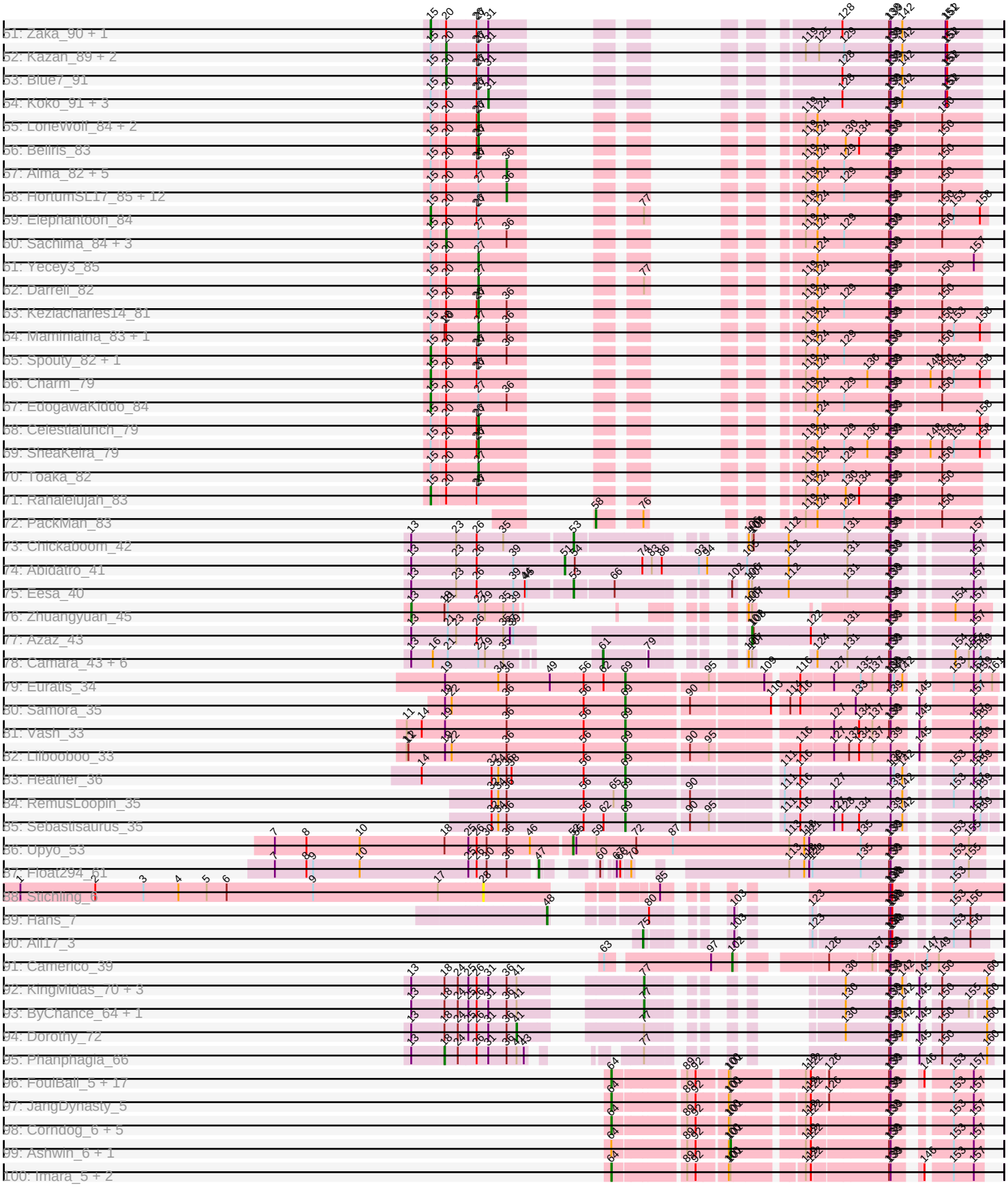
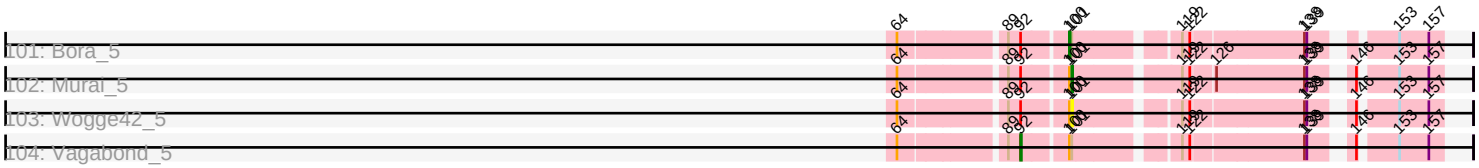
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1: Poompha_75 + 2
2: Eaglepride_81
3: Rebeuca_79 + 1
4: OKCentral2016_77
5: Shapes_80 + 2
6: KittenMittens_74 + 1
7: Kriston_76
8: Chupacabra_75
9: WalterMcMickey_77
10: Goose_79
11: DontArgue_73
12: DarthPhader_79 + 1
13: Zimmer_80
14: Pharaoh_78
15: Steamy_76
16: Phiel_63
17: PainterBoy_86 + 2
18: 40AC_83
19: BabyBack_82
20: GaugeLDP_81
21: Camperdownii_75
22: Cerulean_80 + 25
23: Sabertooth_78 + 12
24: Annyong_77 + 38
25: Kratark_77
26: Holli_77 + 16
27: Jaykayelowell_75 + 3
28: JoongJeon_77 + 9
29: AvatarAhPeg_78 + 1
30: NorthStar_75 + 9
31: AbbysRanger_75 + 3
32: Noelle_76
33: Cintron_78
34: Perplexer_75
35: Cici_75 + 2
36: Stasia_75
37: Dhanush_78 + 2
38: Cindaradix_73
39: Wile_74 + 2
40: Bombshell_78 + 1
41: Stink_78
42: Morrow_80
43: Mundrea_77
44: Bumblebee11_74
45: Kremlemulon_75
46: Chartreuse_87
47: CloudWang3_90 + 4
48: Hammer_90 + 3
49: Dorothea_88 + 8
50: Gladiator_86 + 1

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51: Zaka_90 + 1
52: Kazan_89 + 2
53: Blue7_91
54: Koko_91 + 3
55: LoneWolf_84 + 2
56: Bellis_83
57: Alma_82 + 5
58: HortumSL17_85 + 12
59: Elephantoon_84
60: Sachima_84 + 3
61: Yecey3_85
62: Darrell_82
63: KezlaCharles14_81
64: Mamimama_83 + 1
65: Spouty_82 + 1
66: Charm_79
67: EdogawaKiddo_84
68: CelestialLinch_79
69: SheaKeira_79
70: Toaka_82
71: Rahalelujah_83
72: PackMan_83
73: Chickaboom_42
74: Abidatro_41
75: Eesa_40
76: Zhuangyuan_45
77: Azaz_43
78: Camara_43 + 6
79: Euratis_34
80: Samora_35
81: Vash_33
82: Liboooboo_33
83: Heather_36
84: RemusLoopin_35
85: Sebastisaurus_35
86: Opyo_53
87: Floatz94_61
88: Stichling_6
89: Hans_7
90: Ali17_3
91: Camerico_39
92: KingMidas_70 + 3
93: ByChance_64 + 1
94: Dorothy_72
95: Phanphagia_66
96: FoulBall_5 + 17
97: JangDynasty_5
98: Corndog_6 + 5
99: Ashwin_6 + 1
100: Imara_5 + 2

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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 347158 Report

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

Pham number 347158 has 317 members, 18 are drafts.

Phages represented in each track:
- Track 1 : Poompha_75, Severus_76, PeaceMeal1_75
- Track 2 : Eaglepride_81
- Track 3 : Rebeuca_79, Twister_78
- Track 4 : OKCentral2016_77
- Track 5 : Shapes_80, DustyMartin_80, Rowdy_80
- Track 6 : KittenMittens_74, Drake94_75
- Track 7 : Kristoff_76
- Track 8 : Chupacabra_75
- Track 9 : WalterMcMickey_77
- Track 10 : Goose_79
- Track 11 : DontArgue_73
- Track 12 : DarthPhader_79, Refuge_81
- Track 13 : Zimmer_80
- Track 14 : Pharaoh_78
- Track 15 : Steamy_76
- Track 16 : Phlei_63
- Track 17 : PainterBoy_86, Lucyedi_87, EagleEye_88
- Track 18 : 40AC_83
- Track 19 : BabyBack_82
- Track 20 : GaugeLDP_81
- Track 21 : Camperdownii_75
- Track 22 : Cerulean_80, Deano_75, TiroTheta9_77, Caelakin_76, LochMonster_79, CentreCat_78, Kampy_77, Iracema64_78, Spino_77, Shaka_76, Lunsford_78, BellusTerra_79, SenorClean_79, Roosevelt_76, Phelipe_79, Abdiel_77, Eagle_77, Taquarus_77, SheldonCooper_78, Citius_78, Phontbonne_78, Nebs_79, Medusa_77, Ulysses_77, Druantia_77, ChampagnePapi_81
- Track 23 : Sabertooth_78, Rocksand_75, Polymorphads_79, Mazhar510_78, Northrop_75, Connomayer_78, Pumbaa_78, TygerBlood_78, Koreni_77, LHTSCC_80, Tinybot_77, Sultana_78, Skadoosh_75
- Track 24 : Annyong_77, Eros_78, DirtyDunning_77, Iceman_76, MeeZee_77, Gadost_78, Obama12_79, Huxley_70, OKaNui_77, Maverick_77, Koan_75, Happiness_77, Burger_76, Phacado_78, Millski_77, Peaches_76, PeterPeter_78, Avle17_78, Datway_75, Commander_76, Lorenzo_78, Cocoaberry_78, ICleared_77, Alberto7_79, Wander_78, Relief_77, Kyee_78, Arturo_75, LittleGuy_78, Scamp_78, HamSlice_74, Nemo27_77, LappelDuVide_78, Eapen_78, Houdini22_77, NotAPhaseMom_77, Broseidon_78, Phighter1804_78, Xena_74
- Track 25 : Kratark_77

• Track 26 : Holli_77, Kingmustik0402_78, TroyPia_79, Maxo_80, Blackmoor_77, Eurydice_79, Ohfah_79, JetBlade_79, Nyxis_77, Bartimeaus_78, Sparxx_79, BangNhom_75, YoSam321_78, Buckaroo_74, Baby16_78, Rosa24_74, Junimo_74
• Track 27 : Jaykayelowell_75, Florean_78, Bruiser_77, TinaFeyge_76
• Track 28 : JoongJeon_77, Clarenza_77, BubbleTrouble_77, Palestino_77, KFPoly_77, Albee_78, Thanksgivukkah_77, LittleB_78, Eris_77, Funston_77
• Track 29 : AvatarAhPeg_78, Miramae_78
• Track 30 : NorthStar_75, Romney_77, Wilbur_78, SteMason_78, Pipcraft_74, Ruin_78, RockieBear_78, Lemur_78, Melvin_80, Flux_79
• Track 31 : AbbysRanger_75, Badger_74, PetiteSangsue_75, Backyardigan_73
• Track 32 : Noelle_76
• Track 33 : Cintron_78
• Track 34 : Perplexer_75
• Track 35 : Cici_75, Morpher26_75, Shygu2_76
• Track 36 : Stasia_75
• Track 37 : Dhanush_78, KekoraPapaka_75, Chaph_78
• Track 38 : Cindaradix_73
• Track 39 : Wile_74, Wizard007_75, Katalie136_75
• Track 40 : Bombshell_78, Skipitt_77
• Track 41 : Stink_78
• Track 42 : Morrow_80
• Track 43 : Mundrea_77
• Track 44 : Bumblebee11_74
• Track 45 : Kremtemulon_75
• Track 46 : Chartreuse_87
• Track 47 : CloudWang3_90, Roksolana_90, Hexamo_89, Artemis2UCLA_89, Rifter_90
• Track 48 : Hammer_90, BlessJoy_90, ToneTone_87, Tucker_90
• Track 49 : Dorothea_88, Hoot_83, Polyphemus_81, BABullseye_81, Jordennis_86, Imbriano_89, Candra_89, Isiphiwo_84, JewelBug_80
• Track 50 : Gladiator_86, Gruunaga_89
• Track 51 : Zaka_90, Wiks_89
• Track 52 : Kazan_89, SmellyB_88, Cookiedough_88
• Track 53 : Blue7_91
• Track 54 : Koko_91, Temprado_91, Yokurt_89, Helmet_92
• Track 55 : LoneWolf_84, Vanisoa_79, Arissanae_79
• Track 56 : Bellris_83
• Track 57 : Alma_82, Conquerage_82, Eidsmoe_82, EmyBug_81, Qobbit_82, Ayanochan_81
• Track 58 : HortumSL17_85, Scherzo_82, Phonnegut_84, Fayely_82, Jiawan_84, Tubs_84, Catalina_86, Beemo_84, Myxus_84, Holex_84, Phaeder_84, Pioneer_84, Lilleskat_84
• Track 59 : Elephantoon_84
• Track 60 : Sachima_84, Onglai_83, Hanray_84, RyeScarlet_84
• Track 61 : Yecey3_85
• Track 62 : Darrell_82
• Track 63 : Keziacharles14_81
• Track 64 : Maminiaina_83, BogosyJay_83
• Track 65 : Spouty_82, Priya_82
• Track 66 : Charm_79
• Track 67 : EdogawaKiddo_84
• Track 68 : Celestialunch_79
• Track 69 : SheaKeira_79

• Track 70 : Toaka_82
• Track 71 : Rahalelujah_83
• Track 72 : PackMan_83
• Track 73 : Chickaboom_42
• Track 74 : Abidatro_41
• Track 75 : Eesa_40
• Track 76 : Zhuangyuan_45
• Track 77 : Azaz_43
• Track 78 : Camara_43, Babushka_40, Renna12_42, KHumphrey_43, Glotell_44, Amphitrite_43, AdoptaAdorbs_42
• Track 79 : Euratis_34
• Track 80 : Samora_35
• Track 81 : Vash_33
• Track 82 : Lilbooboo_33
• Track 83 : Heather_36
• Track 84 : RemusLoopin_35
• Track 85 : Sebastisaurus_35
• Track 86 : Upyo_53
• Track 87 : Float294_61
• Track 88 : Stichling_6
• Track 89 : Hans_7
• Track 90 : Ali17_3
• Track 91 : Camerico_39
• Track 92 : KingMidas_70, Sassafras_72, Scottish_69, Inventum_69
• Track 93 : ByChance_64, ShowerHandel_74
• Track 94 : Dorothy_72
• Track 95 : Phanphagia_66
• Track 96 : FoulBall_5, Zebo_5, Familton_6, Schuy_5, Ryadel_7, Idergollasper_5, Shida_5, YoyoKar_5, TelAviv_5, Mori_5, Krili_5, MadKillah_5, NiebruSaylor_5, Blessica_5, Catdawg_5, SchoolBus_5, Vorrps_5, KingPhillip3_5
• Track 97 : JangDynasty_5
• Track 98 : Corndog_6, YungJamal_6, Firecracker_5, Dylan_6, Smooch_6, Zakhe101_6
• Track 99 : Ashwin_6, Wildflower_5
• Track 100 : Imara_5, Winget_5, Alkhayr_5
• Track 101 : Bora_5
• Track 102 : Murai_5
• Track 103 : Wogge42_5
• Track 104 : Vagabond_5

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

The start number called the most often in the published annotations is 41, it was called in 90 of the 299 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbysRanger_75, Abdiel_77, Alberto7_79, Annyong_77, Arturo_75, AvatarAhPeg_78, Avle17_78, Backyardigan_73, Badger_74, BellusTerra_79, Broseidon_78, Bumblebee11_74, Burger_76, Caelakin_76, CentreCat_78, Cerulean_80, ChampagnePapi_81, Chaph_78, Cici_75, Citius_78, Cocoaberry_78,

Commander_76, Datway_75, Deano_75, Dhanush_78, DirtyDunning_77, Dorothy_72, Druantia_77, Eagle_77, Eapen_78, Eros_78, Flux_79, Gadost_78, HamSlice_74, Happiness_77, Houdini22_77, Huxley_70, ICleared_77, Iceman_76, Iracema64_78, Kampy_77, KekoraPapaka_75, Koan_75, Kremtemulon_75, Kyee_78, LappelDuVide_78, Lemur_78, LittleGuy_78, LochMonster_79, Lorenzo_78, Lunsford_78, Maverick_77, Medusa_77, MeeZee_77, Melvin_80, Millski_77, Miramae_78, Morpher26_75, Morrow_80, Nebs_79, Nemo27_77, NorthStar_75, NotAPhaseMom_77, OKaNui_77, Obama12_79, Peaches_76, PeterPeter_78, PetiteSangsue_75, Phacado_78, Phelipe_79, Phighter1804_78, Phlei_63, Phontbonne_78, Pipcraft_74, Relief_77, RockieBear_78, Romney_77, Roosevelt_76, Ruin_78, Scamp_78, SenorClean_79, Shaka_76, SheldonCooper_78, Shygu2_76, Spino_77, SteMason_78, Taquarus_77, TiroTheta9_77, Ulysses_77, Wander_78, Wilbur_78, Xena_74,

Genes that have the "Most Annotated" start but do not call it:
• Albee_78, Baby16_78, BangNhom_75, Bartimeaus_78, Blackmoor_77, Bombshell_78, Bruiser_77, BubbleTrouble_77, Buckaroo_74, ByChance_64, Cintron_78, Clarenza_77, Connomayer_78, Eris_77, Eurydice_79, Florean_78, Funston_77, Holli_77, Inventum_69, Jaykayelowell_75, JetBlade_79, JoongJeon_77, Junimo_74, KFPoly_77, Katalie136_75, KingMidas_70, Kingmustik0402_78, Koreni_77, Kratark_77, LHTSCC_80, LittleB_78, Maxo_80, Mazhar510_78, Northrop_75, Nyxis_77, Ohfah_79, Palestino_77, Perplexer_75, Phanphagia_66, Polymorphads_79, Pumbaa_78, Rocksand_75, Rosa24_74, Sabertooth_78, Sassafras_72, Scottish_69, ShowerHandel_74, Skadoosh_75, Skipitt_77, Sparxx_79, Stasia_75, Stink_78, Sultana_78, Thanksgivukkah_77, TinaFeyge_76, Tinybot_77, TroyPia_79, TygerBlood_78, Wile_74, Wizard007_75, YoSam321_78,

Genes that do not have the "Most Annotated" start:
• 40AC_83, Abidatro_41, AdoptaAdorbs_42, Ali17_3, Alkhayr_5, Alma_82, Amphitrite_43, Arissanae_79, Artemis2UCLA_89, Ashwin_6, Ayanochan_81, Azaz_43, BABullseye_81, Babushka_40, BabyBack_82, Beemo_84, Bellris_83, BlessJoy_90, Blessica_5, Blue7_91, BogosyJay_83, Bora_5, Camara_43, Camerico_39, Camperdownii_75, Candra_89, Catalina_86, Catdawg_5, Celestialunch_79, Charm_79, Chartreuse_87, Chickaboom_42, Chupacabra_75, Cindaradix_73, CloudWang3_90, Conquerage_82, Cookiedough_88, Corndog_6, Darrell_82, DarthPhader_79, DontArgue_73, Dorothea_88, Drake94_75, DustyMartin_80, Dylan_6, EagleEye_88, Eaglepride_81, EdogawaKiddo_84, Eesa_40, Eidsmoe_82, Elephantoon_84, EmyBug_81, Euratis_34, Familton_6, Fayely_82, Firecracker_5, Float294_61, FoulBall_5, GaugeLDP_81, Gladiator_86, Glotell_44, Goose_79, Gruunaga_89, Hammer_90, Hanray_84, Hans_7, Heather_36, Helmet_92, Hexamo_89, Holex_84, Hoot_83, HortumSL17_85, Idergollasper_5, Imara_5, Imbriano_89, Isiphiwo_84, JangDynasty_5, JewelBug_80, Jiawan_84, Jordennis_86, KHumphrey_43, Kazan_89, Keziacharles14_81, KingPhillip3_5, KittenMittens_74, Koko_91, Krili_5, Kristoff_76, Lilbooboo_33, Lilleskat_84, LoneWolf_84, Lucyedi_87, MadKillah_5, Maminiaina_83, Mori_5, Mundrea_77, Murai_5, Myxus_84, NiebruSaylor_5, Noelle_76, OKCentral2016_77, Onglai_83, PackMan_83, PainterBoy_86, PeaceMeal1_75, Phaeder_84, Pharaoh_78, Phonnegut_84, Pioneer_84, Polyphemus_81, Poompha_75, Priya_82, Qobbit_82, Rahalelujah_83, Rebeuca_79, Refuge_81, RemusLoopin_35, Renna12_42, Rifter_90, Roksolana_90, Rowdy_80, Ryadel_7, RyeScarlet_84, Sachima_84, Samora_35, Scherzo_82, SchoolBus_5, Schuy_5, Sebastisaurus_35, Severus_76, Shapes_80, SheaKeira_79, Shida_5, SmellyB_88, Smooch_6, Spouty_82, Steamy_76, Stichling_6, TelAviv_5, Temprado_91, Toaka_82, ToneTone_87,

Tubs_84, Tucker_90, Twister_78, Upyo_53, Vagabond_5, Vanisoa_79, Vash_33, Vorrps_5, WalterMcMickey_77, Wiks_89, Wildflower_5, Winget_5, Wogge42_5, Yecey3_85, Yokurt_89, YoyoKar_5, YungJamal_6, Zaka_90, Zakhe101_6, Zebo_5, Zhuangyuan_45, Zimmer_80,

Summary by start number:

Start 13:
• Found in 20 of 317 (6.3%) of genes in pham
• Manual Annotations of this start: 1 of 299
• Called 5.0% of time when present
• Phage (with cluster) where this start called: Zhuangyuan_45 (AS2),

Start 15:
• Found in 249 of 317 (78.5%) of genes in pham
• Manual Annotations of this start: 48 of 299
• Called 19.3% of time when present
• Phage (with cluster) where this start called: Albee_78 (A4), Artemis2UCLA_89 (A6), BABullseye_81 (A6), Bruiser_77 (A4), BubbleTrouble_77 (A4), Camperdownii_75 (A4), Candra_89 (A6), Charm_79 (A9), Clarenza_77 (A4), CloudWang3_90 (A6), Dorothea_88 (A6), Drake94_75 (A10), EdogawaKiddo_84 (A9), Elephantoon_84 (A9), Eris_77 (A4), Florean_78 (A4), Funston_77 (A4), Gladiator_86 (A6), Goose_79 (A10), Gruunaga_89 (A6), Hexamo_89 (A6), Hoot_83 (A6), Imbriano_89 (A6), Isiphiwo_84 (A6), Jaykayelowell_75 (A4), JewelBug_80 (A6), JoongJeon_77 (A4), Jordennis_86 (A6), KFPoly_77 (A4), KittenMittens_74 (A10), Kratark_77 (A4), Kristoff_76 (A10), LittleB_78 (A4), Noelle_76 (A4), Palestino_77 (A4), Pharaoh_78 (A12), Polyphemus_81 (A6), Priya_82 (A9), Rahalelujah_83 (A9), Rifter_90 (A6), Roksolana_90 (A6), Spouty_82 (A9), Steamy_76 (A12), Thanksgivukkah_77 (A4), TinaFeyge_76 (A4), Wiks_89 (A6), Zaka_90 (A6), Zimmer_80 (A12),

Start 18:
• Found in 12 of 317 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 299
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Phanphagia_66 (F1),

Start 20:
• Found in 103 of 317 (32.5%) of genes in pham
• Manual Annotations of this start: 9 of 299
• Called 8.7% of time when present
• Phage (with cluster) where this start called: Blue7_91 (A6), Cookiedough_88 (A6), Hanray_84 (A9), Kazan_89 (A6), OKCentral2016_77 (A10), Onglai_83 (A9), RyeScarlet_84 (A9), Sachima_84 (A9), SmellyB_88 (A6),

Start 27:
• Found in 110 of 317 (34.7%) of genes in pham
• Manual Annotations of this start: 15 of 299
• Called 13.6% of time when present
• Phage (with cluster) where this start called: Arissanae_79 (A9), Bellris_83 (A9), BogosyJay_83 (A9), Celestialunch_79 (A9), Darrell_82 (A9), DarthPhader_79 (A12), Keziacharles14_81 (A9), LoneWolf_84 (A9), Maminiaina_83 (A9), Refuge_81 (A12), SheaKeira_79 (A9), Toaka_82 (A9), Vanisoa_79 (A9), WalterMcMickey_77 (A10), Yecey3_85 (A9),

Start 28:
• Found in 1 of 317 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stichling_6 (DE1),

Start 31:
• Found in 176 of 317 (55.5%) of genes in pham
• Manual Annotations of this start: 6 of 299
• Called 3.4% of time when present
• Phage (with cluster) where this start called: Chartreuse_87 (A6), Helmet_92 (A6), Koko_91 (A6), Mundrea_77 (A4), Temprado_91 (A6), Yokurt_89 (A6),

Start 33:
• Found in 12 of 317 (3.8%) of genes in pham
• Manual Annotations of this start: 4 of 299
• Called 33.3% of time when present
• Phage (with cluster) where this start called: BlessJoy_90 (A6), Hammer_90 (A6), ToneTone_87 (A6), Tucker_90 (A6),

Start 36:
• Found in 53 of 317 (16.7%) of genes in pham
• Manual Annotations of this start: 21 of 299
• Called 39.6% of time when present
• Phage (with cluster) where this start called: Alma_82 (A9), Ayanochan_81 (A9), Beemo_84 (A9), Catalina_86 (A9), Conquerage_82 (A9), Eidsmoe_82 (A9), EmyBug_81 (A9), Fayely_82 (A9), Holex_84 (A9), HortumSL17_85 (A9), Jiawan_84 (A9), Lilleskat_84 (A9), Myxus_84 (A9), Phaeder_84 (A9), Phonnegut_84 (A9), Pioneer_84 (A9), Qobbit_82 (A9), Rebeuca_79 (A10), Scherzo_82 (A9), Tubs_84 (A9), Twister_78 (A10),

Start 40:
• Found in 141 of 317 (44.5%) of genes in pham
• Manual Annotations of this start: 28 of 299
• Called 24.1% of time when present
• Phage (with cluster) where this start called: Baby16_78 (A4), BangNhom_75 (A4), Bartimeaus_78 (A4), Blackmoor_77 (A4), Bombshell_78 (A4), Buckaroo_74 (A4), Cintron_78 (A4), Connomayer_78 (A4), Eurydice_79 (A4), Holli_77 (A4), JetBlade_79 (A4), Junimo_74 (A4), Kingmustik0402_78 (A4), Koreni_77 (A4), LHTSCC_80 (A4), Maxo_80 (A4), Mazhar510_78 (A4), Northrop_75 (A4), Nyxis_77 (A4), Ohfah_79 (A4), Polymorphads_79 (A4), Pumbaa_78 (A4), Rocksand_75 (A4), Rosa24_74 (A4), Sabertooth_78 (A4), Skadoosh_75 (A4), Skipitt_77 (A4), Sparxx_79 (A4), Stasia_75 (A4), Sultana_78 (A4), Tinybot_77 (A4), TroyPia_79 (A4), TygerBlood_78 (A4), YoSam321_78 (A4),

Start 41:
• Found in 153 of 317 (48.3%) of genes in pham
• Manual Annotations of this start: 90 of 299
• Called 60.1% of time when present
• Phage (with cluster) where this start called: AbbysRanger_75 (A4), Abdiel_77 (A4), Alberto7_79 (A4), Annyong_77 (A4), Arturo_75 (A4), AvatarAhPeg_78 (A4), Avle17_78 (A4), Backyardigan_73 (A4), Badger_74 (A4), BellusTerra_79 (A4),

Broseidon_78 (A4), Bumblebee11_74 (A4), Burger_76 (A4), Caelakin_76 (A4), CentreCat_78 (A4), Cerulean_80 (A4), ChampagnePapi_81 (A4), Chaph_78 (A4), Cici_75 (A4), Citius_78 (A4), Cocoaberry_78 (A4), Commander_76 (A4), Datway_75 (A4), Deano_75 (A4), Dhanush_78 (A4), DirtyDunning_77 (A4), Dorothy_72 (F1), Druantia_77 (A4), Eagle_77 (A4), Eapen_78 (A4), Eros_78 (A4), Flux_79 (A4), Gadost_78 (A4), HamSlice_74 (A4), Happiness_77 (A4), Houdini22_77 (A4), Huxley_70 (A4), ICleared_77 (A4), Iceman_76 (A4), Iracema64_78 (A4), Kampy_77 (A4), KekoraPapaka_75 (A4), Koan_75 (A4), Kremtemulon_75 (A4), Kyee_78 (A4), LappelDuVide_78 (A4), Lemur_78 (A4), LittleGuy_78 (A4), LochMonster_79 (A4), Lorenzo_78 (A4), Lunsford_78 (A4), Maverick_77 (A4), Medusa_77 (A4), MeeZee_77 (A4), Melvin_80 (A4), Millski_77 (A4), Miramae_78 (A4), Morpher26_75 (A4), Morrow_80 (A4), Nebs_79 (A4), Nemo27_77 (A4), NorthStar_75 (A4), NotAPhaseMom_77 (A4), OKaNui_77 (A4), Obama12_79 (A4), Peaches_76 (A4), PeterPeter_78 (A4), PetiteSangsue_75 (A4), Phacado_78 (A4), Phelipe_79 (A4), Phighter1804_78 (A4), Phlei_63 (A13), Phontbonne_78 (A4), Pipcraft_74 (A4), Relief_77 (A4), RockieBear_78 (A4), Romney_77 (A4), Roosevelt_76 (A4), Ruin_78 (A4), Scamp_78 (A4), SenorClean_79 (A4), Shaka_76 (A4), SheldonCooper_78 (A4), Shygu2_76 (A4), Spino_77 (A4), SteMason_78 (A4), Taquarus_77 (A4), TiroTheta9_77 (A4), Ulysses_77 (A4), Wander_78 (A4), Wilbur_78 (A4), Xena_74 (A4),

Start 42:
• Found in 12 of 317 (3.8%) of genes in pham
• Manual Annotations of this start: 4 of 299
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Katalie136_75 (A4), Perplexer_75 (A4), Wile_74 (A4), Wizard007_75 (A4),

Start 46:
• Found in 4 of 317 (1.3%) of genes in pham
• Manual Annotations of this start: 2 of 299
• Called 50.0% of time when present
• Phage (with cluster) where this start called: BabyBack_82 (A2), GaugeLDP_81 (A2),

Start 47:
• Found in 1 of 317 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 299
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Float294_61 (CR3),

Start 48:
• Found in 1 of 317 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 299
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hans_7 (DE2),

Start 50:
• Found in 3 of 317 (0.9%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: 40AC_83 (A17),

Start 51:

• Found in 1 of 317 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 299
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abidatro_41 (AS1),

Start 52:
• Found in 2 of 317 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 299
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Upyo_53 (CD),

Start 53:
• Found in 2 of 317 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 299
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chickaboom_42 (AS1), Eesa_40 (AS1),

Start 58:
• Found in 1 of 317 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 299
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PackMan_83 (A9),

Start 61:
• Found in 7 of 317 (2.2%) of genes in pham
• Manual Annotations of this start: 5 of 299
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AdoptaAdorbs_42 (AS3), Amphitrite_43 (AS3), Babushka_40 (AS3), Camara_43 (AS3), Glotell_44 (AS3), KHumphrey_43 (AS3), Renna12_42 (AS3),

Start 64:
• Found in 34 of 317 (10.7%) of genes in pham
• Manual Annotations of this start: 27 of 299
• Called 82.4% of time when present
• Phage (with cluster) where this start called: Alkhayr_5 (O), Blessica_5 (O), Catdawg_5 (O), Corndog_6 (O), Dylan_6 (O), Familton_6 (O), Firecracker_5 (O), FoulBall_5 (O), Idergollasper_5 (O), Imara_5 (O), JangDynasty_5 (O), KingPhillip3_5 (O), Krili_5 (O), MadKillah_5 (O), Mori_5 (O), NiebruSaylor_5 (O), Ryadel_7 (O), SchoolBus_5 (O), Schuy_5 (O), Shida_5 (O), Smooch_6 (O), TelAviv_5 (O), Vorrps_5 (O), Winget_5 (O), YoyoKar_5 (O), YungJamal_6 (O), Zakhe101_6 (O), Zebo_5 (O),

Start 69:
• Found in 7 of 317 (2.2%) of genes in pham
• Manual Annotations of this start: 7 of 299
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Euratis_34 (BB1), Heather_36 (BB2), Lilbooboo_33 (BB1), RemusLoopin_35 (BB2), Samora_35 (BB1), Sebastisaurus_35 (BB2), Vash_33 (BB1),

Start 71:
• Found in 20 of 317 (6.3%) of genes in pham
• Manual Annotations of this start: 8 of 299

• Called 60.0% of time when present
• Phage (with cluster) where this start called: Chupacabra_75 (A10), DontArgue_73 (A10), DustyMartin_80 (A10), EagleEye_88 (A16), Eaglepride_81 (A10), Lucyedi_87 (A16), PainterBoy_86 (A16), PeaceMeal1_75 (A10), Poompha_75 (A10), Rowdy_80 (A10), Severus_76 (A10), Shapes_80 (A10),

Start 75:
• Found in 1 of 317 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 299
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ali17_3 (DE2),

Start 77:
• Found in 12 of 317 (3.8%) of genes in pham
• Manual Annotations of this start: 6 of 299
• Called 50.0% of time when present
• Phage (with cluster) where this start called: ByChance_64 (F1), Inventum_69 (F1), KingMidas_70 (F1), Sassafras_72 (F1), Scottish_69 (F1), ShowerHandel_74 (F1),

Start 81:
• Found in 4 of 317 (1.3%) of genes in pham
• Manual Annotations of this start: 2 of 299
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Cindaradix_73 (A4), Stink_78 (A4),

Start 92:
• Found in 34 of 317 (10.7%) of genes in pham
• Manual Annotations of this start: 1 of 299
• Called 2.9% of time when present
• Phage (with cluster) where this start called: Vagabond_5 (O),

Start 100:
• Found in 34 of 317 (10.7%) of genes in pham
• Manual Annotations of this start: 1 of 299
• Called 2.9% of time when present
• Phage (with cluster) where this start called: Bora_5 (O),

Start 101:
• Found in 34 of 317 (10.7%) of genes in pham
• Manual Annotations of this start: 3 of 299
• Called 11.8% of time when present
• Phage (with cluster) where this start called: Ashwin_6 (O), Murai_5 (O), Wildflower_5 (O), Wogge42_5 (O),

Start 102:
• Found in 2 of 317 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 299
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Camerico_39 (DF4),

Start 107:
• Found in 11 of 317 (3.5%) of genes in pham
• Manual Annotations of this start: 1 of 299

• Called 9.1% of time when present
• Phage (with cluster) where this start called: Azaz_43 (AS3),

Summary by clusters:

There are 21 clusters represented in this pham: AS3, F1, A17, A16, A10, A13, A12, DF4, DE1, DE2, CR3, AS1, O, CD, A2, A4, A6, A9, AS2, BB2, BB1,

Info for manual annotations of cluster A10:
•Start number 15 was manually annotated 4 times for cluster A10.
•Start number 20 was manually annotated 1 time for cluster A10.
•Start number 27 was manually annotated 1 time for cluster A10.
•Start number 36 was manually annotated 2 times for cluster A10.
•Start number 71 was manually annotated 5 times for cluster A10.

Info for manual annotations of cluster A12:
•Start number 15 was manually annotated 3 times for cluster A12.
•Start number 27 was manually annotated 2 times for cluster A12.

Info for manual annotations of cluster A16:
•Start number 71 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A2:
•Start number 46 was manually annotated 2 times for cluster A2.

Info for manual annotations of cluster A4:
•Start number 15 was manually annotated 17 times for cluster A4.
•Start number 31 was manually annotated 1 time for cluster A4.
•Start number 40 was manually annotated 28 times for cluster A4.
•Start number 41 was manually annotated 89 times for cluster A4.
•Start number 42 was manually annotated 4 times for cluster A4.
•Start number 81 was manually annotated 2 times for cluster A4.

Info for manual annotations of cluster A6:
•Start number 15 was manually annotated 18 times for cluster A6.
•Start number 20 was manually annotated 4 times for cluster A6.
•Start number 31 was manually annotated 5 times for cluster A6.
•Start number 33 was manually annotated 4 times for cluster A6.

Info for manual annotations of cluster A9:
•Start number 15 was manually annotated 6 times for cluster A9.
•Start number 20 was manually annotated 4 times for cluster A9.
•Start number 27 was manually annotated 12 times for cluster A9.
•Start number 36 was manually annotated 19 times for cluster A9.
•Start number 58 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AS1:
•Start number 51 was manually annotated 1 time for cluster AS1.
•Start number 53 was manually annotated 2 times for cluster AS1.

Info for manual annotations of cluster AS2:

•Start number 13 was manually annotated 1 time for cluster AS2.

Info for manual annotations of cluster AS3:
•Start number 61 was manually annotated 5 times for cluster AS3.
•Start number 107 was manually annotated 1 time for cluster AS3.

Info for manual annotations of cluster BB1:
•Start number 69 was manually annotated 4 times for cluster BB1.

Info for manual annotations of cluster BB2:
•Start number 69 was manually annotated 3 times for cluster BB2.

Info for manual annotations of cluster CD:
•Start number 52 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster CR3:
•Start number 47 was manually annotated 1 time for cluster CR3.

Info for manual annotations of cluster DE2:
•Start number 48 was manually annotated 1 time for cluster DE2.
•Start number 75 was manually annotated 1 time for cluster DE2.

Info for manual annotations of cluster DF4:
•Start number 102 was manually annotated 1 time for cluster DF4.

Info for manual annotations of cluster F1:
•Start number 18 was manually annotated 1 time for cluster F1.
•Start number 41 was manually annotated 1 time for cluster F1.
•Start number 77 was manually annotated 6 times for cluster F1.

Info for manual annotations of cluster O:
•Start number 64 was manually annotated 27 times for cluster O.
•Start number 92 was manually annotated 1 time for cluster O.
•Start number 100 was manually annotated 1 time for cluster O.
•Start number 101 was manually annotated 3 times for cluster O.

Gene Information:

Gene: 40AC_83 Start: 49035, Stop: 48499, Start Num: 50
Candidate Starts for 40AC_83:
(Start: 15 @49257 has 48 MA's), (Start: 20 @49233 has 9 MA's), (Start: 27 @49176 has 15 MA's), (Start: 46 @49083 has 2 MA's), (50, 49035), (Start: 52 @49005 has 1 MA's), (57, 48996), (119, 48810), (125, 48786), (138, 48663), (139, 48660), (151, 48564), (152, 48561), (155, 48522),

Gene: AbbysRanger_75 Start: 46560, Stop: 45976, Start Num: 41
Candidate Starts for AbbysRanger_75:
(Start: 15 @46710 has 48 MA's), (26, 46632), (Start: 31 @46611 has 6 MA's), (Start: 40 @46563 has 28 MA's), (Start: 41 @46560 has 90 MA's), (Start: 42 @46548 has 4 MA's), (84, 46455), (96, 46383), (99, 46365), (115, 46299), (133, 46194), (138, 46134), (139, 46131), (150, 46044), (153, 46023),

Gene: Abdiel_77 Start: 46760, Stop: 46176, Start Num: 41
Candidate Starts for Abdiel_77:
(Start: 15 @46910 has 48 MA's), (26, 46832), (Start: 31 @46811 has 6 MA's), (Start: 40 @46763 has 28 MA's), (Start: 41 @46760 has 90 MA's), (84, 46655), (96, 46583), (99, 46565), (115, 46499), (138, 46334), (139, 46331), (150, 46244), (153, 46223),

Gene: Abidatro_41 Start: 27763, Stop: 28476, Start Num: 51
Candidate Starts for Abidatro_41:
(Start: 13 @27487 has 1 MA's), (23, 27568), (26, 27604), (39, 27670), (Start: 51 @27763 has 1 MA's), (54, 27781), (74, 27901), (83, 27916), (86, 27934), (93, 28000), (94, 28015), (105, 28087), (112, 28162), (131, 28264), (138, 28339), (139, 28342), (157, 28459),

Gene: AdoptaAdorbs_42 Start: 27398, Stop: 27865, Start Num: 61
Candidate Starts for AdoptaAdorbs_42:
(Start: 13 @27170 has 1 MA's), (16, 27209), (21, 27236), (Start: 27 @27290 has 15 MA's), (29, 27302), (35, 27335), (Start: 61 @27398 has 5 MA's), (79, 27473), (106, 27563), (Start: 107 @27569 has 1 MA's), (124, 27590), (131, 27641), (138, 27716), (139, 27719), (154, 27803), (155, 27827), (157, 27836), (159, 27848),

Gene: Albee_78 Start: 46898, Stop: 46164, Start Num: 15
Candidate Starts for Albee_78:
(Start: 15 @46898 has 48 MA's), (26, 46820), (Start: 31 @46799 has 6 MA's), (Start: 40 @46751 has 28 MA's), (Start: 41 @46748 has 90 MA's), (84, 46643), (96, 46571), (99, 46553), (115, 46487), (133, 46382), (138, 46322), (139, 46319), (150, 46232), (153, 46211),

Gene: Alberto7_79 Start: 47085, Stop: 46501, Start Num: 41
Candidate Starts for Alberto7_79:
(Start: 15 @47235 has 48 MA's), (26, 47157), (Start: 31 @47136 has 6 MA's), (Start: 40 @47088 has 28 MA's), (Start: 41 @47085 has 90 MA's), (84, 46980), (96, 46908), (99, 46890), (115, 46824), (133, 46719), (138, 46659), (139, 46656), (150, 46569), (153, 46548),

Gene: Ali17_3 Start: 3303, Stop: 3692, Start Num: 75
Candidate Starts for Ali17_3:
(Start: 75 @3303 has 1 MA's), (103, 3387), (123, 3414), (138, 3546), (139, 3549), (140, 3552), (153, 3630), (156, 3660),

Gene: Alkhayr_5 Start: 1855, Stop: 1286, Start Num: 64
Candidate Starts for Alkhayr_5:
(Start: 64 @1855 has 27 MA's), (89, 1738), (Start: 92 @1723 has 1 MA's), (Start: 100 @1672 has 1 MA's), (Start: 101 @1669 has 3 MA's), (119, 1555), (122, 1546), (138, 1417), (139, 1414), (146, 1378), (153, 1339), (157, 1303),

Gene: Alma_82 Start: 46797, Stop: 46282, Start Num: 36
Candidate Starts for Alma_82:
(Start: 15 @46929 has 48 MA's), (Start: 20 @46905 has 9 MA's), (26, 46851), (Start: 27 @46848 has 15 MA's), (Start: 36 @46797 has 21 MA's), (119, 46590), (124, 46569), (129, 46521), (138, 46443), (139, 46440), (150, 46353),

Gene: Amphitrite_43 Start: 27397, Stop: 27864, Start Num: 61
Candidate Starts for Amphitrite_43:
(Start: 13 @27169 has 1 MA's), (16, 27208), (21, 27235), (Start: 27 @27289 has 15 MA's), (29, 27301), (35, 27334), (Start: 61 @27397 has 5 MA's), (79, 27472), (106, 27562), (Start: 107 @27568 has 1 MA's), (124, 27589), (131, 27640), (138, 27715), (139, 27718), (154, 27802), (155, 27826), (157,

27835), (159, 27847),

Gene: Annyong_77 Start: 46793, Stop: 46209, Start Num: 41
Candidate Starts for Annyong_77:
(Start: 15 @46943 has 48 MA's), (26, 46865), (Start: 31 @46844 has 6 MA's), (Start: 40 @46796 has 28 MA's), (Start: 41 @46793 has 90 MA's), (84, 46688), (96, 46616), (99, 46598), (115, 46532), (133, 46427), (138, 46367), (139, 46364), (150, 46277), (153, 46256),

Gene: Arissanae_79 Start: 46740, Stop: 46174, Start Num: 27
Candidate Starts for Arissanae_79:
(Start: 15 @46821 has 48 MA's), (Start: 20 @46797 has 9 MA's), (26, 46743), (Start: 27 @46740 has 15 MA's), (119, 46482), (124, 46461), (138, 46335), (139, 46332), (150, 46245),

Gene: Artemis2UCLA_89 Start: 47205, Stop: 46558, Start Num: 15
Candidate Starts for Artemis2UCLA_89:
(Start: 15 @47205 has 48 MA's), (Start: 20 @47181 has 9 MA's), (26, 47127), (Start: 27 @47124 has 15 MA's), (Start: 33 @47094 has 4 MA's), (128, 46800), (138, 46719), (139, 46716), (151, 46623), (152, 46620),

Gene: Arturo_75 Start: 46876, Stop: 46292, Start Num: 41
Candidate Starts for Arturo_75:
(Start: 15 @47026 has 48 MA's), (26, 46948), (Start: 31 @46927 has 6 MA's), (Start: 40 @46879 has 28 MA's), (Start: 41 @46876 has 90 MA's), (84, 46771), (96, 46699), (99, 46681), (115, 46615), (133, 46510), (138, 46450), (139, 46447), (150, 46360), (153, 46339),

Gene: Ashwin_6 Start: 1973, Stop: 1590, Start Num: 101
Candidate Starts for Ashwin_6:
(Start: 64 @2159 has 27 MA's), (89, 2042), (Start: 92 @2027 has 1 MA's), (Start: 100 @1976 has 1 MA's), (Start: 101 @1973 has 3 MA's), (119, 1859), (122, 1850), (138, 1721), (139, 1718), (153, 1643), (157, 1607),

Gene: AvatarAhPeg_78 Start: 46909, Stop: 46328, Start Num: 41
Candidate Starts for AvatarAhPeg_78:
(Start: 15 @47059 has 48 MA's), (26, 46981), (Start: 31 @46960 has 6 MA's), (Start: 36 @46927 has 21 MA's), (Start: 41 @46909 has 90 MA's), (72, 46840), (73, 46834), (Start: 81 @46822 has 2 MA's), (115, 46651), (138, 46486), (139, 46483), (150, 46396), (153, 46375), (157, 46339),

Gene: Avle17_78 Start: 46742, Stop: 46158, Start Num: 41
Candidate Starts for Avle17_78:
(Start: 15 @46892 has 48 MA's), (26, 46814), (Start: 31 @46793 has 6 MA's), (Start: 40 @46745 has 28 MA's), (Start: 41 @46742 has 90 MA's), (84, 46637), (96, 46565), (99, 46547), (115, 46481), (133, 46376), (138, 46316), (139, 46313), (150, 46226), (153, 46205),

Gene: Ayanochan_81 Start: 46580, Stop: 46065, Start Num: 36
Candidate Starts for Ayanochan_81:
(Start: 15 @46712 has 48 MA's), (Start: 20 @46688 has 9 MA's), (26, 46634), (Start: 27 @46631 has 15 MA's), (Start: 36 @46580 has 21 MA's), (119, 46373), (124, 46352), (129, 46304), (138, 46226), (139, 46223), (150, 46136),

Gene: Azaz_43 Start: 27653, Stop: 28045, Start Num: 107
Candidate Starts for Azaz_43:
(Start: 13 @27236 has 1 MA's), (21, 27302), (23, 27317), (26, 27353), (35, 27401), (37, 27413), (39, 27419), (Start: 107 @27653 has 1 MA's), (108, 27656), (122, 27758), (131, 27821), (138, 27896), (139,

27899), (157, 28016),

Gene: BABullseye_81 Start: 45537, Stop: 44887, Start Num: 15
Candidate Starts for BABullseye_81:
(Start: 15 @45537 has 48 MA's), (Start: 20 @45513 has 9 MA's), (26, 45459), (Start: 27 @45456 has 15 MA's), (Start: 31 @45438 has 6 MA's), (119, 45198), (125, 45174), (129, 45129), (138, 45051), (139, 45048), (142, 45027), (151, 44952), (152, 44949),

Gene: Babushka_40 Start: 27331, Stop: 27798, Start Num: 61
Candidate Starts for Babushka_40:
(Start: 13 @27103 has 1 MA's), (16, 27142), (21, 27169), (Start: 27 @27223 has 15 MA's), (29, 27235), (35, 27268), (Start: 61 @27331 has 5 MA's), (79, 27406), (106, 27496), (Start: 107 @27502 has 1 MA's), (124, 27523), (131, 27574), (138, 27649), (139, 27652), (154, 27736), (155, 27760), (157, 27769), (159, 27781),

Gene: Baby16_78 Start: 46762, Stop: 46175, Start Num: 40
Candidate Starts for Baby16_78:
(Start: 15 @46909 has 48 MA's), (26, 46831), (Start: 31 @46810 has 6 MA's), (Start: 40 @46762 has 28 MA's), (Start: 41 @46759 has 90 MA's), (84, 46654), (96, 46582), (99, 46564), (115, 46498), (138, 46333), (139, 46330), (150, 46243), (153, 46222),

Gene: BabyBack_82 Start: 48998, Stop: 48291, Start Num: 46
Candidate Starts for BabyBack_82:
(Start: 15 @49172 has 48 MA's), (Start: 20 @49148 has 9 MA's), (Start: 27 @49091 has 15 MA's), (Start: 46 @48998 has 2 MA's), (50, 48950), (82, 48821), (88, 48764), (117, 48611), (129, 48533), (138, 48455), (139, 48452), (151, 48356), (152, 48353),

Gene: Backyardigan_73 Start: 46576, Stop: 45992, Start Num: 41
Candidate Starts for Backyardigan_73:
(Start: 15 @46726 has 48 MA's), (26, 46648), (Start: 31 @46627 has 6 MA's), (Start: 40 @46579 has 28 MA's), (Start: 41 @46576 has 90 MA's), (Start: 42 @46564 has 4 MA's), (84, 46471), (96, 46399), (99, 46381), (115, 46315), (133, 46210), (138, 46150), (139, 46147), (150, 46060), (153, 46039),

Gene: Badger_74 Start: 46542, Stop: 45958, Start Num: 41
Candidate Starts for Badger_74:
(Start: 15 @46692 has 48 MA's), (26, 46614), (Start: 31 @46593 has 6 MA's), (Start: 40 @46545 has 28 MA's), (Start: 41 @46542 has 90 MA's), (Start: 42 @46530 has 4 MA's), (84, 46437), (96, 46365), (99, 46347), (115, 46281), (133, 46176), (138, 46116), (139, 46113), (150, 46026), (153, 46005),

Gene: BangNhom_75 Start: 47188, Stop: 46601, Start Num: 40
Candidate Starts for BangNhom_75:
(Start: 15 @47335 has 48 MA's), (26, 47257), (Start: 31 @47236 has 6 MA's), (Start: 40 @47188 has 28 MA's), (Start: 41 @47185 has 90 MA's), (84, 47080), (96, 47008), (99, 46990), (115, 46924), (138, 46759), (139, 46756), (150, 46669), (153, 46648),

Gene: Bartimeaus_78 Start: 46753, Stop: 46166, Start Num: 40
Candidate Starts for Bartimeaus_78:
(Start: 15 @46900 has 48 MA's), (26, 46822), (Start: 31 @46801 has 6 MA's), (Start: 40 @46753 has 28 MA's), (Start: 41 @46750 has 90 MA's), (84, 46645), (96, 46573), (99, 46555), (115, 46489), (138, 46324), (139, 46321), (150, 46234), (153, 46213),

Gene: Beemo_84 Start: 46790, Stop: 46275, Start Num: 36
Candidate Starts for Beemo_84:

(Start: 15 @46922 has 48 MA's), (Start: 20 @46898 has 9 MA's), (Start: 27 @46841 has 15 MA's), (Start: 36 @46790 has 21 MA's), (119, 46583), (124, 46562), (129, 46514), (138, 46436), (139, 46433), (150, 46346),

Gene: Bellris_83 Start: 46366, Stop: 45800, Start Num: 27
Candidate Starts for Bellris_83:
(Start: 15 @46447 has 48 MA's), (Start: 20 @46423 has 9 MA's), (26, 46369), (Start: 27 @46366 has 15 MA's), (119, 46108), (124, 46087), (130, 46036), (134, 46015), (138, 45961), (139, 45958), (150, 45871),

Gene: BellusTerra_79 Start: 46789, Stop: 46205, Start Num: 41
Candidate Starts for BellusTerra_79:
(Start: 15 @46939 has 48 MA's), (26, 46861), (Start: 31 @46840 has 6 MA's), (Start: 40 @46792 has 28 MA's), (Start: 41 @46789 has 90 MA's), (84, 46684), (96, 46612), (99, 46594), (115, 46528), (138, 46363), (139, 46360), (150, 46273), (153, 46252),

Gene: Blackmoor_77 Start: 46753, Stop: 46166, Start Num: 40
Candidate Starts for Blackmoor_77:
(Start: 15 @46900 has 48 MA's), (26, 46822), (Start: 31 @46801 has 6 MA's), (Start: 40 @46753 has 28 MA's), (Start: 41 @46750 has 90 MA's), (84, 46645), (96, 46573), (99, 46555), (115, 46489), (138, 46324), (139, 46321), (150, 46234), (153, 46213),

Gene: BlessJoy_90 Start: 47615, Stop: 47079, Start Num: 33
Candidate Starts for BlessJoy_90:
(Start: 15 @47726 has 48 MA's), (Start: 20 @47702 has 9 MA's), (26, 47648), (Start: 27 @47645 has 15 MA's), (Start: 33 @47615 has 4 MA's), (128, 47321), (138, 47240), (139, 47237), (151, 47144), (152, 47141),

Gene: Blessica_5 Start: 1714, Stop: 1145, Start Num: 64
Candidate Starts for Blessica_5:
(Start: 64 @1714 has 27 MA's), (89, 1597), (Start: 92 @1582 has 1 MA's), (Start: 100 @1531 has 1 MA's), (Start: 101 @1528 has 3 MA's), (119, 1414), (122, 1405), (126, 1381), (138, 1276), (139, 1273), (146, 1237), (153, 1198), (157, 1162),

Gene: Blue7_91 Start: 47412, Stop: 46786, Start Num: 20
Candidate Starts for Blue7_91:
(Start: 15 @47436 has 48 MA's), (Start: 20 @47412 has 9 MA's), (26, 47358), (Start: 27 @47355 has 15 MA's), (Start: 31 @47337 has 6 MA's), (128, 47031), (138, 46950), (139, 46947), (142, 46926), (151, 46851), (152, 46848),

Gene: BogosyJay_83 Start: 46896, Stop: 46318, Start Num: 27
Candidate Starts for BogosyJay_83:
(Start: 15 @46977 has 48 MA's), (Start: 18 @46956 has 1 MA's), (Start: 20 @46953 has 9 MA's), (Start: 27 @46896 has 15 MA's), (Start: 36 @46845 has 21 MA's), (119, 46638), (124, 46617), (138, 46491), (139, 46488), (150, 46401), (153, 46380), (158, 46335),

Gene: Bombshell_78 Start: 46748, Stop: 46161, Start Num: 40
Candidate Starts for Bombshell_78:
(Start: 15 @46895 has 48 MA's), (26, 46817), (Start: 31 @46796 has 6 MA's), (Start: 40 @46748 has 28 MA's), (Start: 41 @46745 has 90 MA's), (84, 46640), (96, 46568), (98, 46562), (99, 46550), (115, 46484), (133, 46379), (138, 46319), (139, 46316), (150, 46229), (153, 46208),

Gene: Bora_5 Start: 1666, Stop: 1286, Start Num: 100

Candidate Starts for Bora_5:
(Start: 64 @1849 has 27 MA's), (89, 1732), (Start: 92 @1717 has 1 MA's), (Start: 100 @1666 has 1 MA's), (Start: 101 @1663 has 3 MA's), (119, 1555), (122, 1546), (138, 1417), (139, 1414), (153, 1339), (157, 1303),

Gene: Broseidon_78 Start: 46751, Stop: 46167, Start Num: 41
Candidate Starts for Broseidon_78:
(Start: 15 @46901 has 48 MA's), (26, 46823), (Start: 31 @46802 has 6 MA's), (Start: 40 @46754 has 28 MA's), (Start: 41 @46751 has 90 MA's), (84, 46646), (96, 46574), (99, 46556), (115, 46490), (133, 46385), (138, 46325), (139, 46322), (150, 46235), (153, 46214),

Gene: Bruiser_77 Start: 46898, Stop: 46164, Start Num: 15
Candidate Starts for Bruiser_77:
(Start: 15 @46898 has 48 MA's), (26, 46820), (Start: 31 @46799 has 6 MA's), (Start: 40 @46751 has 28 MA's), (Start: 41 @46748 has 90 MA's), (84, 46643), (96, 46571), (99, 46553), (115, 46487), (138, 46322), (139, 46319), (150, 46232), (153, 46211),

Gene: BubbleTrouble_77 Start: 46925, Stop: 46191, Start Num: 15
Candidate Starts for BubbleTrouble_77:
(Start: 15 @46925 has 48 MA's), (26, 46847), (Start: 31 @46826 has 6 MA's), (Start: 40 @46778 has 28 MA's), (Start: 41 @46775 has 90 MA's), (84, 46670), (96, 46598), (99, 46580), (115, 46514), (133, 46409), (138, 46349), (139, 46346), (150, 46259), (153, 46238),

Gene: Buckaroo_74 Start: 46755, Stop: 46168, Start Num: 40
Candidate Starts for Buckaroo_74:
(Start: 15 @46902 has 48 MA's), (26, 46824), (Start: 31 @46803 has 6 MA's), (Start: 40 @46755 has 28 MA's), (Start: 41 @46752 has 90 MA's), (84, 46647), (96, 46575), (99, 46557), (115, 46491), (138, 46326), (139, 46323), (150, 46236), (153, 46215),

Gene: Bumblebee11_74 Start: 46542, Stop: 45958, Start Num: 41
Candidate Starts for Bumblebee11_74:
(Start: 15 @46692 has 48 MA's), (26, 46614), (Start: 31 @46593 has 6 MA's), (Start: 40 @46545 has 28 MA's), (Start: 41 @46542 has 90 MA's), (Start: 42 @46530 has 4 MA's), (84, 46437), (96, 46365), (99, 46347), (115, 46281), (133, 46176), (138, 46116), (139, 46113), (150, 46026), (153, 46005), (154, 46002),

Gene: Burger_76 Start: 46748, Stop: 46164, Start Num: 41
Candidate Starts for Burger_76:
(Start: 15 @46898 has 48 MA's), (26, 46820), (Start: 31 @46799 has 6 MA's), (Start: 40 @46751 has 28 MA's), (Start: 41 @46748 has 90 MA's), (84, 46643), (96, 46571), (99, 46553), (115, 46487), (133, 46382), (138, 46322), (139, 46319), (150, 46232), (153, 46211),

Gene: ByChance_64 Start: 42129, Stop: 42512, Start Num: 77
Candidate Starts for ByChance_64:
(Start: 13 @41784 has 1 MA's), (Start: 18 @41841 has 1 MA's), (24, 41865), (25, 41883), (26, 41898), (Start: 31 @41919 has 6 MA's), (Start: 36 @41952 has 21 MA's), (Start: 41 @41970 has 90 MA's), (Start: 77 @42129 has 6 MA's), (130, 42291), (138, 42369), (139, 42372), (142, 42393), (145, 42402), (150, 42429), (155, 42477), (160, 42501),

Gene: Caelakin_76 Start: 46748, Stop: 46164, Start Num: 41
Candidate Starts for Caelakin_76:
(Start: 15 @46898 has 48 MA's), (26, 46820), (Start: 31 @46799 has 6 MA's), (Start: 40 @46751 has 28 MA's), (Start: 41 @46748 has 90 MA's), (84, 46643), (96, 46571), (99, 46553), (115, 46487), (138,

46322), (139, 46319), (150, 46232), (153, 46211),

Gene: Camara_43 Start: 27400, Stop: 27867, Start Num: 61
Candidate Starts for Camara_43:
(Start: 13 @27172 has 1 MA's), (16, 27211), (21, 27238), (Start: 27 @27292 has 15 MA's), (29, 27304), (35, 27337), (Start: 61 @27400 has 5 MA's), (79, 27475), (106, 27565), (Start: 107 @27571 has 1 MA's), (124, 27592), (131, 27643), (138, 27718), (139, 27721), (154, 27805), (155, 27829), (157, 27838), (159, 27850),

Gene: Camerico_39 Start: 42850, Stop: 43254, Start Num: 102
Candidate Starts for Camerico_39:
(63, 42643), (97, 42814), (Start: 102 @42850 has 1 MA's), (126, 42979), (137, 43048), (138, 43072), (139, 43075), (147, 43135), (149, 43156),

Gene: Camperdownii_75 Start: 46323, Stop: 45583, Start Num: 15
Candidate Starts for Camperdownii_75:
(Start: 15 @46323 has 48 MA's), (Start: 20 @46299 has 9 MA's), (Start: 27 @46242 has 15 MA's), (121, 45870), (129, 45807), (138, 45729), (139, 45726), (151, 45645), (153, 45630),

Gene: Candra_89 Start: 47241, Stop: 46591, Start Num: 15
Candidate Starts for Candra_89:
(Start: 15 @47241 has 48 MA's), (Start: 20 @47217 has 9 MA's), (26, 47163), (Start: 27 @47160 has 15 MA's), (Start: 31 @47142 has 6 MA's), (119, 46902), (125, 46878), (129, 46833), (138, 46755), (139, 46752), (142, 46731), (151, 46656), (152, 46653),

Gene: Catalina_86 Start: 46900, Stop: 46385, Start Num: 36
Candidate Starts for Catalina_86:
(Start: 15 @47032 has 48 MA's), (Start: 20 @47008 has 9 MA's), (Start: 27 @46951 has 15 MA's), (Start: 36 @46900 has 21 MA's), (119, 46693), (124, 46672), (129, 46624), (138, 46546), (139, 46543), (150, 46456),

Gene: Catdawg_5 Start: 1764, Stop: 1195, Start Num: 64
Candidate Starts for Catdawg_5:
(Start: 64 @1764 has 27 MA's), (89, 1647), (Start: 92 @1632 has 1 MA's), (Start: 100 @1581 has 1 MA's), (Start: 101 @1578 has 3 MA's), (119, 1464), (122, 1455), (126, 1431), (138, 1326), (139, 1323), (146, 1287), (153, 1248), (157, 1212),

Gene: Celestialunch_79 Start: 46143, Stop: 45568, Start Num: 27
Candidate Starts for Celestialunch_79:
(Start: 15 @46224 has 48 MA's), (Start: 20 @46200 has 9 MA's), (26, 46146), (Start: 27 @46143 has 15 MA's), (124, 45864), (138, 45738), (139, 45735), (158, 45582),

Gene: CentreCat_78 Start: 46788, Stop: 46204, Start Num: 41
Candidate Starts for CentreCat_78:
(Start: 15 @46938 has 48 MA's), (26, 46860), (Start: 31 @46839 has 6 MA's), (Start: 40 @46791 has 28 MA's), (Start: 41 @46788 has 90 MA's), (84, 46683), (96, 46611), (99, 46593), (115, 46527), (138, 46362), (139, 46359), (150, 46272), (153, 46251),

Gene: Cerulean_80 Start: 47186, Stop: 46602, Start Num: 41
Candidate Starts for Cerulean_80:
(Start: 15 @47336 has 48 MA's), (26, 47258), (Start: 31 @47237 has 6 MA's), (Start: 40 @47189 has 28 MA's), (Start: 41 @47186 has 90 MA's), (84, 47081), (96, 47009), (99, 46991), (115, 46925), (138, 46760), (139, 46757), (150, 46670), (153, 46649),

Gene: ChampagnePapi_81 Start: 47188, Stop: 46604, Start Num: 41
Candidate Starts for ChampagnePapi_81:
(Start: 15 @47338 has 48 MA's), (26, 47260), (Start: 31 @47239 has 6 MA's), (Start: 40 @47191 has 28 MA's), (Start: 41 @47188 has 90 MA's), (84, 47083), (96, 47011), (99, 46993), (115, 46927), (138, 46762), (139, 46759), (150, 46672), (153, 46651),

Gene: Chaph_78 Start: 46759, Stop: 46175, Start Num: 41
Candidate Starts for Chaph_78:
(Start: 15 @46909 has 48 MA's), (26, 46831), (Start: 31 @46810 has 6 MA's), (Start: 40 @46762 has 28 MA's), (Start: 41 @46759 has 90 MA's), (84, 46654), (96, 46582), (98, 46576), (99, 46564), (115, 46498), (138, 46333), (139, 46330), (150, 46243), (153, 46222),

Gene: Charm_79 Start: 46368, Stop: 45709, Start Num: 15
Candidate Starts for Charm_79:
(Start: 15 @46368 has 48 MA's), (Start: 20 @46344 has 9 MA's), (26, 46290), (Start: 27 @46287 has 15 MA's), (119, 46029), (124, 46008), (136, 45921), (138, 45882), (139, 45879), (148, 45813), (150, 45792), (153, 45771), (158, 45726),

Gene: Chartreuse_87 Start: 46443, Stop: 45892, Start Num: 31
Candidate Starts for Chartreuse_87:
(Start: 15 @46542 has 48 MA's), (Start: 20 @46518 has 9 MA's), (26, 46464), (Start: 27 @46461 has 15 MA's), (Start: 31 @46443 has 6 MA's), (119, 46203), (125, 46179), (129, 46134), (138, 46056), (139, 46053), (142, 46032), (151, 45957), (152, 45954),

Gene: Chickaboom_42 Start: 27783, Stop: 28385, Start Num: 53
Candidate Starts for Chickaboom_42:
(Start: 13 @27504 has 1 MA's), (23, 27585), (26, 27621), (35, 27669), (Start: 53 @27783 has 2 MA's), (106, 27996), (Start: 107 @28002 has 1 MA's), (108, 28005), (112, 28068), (131, 28170), (138, 28245), (139, 28248), (157, 28365),

Gene: Chupacabra_75 Start: 46471, Stop: 46052, Start Num: 71
Candidate Starts for Chupacabra_75:
(Start: 15 @46687 has 48 MA's), (Start: 20 @46663 has 9 MA's), (Start: 27 @46606 has 15 MA's), (Start: 71 @46471 has 8 MA's), (129, 46282), (138, 46204), (139, 46201), (144, 46168), (151, 46114),

Gene: Cici_75 Start: 46555, Stop: 45971, Start Num: 41
Candidate Starts for Cici_75:
(Start: 15 @46705 has 48 MA's), (26, 46627), (Start: 31 @46606 has 6 MA's), (Start: 40 @46558 has 28 MA's), (Start: 41 @46555 has 90 MA's), (Start: 42 @46543 has 4 MA's), (84, 46450), (96, 46378), (99, 46360), (115, 46294), (133, 46189), (138, 46129), (139, 46126), (150, 46039), (153, 46018), (157, 45982),

Gene: Cindaradix_73 Start: 46788, Stop: 46300, Start Num: 81
Candidate Starts for Cindaradix_73:
(Start: 15 @47025 has 48 MA's), (26, 46947), (Start: 31 @46926 has 6 MA's), (72, 46806), (Start: 81 @46788 has 2 MA's), (115, 46623), (120, 46602), (138, 46458), (139, 46455), (150, 46368), (153, 46347),

Gene: Cintron_78 Start: 46867, Stop: 46280, Start Num: 40
Candidate Starts for Cintron_78:
(Start: 15 @47014 has 48 MA's), (26, 46936), (Start: 31 @46915 has 6 MA's), (Start: 40 @46867 has 28 MA's), (Start: 41 @46864 has 90 MA's), (84, 46759), (96, 46687), (99, 46669), (115, 46603), (133,

46498), (138, 46438), (139, 46435), (150, 46348), (153, 46327), (157, 46291),

Gene: Citius_78 Start: 46769, Stop: 46185, Start Num: 41
Candidate Starts for Citius_78:
(Start: 15 @46919 has 48 MA's), (26, 46841), (Start: 31 @46820 has 6 MA's), (Start: 40 @46772 has 28 MA's), (Start: 41 @46769 has 90 MA's), (84, 46664), (96, 46592), (99, 46574), (115, 46508), (138, 46343), (139, 46340), (150, 46253), (153, 46232),

Gene: Clarenza_77 Start: 46895, Stop: 46161, Start Num: 15
Candidate Starts for Clarenza_77:
(Start: 15 @46895 has 48 MA's), (26, 46817), (Start: 31 @46796 has 6 MA's), (Start: 40 @46748 has 28 MA's), (Start: 41 @46745 has 90 MA's), (84, 46640), (96, 46568), (99, 46550), (115, 46484), (133, 46379), (138, 46319), (139, 46316), (150, 46229), (153, 46208),

Gene: CloudWang3_90 Start: 47734, Stop: 47087, Start Num: 15
Candidate Starts for CloudWang3_90:
(Start: 15 @47734 has 48 MA's), (Start: 20 @47710 has 9 MA's), (26, 47656), (Start: 27 @47653 has 15 MA's), (Start: 33 @47623 has 4 MA's), (128, 47329), (138, 47248), (139, 47245), (151, 47152), (152, 47149),

Gene: Cocoaberry_78 Start: 46749, Stop: 46165, Start Num: 41
Candidate Starts for Cocoaberry_78:
(Start: 15 @46899 has 48 MA's), (26, 46821), (Start: 31 @46800 has 6 MA's), (Start: 40 @46752 has 28 MA's), (Start: 41 @46749 has 90 MA's), (84, 46644), (96, 46572), (99, 46554), (115, 46488), (133, 46383), (138, 46323), (139, 46320), (150, 46233), (153, 46212),

Gene: Commander_76 Start: 46746, Stop: 46162, Start Num: 41
Candidate Starts for Commander_76:
(Start: 15 @46896 has 48 MA's), (26, 46818), (Start: 31 @46797 has 6 MA's), (Start: 40 @46749 has 28 MA's), (Start: 41 @46746 has 90 MA's), (84, 46641), (96, 46569), (99, 46551), (115, 46485), (133, 46380), (138, 46320), (139, 46317), (150, 46230), (153, 46209),

Gene: Connomayer_78 Start: 46751, Stop: 46164, Start Num: 40
Candidate Starts for Connomayer_78:
(Start: 15 @46898 has 48 MA's), (26, 46820), (Start: 31 @46799 has 6 MA's), (Start: 40 @46751 has 28 MA's), (Start: 41 @46748 has 90 MA's), (84, 46643), (96, 46571), (99, 46553), (115, 46487), (133, 46382), (138, 46322), (139, 46319), (150, 46232), (153, 46211),

Gene: Conquerage_82 Start: 46566, Stop: 46051, Start Num: 36
Candidate Starts for Conquerage_82:
(Start: 15 @46698 has 48 MA's), (Start: 20 @46674 has 9 MA's), (26, 46620), (Start: 27 @46617 has 15 MA's), (Start: 36 @46566 has 21 MA's), (119, 46359), (124, 46338), (129, 46290), (138, 46212), (139, 46209), (150, 46122),

Gene: Cookiedough_88 Start: 47826, Stop: 47200, Start Num: 20
Candidate Starts for Cookiedough_88:
(Start: 15 @47850 has 48 MA's), (Start: 20 @47826 has 9 MA's), (26, 47772), (Start: 27 @47769 has 15 MA's), (Start: 31 @47751 has 6 MA's), (119, 47511), (125, 47487), (129, 47442), (138, 47364), (139, 47361), (142, 47340), (151, 47265), (152, 47262),

Gene: Corndog_6 Start: 2141, Stop: 1578, Start Num: 64
Candidate Starts for Corndog_6:

(Start: 64 @2141 has 27 MA's), (89, 2024), (Start: 92 @2009 has 1 MA's), (Start: 100 @1958 has 1 MA's), (Start: 101 @1955 has 3 MA's), (119, 1847), (122, 1838), (138, 1709), (139, 1706), (153, 1631), (157, 1595),

Gene: Darrell_82 Start: 46051, Stop: 45485, Start Num: 27
Candidate Starts for Darrell_82:
(Start: 15 @46132 has 48 MA's), (Start: 20 @46108 has 9 MA's), (Start: 27 @46051 has 15 MA's), (Start: 77 @45898 has 6 MA's), (119, 45793), (124, 45772), (138, 45646), (139, 45643), (150, 45556),

Gene: DarthPhader_79 Start: 47620, Stop: 47048, Start Num: 27
Candidate Starts for DarthPhader_79:
(Start: 15 @47701 has 48 MA's), (Start: 20 @47677 has 9 MA's), (Start: 27 @47620 has 15 MA's), (Start: 77 @47464 has 6 MA's), (124, 47338), (138, 47212), (139, 47209), (151, 47116), (152, 47113), (155, 47074),

Gene: Datway_75 Start: 46559, Stop: 45975, Start Num: 41
Candidate Starts for Datway_75:
(Start: 15 @46709 has 48 MA's), (26, 46631), (Start: 31 @46610 has 6 MA's), (Start: 40 @46562 has 28 MA's), (Start: 41 @46559 has 90 MA's), (84, 46454), (96, 46382), (99, 46364), (115, 46298), (133, 46193), (138, 46133), (139, 46130), (150, 46043), (153, 46022),

Gene: Deano_75 Start: 46756, Stop: 46172, Start Num: 41
Candidate Starts for Deano_75:
(Start: 15 @46906 has 48 MA's), (26, 46828), (Start: 31 @46807 has 6 MA's), (Start: 40 @46759 has 28 MA's), (Start: 41 @46756 has 90 MA's), (84, 46651), (96, 46579), (99, 46561), (115, 46495), (138, 46330), (139, 46327), (150, 46240), (153, 46219),

Gene: Dhanush_78 Start: 46751, Stop: 46167, Start Num: 41
Candidate Starts for Dhanush_78:
(Start: 15 @46901 has 48 MA's), (26, 46823), (Start: 31 @46802 has 6 MA's), (Start: 40 @46754 has 28 MA's), (Start: 41 @46751 has 90 MA's), (84, 46646), (96, 46574), (98, 46568), (99, 46556), (115, 46490), (138, 46325), (139, 46322), (150, 46235), (153, 46214),

Gene: DirtyDunning_77 Start: 46760, Stop: 46176, Start Num: 41
Candidate Starts for DirtyDunning_77:
(Start: 15 @46910 has 48 MA's), (26, 46832), (Start: 31 @46811 has 6 MA's), (Start: 40 @46763 has 28 MA's), (Start: 41 @46760 has 90 MA's), (84, 46655), (96, 46583), (99, 46565), (115, 46499), (133, 46394), (138, 46334), (139, 46331), (150, 46244), (153, 46223),

Gene: DontArgue_73 Start: 45331, Stop: 44912, Start Num: 71
Candidate Starts for DontArgue_73:
(Start: 15 @45547 has 48 MA's), (Start: 20 @45523 has 9 MA's), (Start: 27 @45466 has 15 MA's), (Start: 71 @45331 has 8 MA's), (138, 45064), (139, 45061), (151, 44974),

Gene: Dorothea_88 Start: 47842, Stop: 47192, Start Num: 15
Candidate Starts for Dorothea_88:
(Start: 15 @47842 has 48 MA's), (Start: 20 @47818 has 9 MA's), (26, 47764), (Start: 27 @47761 has 15 MA's), (Start: 31 @47743 has 6 MA's), (119, 47503), (125, 47479), (129, 47434), (138, 47356), (139, 47353), (142, 47332), (151, 47257), (152, 47254),

Gene: Dorothy_72 Start: 44809, Stop: 45360, Start Num: 41
Candidate Starts for Dorothy_72:

(Start: 13 @44623 has 1 MA's), (Start: 18 @44680 has 1 MA's), (24, 44704), (25, 44722), (26, 44737), (Start: 31 @44758 has 6 MA's), (Start: 36 @44791 has 21 MA's), (Start: 41 @44809 has 90 MA's), (Start: 77 @44968 has 6 MA's), (130, 45130), (138, 45208), (139, 45211), (142, 45232), (145, 45241), (150, 45268), (160, 45349),

Gene: Drake94_75 Start: 45844, Stop: 45209, Start Num: 15
Candidate Starts for Drake94_75:
(Start: 15 @45844 has 48 MA's), (Start: 20 @45820 has 9 MA's), (Start: 27 @45763 has 15 MA's), (Start: 71 @45628 has 8 MA's), (129, 45439), (138, 45361), (139, 45358), (142, 45337), (144, 45325), (151, 45271),

Gene: Druantia_77 Start: 46751, Stop: 46167, Start Num: 41
Candidate Starts for Druantia_77:
(Start: 15 @46901 has 48 MA's), (26, 46823), (Start: 31 @46802 has 6 MA's), (Start: 40 @46754 has 28 MA's), (Start: 41 @46751 has 90 MA's), (84, 46646), (96, 46574), (99, 46556), (115, 46490), (138, 46325), (139, 46322), (150, 46235), (153, 46214),

Gene: DustyMartin_80 Start: 46614, Stop: 46195, Start Num: 71
Candidate Starts for DustyMartin_80:
(Start: 15 @46830 has 48 MA's), (Start: 20 @46806 has 9 MA's), (Start: 27 @46749 has 15 MA's), (Start: 71 @46614 has 8 MA's), (138, 46347), (139, 46344), (142, 46323), (151, 46257),

Gene: Dylan_6 Start: 2163, Stop: 1594, Start Num: 64
Candidate Starts for Dylan_6:
(Start: 64 @2163 has 27 MA's), (89, 2046), (Start: 92 @2031 has 1 MA's), (Start: 100 @1980 has 1 MA's), (Start: 101 @1977 has 3 MA's), (119, 1863), (122, 1854), (138, 1725), (139, 1722), (153, 1647), (157, 1611),

Gene: Eagle_77 Start: 46810, Stop: 46226, Start Num: 41
Candidate Starts for Eagle_77:
(Start: 15 @46960 has 48 MA's), (26, 46882), (Start: 31 @46861 has 6 MA's), (Start: 40 @46813 has 28 MA's), (Start: 41 @46810 has 90 MA's), (84, 46705), (96, 46633), (99, 46615), (115, 46549), (138, 46384), (139, 46381), (150, 46294), (153, 46273),

Gene: EagleEye_88 Start: 48605, Stop: 48168, Start Num: 71
Candidate Starts for EagleEye_88:
(Start: 15 @48824 has 48 MA's), (Start: 20 @48800 has 9 MA's), (26, 48746), (Start: 27 @48743 has 15 MA's), (Start: 71 @48605 has 8 MA's), (119, 48482), (124, 48461), (138, 48335), (143, 48302), (151, 48233), (152, 48230), (155, 48191),

Gene: Eaglepride_81 Start: 46551, Stop: 46135, Start Num: 71
Candidate Starts for Eaglepride_81:
(Start: 15 @46767 has 48 MA's), (Start: 20 @46743 has 9 MA's), (Start: 27 @46686 has 15 MA's), (Start: 71 @46551 has 8 MA's), (129, 46362), (138, 46284), (139, 46281), (143, 46251), (151, 46197),

Gene: Eapen_78 Start: 46743, Stop: 46159, Start Num: 41
Candidate Starts for Eapen_78:
(Start: 15 @46893 has 48 MA's), (26, 46815), (Start: 31 @46794 has 6 MA's), (Start: 40 @46746 has 28 MA's), (Start: 41 @46743 has 90 MA's), (84, 46638), (96, 46566), (99, 46548), (115, 46482), (133, 46377), (138, 46317), (139, 46314), (150, 46227), (153, 46206),

Gene: EdogawaKiddo_84 Start: 47000, Stop: 46353, Start Num: 15
Candidate Starts for EdogawaKiddo_84:

(Start: 15 @47000 has 48 MA's), (Start: 20 @46976 has 9 MA's), (Start: 27 @46919 has 15 MA's), (Start: 36 @46868 has 21 MA's), (119, 46661), (124, 46640), (129, 46592), (138, 46514), (139, 46511), (150, 46424),

Gene: Eesa_40 Start: 28668, Stop: 29270, Start Num: 53
Candidate Starts for Eesa_40:
(Start: 13 @28389 has 1 MA's), (23, 28470), (26, 28506), (39, 28572), (44, 28593), (45, 28596), (Start: 53 @28668 has 2 MA's), (66, 28734), (Start: 102 @28869 has 1 MA's), (106, 28881), (Start: 107 @28887 has 1 MA's), (112, 28953), (131, 29055), (138, 29130), (139, 29133), (157, 29250),

Gene: Eidsmoe_82 Start: 46558, Stop: 46043, Start Num: 36
Candidate Starts for Eidsmoe_82:
(Start: 15 @46690 has 48 MA's), (Start: 20 @46666 has 9 MA's), (26, 46612), (Start: 27 @46609 has 15 MA's), (Start: 36 @46558 has 21 MA's), (119, 46351), (124, 46330), (129, 46282), (138, 46204), (139, 46201), (150, 46114),

Gene: Elephantoon_84 Start: 46848, Stop: 46192, Start Num: 15
Candidate Starts for Elephantoon_84:
(Start: 15 @46848 has 48 MA's), (Start: 20 @46824 has 9 MA's), (26, 46770), (Start: 27 @46767 has 15 MA's), (Start: 77 @46614 has 6 MA's), (119, 46509), (124, 46488), (138, 46362), (139, 46359), (150, 46272), (153, 46251), (158, 46206),

Gene: EmyBug_81 Start: 46560, Stop: 46045, Start Num: 36
Candidate Starts for EmyBug_81:
(Start: 15 @46692 has 48 MA's), (Start: 20 @46668 has 9 MA's), (26, 46614), (Start: 27 @46611 has 15 MA's), (Start: 36 @46560 has 21 MA's), (119, 46353), (124, 46332), (129, 46284), (138, 46206), (139, 46203), (150, 46116),

Gene: Eris_77 Start: 46910, Stop: 46176, Start Num: 15
Candidate Starts for Eris_77:
(Start: 15 @46910 has 48 MA's), (26, 46832), (Start: 31 @46811 has 6 MA's), (Start: 40 @46763 has 28 MA's), (Start: 41 @46760 has 90 MA's), (84, 46655), (96, 46583), (99, 46565), (115, 46499), (133, 46394), (138, 46334), (139, 46331), (150, 46244), (153, 46223),

Gene: Eros_78 Start: 46750, Stop: 46166, Start Num: 41
Candidate Starts for Eros_78:
(Start: 15 @46900 has 48 MA's), (26, 46822), (Start: 31 @46801 has 6 MA's), (Start: 40 @46753 has 28 MA's), (Start: 41 @46750 has 90 MA's), (84, 46645), (96, 46573), (99, 46555), (115, 46489), (133, 46384), (138, 46324), (139, 46321), (150, 46234), (153, 46213),

Gene: Euratis_34 Start: 26257, Stop: 26847, Start Num: 69
Candidate Starts for Euratis_34:
(19, 25936), (34, 26032), (Start: 36 @26047 has 21 MA's), (49, 26125), (56, 26185), (62, 26221), (Start: 69 @26257 has 7 MA's), (95, 26392), (109, 26482), (116, 26530), (127, 26587), (135, 26635), (137, 26656), (138, 26686), (139, 26689), (141, 26695), (142, 26710), (153, 26767), (157, 26803), (159, 26815), (161, 26836),

Gene: Eurydice_79 Start: 46788, Stop: 46201, Start Num: 40
Candidate Starts for Eurydice_79:
(Start: 15 @46935 has 48 MA's), (26, 46857), (Start: 31 @46836 has 6 MA's), (Start: 40 @46788 has 28 MA's), (Start: 41 @46785 has 90 MA's), (84, 46680), (96, 46608), (99, 46590), (115, 46524), (138, 46359), (139, 46356), (150, 46269), (153, 46248),

Gene: Familton_6 Start: 1765, Stop: 1196, Start Num: 64
Candidate Starts for Familton_6:
(Start: 64 @1765 has 27 MA's), (89, 1648), (Start: 92 @1633 has 1 MA's), (Start: 100 @1582 has 1 MA's), (Start: 101 @1579 has 3 MA's), (119, 1465), (122, 1456), (126, 1432), (138, 1327), (139, 1324), (146, 1288), (153, 1249), (157, 1213),

Gene: Fayely_82 Start: 46533, Stop: 46018, Start Num: 36
Candidate Starts for Fayely_82:
(Start: 15 @46665 has 48 MA's), (Start: 20 @46641 has 9 MA's), (Start: 27 @46584 has 15 MA's), (Start: 36 @46533 has 21 MA's), (119, 46326), (124, 46305), (129, 46257), (138, 46179), (139, 46176), (150, 46089),

Gene: Firecracker_5 Start: 1850, Stop: 1287, Start Num: 64
Candidate Starts for Firecracker_5:
(Start: 64 @1850 has 27 MA's), (89, 1733), (Start: 92 @1718 has 1 MA's), (Start: 100 @1667 has 1 MA's), (Start: 101 @1664 has 3 MA's), (119, 1556), (122, 1547), (138, 1418), (139, 1415), (153, 1340), (157, 1304),

Gene: Float294_61 Start: 49716, Stop: 49099, Start Num: 47
Candidate Starts for Float294_61:
(7, 50178), (8, 50121), (9, 50109), (10, 50025), (25, 49830), (26, 49815), (30, 49797), (Start: 36 @49761 has 21 MA's), (Start: 47 @49716 has 1 MA's), (60, 49653), (67, 49638), (68, 49632), (70, 49617), (113, 49413), (118, 49386), (121, 49377), (123, 49371), (135, 49287), (138, 49236), (139, 49233), (153, 49155), (155, 49128),

Gene: Florean_78 Start: 46897, Stop: 46163, Start Num: 15
Candidate Starts for Florean_78:
(Start: 15 @46897 has 48 MA's), (26, 46819), (Start: 31 @46798 has 6 MA's), (Start: 40 @46750 has 28 MA's), (Start: 41 @46747 has 90 MA's), (84, 46642), (96, 46570), (99, 46552), (115, 46486), (138, 46321), (139, 46318), (150, 46231), (153, 46210),

Gene: Flux_79 Start: 46746, Stop: 46162, Start Num: 41
Candidate Starts for Flux_79:
(Start: 15 @46896 has 48 MA's), (26, 46818), (Start: 31 @46797 has 6 MA's), (Start: 40 @46749 has 28 MA's), (Start: 41 @46746 has 90 MA's), (84, 46641), (96, 46569), (98, 46563), (99, 46551), (115, 46485), (133, 46380), (138, 46320), (139, 46317), (150, 46230), (153, 46209),

Gene: FoulBall_5 Start: 1765, Stop: 1196, Start Num: 64
Candidate Starts for FoulBall_5:
(Start: 64 @1765 has 27 MA's), (89, 1648), (Start: 92 @1633 has 1 MA's), (Start: 100 @1582 has 1 MA's), (Start: 101 @1579 has 3 MA's), (119, 1465), (122, 1456), (126, 1432), (138, 1327), (139, 1324), (146, 1288), (153, 1249), (157, 1213),

Gene: Funston_77 Start: 46895, Stop: 46161, Start Num: 15
Candidate Starts for Funston_77:
(Start: 15 @46895 has 48 MA's), (26, 46817), (Start: 31 @46796 has 6 MA's), (Start: 40 @46748 has 28 MA's), (Start: 41 @46745 has 90 MA's), (84, 46640), (96, 46568), (99, 46550), (115, 46484), (133, 46379), (138, 46319), (139, 46316), (150, 46229), (153, 46208),

Gene: Gadost_78 Start: 46749, Stop: 46165, Start Num: 41
Candidate Starts for Gadost_78:
(Start: 15 @46899 has 48 MA's), (26, 46821), (Start: 31 @46800 has 6 MA's), (Start: 40 @46752 has 28 MA's), (Start: 41 @46749 has 90 MA's), (84, 46644), (96, 46572), (99, 46554), (115, 46488), (133,

46383), (138, 46323), (139, 46320), (150, 46233), (153, 46212),

Gene: GaugeLDP_81 Start: 48551, Stop: 47844, Start Num: 46
Candidate Starts for GaugeLDP_81:
(Start: 15 @48725 has 48 MA's), (Start: 20 @48701 has 9 MA's), (Start: 27 @48644 has 15 MA's), (Start: 46 @48551 has 2 MA's), (50, 48503), (78, 48380), (82, 48374), (88, 48317), (91, 48302), (117, 48164), (129, 48086), (138, 48008), (139, 48005), (151, 47909), (152, 47906),

Gene: Gladiator_86 Start: 47390, Stop: 46743, Start Num: 15
Candidate Starts for Gladiator_86:
(Start: 15 @47390 has 48 MA's), (Start: 20 @47366 has 9 MA's), (26, 47312), (Start: 27 @47309 has 15 MA's), (Start: 31 @47291 has 6 MA's), (Start: 33 @47279 has 4 MA's), (128, 46985), (138, 46904), (139, 46901), (151, 46808), (152, 46805),

Gene: Glotell_44 Start: 27556, Stop: 28023, Start Num: 61
Candidate Starts for Glotell_44:
(Start: 13 @27328 has 1 MA's), (16, 27367), (21, 27394), (Start: 27 @27448 has 15 MA's), (29, 27460), (35, 27493), (Start: 61 @27556 has 5 MA's), (79, 27631), (106, 27721), (Start: 107 @27727 has 1 MA's), (124, 27748), (131, 27799), (138, 27874), (139, 27877), (154, 27961), (155, 27985), (157, 27994), (159, 28006),

Gene: Goose_79 Start: 46498, Stop: 45863, Start Num: 15
Candidate Starts for Goose_79:
(Start: 15 @46498 has 48 MA's), (Start: 20 @46474 has 9 MA's), (Start: 27 @46417 has 15 MA's), (Start: 71 @46282 has 8 MA's), (129, 46093), (138, 46015), (139, 46012), (144, 45979), (151, 45925),

Gene: Gruunaga_89 Start: 47345, Stop: 46698, Start Num: 15
Candidate Starts for Gruunaga_89:
(Start: 15 @47345 has 48 MA's), (Start: 20 @47321 has 9 MA's), (26, 47267), (Start: 27 @47264 has 15 MA's), (Start: 31 @47246 has 6 MA's), (Start: 33 @47234 has 4 MA's), (128, 46940), (138, 46859), (139, 46856), (151, 46763), (152, 46760),

Gene: HamSlice_74 Start: 46747, Stop: 46163, Start Num: 41
Candidate Starts for HamSlice_74:
(Start: 15 @46897 has 48 MA's), (26, 46819), (Start: 31 @46798 has 6 MA's), (Start: 40 @46750 has 28 MA's), (Start: 41 @46747 has 90 MA's), (84, 46642), (96, 46570), (99, 46552), (115, 46486), (133, 46381), (138, 46321), (139, 46318), (150, 46231), (153, 46210),

Gene: Hammer_90 Start: 46941, Stop: 46405, Start Num: 33
Candidate Starts for Hammer_90:
(Start: 15 @47052 has 48 MA's), (Start: 20 @47028 has 9 MA's), (26, 46974), (Start: 27 @46971 has 15 MA's), (Start: 33 @46941 has 4 MA's), (128, 46647), (138, 46566), (139, 46563), (151, 46470), (152, 46467),

Gene: Hanray_84 Start: 46952, Stop: 46329, Start Num: 20
Candidate Starts for Hanray_84:
(Start: 15 @46976 has 48 MA's), (Start: 20 @46952 has 9 MA's), (Start: 27 @46895 has 15 MA's), (Start: 36 @46844 has 21 MA's), (119, 46637), (124, 46616), (129, 46568), (138, 46490), (139, 46487), (150, 46400),

Gene: Hans_7 Start: 4390, Stop: 4869, Start Num: 48
Candidate Starts for Hans_7:

(Start: 48 @4390 has 1 MA's), (80, 4486), (103, 4564), (123, 4591), (138, 4723), (139, 4726), (140, 4729), (153, 4807), (156, 4837),

Gene: Happiness_77 Start: 46771, Stop: 46187, Start Num: 41
Candidate Starts for Happiness_77:
(Start: 15 @46921 has 48 MA's), (26, 46843), (Start: 31 @46822 has 6 MA's), (Start: 40 @46774 has 28 MA's), (Start: 41 @46771 has 90 MA's), (84, 46666), (96, 46594), (99, 46576), (115, 46510), (133, 46405), (138, 46345), (139, 46342), (150, 46255), (153, 46234),

Gene: Heather_36 Start: 27272, Stop: 27856, Start Num: 69
Candidate Starts for Heather_36:
(14, 26909), (32, 27035), (34, 27047), (Start: 36 @27062 has 21 MA's), (38, 27071), (56, 27200), (Start: 69 @27272 has 7 MA's), (111, 27518), (116, 27545), (139, 27704), (141, 27710), (142, 27725), (153, 27782), (157, 27818), (159, 27830),

Gene: Helmet_92 Start: 47580, Stop: 47029, Start Num: 31
Candidate Starts for Helmet_92:
(Start: 15 @47679 has 48 MA's), (Start: 20 @47655 has 9 MA's), (26, 47601), (Start: 27 @47598 has 15 MA's), (Start: 31 @47580 has 6 MA's), (128, 47274), (138, 47193), (139, 47190), (142, 47169), (151, 47094), (152, 47091),

Gene: Hexamo_89 Start: 47220, Stop: 46573, Start Num: 15
Candidate Starts for Hexamo_89:
(Start: 15 @47220 has 48 MA's), (Start: 20 @47196 has 9 MA's), (26, 47142), (Start: 27 @47139 has 15 MA's), (Start: 33 @47109 has 4 MA's), (128, 46815), (138, 46734), (139, 46731), (151, 46638), (152, 46635),

Gene: Holex_84 Start: 46860, Stop: 46345, Start Num: 36
Candidate Starts for Holex_84:
(Start: 15 @46992 has 48 MA's), (Start: 20 @46968 has 9 MA's), (Start: 27 @46911 has 15 MA's), (Start: 36 @46860 has 21 MA's), (119, 46653), (124, 46632), (129, 46584), (138, 46506), (139, 46503), (150, 46416),

Gene: Holli_77 Start: 46541, Stop: 45954, Start Num: 40
Candidate Starts for Holli_77:
(Start: 15 @46688 has 48 MA's), (26, 46610), (Start: 31 @46589 has 6 MA's), (Start: 40 @46541 has 28 MA's), (Start: 41 @46538 has 90 MA's), (84, 46433), (96, 46361), (99, 46343), (115, 46277), (138, 46112), (139, 46109), (150, 46022), (153, 46001),

Gene: Hoot_83 Start: 45056, Stop: 44406, Start Num: 15
Candidate Starts for Hoot_83:
(Start: 15 @45056 has 48 MA's), (Start: 20 @45032 has 9 MA's), (26, 44978), (Start: 27 @44975 has 15 MA's), (Start: 31 @44957 has 6 MA's), (119, 44717), (125, 44693), (129, 44648), (138, 44570), (139, 44567), (142, 44546), (151, 44471), (152, 44468),

Gene: HortumSL17_85 Start: 46898, Stop: 46383, Start Num: 36
Candidate Starts for HortumSL17_85:
(Start: 15 @47030 has 48 MA's), (Start: 20 @47006 has 9 MA's), (Start: 27 @46949 has 15 MA's), (Start: 36 @46898 has 21 MA's), (119, 46691), (124, 46670), (129, 46622), (138, 46544), (139, 46541), (150, 46454),

Gene: Houdini22_77 Start: 46749, Stop: 46165, Start Num: 41
Candidate Starts for Houdini22_77:

(Start: 15 @46899 has 48 MA's), (26, 46821), (Start: 31 @46800 has 6 MA's), (Start: 40 @46752 has 28 MA's), (Start: 41 @46749 has 90 MA's), (84, 46644), (96, 46572), (99, 46554), (115, 46488), (133, 46383), (138, 46323), (139, 46320), (150, 46233), (153, 46212),

Gene: Huxley_70 Start: 44641, Stop: 44057, Start Num: 41
Candidate Starts for Huxley_70:
(Start: 15 @44791 has 48 MA's), (26, 44713), (Start: 31 @44692 has 6 MA's), (Start: 40 @44644 has 28 MA's), (Start: 41 @44641 has 90 MA's), (84, 44536), (96, 44464), (99, 44446), (115, 44380), (133, 44275), (138, 44215), (139, 44212), (150, 44125), (153, 44104),

Gene: ICleared_77 Start: 46816, Stop: 46232, Start Num: 41
Candidate Starts for ICleared_77:
(Start: 15 @46966 has 48 MA's), (26, 46888), (Start: 31 @46867 has 6 MA's), (Start: 40 @46819 has 28 MA's), (Start: 41 @46816 has 90 MA's), (84, 46711), (96, 46639), (99, 46621), (115, 46555), (133, 46450), (138, 46390), (139, 46387), (150, 46300), (153, 46279),

Gene: Iceman_76 Start: 47038, Stop: 46454, Start Num: 41
Candidate Starts for Iceman_76:
(Start: 15 @47188 has 48 MA's), (26, 47110), (Start: 31 @47089 has 6 MA's), (Start: 40 @47041 has 28 MA's), (Start: 41 @47038 has 90 MA's), (84, 46933), (96, 46861), (99, 46843), (115, 46777), (133, 46672), (138, 46612), (139, 46609), (150, 46522), (153, 46501),

Gene: Idergollasper_5 Start: 1765, Stop: 1196, Start Num: 64
Candidate Starts for Idergollasper_5:
(Start: 64 @1765 has 27 MA's), (89, 1648), (Start: 92 @1633 has 1 MA's), (Start: 100 @1582 has 1 MA's), (Start: 101 @1579 has 3 MA's), (119, 1465), (122, 1456), (126, 1432), (138, 1327), (139, 1324), (146, 1288), (153, 1249), (157, 1213),

Gene: Imara_5 Start: 1850, Stop: 1287, Start Num: 64
Candidate Starts for Imara_5:
(Start: 64 @1850 has 27 MA's), (89, 1733), (Start: 92 @1718 has 1 MA's), (Start: 100 @1667 has 1 MA's), (Start: 101 @1664 has 3 MA's), (119, 1556), (122, 1547), (138, 1418), (139, 1415), (146, 1379), (153, 1340), (157, 1304),

Gene: Imbriano_89 Start: 48044, Stop: 47394, Start Num: 15
Candidate Starts for Imbriano_89:
(Start: 15 @48044 has 48 MA's), (Start: 20 @48020 has 9 MA's), (26, 47966), (Start: 27 @47963 has 15 MA's), (Start: 31 @47945 has 6 MA's), (119, 47705), (125, 47681), (129, 47636), (138, 47558), (139, 47555), (142, 47534), (151, 47459), (152, 47456),

Gene: Inventum_69 Start: 45166, Stop: 45558, Start Num: 77
Candidate Starts for Inventum_69:
(Start: 13 @44821 has 1 MA's), (Start: 18 @44878 has 1 MA's), (24, 44902), (25, 44920), (26, 44935), (Start: 31 @44956 has 6 MA's), (Start: 36 @44989 has 21 MA's), (Start: 41 @45007 has 90 MA's), (Start: 77 @45166 has 6 MA's), (130, 45328), (138, 45406), (139, 45409), (142, 45430), (145, 45439), (150, 45466), (160, 45547),

Gene: Iracema64_78 Start: 47012, Stop: 46428, Start Num: 41
Candidate Starts for Iracema64_78:
(Start: 15 @47162 has 48 MA's), (26, 47084), (Start: 31 @47063 has 6 MA's), (Start: 40 @47015 has 28 MA's), (Start: 41 @47012 has 90 MA's), (84, 46907), (96, 46835), (99, 46817), (115, 46751), (138, 46586), (139, 46583), (150, 46496), (153, 46475),

Gene: Isiphiwo_84 Start: 46767, Stop: 46117, Start Num: 15
Candidate Starts for Isiphiwo_84:
(Start: 15 @46767 has 48 MA's), (Start: 20 @46743 has 9 MA's), (26, 46689), (Start: 27 @46686 has 15 MA's), (Start: 31 @46668 has 6 MA's), (119, 46428), (125, 46404), (129, 46359), (138, 46281), (139, 46278), (142, 46257), (151, 46182), (152, 46179),

Gene: JangDynasty_5 Start: 1854, Stop: 1291, Start Num: 64
Candidate Starts for JangDynasty_5:
(Start: 64 @1854 has 27 MA's), (89, 1737), (Start: 92 @1722 has 1 MA's), (Start: 100 @1671 has 1 MA's), (Start: 101 @1668 has 3 MA's), (119, 1560), (122, 1551), (126, 1527), (138, 1422), (139, 1419), (153, 1344), (157, 1308),

Gene: Jaykayelowell_75 Start: 46891, Stop: 46157, Start Num: 15
Candidate Starts for Jaykayelowell_75:
(Start: 15 @46891 has 48 MA's), (26, 46813), (Start: 31 @46792 has 6 MA's), (Start: 40 @46744 has 28 MA's), (Start: 41 @46741 has 90 MA's), (84, 46636), (96, 46564), (99, 46546), (115, 46480), (138, 46315), (139, 46312), (150, 46225), (153, 46204),

Gene: JetBlade_79 Start: 46779, Stop: 46192, Start Num: 40
Candidate Starts for JetBlade_79:
(Start: 15 @46926 has 48 MA's), (26, 46848), (Start: 31 @46827 has 6 MA's), (Start: 40 @46779 has 28 MA's), (Start: 41 @46776 has 90 MA's), (84, 46671), (96, 46599), (99, 46581), (115, 46515), (138, 46350), (139, 46347), (150, 46260), (153, 46239),

Gene: JewelBug_80 Start: 45535, Stop: 44885, Start Num: 15
Candidate Starts for JewelBug_80:
(Start: 15 @45535 has 48 MA's), (Start: 20 @45511 has 9 MA's), (26, 45457), (Start: 27 @45454 has 15 MA's), (Start: 31 @45436 has 6 MA's), (119, 45196), (125, 45172), (129, 45127), (138, 45049), (139, 45046), (142, 45025), (151, 44950), (152, 44947),

Gene: Jiawan_84 Start: 46876, Stop: 46361, Start Num: 36
Candidate Starts for Jiawan_84:
(Start: 15 @47008 has 48 MA's), (Start: 20 @46984 has 9 MA's), (Start: 27 @46927 has 15 MA's), (Start: 36 @46876 has 21 MA's), (119, 46669), (124, 46648), (129, 46600), (138, 46522), (139, 46519), (150, 46432),

Gene: JoongJeon_77 Start: 46892, Stop: 46158, Start Num: 15
Candidate Starts for JoongJeon_77:
(Start: 15 @46892 has 48 MA's), (26, 46814), (Start: 31 @46793 has 6 MA's), (Start: 40 @46745 has 28 MA's), (Start: 41 @46742 has 90 MA's), (84, 46637), (96, 46565), (99, 46547), (115, 46481), (133, 46376), (138, 46316), (139, 46313), (150, 46226), (153, 46205),

Gene: Jordennis_86 Start: 47439, Stop: 46789, Start Num: 15
Candidate Starts for Jordennis_86:
(Start: 15 @47439 has 48 MA's), (Start: 20 @47415 has 9 MA's), (26, 47361), (Start: 27 @47358 has 15 MA's), (Start: 31 @47340 has 6 MA's), (119, 47100), (125, 47076), (129, 47031), (138, 46953), (139, 46950), (142, 46929), (151, 46854), (152, 46851),

Gene: Junimo_74 Start: 46751, Stop: 46164, Start Num: 40
Candidate Starts for Junimo_74:
(Start: 15 @46898 has 48 MA's), (26, 46820), (Start: 31 @46799 has 6 MA's), (Start: 40 @46751 has 28 MA's), (Start: 41 @46748 has 90 MA's), (84, 46643), (96, 46571), (99, 46553), (115, 46487), (138, 46322), (139, 46319), (150, 46232), (153, 46211),

Gene: KFPoly_77 Start: 46892, Stop: 46158, Start Num: 15
Candidate Starts for KFPoly_77:
(Start: 15 @46892 has 48 MA's), (26, 46814), (Start: 31 @46793 has 6 MA's), (Start: 40 @46745 has 28 MA's), (Start: 41 @46742 has 90 MA's), (84, 46637), (96, 46565), (99, 46547), (115, 46481), (133, 46376), (138, 46316), (139, 46313), (150, 46226), (153, 46205),

Gene: KHumphrey_43 Start: 27399, Stop: 27866, Start Num: 61
Candidate Starts for KHumphrey_43:
(Start: 13 @27171 has 1 MA's), (16, 27210), (21, 27237), (Start: 27 @27291 has 15 MA's), (29, 27303), (35, 27336), (Start: 61 @27399 has 5 MA's), (79, 27474), (106, 27564), (Start: 107 @27570 has 1 MA's), (124, 27591), (131, 27642), (138, 27717), (139, 27720), (154, 27804), (155, 27828), (157, 27837), (159, 27849),

Gene: Kampy_77 Start: 46751, Stop: 46167, Start Num: 41
Candidate Starts for Kampy_77:
(Start: 15 @46901 has 48 MA's), (26, 46823), (Start: 31 @46802 has 6 MA's), (Start: 40 @46754 has 28 MA's), (Start: 41 @46751 has 90 MA's), (84, 46646), (96, 46574), (99, 46556), (115, 46490), (138, 46325), (139, 46322), (150, 46235), (153, 46214),

Gene: Katalie136_75 Start: 46530, Stop: 45958, Start Num: 42
Candidate Starts for Katalie136_75:
(Start: 15 @46692 has 48 MA's), (26, 46614), (Start: 31 @46593 has 6 MA's), (Start: 40 @46545 has 28 MA's), (Start: 41 @46542 has 90 MA's), (Start: 42 @46530 has 4 MA's), (84, 46437), (96, 46365), (99, 46347), (115, 46281), (133, 46176), (138, 46116), (139, 46113), (150, 46026), (153, 46005), (157, 45969),

Gene: Kazan_89 Start: 47187, Stop: 46561, Start Num: 20
Candidate Starts for Kazan_89:
(Start: 15 @47211 has 48 MA's), (Start: 20 @47187 has 9 MA's), (26, 47133), (Start: 27 @47130 has 15 MA's), (Start: 31 @47112 has 6 MA's), (119, 46872), (125, 46848), (129, 46803), (138, 46725), (139, 46722), (142, 46701), (151, 46626), (152, 46623),

Gene: KekoraPapaka_75 Start: 46748, Stop: 46164, Start Num: 41
Candidate Starts for KekoraPapaka_75:
(Start: 15 @46898 has 48 MA's), (26, 46820), (Start: 31 @46799 has 6 MA's), (Start: 40 @46751 has 28 MA's), (Start: 41 @46748 has 90 MA's), (84, 46643), (96, 46571), (98, 46565), (99, 46553), (115, 46487), (138, 46322), (139, 46319), (150, 46232), (153, 46211),

Gene: Keziacharles14_81 Start: 47447, Stop: 46881, Start Num: 27
Candidate Starts for Keziacharles14_81:
(Start: 15 @47528 has 48 MA's), (Start: 20 @47504 has 9 MA's), (26, 47450), (Start: 27 @47447 has 15 MA's), (Start: 36 @47396 has 21 MA's), (119, 47189), (124, 47168), (129, 47120), (138, 47042), (139, 47039), (150, 46952),

Gene: KingMidas_70 Start: 45569, Stop: 45961, Start Num: 77
Candidate Starts for KingMidas_70:
(Start: 13 @45224 has 1 MA's), (Start: 18 @45281 has 1 MA's), (24, 45305), (25, 45323), (26, 45338), (Start: 31 @45359 has 6 MA's), (Start: 36 @45392 has 21 MA's), (Start: 41 @45410 has 90 MA's), (Start: 77 @45569 has 6 MA's), (130, 45731), (138, 45809), (139, 45812), (142, 45833), (145, 45842), (150, 45869), (160, 45950),

Gene: KingPhillip3_5 Start: 1765, Stop: 1196, Start Num: 64

Candidate Starts for KingPhillip3_5:
(Start: 64 @1765 has 27 MA's), (89, 1648), (Start: 92 @1633 has 1 MA's), (Start: 100 @1582 has 1 MA's), (Start: 101 @1579 has 3 MA's), (119, 1465), (122, 1456), (126, 1432), (138, 1327), (139, 1324), (146, 1288), (153, 1249), (157, 1213),

Gene: Kingmustik0402_78 Start: 46740, Stop: 46153, Start Num: 40
Candidate Starts for Kingmustik0402_78:
(Start: 15 @46887 has 48 MA's), (26, 46809), (Start: 31 @46788 has 6 MA's), (Start: 40 @46740 has 28 MA's), (Start: 41 @46737 has 90 MA's), (84, 46632), (96, 46560), (99, 46542), (115, 46476), (138, 46311), (139, 46308), (150, 46221), (153, 46200),

Gene: KittenMittens_74 Start: 45854, Stop: 45219, Start Num: 15
Candidate Starts for KittenMittens_74:
(Start: 15 @45854 has 48 MA's), (Start: 20 @45830 has 9 MA's), (Start: 27 @45773 has 15 MA's), (Start: 71 @45638 has 8 MA's), (129, 45449), (138, 45371), (139, 45368), (142, 45347), (144, 45335), (151, 45281),

Gene: Koan_75 Start: 46748, Stop: 46164, Start Num: 41
Candidate Starts for Koan_75:
(Start: 15 @46898 has 48 MA's), (26, 46820), (Start: 31 @46799 has 6 MA's), (Start: 40 @46751 has 28 MA's), (Start: 41 @46748 has 90 MA's), (84, 46643), (96, 46571), (99, 46553), (115, 46487), (133, 46382), (138, 46322), (139, 46319), (150, 46232), (153, 46211),

Gene: Koko_91 Start: 47970, Stop: 47419, Start Num: 31
Candidate Starts for Koko_91:
(Start: 15 @48069 has 48 MA's), (Start: 20 @48045 has 9 MA's), (26, 47991), (Start: 27 @47988 has 15 MA's), (Start: 31 @47970 has 6 MA's), (128, 47664), (138, 47583), (139, 47580), (142, 47559), (151, 47484), (152, 47481),

Gene: Koreni_77 Start: 46432, Stop: 45845, Start Num: 40
Candidate Starts for Koreni_77:
(Start: 15 @46579 has 48 MA's), (26, 46501), (Start: 31 @46480 has 6 MA's), (Start: 40 @46432 has 28 MA's), (Start: 41 @46429 has 90 MA's), (84, 46324), (96, 46252), (99, 46234), (115, 46168), (133, 46063), (138, 46003), (139, 46000), (150, 45913), (153, 45892),

Gene: Kratark_77 Start: 46932, Stop: 46198, Start Num: 15
Candidate Starts for Kratark_77:
(Start: 15 @46932 has 48 MA's), (26, 46854), (Start: 31 @46833 has 6 MA's), (Start: 40 @46785 has 28 MA's), (Start: 41 @46782 has 90 MA's), (84, 46677), (96, 46605), (99, 46587), (104, 46566), (115, 46521), (133, 46416), (138, 46356), (139, 46353), (150, 46266), (153, 46245),

Gene: Kremtemulon_75 Start: 46628, Stop: 46044, Start Num: 41
Candidate Starts for Kremtemulon_75:
(Start: 15 @46778 has 48 MA's), (26, 46700), (Start: 31 @46679 has 6 MA's), (Start: 40 @46631 has 28 MA's), (Start: 41 @46628 has 90 MA's), (84, 46523), (96, 46451), (99, 46433), (115, 46367), (133, 46262), (138, 46202), (139, 46199), (150, 46112), (153, 46091), (157, 46055),

Gene: Krili_5 Start: 1716, Stop: 1147, Start Num: 64
Candidate Starts for Krili_5:
(Start: 64 @1716 has 27 MA's), (89, 1599), (Start: 92 @1584 has 1 MA's), (Start: 100 @1533 has 1 MA's), (Start: 101 @1530 has 3 MA's), (119, 1416), (122, 1407), (126, 1383), (138, 1278), (139, 1275), (146, 1239), (153, 1200), (157, 1164),

Gene: Kristoff_76 Start: 47122, Stop: 46487, Start Num: 15
Candidate Starts for Kristoff_76:
(Start: 15 @47122 has 48 MA's), (Start: 20 @47098 has 9 MA's), (Start: 27 @47041 has 15 MA's), (Start: 36 @46990 has 21 MA's), (Start: 71 @46906 has 8 MA's), (129, 46717), (138, 46639), (139, 46636), (144, 46603), (151, 46549),

Gene: Kyee_78 Start: 46743, Stop: 46159, Start Num: 41
Candidate Starts for Kyee_78:
(Start: 15 @46893 has 48 MA's), (26, 46815), (Start: 31 @46794 has 6 MA's), (Start: 40 @46746 has 28 MA's), (Start: 41 @46743 has 90 MA's), (84, 46638), (96, 46566), (99, 46548), (115, 46482), (133, 46377), (138, 46317), (139, 46314), (150, 46227), (153, 46206),

Gene: LHTSCC_80 Start: 47191, Stop: 46604, Start Num: 40
Candidate Starts for LHTSCC_80:
(Start: 15 @47338 has 48 MA's), (26, 47260), (Start: 31 @47239 has 6 MA's), (Start: 40 @47191 has 28 MA's), (Start: 41 @47188 has 90 MA's), (84, 47083), (96, 47011), (99, 46993), (115, 46927), (133, 46822), (138, 46762), (139, 46759), (150, 46672), (153, 46651),

Gene: LappelDuVide_78 Start: 46748, Stop: 46164, Start Num: 41
Candidate Starts for LappelDuVide_78:
(Start: 15 @46898 has 48 MA's), (26, 46820), (Start: 31 @46799 has 6 MA's), (Start: 40 @46751 has 28 MA's), (Start: 41 @46748 has 90 MA's), (84, 46643), (96, 46571), (99, 46553), (115, 46487), (133, 46382), (138, 46322), (139, 46319), (150, 46232), (153, 46211),

Gene: Lemur_78 Start: 46745, Stop: 46161, Start Num: 41
Candidate Starts for Lemur_78:
(Start: 15 @46895 has 48 MA's), (26, 46817), (Start: 31 @46796 has 6 MA's), (Start: 40 @46748 has 28 MA's), (Start: 41 @46745 has 90 MA's), (84, 46640), (96, 46568), (98, 46562), (99, 46550), (115, 46484), (133, 46379), (138, 46319), (139, 46316), (150, 46229), (153, 46208),

Gene: Lilbooboo_33 Start: 26272, Stop: 26859, Start Num: 69
Candidate Starts for Lilbooboo_33:
(11, 25882), (12, 25885), (19, 25951), (22, 25963), (Start: 36 @26062 has 21 MA's), (56, 26200), (Start: 69 @26272 has 7 MA's), (90, 26374), (95, 26407), (116, 26545), (127, 26602), (132, 26629), (134, 26647), (137, 26671), (139, 26704), (145, 26734), (157, 26818), (159, 26830),

Gene: Lilleskat_84 Start: 46857, Stop: 46342, Start Num: 36
Candidate Starts for Lilleskat_84:
(Start: 15 @46989 has 48 MA's), (Start: 20 @46965 has 9 MA's), (Start: 27 @46908 has 15 MA's), (Start: 36 @46857 has 21 MA's), (119, 46650), (124, 46629), (129, 46581), (138, 46503), (139, 46500), (150, 46413),

Gene: LittleB_78 Start: 46899, Stop: 46165, Start Num: 15
Candidate Starts for LittleB_78:
(Start: 15 @46899 has 48 MA's), (26, 46821), (Start: 31 @46800 has 6 MA's), (Start: 40 @46752 has 28 MA's), (Start: 41 @46749 has 90 MA's), (84, 46644), (96, 46572), (99, 46554), (115, 46488), (133, 46383), (138, 46323), (139, 46320), (150, 46233), (153, 46212),

Gene: LittleGuy_78 Start: 46633, Stop: 46049, Start Num: 41
Candidate Starts for LittleGuy_78:
(Start: 15 @46783 has 48 MA's), (26, 46705), (Start: 31 @46684 has 6 MA's), (Start: 40 @46636 has 28 MA's), (Start: 41 @46633 has 90 MA's), (84, 46528), (96, 46456), (99, 46438), (115, 46372), (133, 46267), (138, 46207), (139, 46204), (150, 46117), (153, 46096),

Gene: LochMonster_79 Start: 46985, Stop: 46401, Start Num: 41
Candidate Starts for LochMonster_79:
(Start: 15 @47135 has 48 MA's), (26, 47057), (Start: 31 @47036 has 6 MA's), (Start: 40 @46988 has 28 MA's), (Start: 41 @46985 has 90 MA's), (84, 46880), (96, 46808), (99, 46790), (115, 46724), (138, 46559), (139, 46556), (150, 46469), (153, 46448),

Gene: LoneWolf_84 Start: 46963, Stop: 46397, Start Num: 27
Candidate Starts for LoneWolf_84:
(Start: 15 @47044 has 48 MA's), (Start: 20 @47020 has 9 MA's), (26, 46966), (Start: 27 @46963 has 15 MA's), (119, 46705), (124, 46684), (138, 46558), (139, 46555), (150, 46468),

Gene: Lorenzo_78 Start: 46746, Stop: 46162, Start Num: 41
Candidate Starts for Lorenzo_78:
(Start: 15 @46896 has 48 MA's), (26, 46818), (Start: 31 @46797 has 6 MA's), (Start: 40 @46749 has 28 MA's), (Start: 41 @46746 has 90 MA's), (84, 46641), (96, 46569), (99, 46551), (115, 46485), (133, 46380), (138, 46320), (139, 46317), (150, 46230), (153, 46209),

Gene: Lucyedi_87 Start: 48804, Stop: 48367, Start Num: 71
Candidate Starts for Lucyedi_87:
(Start: 15 @49023 has 48 MA's), (Start: 20 @48999 has 9 MA's), (26, 48945), (Start: 27 @48942 has 15 MA's), (Start: 71 @48804 has 8 MA's), (119, 48681), (124, 48660), (138, 48534), (143, 48501), (151, 48432), (152, 48429), (155, 48390),

Gene: Lunsford_78 Start: 46741, Stop: 46157, Start Num: 41
Candidate Starts for Lunsford_78:
(Start: 15 @46891 has 48 MA's), (26, 46813), (Start: 31 @46792 has 6 MA's), (Start: 40 @46744 has 28 MA's), (Start: 41 @46741 has 90 MA's), (84, 46636), (96, 46564), (99, 46546), (115, 46480), (138, 46315), (139, 46312), (150, 46225), (153, 46204),

Gene: MadKillah_5 Start: 1716, Stop: 1147, Start Num: 64
Candidate Starts for MadKillah_5:
(Start: 64 @1716 has 27 MA's), (89, 1599), (Start: 92 @1584 has 1 MA's), (Start: 100 @1533 has 1 MA's), (Start: 101 @1530 has 3 MA's), (119, 1416), (122, 1407), (126, 1383), (138, 1278), (139, 1275), (146, 1239), (153, 1200), (157, 1164),

Gene: Maminiaina_83 Start: 46878, Stop: 46300, Start Num: 27
Candidate Starts for Maminiaina_83:
(Start: 15 @46959 has 48 MA's), (Start: 18 @46938 has 1 MA's), (Start: 20 @46935 has 9 MA's), (Start: 27 @46878 has 15 MA's), (Start: 36 @46827 has 21 MA's), (119, 46620), (124, 46599), (138, 46473), (139, 46470), (150, 46383), (153, 46362), (158, 46317),

Gene: Maverick_77 Start: 46745, Stop: 46161, Start Num: 41
Candidate Starts for Maverick_77:
(Start: 15 @46895 has 48 MA's), (26, 46817), (Start: 31 @46796 has 6 MA's), (Start: 40 @46748 has 28 MA's), (Start: 41 @46745 has 90 MA's), (84, 46640), (96, 46568), (99, 46550), (115, 46484), (133, 46379), (138, 46319), (139, 46316), (150, 46229), (153, 46208),

Gene: Maxo_80 Start: 46754, Stop: 46167, Start Num: 40
Candidate Starts for Maxo_80:
(Start: 15 @46901 has 48 MA's), (26, 46823), (Start: 31 @46802 has 6 MA's), (Start: 40 @46754 has 28 MA's), (Start: 41 @46751 has 90 MA's), (84, 46646), (96, 46574), (99, 46556), (115, 46490), (138, 46325), (139, 46322), (150, 46235), (153, 46214),

Gene: Mazhar510_78 Start: 46749, Stop: 46162, Start Num: 40
Candidate Starts for Mazhar510_78:
(Start: 15 @46896 has 48 MA's), (26, 46818), (Start: 31 @46797 has 6 MA's), (Start: 40 @46749 has 28 MA's), (Start: 41 @46746 has 90 MA's), (84, 46641), (96, 46569), (99, 46551), (115, 46485), (133, 46380), (138, 46320), (139, 46317), (150, 46230), (153, 46209),

Gene: Medusa_77 Start: 46761, Stop: 46177, Start Num: 41
Candidate Starts for Medusa_77:
(Start: 15 @46911 has 48 MA's), (26, 46833), (Start: 31 @46812 has 6 MA's), (Start: 40 @46764 has 28 MA's), (Start: 41 @46761 has 90 MA's), (84, 46656), (96, 46584), (99, 46566), (115, 46500), (138, 46335), (139, 46332), (150, 46245), (153, 46224),

Gene: MeeZee_77 Start: 46742, Stop: 46158, Start Num: 41
Candidate Starts for MeeZee_77:
(Start: 15 @46892 has 48 MA's), (26, 46814), (Start: 31 @46793 has 6 MA's), (Start: 40 @46745 has 28 MA's), (Start: 41 @46742 has 90 MA's), (84, 46637), (96, 46565), (99, 46547), (115, 46481), (133, 46376), (138, 46316), (139, 46313), (150, 46226), (153, 46205),

Gene: Melvin_80 Start: 46743, Stop: 46159, Start Num: 41
Candidate Starts for Melvin_80:
(Start: 15 @46893 has 48 MA's), (26, 46815), (Start: 31 @46794 has 6 MA's), (Start: 40 @46746 has 28 MA's), (Start: 41 @46743 has 90 MA's), (84, 46638), (96, 46566), (98, 46560), (99, 46548), (115, 46482), (133, 46377), (138, 46317), (139, 46314), (150, 46227), (153, 46206),

Gene: Millski_77 Start: 46749, Stop: 46165, Start Num: 41
Candidate Starts for Millski_77:
(Start: 15 @46899 has 48 MA's), (26, 46821), (Start: 31 @46800 has 6 MA's), (Start: 40 @46752 has 28 MA's), (Start: 41 @46749 has 90 MA's), (84, 46644), (96, 46572), (99, 46554), (115, 46488), (133, 46383), (138, 46323), (139, 46320), (150, 46233), (153, 46212),

Gene: Miramae_78 Start: 46572, Stop: 45991, Start Num: 41
Candidate Starts for Miramae_78:
(Start: 15 @46722 has 48 MA's), (26, 46644), (Start: 31 @46623 has 6 MA's), (Start: 36 @46590 has 21 MA's), (Start: 41 @46572 has 90 MA's), (72, 46503), (73, 46497), (Start: 81 @46485 has 2 MA's), (115, 46314), (138, 46149), (139, 46146), (150, 46059), (153, 46038), (157, 46002),

Gene: Mori_5 Start: 1716, Stop: 1147, Start Num: 64
Candidate Starts for Mori_5:
(Start: 64 @1716 has 27 MA's), (89, 1599), (Start: 92 @1584 has 1 MA's), (Start: 100 @1533 has 1 MA's), (Start: 101 @1530 has 3 MA's), (119, 1416), (122, 1407), (126, 1383), (138, 1278), (139, 1275), (146, 1239), (153, 1200), (157, 1164),

Gene: Morpher26_75 Start: 46563, Stop: 45979, Start Num: 41
Candidate Starts for Morpher26_75:
(Start: 15 @46713 has 48 MA's), (26, 46635), (Start: 31 @46614 has 6 MA's), (Start: 40 @46566 has 28 MA's), (Start: 41 @46563 has 90 MA's), (Start: 42 @46551 has 4 MA's), (84, 46458), (96, 46386), (99, 46368), (115, 46302), (133, 46197), (138, 46137), (139, 46134), (150, 46047), (153, 46026), (157, 45990),

Gene: Morrow_80 Start: 46788, Stop: 46204, Start Num: 41
Candidate Starts for Morrow_80:

(Start: 15 @46938 has 48 MA's), (26, 46860), (Start: 31 @46839 has 6 MA's), (Start: 40 @46791 has 28 MA's), (Start: 41 @46788 has 90 MA's), (84, 46683), (96, 46611), (99, 46593), (138, 46362), (139, 46359), (150, 46272), (153, 46251),

Gene: Mundrea_77 Start: 46850, Stop: 46224, Start Num: 31
Candidate Starts for Mundrea_77:
(Start: 15 @46949 has 48 MA's), (26, 46871), (Start: 31 @46850 has 6 MA's), (72, 46730), (115, 46547), (120, 46526), (138, 46382), (139, 46379), (150, 46292), (153, 46271),

Gene: Murai_5 Start: 1530, Stop: 1147, Start Num: 101
Candidate Starts for Murai_5:
(Start: 64 @1716 has 27 MA's), (89, 1599), (Start: 92 @1584 has 1 MA's), (Start: 100 @1533 has 1 MA's), (Start: 101 @1530 has 3 MA's), (119, 1416), (122, 1407), (126, 1383), (138, 1278), (139, 1275), (146, 1239), (153, 1200), (157, 1164),

Gene: Myxus_84 Start: 46898, Stop: 46383, Start Num: 36
Candidate Starts for Myxus_84:
(Start: 15 @47030 has 48 MA's), (Start: 20 @47006 has 9 MA's), (Start: 27 @46949 has 15 MA's), (Start: 36 @46898 has 21 MA's), (119, 46691), (124, 46670), (129, 46622), (138, 46544), (139, 46541), (150, 46454),

Gene: Nebs_79 Start: 46788, Stop: 46204, Start Num: 41
Candidate Starts for Nebs_79:
(Start: 15 @46938 has 48 MA's), (26, 46860), (Start: 31 @46839 has 6 MA's), (Start: 40 @46791 has 28 MA's), (Start: 41 @46788 has 90 MA's), (84, 46683), (96, 46611), (99, 46593), (115, 46527), (138, 46362), (139, 46359), (150, 46272), (153, 46251),

Gene: Nemo27_77 Start: 46744, Stop: 46160, Start Num: 41
Candidate Starts for Nemo27_77:
(Start: 15 @46894 has 48 MA's), (26, 46816), (Start: 31 @46795 has 6 MA's), (Start: 40 @46747 has 28 MA's), (Start: 41 @46744 has 90 MA's), (84, 46639), (96, 46567), (99, 46549), (115, 46483), (133, 46378), (138, 46318), (139, 46315), (150, 46228), (153, 46207),

Gene: NiebruSaylor_5 Start: 1716, Stop: 1147, Start Num: 64
Candidate Starts for NiebruSaylor_5:
(Start: 64 @1716 has 27 MA's), (89, 1599), (Start: 92 @1584 has 1 MA's), (Start: 100 @1533 has 1 MA's), (Start: 101 @1530 has 3 MA's), (119, 1416), (122, 1407), (126, 1383), (138, 1278), (139, 1275), (146, 1239), (153, 1200), (157, 1164),

Gene: Noelle_76 Start: 46925, Stop: 46305, Start Num: 15
Candidate Starts for Noelle_76:
(Start: 15 @46925 has 48 MA's), (Start: 20 @46901 has 9 MA's), (Start: 27 @46844 has 15 MA's), (121, 46592), (129, 46529), (138, 46451), (139, 46448), (151, 46367), (153, 46352), (157, 46316),

Gene: NorthStar_75 Start: 46748, Stop: 46164, Start Num: 41
Candidate Starts for NorthStar_75:
(Start: 15 @46898 has 48 MA's), (26, 46820), (Start: 31 @46799 has 6 MA's), (Start: 40 @46751 has 28 MA's), (Start: 41 @46748 has 90 MA's), (84, 46643), (96, 46571), (98, 46565), (99, 46553), (115, 46487), (133, 46382), (138, 46322), (139, 46319), (150, 46232), (153, 46211),

Gene: Northrop_75 Start: 46747, Stop: 46160, Start Num: 40
Candidate Starts for Northrop_75:

(Start: 15 @46894 has 48 MA's), (26, 46816), (Start: 31 @46795 has 6 MA's), (Start: 40 @46747 has 28 MA's), (Start: 41 @46744 has 90 MA's), (84, 46639), (96, 46567), (99, 46549), (115, 46483), (133, 46378), (138, 46318), (139, 46315), (150, 46228), (153, 46207),

Gene: NotAPhaseMom_77 Start: 46749, Stop: 46165, Start Num: 41
Candidate Starts for NotAPhaseMom_77:
(Start: 15 @46899 has 48 MA's), (26, 46821), (Start: 31 @46800 has 6 MA's), (Start: 40 @46752 has 28 MA's), (Start: 41 @46749 has 90 MA's), (84, 46644), (96, 46572), (99, 46554), (115, 46488), (133, 46383), (138, 46323), (139, 46320), (150, 46233), (153, 46212),

Gene: Nyxis_77 Start: 46630, Stop: 46043, Start Num: 40
Candidate Starts for Nyxis_77:
(Start: 15 @46777 has 48 MA's), (26, 46699), (Start: 31 @46678 has 6 MA's), (Start: 40 @46630 has 28 MA's), (Start: 41 @46627 has 90 MA's), (84, 46522), (96, 46450), (99, 46432), (115, 46366), (138, 46201), (139, 46198), (150, 46111), (153, 46090),

Gene: OKCentral2016_77 Start: 45901, Stop: 45290, Start Num: 20
Candidate Starts for OKCentral2016_77:
(Start: 15 @45925 has 48 MA's), (Start: 20 @45901 has 9 MA's), (Start: 27 @45844 has 15 MA's), (Start: 71 @45709 has 8 MA's), (129, 45520), (138, 45442), (139, 45439), (144, 45406), (151, 45352),

Gene: OKaNui_77 Start: 46799, Stop: 46215, Start Num: 41
Candidate Starts for OKaNui_77:
(Start: 15 @46949 has 48 MA's), (26, 46871), (Start: 31 @46850 has 6 MA's), (Start: 40 @46802 has 28 MA's), (Start: 41 @46799 has 90 MA's), (84, 46694), (96, 46622), (99, 46604), (115, 46538), (133, 46433), (138, 46373), (139, 46370), (150, 46283), (153, 46262),

Gene: Obama12_79 Start: 47172, Stop: 46588, Start Num: 41
Candidate Starts for Obama12_79:
(Start: 15 @47322 has 48 MA's), (26, 47244), (Start: 31 @47223 has 6 MA's), (Start: 40 @47175 has 28 MA's), (Start: 41 @47172 has 90 MA's), (84, 47067), (96, 46995), (99, 46977), (115, 46911), (133, 46806), (138, 46746), (139, 46743), (150, 46656), (153, 46635),

Gene: Ohfah_79 Start: 46791, Stop: 46204, Start Num: 40
Candidate Starts for Ohfah_79:
(Start: 15 @46938 has 48 MA's), (26, 46860), (Start: 31 @46839 has 6 MA's), (Start: 40 @46791 has 28 MA's), (Start: 41 @46788 has 90 MA's), (84, 46683), (96, 46611), (99, 46593), (115, 46527), (138, 46362), (139, 46359), (150, 46272), (153, 46251),

Gene: Onglai_83 Start: 45156, Stop: 44533, Start Num: 20
Candidate Starts for Onglai_83:
(Start: 15 @45180 has 48 MA's), (Start: 20 @45156 has 9 MA's), (Start: 27 @45099 has 15 MA's), (Start: 36 @45048 has 21 MA's), (119, 44841), (124, 44820), (129, 44772), (138, 44694), (139, 44691), (150, 44604),

Gene: PackMan_83 Start: 46722, Stop: 46258, Start Num: 58
Candidate Starts for PackMan_83:
(Start: 58 @46722 has 1 MA's), (76, 46662), (119, 46566), (124, 46545), (129, 46497), (138, 46419), (139, 46416), (150, 46329),

Gene: PainterBoy_86 Start: 48515, Stop: 48078, Start Num: 71
Candidate Starts for PainterBoy_86:

(Start: 15 @48734 has 48 MA's), (Start: 20 @48710 has 9 MA's), (26, 48656), (Start: 27 @48653 has 15 MA's), (Start: 71 @48515 has 8 MA's), (119, 48392), (124, 48371), (138, 48245), (143, 48212), (151, 48143), (152, 48140), (155, 48101),

Gene: Palestino_77 Start: 46895, Stop: 46161, Start Num: 15
Candidate Starts for Palestino_77:
(Start: 15 @46895 has 48 MA's), (26, 46817), (Start: 31 @46796 has 6 MA's), (Start: 40 @46748 has 28 MA's), (Start: 41 @46745 has 90 MA's), (84, 46640), (96, 46568), (99, 46550), (115, 46484), (133, 46379), (138, 46319), (139, 46316), (150, 46229), (153, 46208),

Gene: PeaceMeal1_75 Start: 45639, Stop: 45220, Start Num: 71
Candidate Starts for PeaceMeal1_75:
(Start: 15 @45855 has 48 MA's), (Start: 20 @45831 has 9 MA's), (Start: 27 @45774 has 15 MA's), (Start: 71 @45639 has 8 MA's), (129, 45450), (138, 45372), (139, 45369), (142, 45348), (144, 45336), (151, 45282),

Gene: Peaches_76 Start: 46747, Stop: 46163, Start Num: 41
Candidate Starts for Peaches_76:
(Start: 15 @46897 has 48 MA's), (26, 46819), (Start: 31 @46798 has 6 MA's), (Start: 40 @46750 has 28 MA's), (Start: 41 @46747 has 90 MA's), (84, 46642), (96, 46570), (99, 46552), (115, 46486), (133, 46381), (138, 46321), (139, 46318), (150, 46231), (153, 46210),

Gene: Perplexer_75 Start: 46531, Stop: 45959, Start Num: 42
Candidate Starts for Perplexer_75:
(Start: 15 @46693 has 48 MA's), (26, 46615), (Start: 31 @46594 has 6 MA's), (Start: 40 @46546 has 28 MA's), (Start: 41 @46543 has 90 MA's), (Start: 42 @46531 has 4 MA's), (84, 46438), (96, 46366), (99, 46348), (115, 46282), (133, 46177), (138, 46117), (139, 46114), (150, 46027), (153, 46006),

Gene: PeterPeter_78 Start: 46742, Stop: 46158, Start Num: 41
Candidate Starts for PeterPeter_78:
(Start: 15 @46892 has 48 MA's), (26, 46814), (Start: 31 @46793 has 6 MA's), (Start: 40 @46745 has 28 MA's), (Start: 41 @46742 has 90 MA's), (84, 46637), (96, 46565), (99, 46547), (115, 46481), (133, 46376), (138, 46316), (139, 46313), (150, 46226), (153, 46205),

Gene: PetiteSangsue_75 Start: 46546, Stop: 45962, Start Num: 41
Candidate Starts for PetiteSangsue_75:
(Start: 15 @46696 has 48 MA's), (26, 46618), (Start: 31 @46597 has 6 MA's), (Start: 40 @46549 has 28 MA's), (Start: 41 @46546 has 90 MA's), (Start: 42 @46534 has 4 MA's), (84, 46441), (96, 46369), (99, 46351), (115, 46285), (133, 46180), (138, 46120), (139, 46117), (150, 46030), (153, 46009),

Gene: Phacado_78 Start: 46744, Stop: 46160, Start Num: 41
Candidate Starts for Phacado_78:
(Start: 15 @46894 has 48 MA's), (26, 46816), (Start: 31 @46795 has 6 MA's), (Start: 40 @46747 has 28 MA's), (Start: 41 @46744 has 90 MA's), (84, 46639), (96, 46567), (99, 46549), (115, 46483), (133, 46378), (138, 46318), (139, 46315), (150, 46228), (153, 46207),

Gene: Phaeder_84 Start: 46773, Stop: 46258, Start Num: 36
Candidate Starts for Phaeder_84:
(Start: 15 @46905 has 48 MA's), (Start: 20 @46881 has 9 MA's), (Start: 27 @46824 has 15 MA's), (Start: 36 @46773 has 21 MA's), (119, 46566), (124, 46545), (129, 46497), (138, 46419), (139, 46416), (150, 46329),

Gene: Phanphagia_66 Start: 43660, Stop: 44277, Start Num: 18

Candidate Starts for Phanphagia_66:
(Start: 13 @43603 has 1 MA's), (Start: 18 @43660 has 1 MA's), (24, 43684), (26, 43717), (Start: 31 @43738 has 6 MA's), (Start: 36 @43771 has 21 MA's), (Start: 41 @43789 has 90 MA's), (43, 43798), (Start: 77 @43876 has 6 MA's), (138, 44125), (139, 44128), (145, 44158), (150, 44185), (160, 44266),

Gene: Pharaoh_78 Start: 47942, Stop: 47292, Start Num: 15
Candidate Starts for Pharaoh_78:
(Start: 15 @47942 has 48 MA's), (Start: 20 @47918 has 9 MA's), (Start: 27 @47861 has 15 MA's), (119, 47600), (124, 47579), (138, 47456), (139, 47453), (142, 47432), (151, 47360), (152, 47357),

Gene: Phelipe_79 Start: 46788, Stop: 46204, Start Num: 41
Candidate Starts for Phelipe_79:
(Start: 15 @46938 has 48 MA's), (26, 46860), (Start: 31 @46839 has 6 MA's), (Start: 40 @46791 has 28 MA's), (Start: 41 @46788 has 90 MA's), (84, 46683), (96, 46611), (99, 46593), (115, 46527), (138, 46362), (139, 46359), (150, 46272), (153, 46251),

Gene: Phighter1804_78 Start: 46809, Stop: 46225, Start Num: 41
Candidate Starts for Phighter1804_78:
(Start: 15 @46959 has 48 MA's), (26, 46881), (Start: 31 @46860 has 6 MA's), (Start: 40 @46812 has 28 MA's), (Start: 41 @46809 has 90 MA's), (84, 46704), (96, 46632), (99, 46614), (115, 46548), (133, 46443), (138, 46383), (139, 46380), (150, 46293), (153, 46272),

Gene: Phlei_63 Start: 43732, Stop: 43292, Start Num: 41
Candidate Starts for Phlei_63:
(Start: 15 @43876 has 48 MA's), (Start: 20 @43858 has 9 MA's), (26, 43804), (Start: 33 @43771 has 4 MA's), (Start: 41 @43732 has 90 MA's), (124, 43588), (129, 43540), (131, 43534), (138, 43462), (139, 43459), (150, 43378), (151, 43372), (158, 43312),

Gene: Phonnegut_84 Start: 46789, Stop: 46274, Start Num: 36
Candidate Starts for Phonnegut_84:
(Start: 15 @46921 has 48 MA's), (Start: 20 @46897 has 9 MA's), (Start: 27 @46840 has 15 MA's), (Start: 36 @46789 has 21 MA's), (119, 46582), (124, 46561), (129, 46513), (138, 46435), (139, 46432), (150, 46345),

Gene: Phontbonne_78 Start: 46643, Stop: 46059, Start Num: 41
Candidate Starts for Phontbonne_78:
(Start: 15 @46793 has 48 MA's), (26, 46715), (Start: 31 @46694 has 6 MA's), (Start: 40 @46646 has 28 MA's), (Start: 41 @46643 has 90 MA's), (84, 46538), (96, 46466), (99, 46448), (115, 46382), (138, 46217), (139, 46214), (150, 46127), (153, 46106),

Gene: Pioneer_84 Start: 46789, Stop: 46274, Start Num: 36
Candidate Starts for Pioneer_84:
(Start: 15 @46921 has 48 MA's), (Start: 20 @46897 has 9 MA's), (Start: 27 @46840 has 15 MA's), (Start: 36 @46789 has 21 MA's), (119, 46582), (124, 46561), (129, 46513), (138, 46435), (139, 46432), (150, 46345),

Gene: Pipcraft_74 Start: 46749, Stop: 46165, Start Num: 41
Candidate Starts for Pipcraft_74:
(Start: 15 @46899 has 48 MA's), (26, 46821), (Start: 31 @46800 has 6 MA's), (Start: 40 @46752 has 28 MA's), (Start: 41 @46749 has 90 MA's), (84, 46644), (96, 46572), (98, 46566), (99, 46554), (115, 46488), (133, 46383), (138, 46323), (139, 46320), (150, 46233), (153, 46212),

Gene: Polymorphads_79 Start: 46772, Stop: 46185, Start Num: 40

Candidate Starts for Polymorphads_79:
(Start: 15 @46919 has 48 MA's), (26, 46841), (Start: 31 @46820 has 6 MA's), (Start: 40 @46772 has 28 MA's), (Start: 41 @46769 has 90 MA's), (84, 46664), (96, 46592), (99, 46574), (115, 46508), (133, 46403), (138, 46343), (139, 46340), (150, 46253), (153, 46232),

Gene: Polyphemus_81 Start: 45619, Stop: 44969, Start Num: 15
Candidate Starts for Polyphemus_81:
(Start: 15 @45619 has 48 MA's), (Start: 20 @45595 has 9 MA's), (26, 45541), (Start: 27 @45538 has 15 MA's), (Start: 31 @45520 has 6 MA's), (119, 45280), (125, 45256), (129, 45211), (138, 45133), (139, 45130), (142, 45109), (151, 45034), (152, 45031),

Gene: Poompha_75 Start: 45637, Stop: 45218, Start Num: 71
Candidate Starts for Poompha_75:
(Start: 15 @45853 has 48 MA's), (Start: 20 @45829 has 9 MA's), (Start: 27 @45772 has 15 MA's), (Start: 71 @45637 has 8 MA's), (129, 45448), (138, 45370), (139, 45367), (142, 45346), (144, 45334), (151, 45280),

Gene: Priya_82 Start: 46693, Stop: 46046, Start Num: 15
Candidate Starts for Priya_82:
(Start: 15 @46693 has 48 MA's), (Start: 20 @46669 has 9 MA's), (26, 46615), (Start: 27 @46612 has 15 MA's), (Start: 36 @46561 has 21 MA's), (119, 46354), (124, 46333), (129, 46285), (138, 46207), (139, 46204), (150, 46117),

Gene: Pumbaa_78 Start: 46696, Stop: 46109, Start Num: 40
Candidate Starts for Pumbaa_78:
(Start: 15 @46843 has 48 MA's), (26, 46765), (Start: 31 @46744 has 6 MA's), (Start: 40 @46696 has 28 MA's), (Start: 41 @46693 has 90 MA's), (84, 46588), (96, 46516), (99, 46498), (115, 46432), (133, 46327), (138, 46267), (139, 46264), (150, 46177), (153, 46156),

Gene: Qobbit_82 Start: 46523, Stop: 46008, Start Num: 36
Candidate Starts for Qobbit_82:
(Start: 15 @46655 has 48 MA's), (Start: 20 @46631 has 9 MA's), (26, 46577), (Start: 27 @46574 has 15 MA's), (Start: 36 @46523 has 21 MA's), (119, 46316), (124, 46295), (129, 46247), (138, 46169), (139, 46166), (150, 46079),

Gene: Rahalelujah_83 Start: 46456, Stop: 45809, Start Num: 15
Candidate Starts for Rahalelujah_83:
(Start: 15 @46456 has 48 MA's), (Start: 20 @46432 has 9 MA's), (26, 46378), (Start: 27 @46375 has 15 MA's), (119, 46117), (124, 46096), (130, 46045), (134, 46024), (138, 45970), (139, 45967), (150, 45880),

Gene: Rebeuca_79 Start: 46991, Stop: 46488, Start Num: 36
Candidate Starts for Rebeuca_79:
(Start: 15 @47123 has 48 MA's), (Start: 20 @47099 has 9 MA's), (Start: 27 @47042 has 15 MA's), (Start: 36 @46991 has 21 MA's), (Start: 71 @46907 has 8 MA's), (129, 46718), (138, 46640), (139, 46637), (144, 46604), (151, 46550),

Gene: Refuge_81 Start: 48475, Stop: 47903, Start Num: 27
Candidate Starts for Refuge_81:
(Start: 15 @48556 has 48 MA's), (Start: 20 @48532 has 9 MA's), (Start: 27 @48475 has 15 MA's), (Start: 77 @48319 has 6 MA's), (124, 48193), (138, 48067), (139, 48064), (151, 47971), (152, 47968), (155, 47929),

Gene: Relief_77 Start: 46745, Stop: 46161, Start Num: 41
Candidate Starts for Relief_77:
(Start: 15 @46895 has 48 MA's), (26, 46817), (Start: 31 @46796 has 6 MA's), (Start: 40 @46748 has 28 MA's), (Start: 41 @46745 has 90 MA's), (84, 46640), (96, 46568), (99, 46550), (115, 46484), (133, 46379), (138, 46319), (139, 46316), (150, 46229), (153, 46208),

Gene: RemusLoopin_35 Start: 27467, Stop: 28051, Start Num: 69
Candidate Starts for RemusLoopin_35:
(32, 27230), (34, 27242), (Start: 36 @27257 has 21 MA's), (56, 27395), (65, 27449), (Start: 69 @27467 has 7 MA's), (90, 27569), (111, 27713), (116, 27740), (127, 27797), (139, 27899), (142, 27920), (153, 27977), (157, 28013), (159, 28025),

Gene: Renna12_42 Start: 27456, Stop: 27923, Start Num: 61
Candidate Starts for Renna12_42:
(Start: 13 @27228 has 1 MA's), (16, 27267), (21, 27294), (Start: 27 @27348 has 15 MA's), (29, 27360), (35, 27393), (Start: 61 @27456 has 5 MA's), (79, 27531), (106, 27621), (Start: 107 @27627 has 1 MA's), (124, 27648), (131, 27699), (138, 27774), (139, 27777), (154, 27861), (155, 27885), (157, 27894), (159, 27906),

Gene: Rifter_90 Start: 46847, Stop: 46200, Start Num: 15
Candidate Starts for Rifter_90:
(Start: 15 @46847 has 48 MA's), (Start: 20 @46823 has 9 MA's), (26, 46769), (Start: 27 @46766 has 15 MA's), (Start: 33 @46736 has 4 MA's), (128, 46442), (138, 46361), (139, 46358), (151, 46265), (152, 46262),

Gene: RockieBear_78 Start: 46747, Stop: 46163, Start Num: 41
Candidate Starts for RockieBear_78:
(Start: 15 @46897 has 48 MA's), (26, 46819), (Start: 31 @46798 has 6 MA's), (Start: 40 @46750 has 28 MA's), (Start: 41 @46747 has 90 MA's), (84, 46642), (96, 46570), (98, 46564), (99, 46552), (115, 46486), (133, 46381), (138, 46321), (139, 46318), (150, 46231), (153, 46210),

Gene: Rocksand_75 Start: 46747, Stop: 46160, Start Num: 40
Candidate Starts for Rocksand_75:
(Start: 15 @46894 has 48 MA's), (26, 46816), (Start: 31 @46795 has 6 MA's), (Start: 40 @46747 has 28 MA's), (Start: 41 @46744 has 90 MA's), (84, 46639), (96, 46567), (99, 46549), (115, 46483), (133, 46378), (138, 46318), (139, 46315), (150, 46228), (153, 46207),

Gene: Roksolana_90 Start: 47563, Stop: 46916, Start Num: 15
Candidate Starts for Roksolana_90:
(Start: 15 @47563 has 48 MA's), (Start: 20 @47539 has 9 MA's), (26, 47485), (Start: 27 @47482 has 15 MA's), (Start: 33 @47452 has 4 MA's), (128, 47158), (138, 47077), (139, 47074), (151, 46981), (152, 46978),

Gene: Romney_77 Start: 46745, Stop: 46161, Start Num: 41
Candidate Starts for Romney_77:
(Start: 15 @46895 has 48 MA's), (26, 46817), (Start: 31 @46796 has 6 MA's), (Start: 40 @46748 has 28 MA's), (Start: 41 @46745 has 90 MA's), (84, 46640), (96, 46568), (98, 46562), (99, 46550), (115, 46484), (133, 46379), (138, 46319), (139, 46316), (150, 46229), (153, 46208),

Gene: Roosevelt_76 Start: 46750, Stop: 46166, Start Num: 41
Candidate Starts for Roosevelt_76:
(Start: 15 @46900 has 48 MA's), (26, 46822), (Start: 31 @46801 has 6 MA's), (Start: 40 @46753 has 28 MA's), (Start: 41 @46750 has 90 MA's), (84, 46645), (96, 46573), (99, 46555), (115, 46489), (138,

46324), (139, 46321), (150, 46234), (153, 46213),

Gene: Rosa24_74 Start: 46779, Stop: 46192, Start Num: 40
Candidate Starts for Rosa24_74:
(Start: 15 @46926 has 48 MA's), (26, 46848), (Start: 31 @46827 has 6 MA's), (Start: 40 @46779 has 28 MA's), (Start: 41 @46776 has 90 MA's), (84, 46671), (96, 46599), (99, 46581), (115, 46515), (138, 46350), (139, 46347), (150, 46260), (153, 46239),

Gene: Rowdy_80 Start: 46614, Stop: 46195, Start Num: 71
Candidate Starts for Rowdy_80:
(Start: 15 @46830 has 48 MA's), (Start: 20 @46806 has 9 MA's), (Start: 27 @46749 has 15 MA's), (Start: 71 @46614 has 8 MA's), (138, 46347), (139, 46344), (142, 46323), (151, 46257),

Gene: Ruin_78 Start: 46741, Stop: 46157, Start Num: 41
Candidate Starts for Ruin_78:
(Start: 15 @46891 has 48 MA's), (26, 46813), (Start: 31 @46792 has 6 MA's), (Start: 40 @46744 has 28 MA's), (Start: 41 @46741 has 90 MA's), (84, 46636), (96, 46564), (98, 46558), (99, 46546), (115, 46480), (133, 46375), (138, 46315), (139, 46312), (150, 46225), (153, 46204),

Gene: Ryadel_7 Start: 2296, Stop: 1727, Start Num: 64
Candidate Starts for Ryadel_7:
(Start: 64 @2296 has 27 MA's), (89, 2179), (Start: 92 @2164 has 1 MA's), (Start: 100 @2113 has 1 MA's), (Start: 101 @2110 has 3 MA's), (119, 1996), (122, 1987), (126, 1963), (138, 1858), (139, 1855), (146, 1819), (153, 1780), (157, 1744),

Gene: RyeScarlet_84 Start: 46872, Stop: 46249, Start Num: 20
Candidate Starts for RyeScarlet_84:
(Start: 15 @46896 has 48 MA's), (Start: 20 @46872 has 9 MA's), (Start: 27 @46815 has 15 MA's), (Start: 36 @46764 has 21 MA's), (119, 46557), (124, 46536), (129, 46488), (138, 46410), (139, 46407), (150, 46320),

Gene: Sabertooth_78 Start: 46756, Stop: 46169, Start Num: 40
Candidate Starts for Sabertooth_78:
(Start: 15 @46903 has 48 MA's), (26, 46825), (Start: 31 @46804 has 6 MA's), (Start: 40 @46756 has 28 MA's), (Start: 41 @46753 has 90 MA's), (84, 46648), (96, 46576), (99, 46558), (115, 46492), (133, 46387), (138, 46327), (139, 46324), (150, 46237), (153, 46216),

Gene: Sachima_84 Start: 46909, Stop: 46286, Start Num: 20
Candidate Starts for Sachima_84:
(Start: 15 @46933 has 48 MA's), (Start: 20 @46909 has 9 MA's), (Start: 27 @46852 has 15 MA's), (Start: 36 @46801 has 21 MA's), (119, 46594), (124, 46573), (129, 46525), (138, 46447), (139, 46444), (150, 46357),

Gene: Samora_35 Start: 26872, Stop: 27459, Start Num: 69
Candidate Starts for Samora_35:
(19, 26551), (22, 26563), (Start: 36 @26662 has 21 MA's), (56, 26800), (Start: 69 @26872 has 7 MA's), (90, 26974), (110, 27109), (114, 27127), (116, 27145), (133, 27241), (139, 27304), (145, 27334), (157, 27418),

Gene: Sassafras_72 Start: 45165, Stop: 45557, Start Num: 77
Candidate Starts for Sassafras_72:
(Start: 13 @44820 has 1 MA's), (Start: 18 @44877 has 1 MA's), (24, 44901), (25, 44919), (26, 44934), (Start: 31 @44955 has 6 MA's), (Start: 36 @44988 has 21 MA's), (Start: 41 @45006 has 90 MA's),

(Start: 77 @45165 has 6 MA's), (130, 45327), (138, 45405), (139, 45408), (142, 45429), (145, 45438), (150, 45465), (160, 45546),

Gene: Scamp_78 Start: 46750, Stop: 46166, Start Num: 41
Candidate Starts for Scamp_78:
(Start: 15 @46900 has 48 MA's), (26, 46822), (Start: 31 @46801 has 6 MA's), (Start: 40 @46753 has 28 MA's), (Start: 41 @46750 has 90 MA's), (84, 46645), (96, 46573), (99, 46555), (115, 46489), (133, 46384), (138, 46324), (139, 46321), (150, 46234), (153, 46213),

Gene: Scherzo_82 Start: 46821, Stop: 46306, Start Num: 36
Candidate Starts for Scherzo_82:
(Start: 15 @46953 has 48 MA's), (Start: 20 @46929 has 9 MA's), (Start: 27 @46872 has 15 MA's), (Start: 36 @46821 has 21 MA's), (119, 46614), (124, 46593), (129, 46545), (138, 46467), (139, 46464), (150, 46377),

Gene: SchoolBus_5 Start: 1765, Stop: 1196, Start Num: 64
Candidate Starts for SchoolBus_5:
(Start: 64 @1765 has 27 MA's), (89, 1648), (Start: 92 @1633 has 1 MA's), (Start: 100 @1582 has 1 MA's), (Start: 101 @1579 has 3 MA's), (119, 1465), (122, 1456), (126, 1432), (138, 1327), (139, 1324), (146, 1288), (153, 1249), (157, 1213),

Gene: Schuy_5 Start: 1716, Stop: 1147, Start Num: 64
Candidate Starts for Schuy_5:
(Start: 64 @1716 has 27 MA's), (89, 1599), (Start: 92 @1584 has 1 MA's), (Start: 100 @1533 has 1 MA's), (Start: 101 @1530 has 3 MA's), (119, 1416), (122, 1407), (126, 1383), (138, 1278), (139, 1275), (146, 1239), (153, 1200), (157, 1164),

Gene: Scottish_69 Start: 44824, Stop: 45216, Start Num: 77
Candidate Starts for Scottish_69:
(Start: 13 @44479 has 1 MA's), (Start: 18 @44536 has 1 MA's), (24, 44560), (25, 44578), (26, 44593), (Start: 31 @44614 has 6 MA's), (Start: 36 @44647 has 21 MA's), (Start: 41 @44665 has 90 MA's), (Start: 77 @44824 has 6 MA's), (130, 44986), (138, 45064), (139, 45067), (142, 45088), (145, 45097), (150, 45124), (160, 45205),

Gene: Sebastisaurus_35 Start: 27189, Stop: 27773, Start Num: 69
Candidate Starts for Sebastisaurus_35:
(32, 26952), (34, 26964), (Start: 36 @26979 has 21 MA's), (56, 27117), (62, 27153), (Start: 69 @27189 has 7 MA's), (90, 27291), (95, 27324), (111, 27435), (116, 27462), (127, 27519), (128, 27534), (134, 27564), (139, 27621), (142, 27642), (157, 27735), (159, 27747),

Gene: SenorClean_79 Start: 46748, Stop: 46164, Start Num: 41
Candidate Starts for SenorClean_79:
(Start: 15 @46898 has 48 MA's), (26, 46820), (Start: 31 @46799 has 6 MA's), (Start: 40 @46751 has 28 MA's), (Start: 41 @46748 has 90 MA's), (84, 46643), (96, 46571), (99, 46553), (115, 46487), (138, 46322), (139, 46319), (150, 46232), (153, 46211),

Gene: Severus_76 Start: 45637, Stop: 45218, Start Num: 71
Candidate Starts for Severus_76:
(Start: 15 @45853 has 48 MA's), (Start: 20 @45829 has 9 MA's), (Start: 27 @45772 has 15 MA's), (Start: 71 @45637 has 8 MA's), (129, 45448), (138, 45370), (139, 45367), (142, 45346), (144, 45334), (151, 45280),

Gene: Shaka_76 Start: 46746, Stop: 46162, Start Num: 41

Candidate Starts for Shaka_76:
(Start: 15 @46896 has 48 MA's), (26, 46818), (Start: 31 @46797 has 6 MA's), (Start: 40 @46749 has 28 MA's), (Start: 41 @46746 has 90 MA's), (84, 46641), (96, 46569), (99, 46551), (115, 46485), (138, 46320), (139, 46317), (150, 46230), (153, 46209),

Gene: Shapes_80 Start: 46614, Stop: 46195, Start Num: 71
Candidate Starts for Shapes_80:
(Start: 15 @46830 has 48 MA's), (Start: 20 @46806 has 9 MA's), (Start: 27 @46749 has 15 MA's), (Start: 71 @46614 has 8 MA's), (138, 46347), (139, 46344), (142, 46323), (151, 46257),

Gene: SheaKeira_79 Start: 46163, Stop: 45585, Start Num: 27
Candidate Starts for SheaKeira_79:
(Start: 15 @46244 has 48 MA's), (Start: 20 @46220 has 9 MA's), (26, 46166), (Start: 27 @46163 has 15 MA's), (119, 45905), (124, 45884), (129, 45836), (136, 45797), (138, 45758), (139, 45755), (148, 45689), (150, 45668), (153, 45647), (158, 45602),

Gene: SheldonCooper_78 Start: 47186, Stop: 46602, Start Num: 41
Candidate Starts for SheldonCooper_78:
(Start: 15 @47336 has 48 MA's), (26, 47258), (Start: 31 @47237 has 6 MA's), (Start: 40 @47189 has 28 MA's), (Start: 41 @47186 has 90 MA's), (84, 47081), (96, 47009), (99, 46991), (115, 46925), (138, 46760), (139, 46757), (150, 46670), (153, 46649),

Gene: Shida_5 Start: 1765, Stop: 1196, Start Num: 64
Candidate Starts for Shida_5:
(Start: 64 @1765 has 27 MA's), (89, 1648), (Start: 92 @1633 has 1 MA's), (Start: 100 @1582 has 1 MA's), (Start: 101 @1579 has 3 MA's), (119, 1465), (122, 1456), (126, 1432), (138, 1327), (139, 1324), (146, 1288), (153, 1249), (157, 1213),

Gene: ShowerHandel_74 Start: 46069, Stop: 46452, Start Num: 77
Candidate Starts for ShowerHandel_74:
(Start: 13 @45724 has 1 MA's), (Start: 18 @45781 has 1 MA's), (24, 45805), (25, 45823), (26, 45838), (Start: 31 @45859 has 6 MA's), (Start: 36 @45892 has 21 MA's), (Start: 41 @45910 has 90 MA's), (Start: 77 @46069 has 6 MA's), (130, 46231), (138, 46309), (139, 46312), (142, 46333), (145, 46342), (150, 46369), (155, 46417), (160, 46441),

Gene: Shygu2_76 Start: 46692, Stop: 46108, Start Num: 41
Candidate Starts for Shygu2_76:
(Start: 15 @46842 has 48 MA's), (26, 46764), (Start: 31 @46743 has 6 MA's), (Start: 40 @46695 has 28 MA's), (Start: 41 @46692 has 90 MA's), (Start: 42 @46680 has 4 MA's), (84, 46587), (96, 46515), (99, 46497), (115, 46431), (133, 46326), (138, 46266), (139, 46263), (150, 46176), (153, 46155), (157, 46119),

Gene: Skadoosh_75 Start: 46748, Stop: 46161, Start Num: 40
Candidate Starts for Skadoosh_75:
(Start: 15 @46895 has 48 MA's), (26, 46817), (Start: 31 @46796 has 6 MA's), (Start: 40 @46748 has 28 MA's), (Start: 41 @46745 has 90 MA's), (84, 46640), (96, 46568), (99, 46550), (115, 46484), (133, 46379), (138, 46319), (139, 46316), (150, 46229), (153, 46208),

Gene: Skipitt_77 Start: 46745, Stop: 46158, Start Num: 40
Candidate Starts for Skipitt_77:
(Start: 15 @46892 has 48 MA's), (26, 46814), (Start: 31 @46793 has 6 MA's), (Start: 40 @46745 has 28 MA's), (Start: 41 @46742 has 90 MA's), (84, 46637), (96, 46565), (98, 46559), (99, 46547), (115, 46481), (133, 46376), (138, 46316), (139, 46313), (150, 46226), (153, 46205),

Gene: SmellyB_88 Start: 47181, Stop: 46555, Start Num: 20
Candidate Starts for SmellyB_88:
(Start: 15 @47205 has 48 MA's), (Start: 20 @47181 has 9 MA's), (26, 47127), (Start: 27 @47124 has 15 MA's), (Start: 31 @47106 has 6 MA's), (119, 46866), (125, 46842), (129, 46797), (138, 46719), (139, 46716), (142, 46695), (151, 46620), (152, 46617),

Gene: Smooch_6 Start: 2139, Stop: 1576, Start Num: 64
Candidate Starts for Smooch_6:
(Start: 64 @2139 has 27 MA's), (89, 2022), (Start: 92 @2007 has 1 MA's), (Start: 100 @1956 has 1 MA's), (Start: 101 @1953 has 3 MA's), (119, 1845), (122, 1836), (138, 1707), (139, 1704), (153, 1629), (157, 1593),

Gene: Sparxx_79 Start: 46747, Stop: 46160, Start Num: 40
Candidate Starts for Sparxx_79:
(Start: 15 @46894 has 48 MA's), (26, 46816), (Start: 31 @46795 has 6 MA's), (Start: 40 @46747 has 28 MA's), (Start: 41 @46744 has 90 MA's), (84, 46639), (96, 46567), (99, 46549), (115, 46483), (138, 46318), (139, 46315), (150, 46228), (153, 46207),

Gene: Spino_77 Start: 46748, Stop: 46164, Start Num: 41
Candidate Starts for Spino_77:
(Start: 15 @46898 has 48 MA's), (26, 46820), (Start: 31 @46799 has 6 MA's), (Start: 40 @46751 has 28 MA's), (Start: 41 @46748 has 90 MA's), (84, 46643), (96, 46571), (99, 46553), (115, 46487), (138, 46322), (139, 46319), (150, 46232), (153, 46211),

Gene: Spouty_82 Start: 46692, Stop: 46045, Start Num: 15
Candidate Starts for Spouty_82:
(Start: 15 @46692 has 48 MA's), (Start: 20 @46668 has 9 MA's), (26, 46614), (Start: 27 @46611 has 15 MA's), (Start: 36 @46560 has 21 MA's), (119, 46353), (124, 46332), (129, 46284), (138, 46206), (139, 46203), (150, 46116),

Gene: Stasia_75 Start: 46708, Stop: 46121, Start Num: 40
Candidate Starts for Stasia_75:
(Start: 15 @46855 has 48 MA's), (26, 46777), (Start: 31 @46756 has 6 MA's), (Start: 40 @46708 has 28 MA's), (Start: 41 @46705 has 90 MA's), (84, 46600), (96, 46528), (99, 46510), (115, 46444), (138, 46279), (139, 46276), (150, 46189), (153, 46168), (157, 46132),

Gene: SteMason_78 Start: 46745, Stop: 46161, Start Num: 41
Candidate Starts for SteMason_78:
(Start: 15 @46895 has 48 MA's), (26, 46817), (Start: 31 @46796 has 6 MA's), (Start: 40 @46748 has 28 MA's), (Start: 41 @46745 has 90 MA's), (84, 46640), (96, 46568), (98, 46562), (99, 46550), (115, 46484), (133, 46379), (138, 46319), (139, 46316), (150, 46229), (153, 46208),

Gene: Steamy_76 Start: 47037, Stop: 46378, Start Num: 15
Candidate Starts for Steamy_76:
(Start: 15 @47037 has 48 MA's), (Start: 20 @47013 has 9 MA's), (Start: 27 @46956 has 15 MA's), (124, 46674), (138, 46548), (139, 46545), (142, 46524), (151, 46452), (155, 46410),

Gene: Stichling_6 Start: 3233, Stop: 3850, Start Num: 28
Candidate Starts for Stichling_6:
(1, 2405), (2, 2540), (3, 2627), (4, 2690), (5, 2741), (6, 2777), (9, 2933), (17, 3158), (28, 3233), (85, 3452), (138, 3677), (139, 3680), (140, 3683), (153, 3761),

Gene: Stink_78 Start: 46793, Stop: 46299, Start Num: 81
Candidate Starts for Stink_78:
(Start: 15 @47030 has 48 MA's), (26, 46952), (Start: 31 @46931 has 6 MA's), (Start: 36 @46898 has 21 MA's), (Start: 41 @46880 has 90 MA's), (72, 46811), (73, 46805), (Start: 81 @46793 has 2 MA's), (115, 46622), (138, 46457), (139, 46454), (150, 46367), (153, 46346), (157, 46310),

Gene: Sultana_78 Start: 46748, Stop: 46161, Start Num: 40
Candidate Starts for Sultana_78:
(Start: 15 @46895 has 48 MA's), (26, 46817), (Start: 31 @46796 has 6 MA's), (Start: 40 @46748 has 28 MA's), (Start: 41 @46745 has 90 MA's), (84, 46640), (96, 46568), (99, 46550), (115, 46484), (133, 46379), (138, 46319), (139, 46316), (150, 46229), (153, 46208),

Gene: Taquarus_77 Start: 46751, Stop: 46167, Start Num: 41
Candidate Starts for Taquarus_77:
(Start: 15 @46901 has 48 MA's), (26, 46823), (Start: 31 @46802 has 6 MA's), (Start: 40 @46754 has 28 MA's), (Start: 41 @46751 has 90 MA's), (84, 46646), (96, 46574), (99, 46556), (115, 46490), (138, 46325), (139, 46322), (150, 46235), (153, 46214),

Gene: TelAviv_5 Start: 1762, Stop: 1193, Start Num: 64
Candidate Starts for TelAviv_5:
(Start: 64 @1762 has 27 MA's), (89, 1645), (Start: 92 @1630 has 1 MA's), (Start: 100 @1579 has 1 MA's), (Start: 101 @1576 has 3 MA's), (119, 1462), (122, 1453), (126, 1429), (138, 1324), (139, 1321), (146, 1285), (153, 1246), (157, 1210),

Gene: Temprado_91 Start: 47580, Stop: 47029, Start Num: 31
Candidate Starts for Temprado_91:
(Start: 15 @47679 has 48 MA's), (Start: 20 @47655 has 9 MA's), (26, 47601), (Start: 27 @47598 has 15 MA's), (Start: 31 @47580 has 6 MA's), (128, 47274), (138, 47193), (139, 47190), (142, 47169), (151, 47094), (152, 47091),

Gene: Thanksgivukkah_77 Start: 46896, Stop: 46162, Start Num: 15
Candidate Starts for Thanksgivukkah_77:
(Start: 15 @46896 has 48 MA's), (26, 46818), (Start: 31 @46797 has 6 MA's), (Start: 40 @46749 has 28 MA's), (Start: 41 @46746 has 90 MA's), (84, 46641), (96, 46569), (99, 46551), (115, 46485), (133, 46380), (138, 46320), (139, 46317), (150, 46230), (153, 46209),

Gene: TinaFeyge_76 Start: 46893, Stop: 46159, Start Num: 15
Candidate Starts for TinaFeyge_76:
(Start: 15 @46893 has 48 MA's), (26, 46815), (Start: 31 @46794 has 6 MA's), (Start: 40 @46746 has 28 MA's), (Start: 41 @46743 has 90 MA's), (84, 46638), (96, 46566), (99, 46548), (115, 46482), (138, 46317), (139, 46314), (150, 46227), (153, 46206),

Gene: Tinybot_77 Start: 46778, Stop: 46191, Start Num: 40
Candidate Starts for Tinybot_77:
(Start: 15 @46925 has 48 MA's), (26, 46847), (Start: 31 @46826 has 6 MA's), (Start: 40 @46778 has 28 MA's), (Start: 41 @46775 has 90 MA's), (84, 46670), (96, 46598), (99, 46580), (115, 46514), (133, 46409), (138, 46349), (139, 46346), (150, 46259), (153, 46238),

Gene: TiroTheta9_77 Start: 46742, Stop: 46158, Start Num: 41
Candidate Starts for TiroTheta9_77:
(Start: 15 @46892 has 48 MA's), (26, 46814), (Start: 31 @46793 has 6 MA's), (Start: 40 @46745 has 28 MA's), (Start: 41 @46742 has 90 MA's), (84, 46637), (96, 46565), (99, 46547), (115, 46481), (138, 46316), (139, 46313), (150, 46226), (153, 46205),

Gene: Toaka_82 Start: 46732, Stop: 46166, Start Num: 27
Candidate Starts for Toaka_82:
(Start: 15 @46813 has 48 MA's), (Start: 20 @46789 has 9 MA's), (Start: 27 @46732 has 15 MA's), (119, 46474), (124, 46453), (129, 46405), (138, 46327), (139, 46324), (150, 46237),

Gene: ToneTone_87 Start: 47116, Stop: 46580, Start Num: 33
Candidate Starts for ToneTone_87:
(Start: 15 @47227 has 48 MA's), (Start: 20 @47203 has 9 MA's), (26, 47149), (Start: 27 @47146 has 15 MA's), (Start: 33 @47116 has 4 MA's), (128, 46822), (138, 46741), (139, 46738), (151, 46645), (152, 46642),

Gene: TroyPia_79 Start: 46786, Stop: 46199, Start Num: 40
Candidate Starts for TroyPia_79:
(Start: 15 @46933 has 48 MA's), (26, 46855), (Start: 31 @46834 has 6 MA's), (Start: 40 @46786 has 28 MA's), (Start: 41 @46783 has 90 MA's), (84, 46678), (96, 46606), (99, 46588), (115, 46522), (138, 46357), (139, 46354), (150, 46267), (153, 46246),

Gene: Tubs_84 Start: 46773, Stop: 46258, Start Num: 36
Candidate Starts for Tubs_84:
(Start: 15 @46905 has 48 MA's), (Start: 20 @46881 has 9 MA's), (Start: 27 @46824 has 15 MA's), (Start: 36 @46773 has 21 MA's), (119, 46566), (124, 46545), (129, 46497), (138, 46419), (139, 46416), (150, 46329),

Gene: Tucker_90 Start: 47319, Stop: 46783, Start Num: 33
Candidate Starts for Tucker_90:
(Start: 15 @47430 has 48 MA's), (Start: 20 @47406 has 9 MA's), (26, 47352), (Start: 27 @47349 has 15 MA's), (Start: 33 @47319 has 4 MA's), (128, 47025), (138, 46944), (139, 46941), (151, 46848), (152, 46845),

Gene: Twister_78 Start: 46549, Stop: 46046, Start Num: 36
Candidate Starts for Twister_78:
(Start: 15 @46681 has 48 MA's), (Start: 20 @46657 has 9 MA's), (Start: 27 @46600 has 15 MA's), (Start: 36 @46549 has 21 MA's), (Start: 71 @46465 has 8 MA's), (129, 46276), (138, 46198), (139, 46195), (144, 46162), (151, 46108),

Gene: TygerBlood_78 Start: 46751, Stop: 46164, Start Num: 40
Candidate Starts for TygerBlood_78:
(Start: 15 @46898 has 48 MA's), (26, 46820), (Start: 31 @46799 has 6 MA's), (Start: 40 @46751 has 28 MA's), (Start: 41 @46748 has 90 MA's), (84, 46643), (96, 46571), (99, 46553), (115, 46487), (133, 46382), (138, 46322), (139, 46319), (150, 46232), (153, 46211),

Gene: Ulysses_77 Start: 46431, Stop: 45847, Start Num: 41
Candidate Starts for Ulysses_77:
(Start: 15 @46581 has 48 MA's), (26, 46503), (Start: 31 @46482 has 6 MA's), (Start: 40 @46434 has 28 MA's), (Start: 41 @46431 has 90 MA's), (84, 46326), (96, 46254), (99, 46236), (115, 46170), (138, 46005), (139, 46002), (150, 45915), (153, 45894),

Gene: Upyo_53 Start: 39312, Stop: 38611, Start Num: 52
Candidate Starts for Upyo_53:
(7, 39840), (8, 39783), (10, 39687), (Start: 18 @39534 has 1 MA's), (25, 39492), (26, 39477), (30, 39459), (Start: 36 @39423 has 21 MA's), (Start: 46 @39381 has 2 MA's), (Start: 52 @39312 has 1 MA's), (55, 39306), (59, 39270), (72, 39198), (87, 39132), (113, 38925), (118, 38898), (121, 38889),

(135, 38799), (138, 38748), (139, 38745), (153, 38667), (155, 38640),

Gene: Vagabond_5 Start: 1719, Stop: 1288, Start Num: 92
Candidate Starts for Vagabond_5:
(Start: 64 @1851 has 27 MA's), (89, 1734), (Start: 92 @1719 has 1 MA's), (Start: 100 @1668 has 1 MA's), (Start: 101 @1665 has 3 MA's), (119, 1557), (122, 1548), (138, 1419), (139, 1416), (146, 1380), (153, 1341), (157, 1305),

Gene: Vanisoa_79 Start: 47062, Stop: 46496, Start Num: 27
Candidate Starts for Vanisoa_79:
(Start: 15 @47143 has 48 MA's), (Start: 20 @47119 has 9 MA's), (26, 47065), (Start: 27 @47062 has 15 MA's), (119, 46804), (124, 46783), (138, 46657), (139, 46654), (150, 46567),

Gene: Vash_33 Start: 26115, Stop: 26702, Start Num: 69
Candidate Starts for Vash_33:
(11, 25725), (14, 25752), (19, 25794), (Start: 36 @25905 has 21 MA's), (56, 26043), (Start: 69 @26115 has 7 MA's), (127, 26445), (134, 26490), (137, 26514), (138, 26544), (139, 26547), (145, 26577), (157, 26661), (159, 26673),

Gene: Vorrps_5 Start: 1716, Stop: 1147, Start Num: 64
Candidate Starts for Vorrps_5:
(Start: 64 @1716 has 27 MA's), (89, 1599), (Start: 92 @1584 has 1 MA's), (Start: 100 @1533 has 1 MA's), (Start: 101 @1530 has 3 MA's), (119, 1416), (122, 1407), (126, 1383), (138, 1278), (139, 1275), (146, 1239), (153, 1200), (157, 1164),

Gene: WalterMcMickey_77 Start: 46600, Stop: 46046, Start Num: 27
Candidate Starts for WalterMcMickey_77:
(Start: 15 @46681 has 48 MA's), (Start: 20 @46657 has 9 MA's), (Start: 27 @46600 has 15 MA's), (Start: 36 @46549 has 21 MA's), (Start: 71 @46465 has 8 MA's), (129, 46276), (138, 46198), (139, 46195), (144, 46162), (151, 46108),

Gene: Wander_78 Start: 46742, Stop: 46158, Start Num: 41
Candidate Starts for Wander_78:
(Start: 15 @46892 has 48 MA's), (26, 46814), (Start: 31 @46793 has 6 MA's), (Start: 40 @46745 has 28 MA's), (Start: 41 @46742 has 90 MA's), (84, 46637), (96, 46565), (99, 46547), (115, 46481), (133, 46376), (138, 46316), (139, 46313), (150, 46226), (153, 46205),

Gene: Wiks_89 Start: 47310, Stop: 46660, Start Num: 15
Candidate Starts for Wiks_89:
(Start: 15 @47310 has 48 MA's), (Start: 20 @47286 has 9 MA's), (26, 47232), (Start: 27 @47229 has 15 MA's), (Start: 31 @47211 has 6 MA's), (128, 46905), (138, 46824), (139, 46821), (142, 46800), (151, 46725), (152, 46722),

Gene: Wilbur_78 Start: 46745, Stop: 46161, Start Num: 41
Candidate Starts for Wilbur_78:
(Start: 15 @46895 has 48 MA's), (26, 46817), (Start: 31 @46796 has 6 MA's), (Start: 40 @46748 has 28 MA's), (Start: 41 @46745 has 90 MA's), (84, 46640), (96, 46568), (98, 46562), (99, 46550), (115, 46484), (133, 46379), (138, 46319), (139, 46316), (150, 46229), (153, 46208),

Gene: Wildflower_5 Start: 1625, Stop: 1242, Start Num: 101
Candidate Starts for Wildflower_5:
(Start: 64 @1811 has 27 MA's), (89, 1694), (Start: 92 @1679 has 1 MA's), (Start: 100 @1628 has 1 MA's), (Start: 101 @1625 has 3 MA's), (119, 1511), (122, 1502), (138, 1373), (139, 1370), (153, 1295),

(157, 1259),

Gene: Wile_74 Start: 46560, Stop: 45988, Start Num: 42
Candidate Starts for Wile_74:
(Start: 15 @46722 has 48 MA's), (26, 46644), (Start: 31 @46623 has 6 MA's), (Start: 40 @46575 has 28 MA's), (Start: 41 @46572 has 90 MA's), (Start: 42 @46560 has 4 MA's), (84, 46467), (96, 46395), (99, 46377), (115, 46311), (133, 46206), (138, 46146), (139, 46143), (150, 46056), (153, 46035), (157, 45999),

Gene: Winget_5 Start: 1850, Stop: 1287, Start Num: 64
Candidate Starts for Winget_5:
(Start: 64 @1850 has 27 MA's), (89, 1733), (Start: 92 @1718 has 1 MA's), (Start: 100 @1667 has 1 MA's), (Start: 101 @1664 has 3 MA's), (119, 1556), (122, 1547), (138, 1418), (139, 1415), (146, 1379), (153, 1340), (157, 1304),

Gene: Wizard007_75 Start: 46286, Stop: 45714, Start Num: 42
Candidate Starts for Wizard007_75:
(Start: 15 @46448 has 48 MA's), (26, 46370), (Start: 31 @46349 has 6 MA's), (Start: 40 @46301 has 28 MA's), (Start: 41 @46298 has 90 MA's), (Start: 42 @46286 has 4 MA's), (84, 46193), (96, 46121), (99, 46103), (115, 46037), (133, 45932), (138, 45872), (139, 45869), (150, 45782), (153, 45761), (157, 45725),

Gene: Wogge42_5 Start: 1668, Stop: 1291, Start Num: 101
Candidate Starts for Wogge42_5:
(Start: 64 @1854 has 27 MA's), (89, 1737), (Start: 92 @1722 has 1 MA's), (Start: 100 @1671 has 1 MA's), (Start: 101 @1668 has 3 MA's), (119, 1560), (122, 1551), (138, 1422), (139, 1419), (146, 1383), (153, 1344), (157, 1308),

Gene: Xena_74 Start: 46567, Stop: 45983, Start Num: 41
Candidate Starts for Xena_74:
(Start: 15 @46717 has 48 MA's), (26, 46639), (Start: 31 @46618 has 6 MA's), (Start: 40 @46570 has 28 MA's), (Start: 41 @46567 has 90 MA's), (84, 46462), (96, 46390), (99, 46372), (115, 46306), (133, 46201), (138, 46141), (139, 46138), (150, 46051), (153, 46030),

Gene: Yecey3_85 Start: 46628, Stop: 46062, Start Num: 27
Candidate Starts for Yecey3_85:
(Start: 15 @46709 has 48 MA's), (Start: 20 @46685 has 9 MA's), (Start: 27 @46628 has 15 MA's), (124, 46349), (138, 46223), (139, 46220), (157, 46076),

Gene: YoSam321_78 Start: 46746, Stop: 46159, Start Num: 40
Candidate Starts for YoSam321_78:
(Start: 15 @46893 has 48 MA's), (26, 46815), (Start: 31 @46794 has 6 MA's), (Start: 40 @46746 has 28 MA's), (Start: 41 @46743 has 90 MA's), (84, 46638), (96, 46566), (99, 46548), (115, 46482), (138, 46317), (139, 46314), (150, 46227), (153, 46206),

Gene: Yokurt_89 Start: 47211, Stop: 46660, Start Num: 31
Candidate Starts for Yokurt_89:
(Start: 15 @47310 has 48 MA's), (Start: 20 @47286 has 9 MA's), (26, 47232), (Start: 27 @47229 has 15 MA's), (Start: 31 @47211 has 6 MA's), (128, 46905), (138, 46824), (139, 46821), (142, 46800), (151, 46725), (152, 46722),

Gene: YoyoKar_5 Start: 1772, Stop: 1203, Start Num: 64
Candidate Starts for YoyoKar_5:

(Start: 64 @1772 has 27 MA's), (89, 1655), (Start: 92 @1640 has 1 MA's), (Start: 100 @1589 has 1 MA's), (Start: 101 @1586 has 3 MA's), (119, 1472), (122, 1463), (126, 1439), (138, 1334), (139, 1331), (146, 1295), (153, 1256), (157, 1220),

Gene: YungJamal_6 Start: 2139, Stop: 1576, Start Num: 64
Candidate Starts for YungJamal_6:
(Start: 64 @2139 has 27 MA's), (89, 2022), (Start: 92 @2007 has 1 MA's), (Start: 100 @1956 has 1 MA's), (Start: 101 @1953 has 3 MA's), (119, 1845), (122, 1836), (138, 1707), (139, 1704), (153, 1629), (157, 1593),

Gene: Zaka_90 Start: 47310, Stop: 46660, Start Num: 15
Candidate Starts for Zaka_90:
(Start: 15 @47310 has 48 MA's), (Start: 20 @47286 has 9 MA's), (26, 47232), (Start: 27 @47229 has 15 MA's), (Start: 31 @47211 has 6 MA's), (128, 46905), (138, 46824), (139, 46821), (142, 46800), (151, 46725), (152, 46722),

Gene: Zakhe101_6 Start: 2163, Stop: 1594, Start Num: 64
Candidate Starts for Zakhe101_6:
(Start: 64 @2163 has 27 MA's), (89, 2046), (Start: 92 @2031 has 1 MA's), (Start: 100 @1980 has 1 MA's), (Start: 101 @1977 has 3 MA's), (119, 1863), (122, 1854), (138, 1725), (139, 1722), (153, 1647), (157, 1611),

Gene: Zebo_5 Start: 1765, Stop: 1196, Start Num: 64
Candidate Starts for Zebo_5:
(Start: 64 @1765 has 27 MA's), (89, 1648), (Start: 92 @1633 has 1 MA's), (Start: 100 @1582 has 1 MA's), (Start: 101 @1579 has 3 MA's), (119, 1465), (122, 1456), (126, 1432), (138, 1327), (139, 1324), (146, 1288), (153, 1249), (157, 1213),

Gene: Zhuangyuan_45 Start: 27978, Stop: 28547, Start Num: 13
Candidate Starts for Zhuangyuan_45:
(Start: 13 @27978 has 1 MA's), (Start: 18 @28038 has 1 MA's), (21, 28044), (Start: 27 @28098 has 15 MA's), (29, 28110), (35, 28143), (39, 28161), (106, 28263), (Start: 107 @28269 has 1 MA's), (138, 28395), (139, 28398), (154, 28482), (157, 28515),

Gene: Zimmer_80 Start: 47793, Stop: 47140, Start Num: 15
Candidate Starts for Zimmer_80:
(Start: 15 @47793 has 48 MA's), (Start: 20 @47769 has 9 MA's), (Start: 27 @47712 has 15 MA's), (119, 47451), (125, 47427), (138, 47304), (139, 47301), (151, 47208), (152, 47205), (155, 47166),