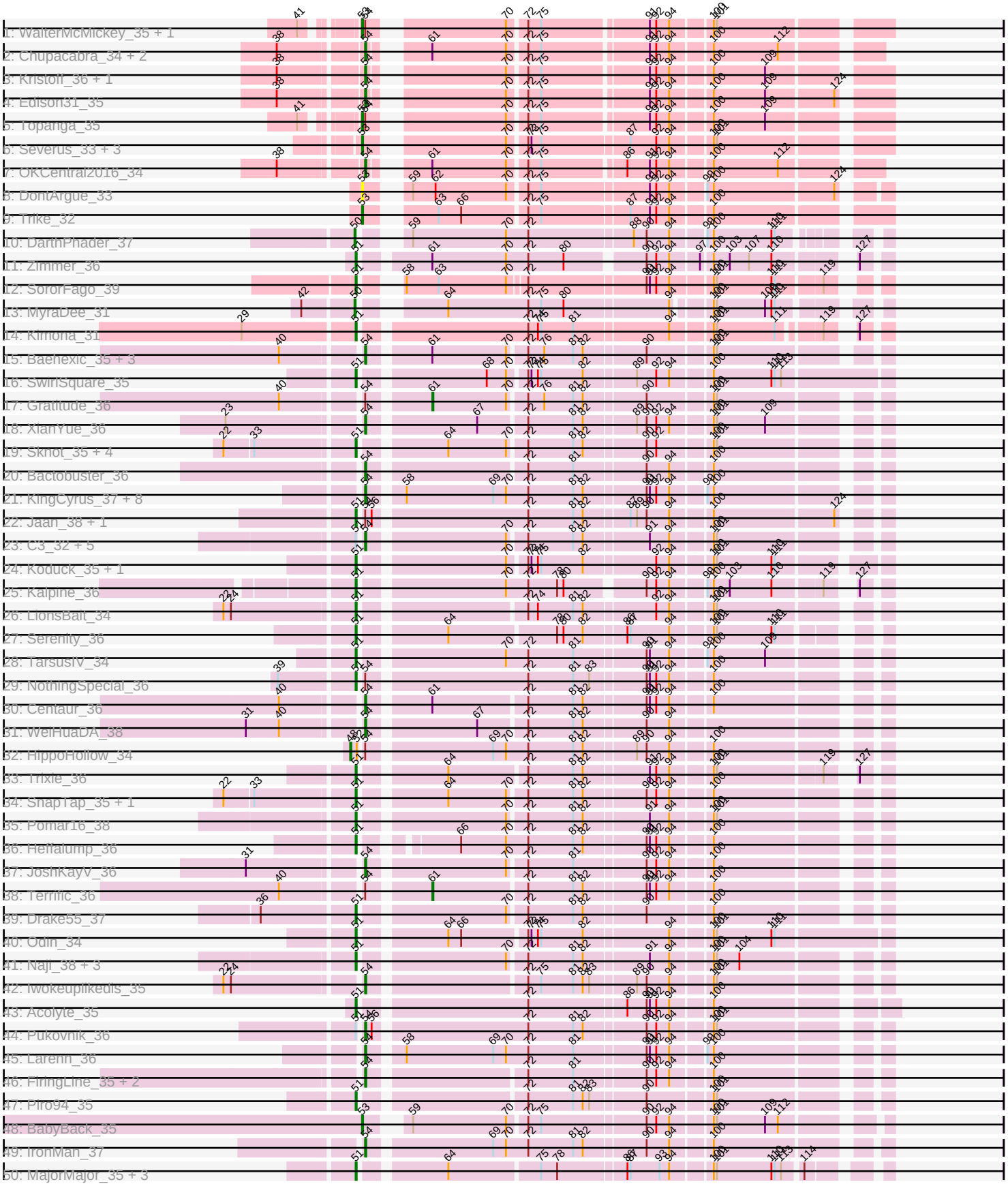
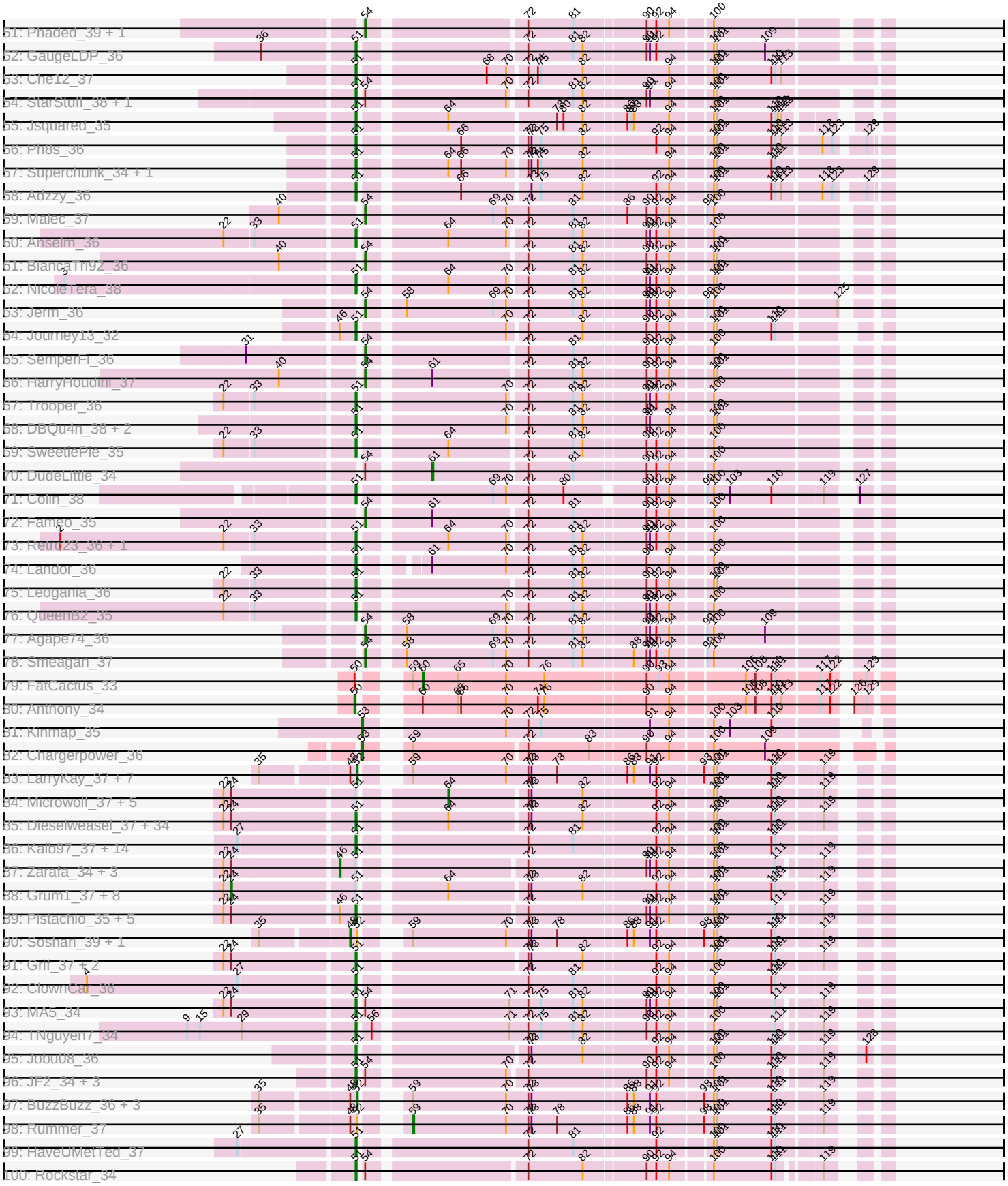
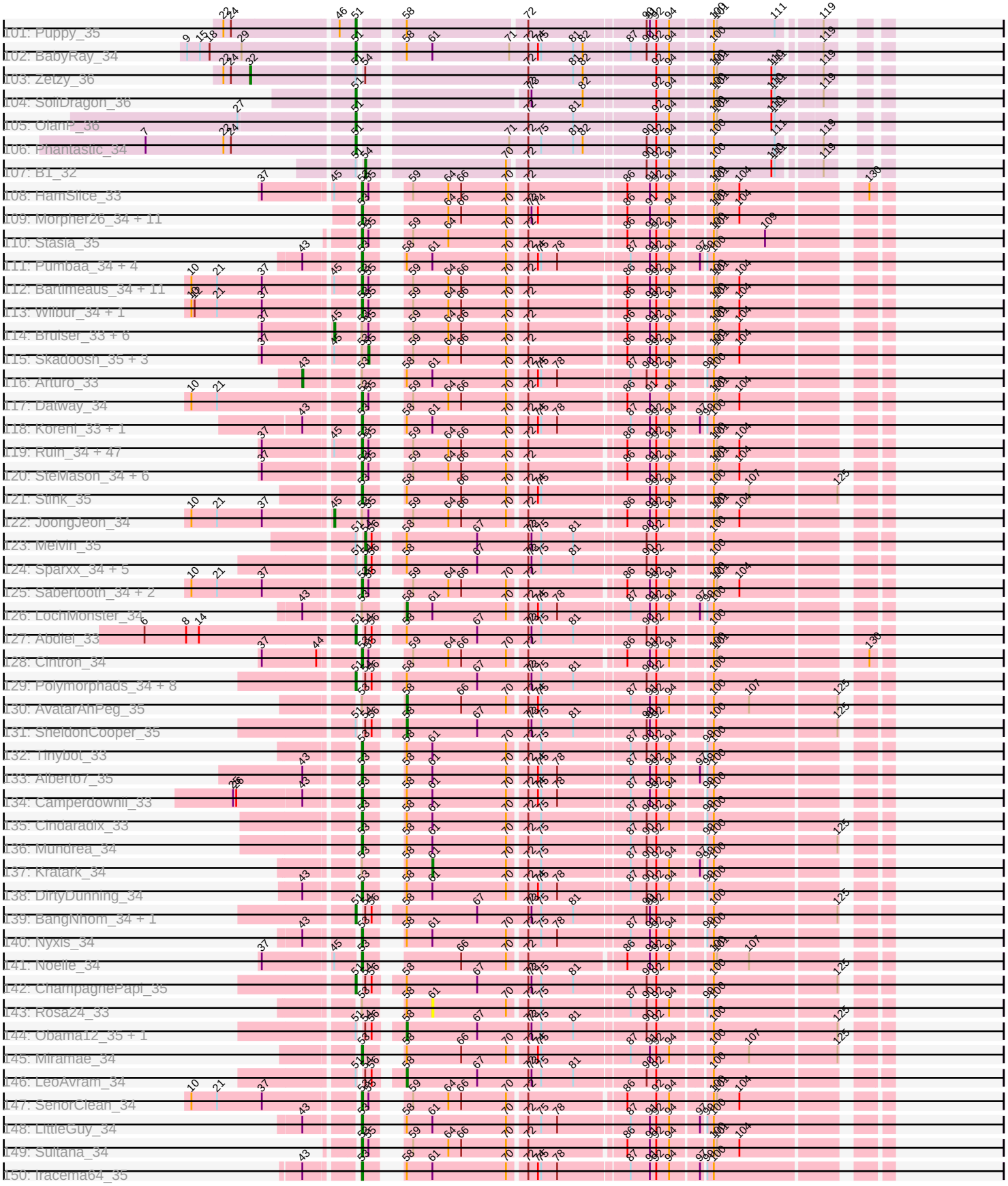
Pham 347084


1: WalterMcMickey_35 + 1
2: Chupacabra_34 + 2
3: Kristoff_36 + 1
4: Edison31_35
5: Topanga_35
6: Severus_33 + 3
7: OKCentral2016_34
8: DontArgue_33
9: Trike_32
10: DarthPhader_37
11: Zimmer_36
12: SororFago_39
13: MyraDee_31
14: Kimona_31
15: Baehexic_35 + 3
16: SwimSquare_35
17: Gratitude_36
18: XianYue_36
19: Sknot_35 + 4
20: Bactobuster_36
21: KingCyrus_37 + 8
22: Jaan_38 + 1
23: C3_32 + 5
24: Koduck_35 + 1
25: Kalpine_36
26: LionsBait_34
27: Serenity_36
28: TarsusIV_34
29: NothingSpecial_36
30: Centaur_36
31: WeiHuaDA_38
32: HippoHollow_34
33: Trixie_36
34: SnapTrap_35 + 1
35: Pomar16_38
36: Hellalump_36
37: JoshKayV_36
38: Terrific_36
39: Drake55_37
40: Odin_34
41: Naji_38 + 3
42: Iwokeuplikedis_35
43: Acolyte_35
44: Pukovnik_36
45: Larenn_36
46: FiringLine_35 + 2
47: Piro94_35
48: BabyBack_35
49: IronMan_37
50: MajorMajor_35 + 3

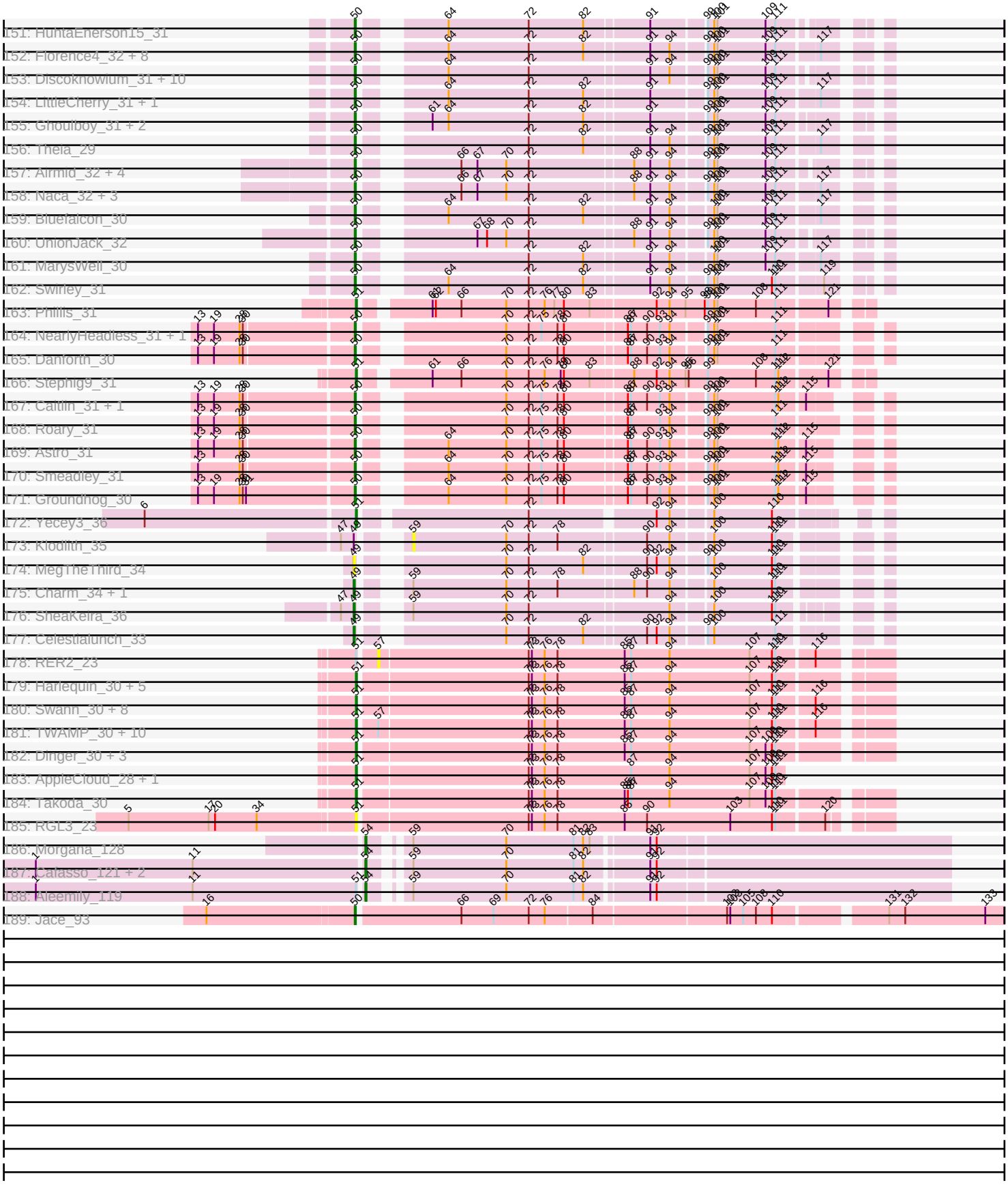
Pham 347084


51: Phaded_39 + 1
52: GaugeLDP_36
53: Che12_37
54: StarStuff_38 + 1
55: Jsquared_35
56: Ph8s_36
57: Superchunk_34 + 1
58: Adzzy_36
59: Malec_37
60: Anselm_36
61: BiancaTh92_36
62: NicoleTera_38
63: Jerm_36
64: Journey13_32
65: SemperFi_36
66: HarryHoudini_37
67: Trooper_36
68: DBQu4n_38 + 2
69: SweetiePie_35
70: DudeLittle_34
71: Colin_38
72: Famgo_35
73: Retrd28_36 + 1
74: Landor_36
75: Leogania_36
76: QueenB2_35
77: Agape74_36
78: Smeagan_37
79: FatCactus_33
80: Anthony_34
81: Kinmap_35
82: Chargerpower_36
83: LarryKay_37 + 7
84: Microwolf_37 + 5
85: Dieselweasel_37 + 34
86: Kalb97_37 + 14
87: Zarafa_34 + 3
88: Grum1_37 + 8
89: Pistachio_35 + 5
90: Soshan_39 + 1
91: Gnf_37 + 2
92: ClownCar_36
93: MA5_34
94: TNguyen7_34
95: Jobu08_36
96: JF2_34 + 3
97: BuzzBuzz_36 + 3
98: Rummer_37
99: HaveUMetTed_37
100: Rockstar_34

Pham 347084


I01: Puppy_35
I02: BabyRay_34
I03: Zetzy_36
I04: SoftDragon_36
I05: OlanP_36
I06: Phantastic_34
I07: B1_32
I08: HamSlice_33
I09: Morpher26_34 + 11
I10: Stasia_35
I11: Pumbaa_34 + 4
I12: Bartimeaus_34 + 11
I13: Wilbur_34 + 1
I14: Bruiser_33 + 6
I15: Skadoosh_35 + 3
I16: Arturo_33
I17: Datway_34
I18: Koreni_33 + 1
I19: Ruin_34 + 47
I20: SteMason_34 + 6
I21: Stink_35
I22: JoongJeon_34
I23: Melvin_35
I24: Sparxx_34 + 5
I25: Sabertooth_34 + 2
I26: LochMonster_34
I27: Abdiel_33
I28: Cintron_34
I29: Polymorphads_34 + 8
I30: AvatarAnPeg_35
I31: SheldonCooper_35
I32: Tinybot_33
I33: Alberto7_35
I34: Camperdownii_33
I35: Cindaradix_33
I36: Mundrea_34
I37: Kratark_34
I38: DirtyDunning_34
I39: BangNhom_34 + 1
I40: Nyxis_34
I41: Noelle_34
I42: ChampagnePapi_35
I43: RosaZ4_33
I44: Obama12_35 + 1
I45: Miramae_34
I46: LeoAvram_34
I47: SeniorClean_34
I48: LittleGuy_34
I49: Sultana_34
I50: Iracema64_35

Pham 347084


151: HuntaEnerson15_31
152: Florence4_32 + 8
153: Discoknowlum_31 + 10
154: LittleCherry_31 + 1
155: Ghouliboy_31 + 2
156: Thela_29
157: Airmid_32 + 4
158: Naca_32 + 3
159: Bluefalcon_30
160: UnionJack_32
161: MarysWell_30
162: Swirley_31
163: Phillis_31
164: NearlyHeadless_31 + 1
165: Danforth_30
166: Stephig9_31
167: Caitlin_31 + 1
168: Roary_31
169: Astro_31
170: Smeadley_31
171: Groundhog_30
172: Yecey3_36
173: Kloolith_35
174: MegTheThird_34
175: Charm_34 + 1
176: SheaKeira_36
177: Celestialunch_33
178: RER2_23
179: Harlequin_30 + 5
180: Swann_30 + 8
181: TWAMP_30 + 10
182: Dinger_30 + 3
183: AppleCloud_28 + 1
184: Takoda_30
185: RGL3_23
186: Morgana_128
187: Calasso_121 + 2
188: Aleemily_119
189: Jace_93

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 347084 Report

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

Pham number 347084 has 485 members, 21 are drafts.

Phages represented in each track:
- Track 1 : WalterMcMickey_35, Twister_35
- Track 2 : Chupacabra_34, Eaglepride_36, Goose_35
- Track 3 : Kristoff_36, Rebeuca_36
- Track 4 : Edison31_35
- Track 5 : Topanga_35
- Track 6 : Severus_33, PeaceMeal1_33, Poompha_33, Drake94_33
- Track 7 : OKCentral2016_34
- Track 8 : DontArgue_33
- Track 9 : Trike_32
- Track 10 : DarthPhader_37
- Track 11 : Zimmer_36
- Track 12 : SororFago_39
- Track 13 : MyraDee_31
- Track 14 : Kimona_31
- Track 15 : Baehexic_35, WideWale_36, Updawg_36, Equemioh13_36
- Track 16 : SwirlSquare_35
- Track 17 : Gratitude_36
- Track 18 : XianYue_36
- Track 19 : Sknot_35, MiculUcigas_35, Bugsy_37, NaSiaTalie_35, Flare16_35
- Track 20 : Bactobuster_36
- Track 21 : KingCyrus_37, Turbido_35, Dignity_36, EvilGenius_37, ChipMunk_37, AbbyPaige_36, Whabigail7_35, Leviathan_36, LilTurb_35
- Track 22 : Jaan_38, Tristan_36
- Track 23 : C3_32, AN9_37, VC3_37, ANI8_37, AN3_34, VA6_34
- Track 24 : Koduck_35, L5_34.1
- Track 25 : Kalpine_36
- Track 26 : LionsBait_34
- Track 27 : Serenity_36
- Track 28 : TarsusIV_34
- Track 29 : NothingSpecial_36
- Track 30 : Centaur_36
- Track 31 : WeiHuaDA_38
- Track 32 : HippoHollow_34
- Track 33 : Trixie_36
- Track 34 : SnapTap_35, Crucio_35
- Track 35 : Pomar16_38
- Track 36 : Heffalump_36

• Track 37 : JoshKayV_36
• Track 38 : Terrific_36
• Track 39 : Drake55_37
• Track 40 : Odin_34
• Track 41 : Naji_38, D29_34.1, Travvers_38, D32_38
• Track 42 : Iwokeuplikedis_35
• Track 43 : Acolyte_35
• Track 44 : Pukovnik_36
• Track 45 : Larenn_36
• Track 46 : FiringLine_35, QueenBeesly_35, Power_34
• Track 47 : Piro94_35
• Track 48 : BabyBack_35
• Track 49 : IronMan_37
• Track 50 : MajorMajor_35, TipsytheTRex_34, Bradman_35, Quokka_34
• Track 51 : Phaded_39, Georgie2_36
• Track 52 : GaugeLDP_36
• Track 53 : Che12_37
• Track 54 : StarStuff_38, Tomathan_38
• Track 55 : Jsquared_35
• Track 56 : Ph8s_36
• Track 57 : Superchunk_34, Caraxes_34
• Track 58 : Adzzy_36
• Track 59 : Malec_37
• Track 60 : Anselm_36
• Track 61 : BiancaTri92_36
• Track 62 : NicoleTera_38
• Track 63 : Jerm_36
• Track 64 : Journey13_32
• Track 65 : SemperFi_36
• Track 66 : HarryHoudini_37
• Track 67 : Trooper_36
• Track 68 : DBQu4n_38, Duplo_38, Kerberos_38
• Track 69 : SweetiePie_35
• Track 70 : DudeLittle_34
• Track 71 : Colin_38
• Track 72 : Fameo_35
• Track 73 : Retro23_36, Dalmatian_36
• Track 74 : Landor_36
• Track 75 : Leogania_36
• Track 76 : QueenB2_35
• Track 77 : Agape74_36
• Track 78 : Smeagan_37
• Track 79 : FatCactus_33
• Track 80 : Anthony_34
• Track 81 : Kinmap_35
• Track 82 : Chargerpower_36
• Track 83 : LarryKay_37, Daishi_36, HashRod_38, Phoxy_37, Bxz2_35, Spike509_37, Methuselah_36, Louie6_37
• Track 84 : Microwolf_37, Montavir_36, Lilith_37, Taurus_37, JenCasNa_37, Croquant_38
• Track 85 : Dieselweasel_37, MuchMore_39, Colbster_37, DaHudson_37, JHC117_37, GtownJaz_37, EpicPhail_37, LBerry_37, Aglet_37, AugsMagnumOpus_39, GingkoMaracino_37, Snickers_37, Mainiac_37,

Pembroke_37, Cullens_37, Stagni_37, Fernando_37, Penny1_37, Watson_37, Lowa_37, Bigflo_37, Malinsilva_39, Wooldri_39, P28Green_37, Phoebe_37, SoYo_37, Grub_37, Beauxregard13_37, StepMih_37, PGHhamlin_39, PotatoSplit_38, Farber_37, Gwennie_37, BreSam8_37, LugYA_39
• Track 86 : Kalb97_37, Reba_37, Manu_37, Groupthink_37, Kalnoky_37, Phranny_37, PurpleHaze_36, JeppNRM_37, Marius_37, Pawn_36, Heliosoles_36, PhishRPhriends_35, Calvinny_36, ACFishhook_36, Gemma_36
• Track 87 : Zarafa_34, Fred313_34, HelDan_34, Idleandcovert_34
• Track 88 : Grum1_37, Vix_37, MarQuardt_37, Tiffany_37, Sabia_37, Anubis_39, MoneyMay_37, Marie_37, Hercules11_37
• Track 89 : Pistachio_35, BlueBird_35, DropBear_34, Kachowdy_34, Giroux_35, Scout_34
• Track 90 : Soshari_39, AgronaGT15_37
• Track 91 : Grif_37, MadMarie_37, Ollie_37
• Track 92 : ClownCar_36
• Track 93 : MA5_34
• Track 94 : TNguyen7_34
• Track 95 : Jobu08_36
• Track 96 : JF2_34, JF4_34, MK4_34, Isca_34
• Track 97 : BuzzBuzz_36, TinyPebbles_37, Misomonster_39, KADY_38
• Track 98 : Rummer_37
• Track 99 : HaveUMetTed_37
• Track 100 : Rockstar_34
• Track 101 : Puppy_35
• Track 102 : BabyRay_34
• Track 103 : Zetzy_36
• Track 104 : SoilDragon_36
• Track 105 : OlanP_36
• Track 106 : Phantastic_34
• Track 107 : B1_32
• Track 108 : HamSlice_33
• Track 109 : Morpher26_34, PetiteSangsue_34, Wile_34, Katalie136_34, AbbysRanger_34, Achebe_33, Perplexer_34, Backyardigan_34, Badger_34, Bumblebee11_34, Xena_34, Cici_34
• Track 110 : Stasia_35
• Track 111 : Pumbaa_34, Phontbonne_34, Ulysses_33, Kremtemulon_34, Phighter1804_34
• Track 112 : Bartimeaus_34, Broseidon_34, Relief_34, CentreCat_34, Druantia_34, Blackmoor_34, Roosevelt_34, Baby16_34, Florean_34, Northrop_34, Rocksand_34, Eros_34
• Track 113 : Wilbur_34, Romney_34
• Track 114 : Bruiser_33, Eris_33, Bombshell_34, Millski_33, BubbleTrouble_34, Funston_34, Clarenza_34
• Track 115 : Skadoosh_35, TiroTheta9_34, KekoraPapaka_34, Jaykayelowell_34
• Track 116 : Arturo_33
• Track 117 : Datway_34
• Track 118 : Koreni_33, ICleared_34
• Track 119 : Ruin_34, TygerBlood_34, Albee_34, RockieBear_34, Junimo_33, Mazhar510_34, OKaNui_35, PeterPeter_34, Wander_34, Lorenzo_34, Eapen_34, Avle17_34, Nemo27_34, LappelDuVide_34, Lemur_34, Caelakin_34, Holli_34, Skipitt_34, Huxley_34, Spino_34, Cocoaberry_34, Taquarus_34, Kyee_34, Happiness_34, Buckaroo_33, Chaph_34, Annyong_34, Iceman_35, Maverick_34, NorthStar_34, Phacado_34, Koan_34, Peaches_34, Deano_34, Shaka_34,

Mayonnaise_34, JetBlade_34, Connomayer_34, Gadost_34, Dhanush_34, Citius_34, Wizard007_34, NotAPhaseMom_34, Lunsford_35, MeeZee_34, Thanksgivukkah_34, Houdini22_34, YoSam321_34
• Track 120 : SteMason_34, Flux_34, LittleB_34, Pipcraft_34, Scamp_34, KFPoly_34, Burger_33
• Track 121 : Stink_35
• Track 122 : JoongJeon_34
• Track 123 : Melvin_35
• Track 124 : Sparxx_34, TroyPia_34, BellusTerra_34, Eagle_33, Medusa_34, Morrow_34
• Track 125 : Sabertooth_34, Shygu2_34, Palestino_33
• Track 126 : LochMonster_34
• Track 127 : Abdiel_33
• Track 128 : Cintron_34
• Track 129 : Polymorphads_34, Phelipe_34, TinaFeyge_34, Maxo_34, Kampy_34, Commander_34, Eurydice_34, Ohfah_34, Nebs_34
• Track 130 : AvatarAhPeg_35
• Track 131 : SheldonCooper_35
• Track 132 : Tinybot_33
• Track 133 : Alberto7_35
• Track 134 : Camperdownii_33
• Track 135 : Cindaradix_33
• Track 136 : Mundrea_34
• Track 137 : Kratark_34
• Track 138 : DirtyDunning_34
• Track 139 : BangNhom_34, Cerulean_35
• Track 140 : Nyxis_34
• Track 141 : Noelle_34
• Track 142 : ChampagnePapi_35
• Track 143 : Rosa24_33
• Track 144 : Obama12_35, LHTSCC_35
• Track 145 : Miramae_34
• Track 146 : LeoAvram_34
• Track 147 : SenorClean_34
• Track 148 : LittleGuy_34
• Track 149 : Sultana_34
• Track 150 : Iracema64_35
• Track 151 : HuhtaEnerson15_31
• Track 152 : Florence4_32, Prinashe11_31, Tarynearal_30, Bonamassa_31, George_30, Florence1_31, Dublin_30, Cuco_31, Milcery_31
• Track 153 : Discoknowium_31, Lev2_31, Micasa_31, Aragog_31, AgentM_31, Conspiracy_31, Jovo_31, Tiger_31, ForGetIt_31, Phlorence_31, PickleBack_31
• Track 154 : LittleCherry_31, Twigg_31
• Track 155 : Ghoulboy_31, Zolita_30, SydNat_31
• Track 156 : Theia_29
• Track 157 : Airmid_32, ElTiger69_32, Archetta_31, Jabiru_32, Benedict_32
• Track 158 : Naca_32, Scorpia_33, PetterN_33, Chadwick_33
• Track 159 : Bluefalcon_30
• Track 160 : UnionJack_32
• Track 161 : MarysWell_30
• Track 162 : Swirley_31
• Track 163 : Phillis_31
• Track 164 : NearlyHeadless_31, Expelliarmus_30

• Track 165 : Danforth_30
• Track 166 : Stephig9_31
• Track 167 : Caitlin_31, Dixon_31
• Track 168 : Roary_31
• Track 169 : Astro_31
• Track 170 : Smeadley_31
• Track 171 : Groundhog_30
• Track 172 : Yecey3_36
• Track 173 : Klodlith_35
• Track 174 : MegTheThird_34
• Track 175 : Charm_34, DreamTeam1_34
• Track 176 : SheaKeira_36
• Track 177 : Celestialunch_33
• Track 178 : RER2_23
• Track 179 : Harlequin_30, Hiro_30, Bryce_30, Yoncess_30, Jester_30, BobbyDazzler_30
• Track 180 : Swann_30, Yogi_30, Bonanza_30, Nancinator_30, RexFury_30, Belenaria_30, Espica_30, UhSalsa_30, Natosaleda_30
• Track 181 : TWAMP_30, Alatin_30, PhailMary_29, Phrankenstein_30, Gollum_30, StCroix_30, Alpacados_29, Erik_30, Bradshaw_30, Naiad_30, Shuman_30
• Track 182 : Dinger_30, Rasputin_30, AngryOrchard_29, Partridge_30
• Track 183 : AppleCloud_28, Krishelle_30
• Track 184 : Takoda_30
• Track 185 : RGL3_23
• Track 186 : Morgana_128
• Track 187 : Cafasso_121, ModicumRichard_121, ObLaDi_120
• Track 188 : Aleemily_119
• Track 189 : Jace_93

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

The start number called the most often in the published annotations is 51, it was called in 177 of the 464 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ACFishhook_36, Abdiel_33, Acolyte_35, Adzzy_36, Aglet_37, Alatin_30, Alpacados_29, AngryOrchard_29, Anselm_36, AppleCloud_28, AugsMagnumOpus_39, BabyRay_34, BangNhom_34, Beauxregard13_37, Belenaria_30, Bigflo_37, BlueBird_35, BobbyDazzler_30, Bonanza_30, Bradman_35, Bradshaw_30, BreSam8_37, Bryce_30, Bugsy_37, Calvinny_36, Caraxes_34, Cerulean_35, ChampagnePapi_35, Che12_37, ClownCar_36, Colbster_37, Colin_38, Commander_34, Crucio_35, Cullens_37, D29_34.1, D32_38, DBQu4n_38, DaHudson_37, Dalmatian_36, Dieselweasel_37, Dinger_30, Drake55_37, DropBear_34, Duplo_38, EpicPhail_37, Erik_30, Espica_30, Eurydice_34, Farber_37, Fernando_37, Flare16_35, GaugeLDP_36, Gemma_36, GingkoMaracino_37, Giroux_35, Gollum_30, Grif_37, Groupthink_37, Grub_37, GtownJaz_37, Gwennie_37, Harlequin_30, HaveUMetTed_37, Heffalump_36, Heliosoles_36, Hiro_30, Isca_34, JF2_34, JF4_34, JHC117_37, Jaan_38, JeppNRM_37, Jester_30, Jobu08_36, Journey13_32, Jsquared_35, Kachowdy_34, Kalb97_37, Kalnoky_37, Kalpine_36, Kampy_34, Kerberos_38, Kimona_31, Koduck_35, Krishelle_30,

L5_34.1, LBerry_37, Landor_36, Leogania_36, LionsBait_34, Lowa_37, LugYA_39, MA5_34, MK4_34, MadMarie_37, Mainiac_37, MajorMajor_35, Malinsilva_39, Manu_37, Marius_37, Maxo_34, MiculUcigas_35, MuchMore_39, NaSiaTalie_35, Naiad_30, Naji_38, Nancinator_30, Natosaleda_30, Nebs_34, NicoleTera_38, NothingSpecial_36, Odin_34, Ohfah_34, OlanP_36, Ollie_37, P28Green_37, PGHhamlin_39, Partridge_30, Pawn_36, Pembroke_37, Penny1_37, Ph8s_36, PhailMary_29, Phantastic_34, Phelipe_34, Phillis_31, PhishRPhriends_35, Phoebe_37, Phrankenstein_30, Phranny_37, Piro94_35, Pistachio_35, Polymorphads_34, Pomar16_38, PotatoSplit_38, Puppy_35, PurpleHaze_36, QueenB2_35, Quokka_34, RGL3_23, Rasputin_30, Reba_37, Retro23_36, RexFury_30, Rockstar_34, Scout_34, Serenity_36, Shuman_30, Sknot_35, SnapTap_35, Snickers_37, SoYo_37, SoilDragon_36, SororFago_39, StCroix_30, Stagni_37, StarStuff_38, StepMih_37, Stephig9_31, Superchunk_34, Swann_30, SweetiePie_35, SwirlSquare_35, TNguyen7_34, TWAMP_30, Takoda_30, TarsusIV_34, TinaFeyge_34, TipsytheTRex_34, Tomathan_38, Travvers_38, Tristan_36, Trixie_36, Trooper_36, UhSalsa_30, Watson_37, Wooldri_39, Yecey3_36, Yogi_30, Yoncess_30, Zimmer_36,

Genes that have the "Most Annotated" start but do not call it:
• AN3_34, AN9_37, ANI8_37, Aleemily_119, Anubis_39, B1_32, BellusTerra_34, C3_32, Croquant_38, Eagle_33, Fred313_34, Grum1_37, HelDan_34, Hercules11_37, Idleandcovert_34, JenCasNa_37, LHTSCC_35, LeoAvram_34, Lilith_37, MarQuardt_37, Marie_37, Medusa_34, Melvin_35, Microwolf_37, MoneyMay_37, Montavir_36, Morrow_34, Obama12_35, Pukovnik_36, RER2_23, Sabia_37, SheldonCooper_35, Sparxx_34, Taurus_37, Tiffany_37, TroyPia_34, VA6_34, VC3_37, Vix_37, Zarafa_34, Zetzy_36,

Genes that do not have the "Most Annotated" start:
• AbbyPaige_36, AbbysRanger_34, Achebe_33, Agape74_36, AgentM_31, AgronaGT15_37, Airmid_32, Albee_34, Alberto7_35, Annyong_34, Anthony_34, Aragog_31, Archetta_31, Arturo_33, Astro_31, AvatarAhPeg_35, Avle17_34, Baby16_34, BabyBack_35, Backyardigan_34, Bactobuster_36, Badger_34, Baehexic_35, Bartimeaus_34, Benedict_32, BiancaTri92_36, Blackmoor_34, Bluefalcon_30, Bombshell_34, Bonamassa_31, Broseidon_34, Bruiser_33, BubbleTrouble_34, Buckaroo_33, Bumblebee11_34, Burger_33, BuzzBuzz_36, Bxz2_35, Caelakin_34, Cafasso_121, Caitlin_31, Camperdownii_33, Celestialunch_33, Centaur_36, CentreCat_34, Chadwick_33, Chaph_34, Chargerpower_36, Charm_34, ChipMunk_37, Chupacabra_34, Cici_34, Cindaradix_33, Cintron_34, Citius_34, Clarenza_34, Cocoaberry_34, Connomayer_34, Conspiracy_31, Cuco_31, Daishi_36, Danforth_30, DarthPhader_37, Datway_34, Deano_34, Dhanush_34, Dignity_36, DirtyDunning_34, Discoknowium_31, Dixon_31, DontArgue_33, Drake94_33, DreamTeam1_34, Druantia_34, Dublin_30, DudeLittle_34, Eaglepride_36, Eapen_34, Edison31_35, ElTiger69_32, Equemioh13_36, Eris_33, Eros_34, EvilGenius_37, Expelliarmus_30, Fameo_35, FatCactus_33, FiringLine_35, Florean_34, Florence1_31, Florence4_32, Flux_34, ForGetIt_31, Funston_34, Gadost_34, George_30, Georgie2_36, Ghoulboy_31, Goose_35, Gratitude_36, Groundhog_30, HamSlice_33, Happiness_34, HarryHoudini_37, HashRod_38, HippoHollow_34, Holli_34, Houdini22_34, HuhtaEnerson15_31, Huxley_34, ICleared_34, Iceman_35, Iracema64_35, IronMan_37, Iwokeuplikedis_35, Jabiru_32, Jace_93, Jaykayelowell_34, Jerm_36, JetBlade_34, JoongJeon_34, JoshKayV_36, Jovo_31, Junimo_33, KADY_38, KFPoly_34, Katalie136_34, KekoraPapaka_34, KingCyrus_37, Kinmap_35, Klodlith_35, Koan_34, Koreni_33, Kratark_34,

Kremtemulon_34, Kristoff_36, Kyee_34, LappelDuVide_34, Larenn_36, LarryKay_37, Lemur_34, Lev2_31, Leviathan_36, LilTurb_35, LittleB_34, LittleCherry_31, LittleGuy_34, LochMonster_34, Lorenzo_34, Louie6_37, Lunsford_35, Malec_37, MarysWell_30, Maverick_34, Mayonnaise_34, Mazhar510_34, MeeZee_34, MegTheThird_34, Methuselah_36, Micasa_31, Milcery_31, Millski_33, Miramae_34, Misomonster_39, ModicumRichard_121, Morgana_128, Morpher26_34, Mundrea_34, MyraDee_31, Naca_32, NearlyHeadless_31, Nemo27_34, Noelle_34, NorthStar_34, Northrop_34, NotAPhaseMom_34, Nyxis_34, OKCentral2016_34, OKaNui_35, ObLaDi_120, Palestino_33, PeaceMeal1_33, Peaches_34, Perplexer_34, PeterPeter_34, PetiteSangsue_34, PetterN_33, Phacado_34, Phaded_39, Phighter1804_34, Phlorence_31, Phontbonne_34, Phoxy_37, PickleBack_31, Pipcraft_34, Poompha_33, Power_34, Prinashe11_31, Pumbaa_34, QueenBeesly_35, Rebeuca_36, Relief_34, Roary_31, RockieBear_34, Rocksand_34, Romney_34, Roosevelt_34, Rosa24_33, Ruin_34, Rummer_37, Sabertooth_34, Scamp_34, Scorpia_33, SemperFi_36, SenorClean_34, Severus_33, Shaka_34, SheaKeira_36, Shygu2_34, Skadoosh_35, Skipitt_34, Smeadley_31, Smeagan_37, Soshari_39, Spike509_37, Spino_34, Stasia_35, SteMason_34, Stink_35, Sultana_34, Swirley_31, SydNat_31, Taquarus_34, Tarynearal_30, Terrific_36, Thanksgivukkah_34, Theia_29, Tiger_31, TinyPebbles_37, Tinybot_33, TiroTheta9_34, Topanga_35, Trike_32, Turbido_35, Twigg_31, Twister_35, TygerBlood_34, Ulysses_33, UnionJack_32, Updawg_36, WalterMcMickey_35, Wander_34, WeiHuaDA_38, Whabigail7_35, WideWale_36, Wilbur_34, Wile_34, Wizard007_34, Xena_34, XianYue_36, YoSam321_34, Zolita_30,

Summary by start number:

Start 24:
• Found in 69 of 485 (14.2%) of genes in pham
• Manual Annotations of this start: 9 of 464
• Called 13.0% of time when present
• Phage (with cluster) where this start called: Anubis_39 (A3), Grum1_37 (A3), Hercules11_37 (A3), MarQuardt_37 (A3), Marie_37 (A3), MoneyMay_37 (A3), Sabia_37 (A3), Tiffany_37 (A3), Vix_37 (A3),

Start 32:
• Found in 1 of 485 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zetzy_36 (A3),

Start 43:
• Found in 15 of 485 (3.1%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 6.7% of time when present
• Phage (with cluster) where this start called: Arturo_33 (A4),

Start 45:
• Found in 74 of 485 (15.3%) of genes in pham
• Manual Annotations of this start: 8 of 464
• Called 10.8% of time when present
• Phage (with cluster) where this start called: Bombshell_34 (A4), Bruiser_33 (A4), BubbleTrouble_34 (A4), Clarenza_34 (A4), Eris_33 (A4), Funston_34 (A4), JoongJeon_34 (A4), Millski_33 (A4),

Start 46:
• Found in 12 of 485 (2.5%) of genes in pham
• Manual Annotations of this start: 3 of 464
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Fred313_34 (A3), HelDan_34 (A3), Idleandcovert_34 (A3), Zarafa_34 (A3),

Start 48:
• Found in 16 of 485 (3.3%) of genes in pham
• Manual Annotations of this start: 3 of 464
• Called 18.8% of time when present
• Phage (with cluster) where this start called: AgronaGT15_37 (A3), HippoHollow_34 (A2), Soshari_39 (A3),

Start 49:
• Found in 6 of 485 (1.2%) of genes in pham
• Manual Annotations of this start: 4 of 464
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Celestialunch_33 (A9), Charm_34 (A9), DreamTeam1_34 (A9), MegTheThird_34 (A9), SheaKeira_36 (A9),

Start 50:
• Found in 54 of 485 (11.1%) of genes in pham
• Manual Annotations of this start: 51 of 464
• Called 98.1% of time when present
• Phage (with cluster) where this start called: AgentM_31 (A5), Airmid_32 (A5), Anthony_34 (A20), Aragog_31 (A5), Archetta_31 (A5), Astro_31 (A8), Benedict_32 (A5), Bluefalcon_30 (A5), Bonamassa_31 (A5), Caitlin_31 (A8), Chadwick_33 (A5), Conspiracy_31 (A5), Cuco_31 (A5), Danforth_30 (A8), DarthPhader_37 (A12), Discoknowium_31 (A5), Dixon_31 (A8), Dublin_30 (A5), ElTiger69_32 (A5), Expelliarmus_30 (A8), Florence1_31 (A5), Florence4_32 (A5), ForGetIt_31 (A5), George_30 (A5), Ghoulboy_31 (A5), Groundhog_30 (A8), HuhtaEnerson15_31 (A5), Jabiru_32 (A5), Jace_93 (singleton), Jovo_31 (A5), Lev2_31 (A5), LittleCherry_31 (A5), MarysWell_30 (A5), Micasa_31 (A5), Milcery_31 (A5), MyraDee_31 (A18), Naca_32 (A5), NearlyHeadless_31 (A8), PetterN_33 (A5), Phlorence_31 (A5), PickleBack_31 (A5), Prinashe11_31 (A5), Roary_31 (A8), Scorpia_33 (A5), Smeadley_31 (A8), Swirley_31 (A5), SydNat_31 (A5), Tarynearal_30 (A5), Theia_29 (A5), Tiger_31 (A5), Twigg_31 (A5), UnionJack_32 (A5), Zolita_30 (A5),

Start 51:
• Found in 223 of 485 (46.0%) of genes in pham
• Manual Annotations of this start: 177 of 464
• Called 81.6% of time when present
• Phage (with cluster) where this start called: ACFishhook_36 (A3), Abdiel_33 (A4), Acolyte_35 (A2), Adzzy_36 (A2), Aglet_37 (A3), Alatin_30 (CA), Alpacados_29 (CA), AngryOrchard_29 (CA), Anselm_36 (A2), AppleCloud_28 (CA), AugsMagnumOpus_39 (A3), BabyRay_34 (A3), BangNhom_34 (A4), Beauxregard13_37 (A3), Belenaria_30 (CA), Bigflo_37 (A3), BlueBird_35 (A3), BobbyDazzler_30 (CA), Bonanza_30 (CA), Bradman_35 (A2), Bradshaw_30 (CA), BreSam8_37 (A3), Bryce_30 (CA), Bugsy_37 (A2), Calvinny_36 (A3), Caraxes_34 (A2), Cerulean_35 (A4), ChampagnePapi_35 (A4), Che12_37 (A2), ClownCar_36 (A3), Colbster_37 (A3), Colin_38 (A2), Commander_34 (A4), Crucio_35 (A2),

Cullens_37 (A3), D29_34.1 (A2), D32_38 (A2), DBQu4n_38 (A2), DaHudson_37 (A3), Dalmatian_36 (A2), Dieselweasel_37 (A3), Dinger_30 (CA), Drake55_37 (A2), DropBear_34 (A3), Duplo_38 (A2), EpicPhail_37 (A3), Erik_30 (CA), Espica_30 (CA), Eurydice_34 (A4), Farber_37 (A3), Fernando_37 (A3), Flare16_35 (A2), GaugeLDP_36 (A2), Gemma_36 (A3), GingkoMaracino_37 (A3), Giroux_35 (A3), Gollum_30 (CA), Grif_37 (A3), Groupthink_37 (A3), Grub_37 (A3), GtownJaz_37 (A3), Gwennie_37 (A3), Harlequin_30 (CA), HaveUMetTed_37 (A3), Heffalump_36 (A2), Heliosoles_36 (A3), Hiro_30 (CA), Isca_34 (A3), JF2_34 (A3), JF4_34 (A3), JHC117_37 (A3), Jaan_38 (A2), JeppNRM_37 (A3), Jester_30 (CA), Jobu08_36 (A3), Journey13_32 (A2), Jsquared_35 (A2), Kachowdy_34 (A3), Kalb97_37 (A3), Kalnoky_37 (A3), Kalpine_36 (A2), Kampy_34 (A4), Kerberos_38 (A2), Kimona_31 (A19), Koduck_35 (A2), Krishelle_30 (CA), L5_34.1 (A2), LBerry_37 (A3), Landor_36 (A2), Leogania_36 (A2), LionsBait_34 (A2), Lowa_37 (A3), LugYA_39 (A3), MA5_34 (A3), MK4_34 (A3), MadMarie_37 (A3), Mainiac_37 (A3), MajorMajor_35 (A2), Malinsilva_39 (A3), Manu_37 (A3), Marius_37 (A3), Maxo_34 (A4), MiculUcigas_35 (A2), MuchMore_39 (A3), NaSiaTalie_35 (A2), Naiad_30 (CA), Naji_38 (A2), Nancinator_30 (CA), Natosaleda_30 (CA), Nebs_34 (A4), NicoleTera_38 (A2), NothingSpecial_36 (A2), Odin_34 (A2), Ohfah_34 (A4), OlanP_36 (A3), Ollie_37 (A3), P28Green_37 (A3), PGHhamlin_39 (A3), Partridge_30 (CA), Pawn_36 (A3), Pembroke_37 (A3), Penny1_37 (A3), Ph8s_36 (A2), PhailMary_29 (CA), Phantastic_34 (A3), Phelipe_34 (A4), Phillis_31 (A8), PhishRPhriends_35 (A3), Phoebe_37 (A3), Phrankenstein_30 (CA), Phranny_37 (A3), Piro94_35 (A2), Pistachio_35 (A3), Polymorphads_34 (A4), Pomar16_38 (A2), PotatoSplit_38 (A3), Puppy_35 (A3), PurpleHaze_36 (A3), QueenB2_35 (A2), Quokka_34 (A2), RGL3_23 (CA), Rasputin_30 (CA), Reba_37 (A3), Retro23_36 (A2), RexFury_30 (CA), Rockstar_34 (A3), Scout_34 (A3), Serenity_36 (A2), Shuman_30 (CA), Sknot_35 (A2), SnapTap_35 (A2), Snickers_37 (A3), SoYo_37 (A3), SoilDragon_36 (A3), SororFago_39 (A14), StCroix_30 (CA), Stagni_37 (A3), StarStuff_38 (A2), StepMih_37 (A3), Stephig9_31 (A8), Superchunk_34 (A2), Swann_30 (CA), SweetiePie_35 (A2), SwirlSquare_35 (A2), TNguyen7_34 (A3), TWAMP_30 (CA), Takoda_30 (CA), TarsusIV_34 (A2), TinaFeyge_34 (A4), TipsytheTRex_34 (A2), Tomathan_38 (A2), Travvers_38 (A2), Tristan_36 (A2), Trixie_36 (A2), Trooper_36 (A2), UhSalsa_30 (CA), Watson_37 (A3), Wooldri_39 (A3), Yecey3_36 (A9), Yogi_30 (CA), Yoncess_30 (CA), Zimmer_36 (A12),

Start 52:
• Found in 16 of 485 (3.3%) of genes in pham
• Manual Annotations of this start: 12 of 464
• Called 75.0% of time when present
• Phage (with cluster) where this start called: BuzzBuzz_36 (A3), Bxz2_35 (A3), Daishi_36 (A3), HashRod_38 (A3), KADY_38 (A3), LarryKay_37 (A3), Louie6_37 (A3), Methuselah_36 (A3), Misomonster_39 (A3), Phoxy_37 (A3), Spike509_37 (A3), TinyPebbles_37 (A3),

Start 53:
• Found in 138 of 485 (28.5%) of genes in pham
• Manual Annotations of this start: 116 of 464
• Called 87.7% of time when present
• Phage (with cluster) where this start called: AbbysRanger_34 (A4), Achebe_33 (A4), Albee_34 (A4), Alberto7_35 (A4), Annyong_34 (A4), Avle17_34 (A4), Baby16_34 (A4), BabyBack_35 (A2), Backyardigan_34 (A4), Badger_34 (A4), Bartimeaus_34 (A4), Blackmoor_34 (A4), Broseidon_34 (A4), Buckaroo_33 (A4), Bumblebee11_34 (A4), Burger_33 (A4), Caelakin_34 (A4), Camperdownii_33 (A4), CentreCat_34 (A4),

Chaph_34 (A4), Chargerpower_36 (A22), Cici_34 (A4), Cindaradix_33 (A4), Cintron_34 (A4), Citius_34 (A4), Cocoaberry_34 (A4), Connomayer_34 (A4), Datway_34 (A4), Deano_34 (A4), Dhanush_34 (A4), DirtyDunning_34 (A4), DontArgue_33 (A10), Drake94_33 (A10), Druantia_34 (A4), Eapen_34 (A4), Eros_34 (A4), Florean_34 (A4), Flux_34 (A4), Gadost_34 (A4), HamSlice_33 (A4), Happiness_34 (A4), Holli_34 (A4), Houdini22_34 (A4), Huxley_34 (A4), ICleared_34 (A4), Iceman_35 (A4), Iracema64_35 (A4), JetBlade_34 (A4), Junimo_33 (A4), KFPoly_34 (A4), Katalie136_34 (A4), Kinmap_35 (A21), Koan_34 (A4), Koreni_33 (A4), Kremtemulon_34 (A4), Kyee_34 (A4), LappelDuVide_34 (A4), Lemur_34 (A4), LittleB_34 (A4), LittleGuy_34 (A4), Lorenzo_34 (A4), Lunsford_35 (A4), Maverick_34 (A4), Mayonnaise_34 (A4), Mazhar510_34 (A4), MeeZee_34 (A4), Miramae_34 (A4), Morpher26_34 (A4), Mundrea_34 (A4), Nemo27_34 (A4), Noelle_34 (A4), NorthStar_34 (A4), Northrop_34 (A4), NotAPhaseMom_34 (A4), Nyxis_34 (A4), OKaNui_35 (A4), Palestino_33 (A4), PeaceMeal1_33 (A10), Peaches_34 (A4), Perplexer_34 (A4), PeterPeter_34 (A4), PetiteSangsue_34 (A4), Phacado_34 (A4), Phighter1804_34 (A4), Phontbonne_34 (A4), Pipcraft_34 (A4), Poompha_33 (A10), Pumbaa_34 (A4), Relief_34 (A4), RockieBear_34 (A4), Rocksand_34 (A4), Romney_34 (A4), Roosevelt_34 (A4), Ruin_34 (A4), Sabertooth_34 (A4), Scamp_34 (A4), SenorClean_34 (A4), Severus_33 (A10), Shaka_34 (A4), Shygu2_34 (A4), Skipitt_34 (A4), Spino_34 (A4), Stasia_35 (A4), SteMason_34 (A4), Stink_35 (A4), Sultana_34 (A4), Taquarus_34 (A4), Thanksgivukkah_34 (A4), Tinybot_33 (A4), Topanga_35 (A10), Trike_32 (A10), Twister_35 (A10), TygerBlood_34 (A4), Ulysses_33 (A4), WalterMcMickey_35 (A10), Wander_34 (A4), Wilbur_34 (A4), Wile_34 (A4), Wizard007_34 (A4), Xena_34 (A4), YoSam321_34 (A4),

Start 54:
• Found in 97 of 485 (20.0%) of genes in pham
• Manual Annotations of this start: 61 of 464
• Called 62.9% of time when present
• Phage (with cluster) where this start called: AN3_34 (A2), AN9_37 (A2), ANI8_37 (A2), AbbyPaige_36 (A2), Agape74_36 (A2), Aleemily_119 (DZ), B1_32 (A3), Bactobuster_36 (A2), Baehexic_35 (A2), BellusTerra_34 (A4), BiancaTri92_36 (A2), C3_32 (A2), Cafasso_121 (DZ), Centaur_36 (A2), ChipMunk_37 (A2), Chupacabra_34 (A10), Dignity_36 (A2), Eagle_33 (A4), Eaglepride_36 (A10), Edison31_35 (A10), Equemioh13_36 (A2), EvilGenius_37 (A2), Fameo_35 (A2), FiringLine_35 (A2), Georgie2_36 (A2), Goose_35 (A10), HarryHoudini_37 (A2), IronMan_37 (A2), Iwokeuplikedis_35 (A2), Jerm_36 (A2), JoshKayV_36 (A2), KingCyrus_37 (A2), Kristoff_36 (A10), Larenn_36 (A2), Leviathan_36 (A2), LilTurb_35 (A2), Malec_37 (A2), Medusa_34 (A4), Melvin_35 (A4), ModicumRichard_121 (DZ), Morgana_128 (DZ), Morrow_34 (A4), OKCentral2016_34 (A10), ObLaDi_120 (DZ), Phaded_39 (A2), Power_34 (A2), Pukovnik_36 (A2), QueenBeesly_35 (A2), Rebeuca_36 (A10), SemperFi_36 (A2), Smeagan_37 (A2), Sparxx_34 (A4), TroyPia_34 (A4), Turbido_35 (A2), Updawg_36 (A2), VA6_34 (A2), VC3_37 (A2), WeiHuaDA_38 (A2), Whabigail7_35 (A2), WideWale_36 (A2), XianYue_36 (A2),

Start 55:
• Found in 90 of 485 (18.6%) of genes in pham
• Manual Annotations of this start: 2 of 464
• Called 4.4% of time when present
• Phage (with cluster) where this start called: Jaykayelowell_34 (A4), KekoraPapaka_34 (A4), Skadoosh_35 (A4), TiroTheta9_34 (A4),

Start 57:

• Found in 12 of 485 (2.5%) of genes in pham
• No Manual Annotations of this start.
• Called 8.3% of time when present
• Phage (with cluster) where this start called: RER2_23 (CA),

Start 58:
• Found in 63 of 485 (13.0%) of genes in pham
• Manual Annotations of this start: 6 of 464
• Called 9.5% of time when present
• Phage (with cluster) where this start called: AvatarAhPeg_35 (A4), LHTSCC_35 (A4), LeoAvram_34 (A4), LochMonster_34 (A4), Obama12_35 (A4), SheldonCooper_35 (A4),

Start 59:
• Found in 119 of 485 (24.5%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 1.7% of time when present
• Phage (with cluster) where this start called: Klodlith_35 (A9), Rummer_37 (A3),

Start 60:
• Found in 2 of 485 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 464
• Called 50.0% of time when present
• Phage (with cluster) where this start called: FatCactus_33 (A20),

Start 61:
• Found in 42 of 485 (8.7%) of genes in pham
• Manual Annotations of this start: 4 of 464
• Called 11.9% of time when present
• Phage (with cluster) where this start called: DudeLittle_34 (A2), Gratitude_36 (A2), Kratark_34 (A4), Rosa24_33 (A4), Terrific_36 (A2),

Start 64:
• Found in 206 of 485 (42.5%) of genes in pham
• Manual Annotations of this start: 4 of 464
• Called 2.9% of time when present
• Phage (with cluster) where this start called: Croquant_38 (A3), JenCasNa_37 (A3), Lilith_37 (A3), Microwolf_37 (A3), Montavir_36 (A3), Taurus_37 (A3),

Summary by clusters:

There are 17 clusters represented in this pham: A20, A21, singleton, A14, A10, A12, CA, A19, A22, A18, A3, A2, A5, A4, A9, A8, DZ,

Info for manual annotations of cluster A10:
•Start number 53 was manually annotated 8 times for cluster A10.
•Start number 54 was manually annotated 7 times for cluster A10.

Info for manual annotations of cluster A12:
•Start number 50 was manually annotated 1 time for cluster A12.
•Start number 51 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A14:

•Start number 51 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A18:
•Start number 50 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:
•Start number 51 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 48 was manually annotated 1 time for cluster A2.
•Start number 51 was manually annotated 51 times for cluster A2.
•Start number 53 was manually annotated 1 time for cluster A2.
•Start number 54 was manually annotated 41 times for cluster A2.
•Start number 61 was manually annotated 3 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 50 was manually annotated 1 time for cluster A20.
•Start number 60 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A21:
•Start number 53 was manually annotated 1 time for cluster A21.

Info for manual annotations of cluster A22:
•Start number 53 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 24 was manually annotated 9 times for cluster A3.
•Start number 32 was manually annotated 1 time for cluster A3.
•Start number 46 was manually annotated 3 times for cluster A3.
•Start number 48 was manually annotated 2 times for cluster A3.
•Start number 51 was manually annotated 74 times for cluster A3.
•Start number 52 was manually annotated 12 times for cluster A3.
•Start number 54 was manually annotated 1 time for cluster A3.
•Start number 59 was manually annotated 1 time for cluster A3.
•Start number 64 was manually annotated 4 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 43 was manually annotated 1 time for cluster A4.
•Start number 45 was manually annotated 8 times for cluster A4.
•Start number 51 was manually annotated 13 times for cluster A4.
•Start number 53 was manually annotated 105 times for cluster A4.
•Start number 54 was manually annotated 7 times for cluster A4.
•Start number 55 was manually annotated 2 times for cluster A4.
•Start number 58 was manually annotated 6 times for cluster A4.
•Start number 61 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A5:
•Start number 50 was manually annotated 38 times for cluster A5.

Info for manual annotations of cluster A8:
•Start number 50 was manually annotated 9 times for cluster A8.
•Start number 51 was manually annotated 2 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 49 was manually annotated 4 times for cluster A9.
•Start number 51 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster CA:
•Start number 51 was manually annotated 33 times for cluster CA.

Info for manual annotations of cluster DZ:
•Start number 54 was manually annotated 5 times for cluster DZ.

Gene Information:

Gene: ACFishhook_36 Start: 27097, Stop: 27534, Start Num: 51
Candidate Starts for ACFishhook_36:
(27, 26995), (Start: 51 @27097 has 177 MA's), (72, 27241), (81, 27283), (92, 27355), (94, 27367), (100, 27400), (101, 27403), (110, 27454), (111, 27457),

Gene: AN3_34 Start: 26808, Stop: 27242, Start Num: 54
Candidate Starts for AN3_34:
(Start: 51 @26805 has 177 MA's), (Start: 54 @26808 has 61 MA's), (70, 26928), (72, 26943), (81, 26985), (82, 26994), (91, 27051), (94, 27069), (100, 27102), (101, 27105),

Gene: AN9_37 Start: 26793, Stop: 27227, Start Num: 54
Candidate Starts for AN9_37:
(Start: 51 @26790 has 177 MA's), (Start: 54 @26793 has 61 MA's), (70, 26913), (72, 26928), (81, 26970), (82, 26979), (91, 27036), (94, 27054), (100, 27087), (101, 27090),

Gene: ANI8_37 Start: 26793, Stop: 27227, Start Num: 54
Candidate Starts for ANI8_37:
(Start: 51 @26790 has 177 MA's), (Start: 54 @26793 has 61 MA's), (70, 26913), (72, 26928), (81, 26970), (82, 26979), (91, 27036), (94, 27054), (100, 27087), (101, 27090),

Gene: AbbyPaige_36 Start: 27084, Stop: 27524, Start Num: 54
Candidate Starts for AbbyPaige_36:
(Start: 54 @27084 has 61 MA's), (Start: 58 @27111 has 6 MA's), (69, 27192), (70, 27204), (72, 27225), (81, 27267), (82, 27276), (90, 27330), (91, 27333), (92, 27339), (94, 27351), (99, 27378), (100, 27384),

Gene: AbbysRanger_34 Start: 26778, Stop: 27203, Start Num: 53
Candidate Starts for AbbysRanger_34:
(Start: 53 @26778 has 116 MA's), (Start: 64 @26835 has 4 MA's), (66, 26847), (70, 26889), (72, 26904), (73, 26907), (74, 26913), (86, 26988), (91, 27009), (94, 27027), (100, 27060), (101, 27063), (104, 27084),

Gene: Abdiel_33 Start: 26630, Stop: 27076, Start Num: 51
Candidate Starts for Abdiel_33:
(6, 26441), (8, 26480), (14, 26492), (Start: 51 @26630 has 177 MA's), (Start: 54 @26633 has 61 MA's), (56, 26639), (Start: 58 @26660 has 6 MA's), (67, 26726), (72, 26774), (73, 26777), (75, 26786), (81, 26816), (90, 26879), (92, 26888), (100, 26933),

Gene: Achebe_33 Start: 26761, Stop: 27186, Start Num: 53
Candidate Starts for Achebe_33:

(Start: 53 @26761 has 116 MA's), (Start: 64 @26818 has 4 MA's), (66, 26830), (70, 26872), (72, 26887), (73, 26890), (74, 26896), (86, 26971), (91, 26992), (94, 27010), (100, 27043), (101, 27046), (104, 27067),

Gene: Acolyte_35 Start: 27459, Stop: 27911, Start Num: 51
Candidate Starts for Acolyte_35:
(Start: 51 @27459 has 177 MA's), (72, 27603), (86, 27690), (90, 27708), (91, 27711), (92, 27717), (94, 27729), (100, 27762),

Gene: Adzzy_36 Start: 25549, Stop: 25989, Start Num: 51
Candidate Starts for Adzzy_36:
(Start: 51 @25549 has 177 MA's), (66, 25630), (73, 25690), (75, 25699), (82, 25738), (92, 25801), (94, 25813), (100, 25846), (101, 25849), (110, 25900), (111, 25903), (113, 25909), (118, 25942), (123, 25951), (129, 25972),

Gene: Agape74_36 Start: 27060, Stop: 27500, Start Num: 54
Candidate Starts for Agape74_36:
(Start: 54 @27060 has 61 MA's), (Start: 58 @27087 has 6 MA's), (69, 27168), (70, 27180), (72, 27201), (81, 27243), (82, 27252), (90, 27306), (91, 27309), (92, 27315), (94, 27327), (99, 27354), (100, 27360), (109, 27408),

Gene: AgentM_31 Start: 26023, Stop: 26442, Start Num: 50
Candidate Starts for AgentM_31:
(Start: 50 @26023 has 51 MA's), (Start: 64 @26080 has 4 MA's), (72, 26155), (91, 26263), (94, 26281), (99, 26308), (100, 26314), (101, 26317), (109, 26362), (111, 26371),

Gene: Aglet_37 Start: 27201, Stop: 27632, Start Num: 51
Candidate Starts for Aglet_37:
(22, 27087), (Start: 24 @27093 has 9 MA's), (Start: 51 @27201 has 177 MA's), (Start: 64 @27270 has 4 MA's), (72, 27339), (73, 27342), (82, 27390), (92, 27453), (94, 27465), (100, 27498), (101, 27501), (110, 27552), (111, 27555), (119, 27594),

Gene: AgronaGT15_37 Start: 27217, Stop: 27654, Start Num: 48
Candidate Starts for AgronaGT15_37:
(35, 27139), (Start: 48 @27217 has 3 MA's), (Start: 52 @27223 has 12 MA's), (Start: 59 @27247 has 1 MA's), (70, 27334), (72, 27355), (73, 27358), (78, 27382), (86, 27442), (88, 27448), (91, 27463), (92, 27469), (98, 27511), (100, 27520), (101, 27523), (110, 27574), (111, 27577), (119, 27616),

Gene: Airmid_32 Start: 25650, Stop: 26069, Start Num: 50
Candidate Starts for Airmid_32:
(Start: 50 @25650 has 51 MA's), (66, 25719), (67, 25734), (70, 25761), (72, 25782), (88, 25875), (91, 25890), (94, 25908), (99, 25935), (100, 25941), (101, 25944), (109, 25989), (111, 25998),

Gene: Alatin_30 Start: 24253, Stop: 24729, Start Num: 51
Candidate Starts for Alatin_30:
(Start: 51 @24253 has 177 MA's), (57, 24268), (72, 24406), (73, 24409), (76, 24421), (78, 24433), (85, 24496), (87, 24502), (94, 24538), (107, 24613), (110, 24634), (111, 24637), (116, 24670),

Gene: Albee_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Albee_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Alberto7_35 Start: 27068, Stop: 27496, Start Num: 53
Candidate Starts for Alberto7_35:
(Start: 43 @27026 has 1 MA's), (Start: 53 @27068 has 116 MA's), (Start: 58 @27086 has 6 MA's), (Start: 61 @27110 has 4 MA's), (70, 27179), (72, 27194), (74, 27203), (75, 27206), (78, 27221), (87, 27284), (91, 27302), (92, 27308), (94, 27320), (97, 27344), (99, 27347), (100, 27353),

Gene: Aleemily_119 Start: 65331, Stop: 64822, Start Num: 54
Candidate Starts for Aleemily_119:
(1, 65634), (11, 65487), (Start: 51 @65334 has 177 MA's), (Start: 54 @65331 has 61 MA's), (Start: 59 @65307 has 1 MA's), (70, 65220), (81, 65157), (82, 65148), (91, 65094), (92, 65088),

Gene: Alpacados_29 Start: 24122, Stop: 24598, Start Num: 51
Candidate Starts for Alpacados_29:
(Start: 51 @24122 has 177 MA's), (57, 24137), (72, 24275), (73, 24278), (76, 24290), (78, 24302), (85, 24365), (87, 24371), (94, 24407), (107, 24482), (110, 24503), (111, 24506), (116, 24539),

Gene: AngryOrchard_29 Start: 24118, Stop: 24594, Start Num: 51
Candidate Starts for AngryOrchard_29:
(Start: 51 @24118 has 177 MA's), (72, 24271), (73, 24274), (76, 24286), (78, 24298), (85, 24361), (87, 24367), (94, 24403), (107, 24478), (109, 24493), (110, 24499), (111, 24502),

Gene: Annyong_34 Start: 26711, Stop: 27136, Start Num: 53
Candidate Starts for Annyong_34:
(37, 26630), (Start: 45 @26690 has 8 MA's), (Start: 53 @26711 has 116 MA's), (Start: 55 @26717 has 2 MA's), (Start: 59 @26735 has 1 MA's), (Start: 64 @26768 has 4 MA's), (66, 26780), (70, 26822), (72, 26837), (86, 26921), (91, 26942), (92, 26948), (94, 26960), (100, 26993), (101, 26996), (104, 27017),

Gene: Anselm_36 Start: 27172, Stop: 27609, Start Num: 51
Candidate Starts for Anselm_36:
(22, 27061), (33, 27085), (Start: 51 @27172 has 177 MA's), (Start: 64 @27241 has 4 MA's), (70, 27295), (72, 27310), (81, 27352), (82, 27361), (90, 27415), (91, 27418), (92, 27424), (94, 27436), (100, 27469),

Gene: Anthony_34 Start: 25209, Stop: 25643, Start Num: 50
Candidate Starts for Anthony_34:
(Start: 50 @25209 has 51 MA's), (Start: 60 @25242 has 1 MA's), (65, 25275), (66, 25278), (70, 25320), (74, 25350), (76, 25356), (90, 25446), (94, 25467), (106, 25530), (108, 25539), (110, 25554), (111, 25557), (113, 25563), (117, 25596), (122, 25605), (126, 25614), (129, 25626),

Gene: Anubis_39 Start: 26978, Stop: 27517, Start Num: 24
Candidate Starts for Anubis_39:
(22, 26972), (Start: 24 @26978 has 9 MA's), (Start: 51 @27086 has 177 MA's), (Start: 64 @27155 has 4 MA's), (72, 27224), (73, 27227), (82, 27275), (92, 27338), (94, 27350), (100, 27383), (101, 27386), (110, 27437), (111, 27440), (119, 27479),

Gene: AppleCloud_28 Start: 24128, Stop: 24520, Start Num: 51
Candidate Starts for AppleCloud_28:
(Start: 51 @24128 has 177 MA's), (72, 24281), (73, 24284), (76, 24296), (78, 24308), (87, 24377), (94, 24413), (107, 24488), (109, 24503), (110, 24509), (111, 24512),

Gene: Aragog_31 Start: 26053, Stop: 26472, Start Num: 50
Candidate Starts for Aragog_31:

(Start: 50 @26053 has 51 MA's), (Start: 64 @26110 has 4 MA's), (72, 26185), (91, 26293), (94, 26311), (99, 26338), (100, 26344), (101, 26347), (109, 26392), (111, 26401),

Gene: Archetta_31 Start: 26159, Stop: 26578, Start Num: 50
Candidate Starts for Archetta_31:
(Start: 50 @26159 has 51 MA's), (66, 26228), (67, 26243), (70, 26270), (72, 26291), (88, 26384), (91, 26399), (94, 26417), (99, 26444), (100, 26450), (101, 26453), (109, 26498), (111, 26507),

Gene: Arturo_33 Start: 26841, Stop: 27311, Start Num: 43
Candidate Starts for Arturo_33:
(Start: 43 @26841 has 1 MA's), (Start: 53 @26883 has 116 MA's), (Start: 58 @26901 has 6 MA's), (Start: 61 @26925 has 4 MA's), (70, 26994), (72, 27009), (74, 27018), (75, 27021), (78, 27036), (87, 27099), (90, 27114), (92, 27123), (94, 27135), (99, 27162), (100, 27168),

Gene: Astro_31 Start: 25165, Stop: 25587, Start Num: 50
Candidate Starts for Astro_31:
(13, 25027), (19, 25042), (28, 25066), (30, 25069), (Start: 50 @25165 has 51 MA's), (Start: 64 @25222 has 4 MA's), (70, 25276), (72, 25297), (75, 25309), (78, 25324), (80, 25330), (86, 25384), (87, 25387), (90, 25402), (93, 25414), (94, 25423), (99, 25450), (100, 25456), (101, 25459), (111, 25513), (112, 25516), (115, 25537),

Gene: AugsMagnumOpus_39 Start: 27192, Stop: 27623, Start Num: 51
Candidate Starts for AugsMagnumOpus_39:
(22, 27078), (Start: 24 @27084 has 9 MA's), (Start: 51 @27192 has 177 MA's), (Start: 64 @27261 has 4 MA's), (72, 27330), (73, 27333), (82, 27381), (92, 27444), (94, 27456), (100, 27489), (101, 27492), (110, 27543), (111, 27546), (119, 27585),

Gene: AvatarAhPeg_35 Start: 27391, Stop: 27801, Start Num: 58
Candidate Starts for AvatarAhPeg_35:
(Start: 53 @27373 has 116 MA's), (Start: 58 @27391 has 6 MA's), (66, 27442), (70, 27484), (72, 27499), (74, 27508), (75, 27511), (87, 27589), (91, 27607), (92, 27613), (94, 27625), (100, 27658), (107, 27691), (125, 27769),

Gene: Avle17_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Avle17_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: B1_32 Start: 26231, Stop: 26653, Start Num: 54
Candidate Starts for B1_32:
(Start: 51 @26228 has 177 MA's), (Start: 54 @26231 has 61 MA's), (70, 26351), (72, 26366), (90, 26471), (92, 26480), (94, 26492), (100, 26525), (110, 26579), (111, 26582), (119, 26615),

Gene: Baby16_34 Start: 26721, Stop: 27146, Start Num: 53
Candidate Starts for Baby16_34:
(10, 26574), (21, 26598), (37, 26640), (Start: 45 @26700 has 8 MA's), (Start: 53 @26721 has 116 MA's), (Start: 55 @26727 has 2 MA's), (Start: 59 @26745 has 1 MA's), (Start: 64 @26778 has 4 MA's), (66, 26790), (70, 26832), (72, 26847), (86, 26931), (91, 26952), (92, 26958), (94, 26970), (100, 27003), (101, 27006), (104, 27027),

Gene: BabyBack_35 Start: 27951, Stop: 28376, Start Num: 53
Candidate Starts for BabyBack_35:

(Start: 53 @27951 has 116 MA's), (Start: 59 @27975 has 1 MA's), (70, 28062), (72, 28077), (75, 28089), (90, 28182), (92, 28191), (94, 28203), (100, 28236), (101, 28239), (109, 28284), (112, 28296),

Gene: BabyRay_34 Start: 26773, Stop: 27204, Start Num: 51
Candidate Starts for BabyRay_34:
(9, 26623), (15, 26635), (18, 26644), (29, 26674), (Start: 51 @26773 has 177 MA's), (Start: 58 @26803 has 6 MA's), (Start: 61 @26827 has 4 MA's), (71, 26899), (72, 26917), (74, 26926), (75, 26929), (81, 26959), (82, 26968), (87, 27007), (90, 27022), (92, 27031), (94, 27043), (100, 27076), (119, 27166),

Gene: Backyardigan_34 Start: 26773, Stop: 27198, Start Num: 53
Candidate Starts for Backyardigan_34:
(Start: 53 @26773 has 116 MA's), (Start: 64 @26830 has 4 MA's), (66, 26842), (70, 26884), (72, 26899), (73, 26902), (74, 26908), (86, 26983), (91, 27004), (94, 27022), (100, 27055), (101, 27058), (104, 27079),

Gene: Bactobuster_36 Start: 28381, Stop: 28815, Start Num: 54
Candidate Starts for Bactobuster_36:
(Start: 54 @28381 has 61 MA's), (72, 28516), (81, 28558), (90, 28621), (94, 28642), (100, 28675),

Gene: Badger_34 Start: 26762, Stop: 27187, Start Num: 53
Candidate Starts for Badger_34:
(Start: 53 @26762 has 116 MA's), (Start: 64 @26819 has 4 MA's), (66, 26831), (70, 26873), (72, 26888), (73, 26891), (74, 26897), (86, 26972), (91, 26993), (94, 27011), (100, 27044), (101, 27047), (104, 27068),

Gene: Baehexic_35 Start: 27243, Stop: 27677, Start Num: 54
Candidate Starts for Baehexic_35:
(40, 27177), (Start: 54 @27243 has 61 MA's), (Start: 61 @27294 has 4 MA's), (70, 27363), (72, 27378), (76, 27393), (81, 27420), (82, 27429), (90, 27483), (100, 27537), (101, 27540),

Gene: BangNhom_34 Start: 26967, Stop: 27413, Start Num: 51
Candidate Starts for BangNhom_34:
(Start: 51 @26967 has 177 MA's), (Start: 54 @26970 has 61 MA's), (56, 26976), (Start: 58 @26997 has 6 MA's), (67, 27063), (72, 27111), (73, 27114), (75, 27123), (81, 27153), (90, 27216), (91, 27219), (92, 27225), (100, 27270), (125, 27381),

Gene: Bartimeaus_34 Start: 26712, Stop: 27137, Start Num: 53
Candidate Starts for Bartimeaus_34:
(10, 26565), (21, 26589), (37, 26631), (Start: 45 @26691 has 8 MA's), (Start: 53 @26712 has 116 MA's), (Start: 55 @26718 has 2 MA's), (Start: 59 @26736 has 1 MA's), (Start: 64 @26769 has 4 MA's), (66, 26781), (70, 26823), (72, 26838), (86, 26922), (91, 26943), (92, 26949), (94, 26961), (100, 26994), (101, 26997), (104, 27018),

Gene: Beauxregard13_37 Start: 27200, Stop: 27631, Start Num: 51
Candidate Starts for Beauxregard13_37:
(22, 27086), (Start: 24 @27092 has 9 MA's), (Start: 51 @27200 has 177 MA's), (Start: 64 @27269 has 4 MA's), (72, 27338), (73, 27341), (82, 27389), (92, 27452), (94, 27464), (100, 27497), (101, 27500), (110, 27551), (111, 27554), (119, 27593),

Gene: Belenaria_30 Start: 24187, Stop: 24663, Start Num: 51
Candidate Starts for Belenaria_30:
(Start: 51 @24187 has 177 MA's), (72, 24340), (73, 24343), (76, 24355), (78, 24367), (85, 24430), (87, 24436), (94, 24472), (107, 24547), (110, 24568), (111, 24571), (116, 24604),

Gene: BellusTerra_34 Start: 26633, Stop: 27076, Start Num: 54
Candidate Starts for BellusTerra_34:
(Start: 51 @26630 has 177 MA's), (Start: 54 @26633 has 61 MA's), (56, 26639), (Start: 58 @26660 has 6 MA's), (67, 26726), (72, 26774), (73, 26777), (75, 26786), (81, 26816), (90, 26879), (92, 26888), (100, 26933),

Gene: Benedict_32 Start: 25653, Stop: 26072, Start Num: 50
Candidate Starts for Benedict_32:
(Start: 50 @25653 has 51 MA's), (66, 25722), (67, 25737), (70, 25764), (72, 25785), (88, 25878), (91, 25893), (94, 25911), (99, 25938), (100, 25944), (101, 25947), (109, 25992), (111, 26001),

Gene: BiancaTri92_36 Start: 28056, Stop: 28490, Start Num: 54
Candidate Starts for BiancaTri92_36:
(40, 27990), (Start: 54 @28056 has 61 MA's), (72, 28191), (81, 28233), (82, 28242), (90, 28296), (92, 28305), (94, 28317), (100, 28350), (101, 28353),

Gene: Bigflo_37 Start: 27199, Stop: 27630, Start Num: 51
Candidate Starts for Bigflo_37:
(22, 27085), (Start: 24 @27091 has 9 MA's), (Start: 51 @27199 has 177 MA's), (Start: 64 @27268 has 4 MA's), (72, 27337), (73, 27340), (82, 27388), (92, 27451), (94, 27463), (100, 27496), (101, 27499), (110, 27550), (111, 27553), (119, 27592),

Gene: Blackmoor_34 Start: 26712, Stop: 27137, Start Num: 53
Candidate Starts for Blackmoor_34:
(10, 26565), (21, 26589), (37, 26631), (Start: 45 @26691 has 8 MA's), (Start: 53 @26712 has 116 MA's), (Start: 55 @26718 has 2 MA's), (Start: 59 @26736 has 1 MA's), (Start: 64 @26769 has 4 MA's), (66, 26781), (70, 26823), (72, 26838), (86, 26922), (91, 26943), (92, 26949), (94, 26961), (100, 26994), (101, 26997), (104, 27018),

Gene: BlueBird_35 Start: 26708, Stop: 27133, Start Num: 51
Candidate Starts for BlueBird_35:
(22, 26594), (Start: 24 @26600 has 9 MA's), (Start: 46 @26693 has 3 MA's), (Start: 51 @26708 has 177 MA's), (72, 26846), (90, 26951), (91, 26954), (92, 26960), (94, 26972), (100, 27005), (101, 27008), (111, 27062), (119, 27095),

Gene: Bluefalcon_30 Start: 26103, Stop: 26531, Start Num: 50
Candidate Starts for Bluefalcon_30:
(Start: 50 @26103 has 51 MA's), (Start: 64 @26160 has 4 MA's), (72, 26235), (82, 26286), (91, 26343), (94, 26361), (100, 26394), (101, 26397), (109, 26442), (111, 26451), (117, 26487),

Gene: BobbyDazzler_30 Start: 24232, Stop: 24708, Start Num: 51
Candidate Starts for BobbyDazzler_30:
(Start: 51 @24232 has 177 MA's), (72, 24385), (73, 24388), (76, 24400), (78, 24412), (85, 24475), (87, 24481), (94, 24517), (107, 24592), (110, 24613), (111, 24616),

Gene: Bombshell_34 Start: 26689, Stop: 27135, Start Num: 45
Candidate Starts for Bombshell_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Bonamassa_31 Start: 25944, Stop: 26372, Start Num: 50

Candidate Starts for Bonamassa_31:
(Start: 50 @25944 has 51 MA's), (Start: 64 @26001 has 4 MA's), (72, 26076), (82, 26127), (91, 26184), (94, 26202), (99, 26229), (100, 26235), (101, 26238), (109, 26283), (111, 26292), (117, 26328),

Gene: Bonanza_30 Start: 24160, Stop: 24636, Start Num: 51
Candidate Starts for Bonanza_30:
(Start: 51 @24160 has 177 MA's), (72, 24313), (73, 24316), (76, 24328), (78, 24340), (85, 24403), (87, 24409), (94, 24445), (107, 24520), (110, 24541), (111, 24544), (116, 24577),

Gene: Bradman_35 Start: 26009, Stop: 26440, Start Num: 51
Candidate Starts for Bradman_35:
(Start: 51 @26009 has 177 MA's), (Start: 64 @26078 has 4 MA's), (75, 26159), (78, 26174), (86, 26234), (87, 26237), (93, 26264), (94, 26273), (100, 26306), (101, 26309), (110, 26360), (111, 26363), (113, 26369), (114, 26384),

Gene: Bradshaw_30 Start: 24186, Stop: 24662, Start Num: 51
Candidate Starts for Bradshaw_30:
(Start: 51 @24186 has 177 MA's), (57, 24201), (72, 24339), (73, 24342), (76, 24354), (78, 24366), (85, 24429), (87, 24435), (94, 24471), (107, 24546), (110, 24567), (111, 24570), (116, 24603),

Gene: BreSam8_37 Start: 27193, Stop: 27624, Start Num: 51
Candidate Starts for BreSam8_37:
(22, 27079), (Start: 24 @27085 has 9 MA's), (Start: 51 @27193 has 177 MA's), (Start: 64 @27262 has 4 MA's), (72, 27331), (73, 27334), (82, 27382), (92, 27445), (94, 27457), (100, 27490), (101, 27493), (110, 27544), (111, 27547), (119, 27586),

Gene: Broseidon_34 Start: 26712, Stop: 27137, Start Num: 53
Candidate Starts for Broseidon_34:
(10, 26565), (21, 26589), (37, 26631), (Start: 45 @26691 has 8 MA's), (Start: 53 @26712 has 116 MA's), (Start: 55 @26718 has 2 MA's), (Start: 59 @26736 has 1 MA's), (Start: 64 @26769 has 4 MA's), (66, 26781), (70, 26823), (72, 26838), (86, 26922), (91, 26943), (92, 26949), (94, 26961), (100, 26994), (101, 26997), (104, 27018),

Gene: Bruiser_33 Start: 26689, Stop: 27135, Start Num: 45
Candidate Starts for Bruiser_33:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Bryce_30 Start: 24161, Stop: 24637, Start Num: 51
Candidate Starts for Bryce_30:
(Start: 51 @24161 has 177 MA's), (72, 24314), (73, 24317), (76, 24329), (78, 24341), (85, 24404), (87, 24410), (94, 24446), (107, 24521), (110, 24542), (111, 24545),

Gene: BubbleTrouble_34 Start: 26689, Stop: 27135, Start Num: 45
Candidate Starts for BubbleTrouble_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Buckaroo_33 Start: 26714, Stop: 27139, Start Num: 53
Candidate Starts for Buckaroo_33:

(37, 26633), (Start: 45 @26693 has 8 MA's), (Start: 53 @26714 has 116 MA's), (Start: 55 @26720 has 2 MA's), (Start: 59 @26738 has 1 MA's), (Start: 64 @26771 has 4 MA's), (66, 26783), (70, 26825), (72, 26840), (86, 26924), (91, 26945), (92, 26951), (94, 26963), (100, 26996), (101, 26999), (104, 27020),

Gene: Bugsy_37 Start: 27385, Stop: 27822, Start Num: 51
Candidate Starts for Bugsy_37:
(22, 27274), (33, 27298), (Start: 51 @27385 has 177 MA's), (Start: 64 @27454 has 4 MA's), (70, 27508), (72, 27523), (81, 27565), (82, 27574), (90, 27628), (92, 27637), (100, 27682), (101, 27685),

Gene: Bumblebee11_34 Start: 26764, Stop: 27189, Start Num: 53
Candidate Starts for Bumblebee11_34:
(Start: 53 @26764 has 116 MA's), (Start: 64 @26821 has 4 MA's), (66, 26833), (70, 26875), (72, 26890), (73, 26893), (74, 26899), (86, 26974), (91, 26995), (94, 27013), (100, 27046), (101, 27049), (104, 27070),

Gene: Burger_33 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Burger_33:
(37, 26629), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: BuzzBuzz_36 Start: 27402, Stop: 27833, Start Num: 52
Candidate Starts for BuzzBuzz_36:
(35, 27318), (Start: 48 @27396 has 3 MA's), (Start: 52 @27402 has 12 MA's), (Start: 59 @27426 has 1 MA's), (70, 27513), (72, 27534), (73, 27537), (86, 27621), (88, 27627), (91, 27642), (92, 27648), (98, 27690), (100, 27699), (101, 27702), (110, 27753), (111, 27756), (119, 27795),

Gene: Bxz2_35 Start: 27409, Stop: 27840, Start Num: 52
Candidate Starts for Bxz2_35:
(35, 27325), (Start: 48 @27403 has 3 MA's), (Start: 52 @27409 has 12 MA's), (Start: 59 @27433 has 1 MA's), (70, 27520), (72, 27541), (73, 27544), (78, 27568), (86, 27628), (88, 27634), (91, 27649), (92, 27655), (98, 27697), (100, 27706), (101, 27709), (110, 27760), (111, 27763), (119, 27802),

Gene: C3_32 Start: 26793, Stop: 27227, Start Num: 54
Candidate Starts for C3_32:
(Start: 51 @26790 has 177 MA's), (Start: 54 @26793 has 61 MA's), (70, 26913), (72, 26928), (81, 26970), (82, 26979), (91, 27036), (94, 27054), (100, 27087), (101, 27090),

Gene: Caelakin_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Caelakin_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Cafasso_121 Start: 65936, Stop: 65427, Start Num: 54
Candidate Starts for Cafasso_121:
(1, 66239), (11, 66092), (Start: 54 @65936 has 61 MA's), (Start: 59 @65912 has 1 MA's), (70, 65825), (81, 65762), (82, 65753), (91, 65699), (92, 65693),

Gene: Caitlin_31 Start: 25158, Stop: 25580, Start Num: 50
Candidate Starts for Caitlin_31:
(13, 25020), (19, 25035), (28, 25059), (30, 25062), (Start: 50 @25158 has 51 MA's), (70, 25269), (72, 25290), (75, 25302), (78, 25317), (80, 25323), (86, 25377), (87, 25380), (90, 25395), (93, 25407), (94,

25416), (99, 25443), (100, 25449), (101, 25452), (111, 25506), (112, 25509), (115, 25530),

Gene: Calvinny_36 Start: 27022, Stop: 27459, Start Num: 51
Candidate Starts for Calvinny_36:
(27, 26920), (Start: 51 @27022 has 177 MA's), (72, 27166), (81, 27208), (92, 27280), (94, 27292), (100, 27325), (101, 27328), (110, 27379), (111, 27382),

Gene: Camperdownii_33 Start: 26401, Stop: 26829, Start Num: 53
Candidate Starts for Camperdownii_33:
(25, 26296), (26, 26299), (Start: 43 @26359 has 1 MA's), (Start: 53 @26401 has 116 MA's), (Start: 58 @26419 has 6 MA's), (Start: 61 @26443 has 4 MA's), (70, 26512), (72, 26527), (74, 26536), (75, 26539), (78, 26554), (87, 26617), (91, 26635), (92, 26641), (94, 26653), (99, 26680), (100, 26686),

Gene: Caraxes_34 Start: 25405, Stop: 25860, Start Num: 51
Candidate Starts for Caraxes_34:
(Start: 51 @25405 has 177 MA's), (Start: 64 @25474 has 4 MA's), (66, 25486), (70, 25528), (72, 25543), (73, 25546), (74, 25552), (75, 25555), (82, 25594), (94, 25669), (100, 25702), (101, 25705), (110, 25756), (111, 25759),

Gene: Celestialunch_33 Start: 26487, Stop: 26912, Start Num: 49
Candidate Starts for Celestialunch_33:
(Start: 49 @26487 has 4 MA's), (70, 26598), (72, 26619), (82, 26670), (90, 26724), (92, 26733), (94, 26745), (99, 26772), (100, 26778), (111, 26835),

Gene: Centaur_36 Start: 27221, Stop: 27655, Start Num: 54
Candidate Starts for Centaur_36:
(40, 27155), (Start: 54 @27221 has 61 MA's), (Start: 61 @27272 has 4 MA's), (72, 27356), (81, 27398), (82, 27407), (90, 27461), (91, 27464), (92, 27470), (94, 27482), (100, 27515),

Gene: CentreCat_34 Start: 26713, Stop: 27138, Start Num: 53
Candidate Starts for CentreCat_34:
(10, 26566), (21, 26590), (37, 26632), (Start: 45 @26692 has 8 MA's), (Start: 53 @26713 has 116 MA's), (Start: 55 @26719 has 2 MA's), (Start: 59 @26737 has 1 MA's), (Start: 64 @26770 has 4 MA's), (66, 26782), (70, 26824), (72, 26839), (86, 26923), (91, 26944), (92, 26950), (94, 26962), (100, 26995), (101, 26998), (104, 27019),

Gene: Cerulean_35 Start: 26968, Stop: 27414, Start Num: 51
Candidate Starts for Cerulean_35:
(Start: 51 @26968 has 177 MA's), (Start: 54 @26971 has 61 MA's), (56, 26977), (Start: 58 @26998 has 6 MA's), (67, 27064), (72, 27112), (73, 27115), (75, 27124), (81, 27154), (90, 27217), (91, 27220), (92, 27226), (100, 27271), (125, 27382),

Gene: Chadwick_33 Start: 25547, Stop: 25975, Start Num: 50
Candidate Starts for Chadwick_33:
(Start: 50 @25547 has 51 MA's), (66, 25616), (67, 25631), (70, 25658), (72, 25679), (88, 25772), (91, 25787), (94, 25805), (99, 25832), (100, 25838), (101, 25841), (109, 25886), (111, 25895), (117, 25931),

Gene: ChampagnePapi_35 Start: 26967, Stop: 27413, Start Num: 51
Candidate Starts for ChampagnePapi_35:
(Start: 51 @26967 has 177 MA's), (Start: 54 @26970 has 61 MA's), (56, 26976), (Start: 58 @26997 has 6 MA's), (67, 27063), (72, 27111), (73, 27114), (75, 27123), (81, 27153), (90, 27216), (92, 27225), (100, 27270), (125, 27381),

Gene: Chaph_34 Start: 26721, Stop: 27146, Start Num: 53
Candidate Starts for Chaph_34:
(37, 26640), (Start: 45 @26700 has 8 MA's), (Start: 53 @26721 has 116 MA's), (Start: 55 @26727 has 2 MA's), (Start: 59 @26745 has 1 MA's), (Start: 64 @26778 has 4 MA's), (66, 26790), (70, 26832), (72, 26847), (86, 26931), (91, 26952), (92, 26958), (94, 26970), (100, 27003), (101, 27006), (104, 27027),

Gene: Chargerpower_36 Start: 26499, Stop: 26924, Start Num: 53
Candidate Starts for Chargerpower_36:
(Start: 53 @26499 has 116 MA's), (Start: 59 @26523 has 1 MA's), (72, 26625), (83, 26682), (90, 26730), (94, 26751), (100, 26784), (109, 26832),

Gene: Charm_34 Start: 26512, Stop: 26937, Start Num: 49
Candidate Starts for Charm_34:
(Start: 49 @26512 has 4 MA's), (Start: 59 @26536 has 1 MA's), (70, 26623), (72, 26644), (78, 26671), (88, 26737), (90, 26749), (94, 26770), (100, 26803), (110, 26857), (111, 26860),

Gene: Che12_37 Start: 25786, Stop: 26241, Start Num: 51
Candidate Starts for Che12_37:
(Start: 51 @25786 has 177 MA's), (68, 25891), (70, 25909), (72, 25924), (74, 25933), (75, 25936), (82, 25975), (94, 26050), (100, 26083), (101, 26086), (110, 26137), (111, 26140), (113, 26146),

Gene: ChipMunk_37 Start: 28511, Stop: 28951, Start Num: 54
Candidate Starts for ChipMunk_37:
(Start: 54 @28511 has 61 MA's), (Start: 58 @28538 has 6 MA's), (69, 28619), (70, 28631), (72, 28652), (81, 28694), (82, 28703), (90, 28757), (91, 28760), (92, 28766), (94, 28778), (99, 28805), (100, 28811),

Gene: Chupacabra_34 Start: 26742, Stop: 27158, Start Num: 54
Candidate Starts for Chupacabra_34:
(38, 26670), (Start: 54 @26742 has 61 MA's), (Start: 61 @26778 has 4 MA's), (70, 26847), (72, 26862), (75, 26874), (91, 26967), (92, 26973), (94, 26985), (100, 27018), (112, 27078),

Gene: Cici_34 Start: 26758, Stop: 27183, Start Num: 53
Candidate Starts for Cici_34:
(Start: 53 @26758 has 116 MA's), (Start: 64 @26815 has 4 MA's), (66, 26827), (70, 26869), (72, 26884), (73, 26887), (74, 26893), (86, 26968), (91, 26989), (94, 27007), (100, 27040), (101, 27043), (104, 27064),

Gene: Cindaradix_33 Start: 26509, Stop: 26937, Start Num: 53
Candidate Starts for Cindaradix_33:
(Start: 53 @26509 has 116 MA's), (Start: 58 @26527 has 6 MA's), (Start: 61 @26551 has 4 MA's), (70, 26620), (72, 26635), (75, 26647), (87, 26725), (90, 26740), (92, 26749), (94, 26761), (99, 26788), (100, 26794),

Gene: Cintron_34 Start: 26776, Stop: 27201, Start Num: 53
Candidate Starts for Cintron_34:
(37, 26695), (44, 26746), (Start: 53 @26776 has 116 MA's), (Start: 55 @26782 has 2 MA's), (Start: 59 @26800 has 1 MA's), (Start: 64 @26833 has 4 MA's), (66, 26845), (70, 26887), (72, 26902), (86, 26986), (91, 27007), (92, 27013), (94, 27025), (100, 27058), (101, 27061), (130, 27184),

Gene: Citius_34 Start: 26725, Stop: 27150, Start Num: 53
Candidate Starts for Citius_34:

(37, 26644), (Start: 45 @26704 has 8 MA's), (Start: 53 @26725 has 116 MA's), (Start: 55 @26731 has 2 MA's), (Start: 59 @26749 has 1 MA's), (Start: 64 @26782 has 4 MA's), (66, 26794), (70, 26836), (72, 26851), (86, 26935), (91, 26956), (92, 26962), (94, 26974), (100, 27007), (101, 27010), (104, 27031),

Gene: Clarenza_34 Start: 26686, Stop: 27132, Start Num: 45
Candidate Starts for Clarenza_34:
(37, 26626), (Start: 45 @26686 has 8 MA's), (Start: 53 @26707 has 116 MA's), (Start: 55 @26713 has 2 MA's), (Start: 59 @26731 has 1 MA's), (Start: 64 @26764 has 4 MA's), (66, 26776), (70, 26818), (72, 26833), (86, 26917), (91, 26938), (92, 26944), (94, 26956), (100, 26989), (101, 26992), (104, 27013),

Gene: ClownCar_36 Start: 27014, Stop: 27451, Start Num: 51
Candidate Starts for ClownCar_36:
(4, 26771), (27, 26912), (Start: 51 @27014 has 177 MA's), (72, 27158), (81, 27200), (92, 27272), (94, 27284), (100, 27317), (110, 27371), (111, 27374),

Gene: Cocoaberry_34 Start: 26714, Stop: 27139, Start Num: 53
Candidate Starts for Cocoaberry_34:
(37, 26633), (Start: 45 @26693 has 8 MA's), (Start: 53 @26714 has 116 MA's), (Start: 55 @26720 has 2 MA's), (Start: 59 @26738 has 1 MA's), (Start: 64 @26771 has 4 MA's), (66, 26783), (70, 26825), (72, 26840), (86, 26924), (91, 26945), (92, 26951), (94, 26963), (100, 26996), (101, 26999), (104, 27020),

Gene: Colbster_37 Start: 27200, Stop: 27631, Start Num: 51
Candidate Starts for Colbster_37:
(22, 27086), (Start: 24 @27092 has 9 MA's), (Start: 51 @27200 has 177 MA's), (Start: 64 @27269 has 4 MA's), (72, 27338), (73, 27341), (82, 27389), (92, 27452), (94, 27464), (100, 27497), (101, 27500), (110, 27551), (111, 27554), (119, 27593),

Gene: Colin_38 Start: 28219, Stop: 28650, Start Num: 51
Candidate Starts for Colin_38:
(Start: 51 @28219 has 177 MA's), (69, 28330), (70, 28342), (72, 28363), (80, 28396), (90, 28462), (92, 28471), (94, 28483), (99, 28510), (100, 28516), (103, 28531), (110, 28570), (119, 28612), (127, 28627),

Gene: Commander_34 Start: 26631, Stop: 27077, Start Num: 51
Candidate Starts for Commander_34:
(Start: 51 @26631 has 177 MA's), (Start: 54 @26634 has 61 MA's), (56, 26640), (Start: 58 @26661 has 6 MA's), (67, 26727), (72, 26775), (73, 26778), (75, 26787), (81, 26817), (90, 26880), (92, 26889), (100, 26934),

Gene: Connomayer_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Connomayer_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Conspiracy_31 Start: 25853, Stop: 26272, Start Num: 50
Candidate Starts for Conspiracy_31:
(Start: 50 @25853 has 51 MA's), (Start: 64 @25910 has 4 MA's), (72, 25985), (91, 26093), (94, 26111), (99, 26138), (100, 26144), (101, 26147), (109, 26192), (111, 26201),

Gene: Croquant_38 Start: 27267, Stop: 27629, Start Num: 64
Candidate Starts for Croquant_38:

(22, 27084), (Start: 24 @27090 has 9 MA's), (Start: 51 @27198 has 177 MA's), (Start: 64 @27267 has 4 MA's), (72, 27336), (73, 27339), (82, 27387), (92, 27450), (94, 27462), (100, 27495), (101, 27498), (110, 27549), (111, 27552), (119, 27591),

Gene: Crucio_35 Start: 26780, Stop: 27217, Start Num: 51
Candidate Starts for Crucio_35:
(22, 26669), (33, 26693), (Start: 51 @26780 has 177 MA's), (Start: 64 @26849 has 4 MA's), (70, 26903), (72, 26918), (81, 26960), (82, 26969), (90, 27023), (92, 27032), (94, 27044), (100, 27077),

Gene: Cuco_31 Start: 25943, Stop: 26371, Start Num: 50
Candidate Starts for Cuco_31:
(Start: 50 @25943 has 51 MA's), (Start: 64 @26000 has 4 MA's), (72, 26075), (82, 26126), (91, 26183), (94, 26201), (99, 26228), (100, 26234), (101, 26237), (109, 26282), (111, 26291), (117, 26327),

Gene: Cullens_37 Start: 27199, Stop: 27630, Start Num: 51
Candidate Starts for Cullens_37:
(22, 27085), (Start: 24 @27091 has 9 MA's), (Start: 51 @27199 has 177 MA's), (Start: 64 @27268 has 4 MA's), (72, 27337), (73, 27340), (82, 27388), (92, 27451), (94, 27463), (100, 27496), (101, 27499), (110, 27550), (111, 27553), (119, 27592),

Gene: D29_34.1 Start: 26865, Stop: 27302, Start Num: 51
Candidate Starts for D29_34.1:
(Start: 51 @26865 has 177 MA's), (70, 26988), (72, 27003), (81, 27045), (82, 27054), (91, 27111), (94, 27129), (100, 27162), (101, 27165), (104, 27186),

Gene: D32_38 Start: 26865, Stop: 27302, Start Num: 51
Candidate Starts for D32_38:
(Start: 51 @26865 has 177 MA's), (70, 26988), (72, 27003), (81, 27045), (82, 27054), (91, 27111), (94, 27129), (100, 27162), (101, 27165), (104, 27186),

Gene: DBQu4n_38 Start: 26865, Stop: 27302, Start Num: 51
Candidate Starts for DBQu4n_38:
(Start: 51 @26865 has 177 MA's), (70, 26988), (72, 27003), (81, 27045), (82, 27054), (90, 27108), (91, 27111), (94, 27129), (100, 27162), (101, 27165),

Gene: DaHudson_37 Start: 27192, Stop: 27623, Start Num: 51
Candidate Starts for DaHudson_37:
(22, 27078), (Start: 24 @27084 has 9 MA's), (Start: 51 @27192 has 177 MA's), (Start: 64 @27261 has 4 MA's), (72, 27330), (73, 27333), (82, 27381), (92, 27444), (94, 27456), (100, 27489), (101, 27492), (110, 27543), (111, 27546), (119, 27585),

Gene: Daishi_36 Start: 26243, Stop: 26674, Start Num: 52
Candidate Starts for Daishi_36:
(35, 26159), (Start: 48 @26237 has 3 MA's), (Start: 52 @26243 has 12 MA's), (Start: 59 @26267 has 1 MA's), (70, 26354), (72, 26375), (73, 26378), (78, 26402), (86, 26462), (88, 26468), (91, 26483), (92, 26489), (98, 26531), (100, 26540), (101, 26543), (110, 26594), (111, 26597), (119, 26636),

Gene: Dalmatian_36 Start: 27148, Stop: 27585, Start Num: 51
Candidate Starts for Dalmatian_36:
(2, 26884), (22, 27037), (33, 27061), (Start: 51 @27148 has 177 MA's), (Start: 64 @27217 has 4 MA's), (70, 27271), (72, 27286), (81, 27328), (82, 27337), (90, 27391), (91, 27394), (92, 27400), (94, 27412), (100, 27445),

Gene: Danforth_30 Start: 25140, Stop: 25568, Start Num: 50
Candidate Starts for Danforth_30:
(13, 25002), (19, 25017), (28, 25041), (30, 25044), (Start: 50 @25140 has 51 MA's), (70, 25251), (72, 25272), (78, 25299), (80, 25305), (86, 25359), (87, 25362), (90, 25377), (93, 25389), (94, 25398), (99, 25425), (100, 25431), (101, 25434), (111, 25488),

Gene: DarthPhader_37 Start: 28677, Stop: 29096, Start Num: 50
Candidate Starts for DarthPhader_37:
(Start: 50 @28677 has 51 MA's), (Start: 59 @28701 has 1 MA's), (70, 28788), (72, 28809), (88, 28902), (90, 28914), (94, 28935), (99, 28962), (100, 28968), (110, 29022), (111, 29025),

Gene: Datway_34 Start: 26729, Stop: 27154, Start Num: 53
Candidate Starts for Datway_34:
(10, 26582), (21, 26606), (Start: 53 @26729 has 116 MA's), (Start: 55 @26735 has 2 MA's), (Start: 59 @26753 has 1 MA's), (Start: 64 @26786 has 4 MA's), (66, 26798), (70, 26840), (72, 26855), (86, 26939), (91, 26960), (94, 26978), (100, 27011), (101, 27014), (104, 27035),

Gene: Deano_34 Start: 26718, Stop: 27143, Start Num: 53
Candidate Starts for Deano_34:
(37, 26637), (Start: 45 @26697 has 8 MA's), (Start: 53 @26718 has 116 MA's), (Start: 55 @26724 has 2 MA's), (Start: 59 @26742 has 1 MA's), (Start: 64 @26775 has 4 MA's), (66, 26787), (70, 26829), (72, 26844), (86, 26928), (91, 26949), (92, 26955), (94, 26967), (100, 27000), (101, 27003), (104, 27024),

Gene: Dhanush_34 Start: 26713, Stop: 27138, Start Num: 53
Candidate Starts for Dhanush_34:
(37, 26632), (Start: 45 @26692 has 8 MA's), (Start: 53 @26713 has 116 MA's), (Start: 55 @26719 has 2 MA's), (Start: 59 @26737 has 1 MA's), (Start: 64 @26770 has 4 MA's), (66, 26782), (70, 26824), (72, 26839), (86, 26923), (91, 26944), (92, 26950), (94, 26962), (100, 26995), (101, 26998), (104, 27019),

Gene: Dieselweasel_37 Start: 27202, Stop: 27633, Start Num: 51
Candidate Starts for Dieselweasel_37:
(22, 27088), (Start: 24 @27094 has 9 MA's), (Start: 51 @27202 has 177 MA's), (Start: 64 @27271 has 4 MA's), (72, 27340), (73, 27343), (82, 27391), (92, 27454), (94, 27466), (100, 27499), (101, 27502), (110, 27553), (111, 27556), (119, 27595),

Gene: Dignity_36 Start: 27140, Stop: 27580, Start Num: 54
Candidate Starts for Dignity_36:
(Start: 54 @27140 has 61 MA's), (Start: 58 @27167 has 6 MA's), (69, 27248), (70, 27260), (72, 27281), (81, 27323), (82, 27332), (90, 27386), (91, 27389), (92, 27395), (94, 27407), (99, 27434), (100, 27440),

Gene: Dinger_30 Start: 24170, Stop: 24646, Start Num: 51
Candidate Starts for Dinger_30:
(Start: 51 @24170 has 177 MA's), (72, 24323), (73, 24326), (76, 24338), (78, 24350), (85, 24413), (87, 24419), (94, 24455), (107, 24530), (109, 24545), (110, 24551), (111, 24554),

Gene: DirtyDunning_34 Start: 26767, Stop: 27195, Start Num: 53
Candidate Starts for DirtyDunning_34:
(Start: 43 @26725 has 1 MA's), (Start: 53 @26767 has 116 MA's), (Start: 58 @26785 has 6 MA's), (Start: 61 @26809 has 4 MA's), (70, 26878), (72, 26893), (74, 26902), (75, 26905), (78, 26920), (87, 26983), (90, 26998), (92, 27007), (94, 27019), (99, 27046), (100, 27052),

Gene: Discoknowium_31 Start: 26062, Stop: 26481, Start Num: 50
Candidate Starts for Discoknowium_31:

(Start: 50 @26062 has 51 MA's), (Start: 64 @26119 has 4 MA's), (72, 26194), (91, 26302), (94, 26320), (99, 26347), (100, 26353), (101, 26356), (109, 26401), (111, 26410),

Gene: Dixon_31 Start: 25159, Stop: 25581, Start Num: 50
Candidate Starts for Dixon_31:
(13, 25021), (19, 25036), (28, 25060), (30, 25063), (Start: 50 @25159 has 51 MA's), (70, 25270), (72, 25291), (75, 25303), (78, 25318), (80, 25324), (86, 25378), (87, 25381), (90, 25396), (93, 25408), (94, 25417), (99, 25444), (100, 25450), (101, 25453), (111, 25507), (112, 25510), (115, 25531),

Gene: DontArgue_33 Start: 25569, Stop: 25997, Start Num: 53
Candidate Starts for DontArgue_33:
(Start: 53 @25569 has 116 MA's), (Start: 59 @25593 has 1 MA's), (62, 25614), (70, 25680), (72, 25695), (75, 25707), (91, 25803), (92, 25809), (94, 25821), (99, 25848), (100, 25854), (124, 25962),

Gene: Drake55_37 Start: 27281, Stop: 27718, Start Num: 51
Candidate Starts for Drake55_37:
(36, 27200), (Start: 51 @27281 has 177 MA's), (70, 27404), (72, 27419), (81, 27461), (82, 27470), (90, 27524), (100, 27578),

Gene: Drake94_33 Start: 25538, Stop: 25972, Start Num: 53
Candidate Starts for Drake94_33:
(Start: 53 @25538 has 116 MA's), (70, 25649), (72, 25664), (73, 25667), (75, 25676), (87, 25754), (92, 25778), (94, 25790), (100, 25823), (101, 25826),

Gene: DreamTeam1_34 Start: 26395, Stop: 26820, Start Num: 49
Candidate Starts for DreamTeam1_34:
(Start: 49 @26395 has 4 MA's), (Start: 59 @26419 has 1 MA's), (70, 26506), (72, 26527), (78, 26554), (88, 26620), (90, 26632), (94, 26653), (100, 26686), (110, 26740), (111, 26743),

Gene: DropBear_34 Start: 26775, Stop: 27200, Start Num: 51
Candidate Starts for DropBear_34:
(22, 26661), (Start: 24 @26667 has 9 MA's), (Start: 46 @26760 has 3 MA's), (Start: 51 @26775 has 177 MA's), (72, 26913), (90, 27018), (91, 27021), (92, 27027), (94, 27039), (100, 27072), (101, 27075), (111, 27129), (119, 27162),

Gene: Druantia_34 Start: 26713, Stop: 27138, Start Num: 53
Candidate Starts for Druantia_34:
(10, 26566), (21, 26590), (37, 26632), (Start: 45 @26692 has 8 MA's), (Start: 53 @26713 has 116 MA's), (Start: 55 @26719 has 2 MA's), (Start: 59 @26737 has 1 MA's), (Start: 64 @26770 has 4 MA's), (66, 26782), (70, 26824), (72, 26839), (86, 26923), (91, 26944), (92, 26950), (94, 26962), (100, 26995), (101, 26998), (104, 27019),

Gene: Dublin_30 Start: 25912, Stop: 26340, Start Num: 50
Candidate Starts for Dublin_30:
(Start: 50 @25912 has 51 MA's), (Start: 64 @25969 has 4 MA's), (72, 26044), (82, 26095), (91, 26152), (94, 26170), (99, 26197), (100, 26203), (101, 26206), (109, 26251), (111, 26260), (117, 26296),

Gene: DudeLittle_34 Start: 26868, Stop: 27251, Start Num: 61
Candidate Starts for DudeLittle_34:
(Start: 54 @26817 has 61 MA's), (Start: 61 @26868 has 4 MA's), (72, 26952), (81, 26994), (90, 27057), (92, 27066), (94, 27078), (100, 27111),

Gene: Duplo_38 Start: 26903, Stop: 27340, Start Num: 51

Candidate Starts for Duplo_38:
(Start: 51 @26903 has 177 MA's), (70, 27026), (72, 27041), (81, 27083), (82, 27092), (90, 27146), (91, 27149), (94, 27167), (100, 27200), (101, 27203),

Gene: Eagle_33 Start: 26657, Stop: 27100, Start Num: 54
Candidate Starts for Eagle_33:
(Start: 51 @26654 has 177 MA's), (Start: 54 @26657 has 61 MA's), (56, 26663), (Start: 58 @26684 has 6 MA's), (67, 26750), (72, 26798), (73, 26801), (75, 26810), (81, 26840), (90, 26903), (92, 26912), (100, 26957),

Gene: Eaglepride_36 Start: 26923, Stop: 27351, Start Num: 54
Candidate Starts for Eaglepride_36:
(38, 26851), (Start: 54 @26923 has 61 MA's), (Start: 61 @26962 has 4 MA's), (70, 27031), (72, 27046), (75, 27058), (91, 27151), (92, 27157), (94, 27169), (100, 27202), (112, 27262),

Gene: Eapen_34 Start: 26708, Stop: 27133, Start Num: 53
Candidate Starts for Eapen_34:
(37, 26627), (Start: 45 @26687 has 8 MA's), (Start: 53 @26708 has 116 MA's), (Start: 55 @26714 has 2 MA's), (Start: 59 @26732 has 1 MA's), (Start: 64 @26765 has 4 MA's), (66, 26777), (70, 26819), (72, 26834), (86, 26918), (91, 26939), (92, 26945), (94, 26957), (100, 26990), (101, 26993), (104, 27014),

Gene: Edison31_35 Start: 26953, Stop: 27378, Start Num: 54
Candidate Starts for Edison31_35:
(38, 26881), (Start: 54 @26953 has 61 MA's), (70, 27058), (72, 27073), (75, 27085), (91, 27178), (92, 27184), (94, 27196), (100, 27229), (109, 27277), (124, 27337),

Gene: ElTiger69_32 Start: 25651, Stop: 26070, Start Num: 50
Candidate Starts for ElTiger69_32:
(Start: 50 @25651 has 51 MA's), (66, 25720), (67, 25735), (70, 25762), (72, 25783), (88, 25876), (91, 25891), (94, 25909), (99, 25936), (100, 25942), (101, 25945), (109, 25990), (111, 25999),

Gene: EpicPhail_37 Start: 27200, Stop: 27631, Start Num: 51
Candidate Starts for EpicPhail_37:
(22, 27086), (Start: 24 @27092 has 9 MA's), (Start: 51 @27200 has 177 MA's), (Start: 64 @27269 has 4 MA's), (72, 27338), (73, 27341), (82, 27389), (92, 27452), (94, 27464), (100, 27497), (101, 27500), (110, 27551), (111, 27554), (119, 27593),

Gene: Equemioh13_36 Start: 27224, Stop: 27658, Start Num: 54
Candidate Starts for Equemioh13_36:
(40, 27158), (Start: 54 @27224 has 61 MA's), (Start: 61 @27275 has 4 MA's), (70, 27344), (72, 27359), (76, 27374), (81, 27401), (82, 27410), (90, 27464), (100, 27518), (101, 27521),

Gene: Erik_30 Start: 24184, Stop: 24660, Start Num: 51
Candidate Starts for Erik_30:
(Start: 51 @24184 has 177 MA's), (57, 24199), (72, 24337), (73, 24340), (76, 24352), (78, 24364), (85, 24427), (87, 24433), (94, 24469), (107, 24544), (110, 24565), (111, 24568), (116, 24601),

Gene: Eris_33 Start: 26689, Stop: 27135, Start Num: 45
Candidate Starts for Eris_33:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Eros_34 Start: 26712, Stop: 27137, Start Num: 53
Candidate Starts for Eros_34:
(10, 26565), (21, 26589), (37, 26631), (Start: 45 @26691 has 8 MA's), (Start: 53 @26712 has 116 MA's), (Start: 55 @26718 has 2 MA's), (Start: 59 @26736 has 1 MA's), (Start: 64 @26769 has 4 MA's), (66, 26781), (70, 26823), (72, 26838), (86, 26922), (91, 26943), (92, 26949), (94, 26961), (100, 26994), (101, 26997), (104, 27018),

Gene: Espica_30 Start: 24187, Stop: 24663, Start Num: 51
Candidate Starts for Espica_30:
(Start: 51 @24187 has 177 MA's), (72, 24340), (73, 24343), (76, 24355), (78, 24367), (85, 24430), (87, 24436), (94, 24472), (107, 24547), (110, 24568), (111, 24571), (116, 24604),

Gene: Eurydice_34 Start: 26629, Stop: 27075, Start Num: 51
Candidate Starts for Eurydice_34:
(Start: 51 @26629 has 177 MA's), (Start: 54 @26632 has 61 MA's), (56, 26638), (Start: 58 @26659 has 6 MA's), (67, 26725), (72, 26773), (73, 26776), (75, 26785), (81, 26815), (90, 26878), (92, 26887), (100, 26932),

Gene: EvilGenius_37 Start: 28515, Stop: 28955, Start Num: 54
Candidate Starts for EvilGenius_37:
(Start: 54 @28515 has 61 MA's), (Start: 58 @28542 has 6 MA's), (69, 28623), (70, 28635), (72, 28656), (81, 28698), (82, 28707), (90, 28761), (91, 28764), (92, 28770), (94, 28782), (99, 28809), (100, 28815),

Gene: Expelliarmus_30 Start: 25126, Stop: 25554, Start Num: 50
Candidate Starts for Expelliarmus_30:
(13, 24988), (19, 25003), (28, 25027), (30, 25030), (Start: 50 @25126 has 51 MA's), (70, 25237), (72, 25258), (75, 25270), (78, 25285), (80, 25291), (86, 25345), (87, 25348), (90, 25363), (93, 25375), (94, 25384), (99, 25411), (100, 25417), (101, 25420), (111, 25474),

Gene: Fameo_35 Start: 26939, Stop: 27373, Start Num: 54
Candidate Starts for Fameo_35:
(Start: 54 @26939 has 61 MA's), (Start: 61 @26990 has 4 MA's), (72, 27074), (81, 27116), (90, 27179), (92, 27188), (94, 27200), (100, 27233),

Gene: Farber_37 Start: 27193, Stop: 27624, Start Num: 51
Candidate Starts for Farber_37:
(22, 27079), (Start: 24 @27085 has 9 MA's), (Start: 51 @27193 has 177 MA's), (Start: 64 @27262 has 4 MA's), (72, 27331), (73, 27334), (82, 27382), (92, 27445), (94, 27457), (100, 27490), (101, 27493), (110, 27544), (111, 27547), (119, 27586),

Gene: FatCactus_33 Start: 25294, Stop: 25695, Start Num: 60
Candidate Starts for FatCactus_33:
(Start: 50 @25261 has 51 MA's), (Start: 59 @25285 has 1 MA's), (Start: 60 @25294 has 1 MA's), (65, 25327), (70, 25372), (76, 25408), (90, 25498), (93, 25510), (94, 25519), (106, 25582), (108, 25591), (110, 25606), (111, 25609), (117, 25648), (122, 25657), (129, 25678),

Gene: Fernando_37 Start: 27199, Stop: 27630, Start Num: 51
Candidate Starts for Fernando_37:
(22, 27085), (Start: 24 @27091 has 9 MA's), (Start: 51 @27199 has 177 MA's), (Start: 64 @27268 has 4 MA's), (72, 27337), (73, 27340), (82, 27388), (92, 27451), (94, 27463), (100, 27496), (101, 27499), (110, 27550), (111, 27553), (119, 27592),

Gene: FiringLine_35 Start: 26764, Stop: 27198, Start Num: 54

Candidate Starts for FiringLine_35:
(Start: 54 @26764 has 61 MA's), (72, 26899), (81, 26941), (90, 27004), (92, 27013), (94, 27025), (100, 27058),

Gene: Flare16_35 Start: 26893, Stop: 27330, Start Num: 51
Candidate Starts for Flare16_35:
(22, 26782), (33, 26806), (Start: 51 @26893 has 177 MA's), (Start: 64 @26962 has 4 MA's), (70, 27016), (72, 27031), (81, 27073), (82, 27082), (90, 27136), (92, 27145), (100, 27190), (101, 27193),

Gene: Florean_34 Start: 26709, Stop: 27134, Start Num: 53
Candidate Starts for Florean_34:
(10, 26562), (21, 26586), (37, 26628), (Start: 45 @26688 has 8 MA's), (Start: 53 @26709 has 116 MA's), (Start: 55 @26715 has 2 MA's), (Start: 59 @26733 has 1 MA's), (Start: 64 @26766 has 4 MA's), (66, 26778), (70, 26820), (72, 26835), (86, 26919), (91, 26940), (92, 26946), (94, 26958), (100, 26991), (101, 26994), (104, 27015),

Gene: Florence1_31 Start: 25735, Stop: 26163, Start Num: 50
Candidate Starts for Florence1_31:
(Start: 50 @25735 has 51 MA's), (Start: 64 @25792 has 4 MA's), (72, 25867), (82, 25918), (91, 25975), (94, 25993), (99, 26020), (100, 26026), (101, 26029), (109, 26074), (111, 26083), (117, 26119),

Gene: Florence4_32 Start: 25735, Stop: 26163, Start Num: 50
Candidate Starts for Florence4_32:
(Start: 50 @25735 has 51 MA's), (Start: 64 @25792 has 4 MA's), (72, 25867), (82, 25918), (91, 25975), (94, 25993), (99, 26020), (100, 26026), (101, 26029), (109, 26074), (111, 26083), (117, 26119),

Gene: Flux_34 Start: 26712, Stop: 27137, Start Num: 53
Candidate Starts for Flux_34:
(37, 26631), (Start: 53 @26712 has 116 MA's), (Start: 55 @26718 has 2 MA's), (Start: 59 @26736 has 1 MA's), (Start: 64 @26769 has 4 MA's), (66, 26781), (70, 26823), (72, 26838), (86, 26922), (91, 26943), (92, 26949), (94, 26961), (100, 26994), (101, 26997), (104, 27018),

Gene: ForGetIt_31 Start: 25878, Stop: 26297, Start Num: 50
Candidate Starts for ForGetIt_31:
(Start: 50 @25878 has 51 MA's), (Start: 64 @25935 has 4 MA's), (72, 26010), (91, 26118), (94, 26136), (99, 26163), (100, 26169), (101, 26172), (109, 26217), (111, 26226),

Gene: Fred313_34 Start: 26445, Stop: 26885, Start Num: 46
Candidate Starts for Fred313_34:
(22, 26346), (Start: 24 @26352 has 9 MA's), (Start: 46 @26445 has 3 MA's), (Start: 51 @26460 has 177 MA's), (72, 26598), (90, 26703), (91, 26706), (92, 26712), (94, 26724), (100, 26757), (101, 26760), (111, 26814), (119, 26847),

Gene: Funston_34 Start: 26689, Stop: 27135, Start Num: 45
Candidate Starts for Funston_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Gadost_34 Start: 26714, Stop: 27139, Start Num: 53
Candidate Starts for Gadost_34:
(37, 26633), (Start: 45 @26693 has 8 MA's), (Start: 53 @26714 has 116 MA's), (Start: 55 @26720 has 2 MA's), (Start: 59 @26738 has 1 MA's), (Start: 64 @26771 has 4 MA's), (66, 26783), (70, 26825), (72,

26840), (86, 26924), (91, 26945), (92, 26951), (94, 26963), (100, 26996), (101, 26999), (104, 27020),

Gene: GaugeLDP_36 Start: 27572, Stop: 28009, Start Num: 51
Candidate Starts for GaugeLDP_36:
(36, 27491), (Start: 51 @27572 has 177 MA's), (72, 27710), (81, 27752), (82, 27761), (90, 27815), (91, 27818), (92, 27824), (100, 27869), (101, 27872), (109, 27917),

Gene: Gemma_36 Start: 27018, Stop: 27455, Start Num: 51
Candidate Starts for Gemma_36:
(27, 26916), (Start: 51 @27018 has 177 MA's), (72, 27162), (81, 27204), (92, 27276), (94, 27288), (100, 27321), (101, 27324), (110, 27375), (111, 27378),

Gene: George_30 Start: 25944, Stop: 26372, Start Num: 50
Candidate Starts for George_30:
(Start: 50 @25944 has 51 MA's), (Start: 64 @26001 has 4 MA's), (72, 26076), (82, 26127), (91, 26184), (94, 26202), (99, 26229), (100, 26235), (101, 26238), (109, 26283), (111, 26292), (117, 26328),

Gene: Georgie2_36 Start: 26809, Stop: 27243, Start Num: 54
Candidate Starts for Georgie2_36:
(Start: 54 @26809 has 61 MA's), (72, 26944), (81, 26986), (90, 27049), (92, 27058), (94, 27070), (100, 27103),

Gene: Ghoulboy_31 Start: 26193, Stop: 26615, Start Num: 50
Candidate Starts for Ghoulboy_31:
(Start: 50 @26193 has 51 MA's), (Start: 61 @26235 has 4 MA's), (Start: 64 @26250 has 4 MA's), (72, 26325), (82, 26376), (91, 26433), (99, 26478), (100, 26484), (101, 26487), (109, 26532), (111, 26541),

Gene: GingkoMaracino_37 Start: 27086, Stop: 27517, Start Num: 51
Candidate Starts for GingkoMaracino_37:
(22, 26972), (Start: 24 @26978 has 9 MA's), (Start: 51 @27086 has 177 MA's), (Start: 64 @27155 has 4 MA's), (72, 27224), (73, 27227), (82, 27275), (92, 27338), (94, 27350), (100, 27383), (101, 27386), (110, 27437), (111, 27440), (119, 27479),

Gene: Giroux_35 Start: 26707, Stop: 27132, Start Num: 51
Candidate Starts for Giroux_35:
(22, 26593), (Start: 24 @26599 has 9 MA's), (Start: 46 @26692 has 3 MA's), (Start: 51 @26707 has 177 MA's), (72, 26845), (90, 26950), (91, 26953), (92, 26959), (94, 26971), (100, 27004), (101, 27007), (111, 27061), (119, 27094),

Gene: Gollum_30 Start: 24186, Stop: 24662, Start Num: 51
Candidate Starts for Gollum_30:
(Start: 51 @24186 has 177 MA's), (57, 24201), (72, 24339), (73, 24342), (76, 24354), (78, 24366), (85, 24429), (87, 24435), (94, 24471), (107, 24546), (110, 24567), (111, 24570), (116, 24603),

Gene: Goose_35 Start: 26546, Stop: 26962, Start Num: 54
Candidate Starts for Goose_35:
(38, 26474), (Start: 54 @26546 has 61 MA's), (Start: 61 @26582 has 4 MA's), (70, 26651), (72, 26666), (75, 26678), (91, 26771), (92, 26777), (94, 26789), (100, 26822), (112, 26882),

Gene: Gratitude_36 Start: 27275, Stop: 27658, Start Num: 61
Candidate Starts for Gratitude_36:
(40, 27158), (Start: 54 @27224 has 61 MA's), (Start: 61 @27275 has 4 MA's), (70, 27344), (72, 27359), (76, 27374), (81, 27401), (82, 27410), (90, 27464), (100, 27518), (101, 27521),

Gene: Grif_37 Start: 27274, Stop: 27705, Start Num: 51
Candidate Starts for Grif_37:
(22, 27160), (Start: 24 @27166 has 9 MA's), (Start: 51 @27274 has 177 MA's), (72, 27412), (73, 27415), (82, 27463), (92, 27526), (94, 27538), (100, 27571), (101, 27574), (110, 27625), (111, 27628), (119, 27667),

Gene: Groundhog_30 Start: 25130, Stop: 25552, Start Num: 50
Candidate Starts for Groundhog_30:
(13, 24989), (19, 25004), (28, 25028), (30, 25031), (31, 25034), (Start: 50 @25130 has 51 MA's), (Start: 64 @25187 has 4 MA's), (70, 25241), (72, 25262), (75, 25274), (78, 25289), (80, 25295), (86, 25349), (87, 25352), (90, 25367), (93, 25379), (94, 25388), (99, 25415), (100, 25421), (101, 25424), (111, 25478), (112, 25481), (115, 25502),

Gene: Groupthink_37 Start: 27022, Stop: 27459, Start Num: 51
Candidate Starts for Groupthink_37:
(27, 26920), (Start: 51 @27022 has 177 MA's), (72, 27166), (81, 27208), (92, 27280), (94, 27292), (100, 27325), (101, 27328), (110, 27379), (111, 27382),

Gene: Grub_37 Start: 27192, Stop: 27623, Start Num: 51
Candidate Starts for Grub_37:
(22, 27078), (Start: 24 @27084 has 9 MA's), (Start: 51 @27192 has 177 MA's), (Start: 64 @27261 has 4 MA's), (72, 27330), (73, 27333), (82, 27381), (92, 27444), (94, 27456), (100, 27489), (101, 27492), (110, 27543), (111, 27546), (119, 27585),

Gene: Grum1_37 Start: 27091, Stop: 27630, Start Num: 24
Candidate Starts for Grum1_37:
(22, 27085), (Start: 24 @27091 has 9 MA's), (Start: 51 @27199 has 177 MA's), (Start: 64 @27268 has 4 MA's), (72, 27337), (73, 27340), (82, 27388), (92, 27451), (94, 27463), (100, 27496), (101, 27499), (110, 27550), (111, 27553), (119, 27592),

Gene: GtownJaz_37 Start: 27201, Stop: 27632, Start Num: 51
Candidate Starts for GtownJaz_37:
(22, 27087), (Start: 24 @27093 has 9 MA's), (Start: 51 @27201 has 177 MA's), (Start: 64 @27270 has 4 MA's), (72, 27339), (73, 27342), (82, 27390), (92, 27453), (94, 27465), (100, 27498), (101, 27501), (110, 27552), (111, 27555), (119, 27594),

Gene: Gwennie_37 Start: 27200, Stop: 27631, Start Num: 51
Candidate Starts for Gwennie_37:
(22, 27086), (Start: 24 @27092 has 9 MA's), (Start: 51 @27200 has 177 MA's), (Start: 64 @27269 has 4 MA's), (72, 27338), (73, 27341), (82, 27389), (92, 27452), (94, 27464), (100, 27497), (101, 27500), (110, 27551), (111, 27554), (119, 27593),

Gene: HamSlice_33 Start: 26708, Stop: 27133, Start Num: 53
Candidate Starts for HamSlice_33:
(37, 26627), (Start: 45 @26687 has 8 MA's), (Start: 53 @26708 has 116 MA's), (Start: 55 @26714 has 2 MA's), (Start: 59 @26732 has 1 MA's), (Start: 64 @26765 has 4 MA's), (66, 26777), (70, 26819), (72, 26834), (86, 26918), (91, 26939), (92, 26945), (94, 26957), (100, 26990), (101, 26993), (104, 27014), (130, 27116),

Gene: Happiness_34 Start: 26715, Stop: 27140, Start Num: 53
Candidate Starts for Happiness_34:

(37, 26634), (Start: 45 @26694 has 8 MA's), (Start: 53 @26715 has 116 MA's), (Start: 55 @26721 has 2 MA's), (Start: 59 @26739 has 1 MA's), (Start: 64 @26772 has 4 MA's), (66, 26784), (70, 26826), (72, 26841), (86, 26925), (91, 26946), (92, 26952), (94, 26964), (100, 26997), (101, 27000), (104, 27021),

Gene: Harlequin_30 Start: 24191, Stop: 24667, Start Num: 51
Candidate Starts for Harlequin_30:
(Start: 51 @24191 has 177 MA's), (72, 24344), (73, 24347), (76, 24359), (78, 24371), (85, 24434), (87, 24440), (94, 24476), (107, 24551), (110, 24572), (111, 24575),

Gene: HarryHoudini_37 Start: 27323, Stop: 27757, Start Num: 54
Candidate Starts for HarryHoudini_37:
(40, 27257), (Start: 54 @27323 has 61 MA's), (Start: 61 @27374 has 4 MA's), (72, 27458), (81, 27500), (82, 27509), (90, 27563), (92, 27572), (94, 27584), (100, 27617), (101, 27620),

Gene: HashRod_38 Start: 27402, Stop: 27833, Start Num: 52
Candidate Starts for HashRod_38:
(35, 27318), (Start: 48 @27396 has 3 MA's), (Start: 52 @27402 has 12 MA's), (Start: 59 @27426 has 1 MA's), (70, 27513), (72, 27534), (73, 27537), (78, 27561), (86, 27621), (88, 27627), (91, 27642), (92, 27648), (98, 27690), (100, 27699), (101, 27702), (110, 27753), (111, 27756), (119, 27795),

Gene: HaveUMetTed_37 Start: 27015, Stop: 27452, Start Num: 51
Candidate Starts for HaveUMetTed_37:
(27, 26913), (Start: 51 @27015 has 177 MA's), (72, 27159), (81, 27201), (92, 27273), (100, 27318), (101, 27321), (110, 27372), (111, 27375),

Gene: Heffalump_36 Start: 28094, Stop: 28525, Start Num: 51
Candidate Starts for Heffalump_36:
(Start: 51 @28094 has 177 MA's), (66, 28163), (70, 28205), (72, 28226), (81, 28268), (82, 28277), (90, 28331), (91, 28334), (92, 28340), (94, 28352), (100, 28385),

Gene: HelDan_34 Start: 26753, Stop: 27193, Start Num: 46
Candidate Starts for HelDan_34:
(22, 26654), (Start: 24 @26660 has 9 MA's), (Start: 46 @26753 has 3 MA's), (Start: 51 @26768 has 177 MA's), (72, 26906), (90, 27011), (91, 27014), (92, 27020), (94, 27032), (100, 27065), (101, 27068), (111, 27122), (119, 27155),

Gene: Heliosoles_36 Start: 27022, Stop: 27459, Start Num: 51
Candidate Starts for Heliosoles_36:
(27, 26920), (Start: 51 @27022 has 177 MA's), (72, 27166), (81, 27208), (92, 27280), (94, 27292), (100, 27325), (101, 27328), (110, 27379), (111, 27382),

Gene: Hercules11_37 Start: 27100, Stop: 27639, Start Num: 24
Candidate Starts for Hercules11_37:
(22, 27094), (Start: 24 @27100 has 9 MA's), (Start: 51 @27208 has 177 MA's), (Start: 64 @27277 has 4 MA's), (72, 27346), (73, 27349), (82, 27397), (92, 27460), (94, 27472), (100, 27505), (101, 27508), (110, 27559), (111, 27562), (119, 27601),

Gene: HippoHollow_34 Start: 28095, Stop: 28544, Start Num: 48
Candidate Starts for HippoHollow_34:
(Start: 48 @28095 has 3 MA's), (Start: 52 @28101 has 12 MA's), (Start: 54 @28104 has 61 MA's), (69, 28212), (70, 28224), (72, 28245), (81, 28287), (82, 28296), (89, 28341), (90, 28350), (94, 28371), (100, 28404),

Gene: Hiro_30 Start: 24446, Stop: 24922, Start Num: 51
Candidate Starts for Hiro_30:
(Start: 51 @24446 has 177 MA's), (72, 24599), (73, 24602), (76, 24614), (78, 24626), (85, 24689), (87, 24695), (94, 24731), (107, 24806), (110, 24827), (111, 24830),

Gene: Holli_34 Start: 26500, Stop: 26925, Start Num: 53
Candidate Starts for Holli_34:
(37, 26419), (Start: 45 @26479 has 8 MA's), (Start: 53 @26500 has 116 MA's), (Start: 55 @26506 has 2 MA's), (Start: 59 @26524 has 1 MA's), (Start: 64 @26557 has 4 MA's), (66, 26569), (70, 26611), (72, 26626), (86, 26710), (91, 26731), (92, 26737), (94, 26749), (100, 26782), (101, 26785), (104, 26806),

Gene: Houdini22_34 Start: 26714, Stop: 27139, Start Num: 53
Candidate Starts for Houdini22_34:
(37, 26633), (Start: 45 @26693 has 8 MA's), (Start: 53 @26714 has 116 MA's), (Start: 55 @26720 has 2 MA's), (Start: 59 @26738 has 1 MA's), (Start: 64 @26771 has 4 MA's), (66, 26783), (70, 26825), (72, 26840), (86, 26924), (91, 26945), (92, 26951), (94, 26963), (100, 26996), (101, 26999), (104, 27020),

Gene: HuhtaEnerson15_31 Start: 25944, Stop: 26363, Start Num: 50
Candidate Starts for HuhtaEnerson15_31:
(Start: 50 @25944 has 51 MA's), (Start: 64 @26001 has 4 MA's), (72, 26076), (82, 26127), (91, 26184), (99, 26229), (100, 26235), (101, 26238), (109, 26283), (111, 26292),

Gene: Huxley_34 Start: 26771, Stop: 27196, Start Num: 53
Candidate Starts for Huxley_34:
(37, 26690), (Start: 45 @26750 has 8 MA's), (Start: 53 @26771 has 116 MA's), (Start: 55 @26777 has 2 MA's), (Start: 59 @26795 has 1 MA's), (Start: 64 @26828 has 4 MA's), (66, 26840), (70, 26882), (72, 26897), (86, 26981), (91, 27002), (92, 27008), (94, 27020), (100, 27053), (101, 27056), (104, 27077),

Gene: ICleared_34 Start: 26760, Stop: 27188, Start Num: 53
Candidate Starts for ICleared_34:
(Start: 43 @26718 has 1 MA's), (Start: 53 @26760 has 116 MA's), (Start: 58 @26778 has 6 MA's), (Start: 61 @26802 has 4 MA's), (70, 26871), (72, 26886), (74, 26895), (75, 26898), (78, 26913), (87, 26976), (91, 26994), (92, 27000), (94, 27012), (97, 27036), (99, 27039), (100, 27045),

Gene: Iceman_35 Start: 26999, Stop: 27424, Start Num: 53
Candidate Starts for Iceman_35:
(37, 26918), (Start: 45 @26978 has 8 MA's), (Start: 53 @26999 has 116 MA's), (Start: 55 @27005 has 2 MA's), (Start: 59 @27023 has 1 MA's), (Start: 64 @27056 has 4 MA's), (66, 27068), (70, 27110), (72, 27125), (86, 27209), (91, 27230), (92, 27236), (94, 27248), (100, 27281), (101, 27284), (104, 27305),

Gene: Idleandcovert_34 Start: 26693, Stop: 27133, Start Num: 46
Candidate Starts for Idleandcovert_34:
(22, 26594), (Start: 24 @26600 has 9 MA's), (Start: 46 @26693 has 3 MA's), (Start: 51 @26708 has 177 MA's), (72, 26846), (90, 26951), (91, 26954), (92, 26960), (94, 26972), (100, 27005), (101, 27008), (111, 27062), (119, 27095),

Gene: Iracema64_35 Start: 27082, Stop: 27510, Start Num: 53
Candidate Starts for Iracema64_35:
(Start: 43 @27040 has 1 MA's), (Start: 53 @27082 has 116 MA's), (Start: 58 @27100 has 6 MA's), (Start: 61 @27124 has 4 MA's), (70, 27193), (72, 27208), (74, 27217), (75, 27220), (78, 27235), (87, 27298), (91, 27316), (92, 27322), (94, 27334), (97, 27358), (99, 27361), (100, 27367),

Gene: IronMan_37 Start: 28412, Stop: 28852, Start Num: 54

Candidate Starts for IronMan_37:
(Start: 54 @28412 has 61 MA's), (69, 28520), (70, 28532), (72, 28553), (81, 28595), (82, 28604), (90, 28658), (94, 28679), (100, 28712),

Gene: Isca_34 Start: 26477, Stop: 26902, Start Num: 51
Candidate Starts for Isca_34:
(Start: 51 @26477 has 177 MA's), (Start: 54 @26480 has 61 MA's), (70, 26600), (72, 26615), (90, 26720), (92, 26729), (94, 26741), (100, 26774), (110, 26828), (111, 26831), (119, 26864),

Gene: Iwokeuplikedis_35 Start: 26592, Stop: 27026, Start Num: 54
Candidate Starts for Iwokeuplikedis_35:
(22, 26475), (Start: 24 @26481 has 9 MA's), (Start: 54 @26592 has 61 MA's), (72, 26727), (75, 26739), (81, 26769), (82, 26778), (83, 26784), (89, 26823), (90, 26832), (94, 26853), (100, 26886), (101, 26889),

Gene: JF2_34 Start: 26228, Stop: 26653, Start Num: 51
Candidate Starts for JF2_34:
(Start: 51 @26228 has 177 MA's), (Start: 54 @26231 has 61 MA's), (70, 26351), (72, 26366), (90, 26471), (92, 26480), (94, 26492), (100, 26525), (110, 26579), (111, 26582), (119, 26615),

Gene: JF4_34 Start: 26228, Stop: 26653, Start Num: 51
Candidate Starts for JF4_34:
(Start: 51 @26228 has 177 MA's), (Start: 54 @26231 has 61 MA's), (70, 26351), (72, 26366), (90, 26471), (92, 26480), (94, 26492), (100, 26525), (110, 26579), (111, 26582), (119, 26615),

Gene: JHC117_37 Start: 27198, Stop: 27629, Start Num: 51
Candidate Starts for JHC117_37:
(22, 27084), (Start: 24 @27090 has 9 MA's), (Start: 51 @27198 has 177 MA's), (Start: 64 @27267 has 4 MA's), (72, 27336), (73, 27339), (82, 27387), (92, 27450), (94, 27462), (100, 27495), (101, 27498), (110, 27549), (111, 27552), (119, 27591),

Gene: Jaan_38 Start: 28850, Stop: 29293, Start Num: 51
Candidate Starts for Jaan_38:
(Start: 51 @28850 has 177 MA's), (Start: 54 @28853 has 61 MA's), (56, 28859), (72, 28994), (81, 29036), (82, 29045), (87, 29084), (89, 29090), (90, 29099), (94, 29120), (100, 29153), (124, 29261),

Gene: Jabiru_32 Start: 25700, Stop: 26119, Start Num: 50
Candidate Starts for Jabiru_32:
(Start: 50 @25700 has 51 MA's), (66, 25769), (67, 25784), (70, 25811), (72, 25832), (88, 25925), (91, 25940), (94, 25958), (99, 25985), (100, 25991), (101, 25994), (109, 26039), (111, 26048),

Gene: Jace_93 Start: 53019, Stop: 52444, Start Num: 50
Candidate Starts for Jace_93:
(16, 53154), (Start: 50 @53019 has 51 MA's), (66, 52926), (69, 52896), (72, 52863), (76, 52848), (84, 52806), (102, 52686), (103, 52683), (105, 52671), (108, 52659), (110, 52644), (131, 52551), (132, 52536), (133, 52461),

Gene: Jaykayelowell_34 Start: 26712, Stop: 27131, Start Num: 55
Candidate Starts for Jaykayelowell_34:
(37, 26625), (Start: 45 @26685 has 8 MA's), (Start: 53 @26706 has 116 MA's), (Start: 55 @26712 has 2 MA's), (Start: 59 @26730 has 1 MA's), (Start: 64 @26763 has 4 MA's), (66, 26775), (70, 26817), (72, 26832), (86, 26916), (91, 26937), (92, 26943), (94, 26955), (100, 26988), (101, 26991), (104, 27012),

Gene: JenCasNa_37 Start: 27268, Stop: 27630, Start Num: 64
Candidate Starts for JenCasNa_37:
(22, 27085), (Start: 24 @27091 has 9 MA's), (Start: 51 @27199 has 177 MA's), (Start: 64 @27268 has 4 MA's), (72, 27337), (73, 27340), (82, 27388), (92, 27451), (94, 27463), (100, 27496), (101, 27499), (110, 27550), (111, 27553), (119, 27592),

Gene: JeppNRM_37 Start: 27021, Stop: 27458, Start Num: 51
Candidate Starts for JeppNRM_37:
(27, 26919), (Start: 51 @27021 has 177 MA's), (72, 27165), (81, 27207), (92, 27279), (94, 27291), (100, 27324), (101, 27327), (110, 27378), (111, 27381),

Gene: Jerm_36 Start: 27133, Stop: 27573, Start Num: 54
Candidate Starts for Jerm_36:
(Start: 54 @27133 has 61 MA's), (Start: 58 @27160 has 6 MA's), (69, 27241), (70, 27253), (72, 27274), (81, 27316), (82, 27325), (90, 27379), (91, 27382), (92, 27388), (94, 27400), (99, 27427), (100, 27433), (125, 27544),

Gene: Jester_30 Start: 24122, Stop: 24598, Start Num: 51
Candidate Starts for Jester_30:
(Start: 51 @24122 has 177 MA's), (72, 24275), (73, 24278), (76, 24290), (78, 24302), (85, 24365), (87, 24371), (94, 24407), (107, 24482), (110, 24503), (111, 24506),

Gene: JetBlade_34 Start: 26707, Stop: 27132, Start Num: 53
Candidate Starts for JetBlade_34:
(37, 26626), (Start: 45 @26686 has 8 MA's), (Start: 53 @26707 has 116 MA's), (Start: 55 @26713 has 2 MA's), (Start: 59 @26731 has 1 MA's), (Start: 64 @26764 has 4 MA's), (66, 26776), (70, 26818), (72, 26833), (86, 26917), (91, 26938), (92, 26944), (94, 26956), (100, 26989), (101, 26992), (104, 27013),

Gene: Jobu08_36 Start: 27029, Stop: 27460, Start Num: 51
Candidate Starts for Jobu08_36:
(Start: 51 @27029 has 177 MA's), (72, 27167), (73, 27170), (82, 27218), (92, 27281), (94, 27293), (100, 27326), (101, 27329), (110, 27380), (111, 27383), (119, 27422), (128, 27443),

Gene: JoongJeon_34 Start: 26689, Stop: 27135, Start Num: 45
Candidate Starts for JoongJeon_34:
(10, 26563), (21, 26587), (37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: JoshKayV_36 Start: 27108, Stop: 27542, Start Num: 54
Candidate Starts for JoshKayV_36:
(31, 27012), (Start: 54 @27108 has 61 MA's), (70, 27228), (72, 27243), (81, 27285), (90, 27348), (92, 27357), (94, 27369), (100, 27402),

Gene: Journey13_32 Start: 25973, Stop: 26401, Start Num: 51
Candidate Starts for Journey13_32:
(Start: 46 @25958 has 3 MA's), (Start: 51 @25973 has 177 MA's), (70, 26096), (72, 26111), (82, 26162), (90, 26216), (92, 26225), (94, 26237), (100, 26270), (101, 26273), (110, 26324), (111, 26327),

Gene: Jovo_31 Start: 26134, Stop: 26553, Start Num: 50
Candidate Starts for Jovo_31:

(Start: 50 @26134 has 51 MA's), (Start: 64 @26191 has 4 MA's), (72, 26266), (91, 26374), (94, 26392), (99, 26419), (100, 26425), (101, 26428), (109, 26473), (111, 26482),

Gene: Jsquared_35 Start: 26083, Stop: 26511, Start Num: 51
Candidate Starts for Jsquared_35:
(Start: 51 @26083 has 177 MA's), (Start: 64 @26152 has 4 MA's), (78, 26248), (80, 26254), (82, 26272), (86, 26308), (87, 26311), (88, 26314), (94, 26347), (100, 26380), (101, 26383), (110, 26434), (111, 26437), (112, 26440), (113, 26443),

Gene: Junimo_33 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Junimo_33:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: KADY_38 Start: 27402, Stop: 27833, Start Num: 52
Candidate Starts for KADY_38:
(35, 27318), (Start: 48 @27396 has 3 MA's), (Start: 52 @27402 has 12 MA's), (Start: 59 @27426 has 1 MA's), (70, 27513), (72, 27534), (73, 27537), (86, 27621), (88, 27627), (91, 27642), (92, 27648), (98, 27690), (100, 27699), (101, 27702), (110, 27753), (111, 27756), (119, 27795),

Gene: KFPoly_34 Start: 26707, Stop: 27132, Start Num: 53
Candidate Starts for KFPoly_34:
(37, 26626), (Start: 53 @26707 has 116 MA's), (Start: 55 @26713 has 2 MA's), (Start: 59 @26731 has 1 MA's), (Start: 64 @26764 has 4 MA's), (66, 26776), (70, 26818), (72, 26833), (86, 26917), (91, 26938), (92, 26944), (94, 26956), (100, 26989), (101, 26992), (104, 27013),

Gene: Kachowdy_34 Start: 26768, Stop: 27193, Start Num: 51
Candidate Starts for Kachowdy_34:
(22, 26654), (Start: 24 @26660 has 9 MA's), (Start: 46 @26753 has 3 MA's), (Start: 51 @26768 has 177 MA's), (72, 26906), (90, 27011), (91, 27014), (92, 27020), (94, 27032), (100, 27065), (101, 27068), (111, 27122), (119, 27155),

Gene: Kalb97_37 Start: 27021, Stop: 27458, Start Num: 51
Candidate Starts for Kalb97_37:
(27, 26919), (Start: 51 @27021 has 177 MA's), (72, 27165), (81, 27207), (92, 27279), (94, 27291), (100, 27324), (101, 27327), (110, 27378), (111, 27381),

Gene: Kalnoky_37 Start: 27022, Stop: 27459, Start Num: 51
Candidate Starts for Kalnoky_37:
(27, 26920), (Start: 51 @27022 has 177 MA's), (72, 27166), (81, 27208), (92, 27280), (94, 27292), (100, 27325), (101, 27328), (110, 27379), (111, 27382),

Gene: Kalpine_36 Start: 27903, Stop: 28334, Start Num: 51
Candidate Starts for Kalpine_36:
(Start: 51 @27903 has 177 MA's), (70, 28026), (72, 28047), (78, 28074), (80, 28080), (90, 28146), (92, 28155), (94, 28167), (99, 28194), (100, 28200), (103, 28215), (110, 28254), (119, 28296), (127, 28311),

Gene: Kampy_34 Start: 26631, Stop: 27077, Start Num: 51
Candidate Starts for Kampy_34:
(Start: 51 @26631 has 177 MA's), (Start: 54 @26634 has 61 MA's), (56, 26640), (Start: 58 @26661 has 6 MA's), (67, 26727), (72, 26775), (73, 26778), (75, 26787), (81, 26817), (90, 26880), (92, 26889),

(100, 26934),

Gene: Katalie136_34 Start: 26764, Stop: 27189, Start Num: 53
Candidate Starts for Katalie136_34:
(Start: 53 @26764 has 116 MA's), (Start: 64 @26821 has 4 MA's), (66, 26833), (70, 26875), (72, 26890), (73, 26893), (74, 26899), (86, 26974), (91, 26995), (94, 27013), (100, 27046), (101, 27049), (104, 27070),

Gene: KekoraPapaka_34 Start: 26716, Stop: 27135, Start Num: 55
Candidate Starts for KekoraPapaka_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Kerberos_38 Start: 26865, Stop: 27302, Start Num: 51
Candidate Starts for Kerberos_38:
(Start: 51 @26865 has 177 MA's), (70, 26988), (72, 27003), (81, 27045), (82, 27054), (90, 27108), (91, 27111), (94, 27129), (100, 27162), (101, 27165),

Gene: Kimona_31 Start: 24788, Stop: 25219, Start Num: 51
Candidate Starts for Kimona_31:
(29, 24689), (Start: 51 @24788 has 177 MA's), (72, 24932), (74, 24941), (75, 24944), (81, 24974), (94, 25058), (100, 25091), (101, 25094), (111, 25148), (119, 25181), (127, 25196),

Gene: KingCyrus_37 Start: 28510, Stop: 28950, Start Num: 54
Candidate Starts for KingCyrus_37:
(Start: 54 @28510 has 61 MA's), (Start: 58 @28537 has 6 MA's), (69, 28618), (70, 28630), (72, 28651), (81, 28693), (82, 28702), (90, 28756), (91, 28759), (92, 28765), (94, 28777), (99, 28804), (100, 28810),

Gene: Kinmap_35 Start: 26800, Stop: 27219, Start Num: 53
Candidate Starts for Kinmap_35:
(Start: 53 @26800 has 116 MA's), (70, 26911), (72, 26932), (75, 26944), (91, 27040), (94, 27058), (100, 27091), (103, 27106), (110, 27145),

Gene: Klodlith_35 Start: 26634, Stop: 27035, Start Num: 59
Candidate Starts for Klodlith_35:
(47, 26598), (Start: 49 @26610 has 4 MA's), (Start: 59 @26634 has 1 MA's), (70, 26721), (72, 26742), (78, 26769), (90, 26847), (94, 26868), (100, 26901), (110, 26955), (111, 26958),

Gene: Koan_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Koan_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Koduck_35 Start: 25817, Stop: 26260, Start Num: 51
Candidate Starts for Koduck_35:
(Start: 51 @25817 has 177 MA's), (70, 25940), (72, 25955), (73, 25958), (74, 25964), (75, 25967), (82, 26006), (92, 26069), (94, 26081), (100, 26114), (101, 26117), (110, 26168), (111, 26171),

Gene: Koreni_33 Start: 26409, Stop: 26837, Start Num: 53
Candidate Starts for Koreni_33:

(Start: 43 @26367 has 1 MA's), (Start: 53 @26409 has 116 MA's), (Start: 58 @26427 has 6 MA's), (Start: 61 @26451 has 4 MA's), (70, 26520), (72, 26535), (74, 26544), (75, 26547), (78, 26562), (87, 26625), (91, 26643), (92, 26649), (94, 26661), (97, 26685), (99, 26688), (100, 26694),

Gene: Kratark_34 Start: 26808, Stop: 27194, Start Num: 61
Candidate Starts for Kratark_34:
(Start: 53 @26766 has 116 MA's), (Start: 58 @26784 has 6 MA's), (Start: 61 @26808 has 4 MA's), (70, 26877), (72, 26892), (75, 26904), (87, 26982), (90, 26997), (92, 27006), (94, 27018), (97, 27042), (99, 27045), (100, 27051),

Gene: Kremtemulon_34 Start: 26816, Stop: 27244, Start Num: 53
Candidate Starts for Kremtemulon_34:
(Start: 43 @26774 has 1 MA's), (Start: 53 @26816 has 116 MA's), (Start: 58 @26834 has 6 MA's), (Start: 61 @26858 has 4 MA's), (70, 26927), (72, 26942), (74, 26951), (75, 26954), (78, 26969), (87, 27032), (91, 27050), (92, 27056), (94, 27068), (97, 27092), (99, 27095), (100, 27101),

Gene: Krishelle_30 Start: 24470, Stop: 24946, Start Num: 51
Candidate Starts for Krishelle_30:
(Start: 51 @24470 has 177 MA's), (72, 24623), (73, 24626), (76, 24638), (78, 24650), (87, 24719), (94, 24755), (107, 24830), (109, 24845), (110, 24851), (111, 24854),

Gene: Kristoff_36 Start: 27117, Stop: 27542, Start Num: 54
Candidate Starts for Kristoff_36:
(38, 27045), (Start: 54 @27117 has 61 MA's), (70, 27222), (72, 27237), (75, 27249), (91, 27342), (92, 27348), (94, 27360), (100, 27393), (109, 27441),

Gene: Kyee_34 Start: 26708, Stop: 27133, Start Num: 53
Candidate Starts for Kyee_34:
(37, 26627), (Start: 45 @26687 has 8 MA's), (Start: 53 @26708 has 116 MA's), (Start: 55 @26714 has 2 MA's), (Start: 59 @26732 has 1 MA's), (Start: 64 @26765 has 4 MA's), (66, 26777), (70, 26819), (72, 26834), (86, 26918), (91, 26939), (92, 26945), (94, 26957), (100, 26990), (101, 26993), (104, 27014),

Gene: L5_34.1 Start: 25777, Stop: 26220, Start Num: 51
Candidate Starts for L5_34.1:
(Start: 51 @25777 has 177 MA's), (70, 25900), (72, 25915), (73, 25918), (74, 25924), (75, 25927), (82, 25966), (92, 26029), (94, 26041), (100, 26074), (101, 26077), (110, 26128), (111, 26131),

Gene: LBerry_37 Start: 27200, Stop: 27631, Start Num: 51
Candidate Starts for LBerry_37:
(22, 27086), (Start: 24 @27092 has 9 MA's), (Start: 51 @27200 has 177 MA's), (Start: 64 @27269 has 4 MA's), (72, 27338), (73, 27341), (82, 27389), (92, 27452), (94, 27464), (100, 27497), (101, 27500), (110, 27551), (111, 27554), (119, 27593),

Gene: LHTSCC_35 Start: 26997, Stop: 27413, Start Num: 58
Candidate Starts for LHTSCC_35:
(Start: 51 @26967 has 177 MA's), (Start: 54 @26970 has 61 MA's), (56, 26976), (Start: 58 @26997 has 6 MA's), (67, 27063), (72, 27111), (73, 27114), (75, 27123), (81, 27153), (90, 27216), (92, 27225), (100, 27270), (125, 27381),

Gene: Landor_36 Start: 28397, Stop: 28828, Start Num: 51
Candidate Starts for Landor_36:
(Start: 51 @28397 has 177 MA's), (Start: 61 @28439 has 4 MA's), (70, 28508), (72, 28529), (81, 28571), (82, 28580), (90, 28634), (94, 28655), (100, 28688),

Gene: LappelDuVide_34 Start: 26709, Stop: 27134, Start Num: 53
Candidate Starts for LappelDuVide_34:
(37, 26628), (Start: 45 @26688 has 8 MA's), (Start: 53 @26709 has 116 MA's), (Start: 55 @26715 has 2 MA's), (Start: 59 @26733 has 1 MA's), (Start: 64 @26766 has 4 MA's), (66, 26778), (70, 26820), (72, 26835), (86, 26919), (91, 26940), (92, 26946), (94, 26958), (100, 26991), (101, 26994), (104, 27015),

Gene: Larenn_36 Start: 27199, Stop: 27639, Start Num: 54
Candidate Starts for Larenn_36:
(Start: 54 @27199 has 61 MA's), (Start: 58 @27226 has 6 MA's), (69, 27307), (70, 27319), (72, 27340), (81, 27382), (90, 27445), (91, 27448), (92, 27454), (94, 27466), (99, 27493), (100, 27499),

Gene: LarryKay_37 Start: 27404, Stop: 27835, Start Num: 52
Candidate Starts for LarryKay_37:
(35, 27320), (Start: 48 @27398 has 3 MA's), (Start: 52 @27404 has 12 MA's), (Start: 59 @27428 has 1 MA's), (70, 27515), (72, 27536), (73, 27539), (78, 27563), (86, 27623), (88, 27629), (91, 27644), (92, 27650), (98, 27692), (100, 27701), (101, 27704), (110, 27755), (111, 27758), (119, 27797),

Gene: Lemur_34 Start: 26707, Stop: 27132, Start Num: 53
Candidate Starts for Lemur_34:
(37, 26626), (Start: 45 @26686 has 8 MA's), (Start: 53 @26707 has 116 MA's), (Start: 55 @26713 has 2 MA's), (Start: 59 @26731 has 1 MA's), (Start: 64 @26764 has 4 MA's), (66, 26776), (70, 26818), (72, 26833), (86, 26917), (91, 26938), (92, 26944), (94, 26956), (100, 26989), (101, 26992), (104, 27013),

Gene: LeoAvram_34 Start: 26659, Stop: 27075, Start Num: 58
Candidate Starts for LeoAvram_34:
(Start: 51 @26629 has 177 MA's), (Start: 54 @26632 has 61 MA's), (56, 26638), (Start: 58 @26659 has 6 MA's), (67, 26725), (72, 26773), (73, 26776), (75, 26785), (81, 26815), (90, 26878), (92, 26887), (100, 26932),

Gene: Leogania_36 Start: 28417, Stop: 28854, Start Num: 51
Candidate Starts for Leogania_36:
(22, 28306), (33, 28330), (Start: 51 @28417 has 177 MA's), (72, 28555), (81, 28597), (82, 28606), (90, 28660), (92, 28669), (94, 28681), (100, 28714), (101, 28717),

Gene: Lev2_31 Start: 25766, Stop: 26185, Start Num: 50
Candidate Starts for Lev2_31:
(Start: 50 @25766 has 51 MA's), (Start: 64 @25823 has 4 MA's), (72, 25898), (91, 26006), (94, 26024), (99, 26051), (100, 26057), (101, 26060), (109, 26105), (111, 26114),

Gene: Leviathan_36 Start: 27189, Stop: 27629, Start Num: 54
Candidate Starts for Leviathan_36:
(Start: 54 @27189 has 61 MA's), (Start: 58 @27216 has 6 MA's), (69, 27297), (70, 27309), (72, 27330), (81, 27372), (82, 27381), (90, 27435), (91, 27438), (92, 27444), (94, 27456), (99, 27483), (100, 27489),

Gene: LilTurb_35 Start: 27022, Stop: 27462, Start Num: 54
Candidate Starts for LilTurb_35:
(Start: 54 @27022 has 61 MA's), (Start: 58 @27049 has 6 MA's), (69, 27130), (70, 27142), (72, 27163), (81, 27205), (82, 27214), (90, 27268), (91, 27271), (92, 27277), (94, 27289), (99, 27316), (100, 27322),

Gene: Lilith_37 Start: 27262, Stop: 27624, Start Num: 64
Candidate Starts for Lilith_37:

(22, 27079), (Start: 24 @27085 has 9 MA's), (Start: 51 @27193 has 177 MA's), (Start: 64 @27262 has 4 MA's), (72, 27331), (73, 27334), (82, 27382), (92, 27445), (94, 27457), (100, 27490), (101, 27493), (110, 27544), (111, 27547), (119, 27586),

Gene: LionsBait_34 Start: 28124, Stop: 28561, Start Num: 51
Candidate Starts for LionsBait_34:
(22, 28010), (Start: 24 @28016 has 9 MA's), (Start: 51 @28124 has 177 MA's), (72, 28262), (74, 28271), (81, 28304), (82, 28313), (92, 28376), (94, 28388), (100, 28421), (101, 28424),

Gene: LittleB_34 Start: 26711, Stop: 27136, Start Num: 53
Candidate Starts for LittleB_34:
(37, 26630), (Start: 53 @26711 has 116 MA's), (Start: 55 @26717 has 2 MA's), (Start: 59 @26735 has 1 MA's), (Start: 64 @26768 has 4 MA's), (66, 26780), (70, 26822), (72, 26837), (86, 26921), (91, 26942), (92, 26948), (94, 26960), (100, 26993), (101, 26996), (104, 27017),

Gene: LittleCherry_31 Start: 25945, Stop: 26373, Start Num: 50
Candidate Starts for LittleCherry_31:
(Start: 50 @25945 has 51 MA's), (Start: 64 @26002 has 4 MA's), (72, 26077), (82, 26128), (91, 26185), (99, 26230), (100, 26236), (101, 26239), (109, 26284), (111, 26293), (117, 26329),

Gene: LittleGuy_34 Start: 26711, Stop: 27139, Start Num: 53
Candidate Starts for LittleGuy_34:
(Start: 43 @26669 has 1 MA's), (Start: 53 @26711 has 116 MA's), (Start: 58 @26729 has 6 MA's), (Start: 61 @26753 has 4 MA's), (70, 26822), (72, 26837), (75, 26849), (78, 26864), (87, 26927), (91, 26945), (92, 26951), (94, 26963), (97, 26987), (99, 26990), (100, 26996),

Gene: LochMonster_34 Start: 26764, Stop: 27174, Start Num: 58
Candidate Starts for LochMonster_34:
(Start: 43 @26704 has 1 MA's), (Start: 53 @26746 has 116 MA's), (Start: 58 @26764 has 6 MA's), (Start: 61 @26788 has 4 MA's), (70, 26857), (72, 26872), (74, 26881), (75, 26884), (78, 26899), (87, 26962), (91, 26980), (92, 26986), (94, 26998), (97, 27022), (99, 27025), (100, 27031),

Gene: Lorenzo_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Lorenzo_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Louie6_37 Start: 27403, Stop: 27834, Start Num: 52
Candidate Starts for Louie6_37:
(35, 27319), (Start: 48 @27397 has 3 MA's), (Start: 52 @27403 has 12 MA's), (Start: 59 @27427 has 1 MA's), (70, 27514), (72, 27535), (73, 27538), (78, 27562), (86, 27622), (88, 27628), (91, 27643), (92, 27649), (98, 27691), (100, 27700), (101, 27703), (110, 27754), (111, 27757), (119, 27796),

Gene: Lowa_37 Start: 27192, Stop: 27623, Start Num: 51
Candidate Starts for Lowa_37:
(22, 27078), (Start: 24 @27084 has 9 MA's), (Start: 51 @27192 has 177 MA's), (Start: 64 @27261 has 4 MA's), (72, 27330), (73, 27333), (82, 27381), (92, 27444), (94, 27456), (100, 27489), (101, 27492), (110, 27543), (111, 27546), (119, 27585),

Gene: LugYA_39 Start: 27200, Stop: 27631, Start Num: 51
Candidate Starts for LugYA_39:

(22, 27086), (Start: 24 @27092 has 9 MA's), (Start: 51 @27200 has 177 MA's), (Start: 64 @27269 has 4 MA's), (72, 27338), (73, 27341), (82, 27389), (92, 27452), (94, 27464), (100, 27497), (101, 27500), (110, 27551), (111, 27554), (119, 27593),

Gene: Lunsford_35 Start: 26707, Stop: 27132, Start Num: 53
Candidate Starts for Lunsford_35:
(37, 26626), (Start: 45 @26686 has 8 MA's), (Start: 53 @26707 has 116 MA's), (Start: 55 @26713 has 2 MA's), (Start: 59 @26731 has 1 MA's), (Start: 64 @26764 has 4 MA's), (66, 26776), (70, 26818), (72, 26833), (86, 26917), (91, 26938), (92, 26944), (94, 26956), (100, 26989), (101, 26992), (104, 27013),

Gene: MA5_34 Start: 26354, Stop: 26785, Start Num: 51
Candidate Starts for MA5_34:
(22, 26240), (Start: 24 @26246 has 9 MA's), (Start: 51 @26354 has 177 MA's), (Start: 54 @26357 has 61 MA's), (71, 26480), (72, 26498), (75, 26510), (81, 26540), (82, 26549), (90, 26603), (91, 26606), (92, 26612), (94, 26624), (100, 26657), (101, 26660), (111, 26714), (119, 26747),

Gene: MK4_34 Start: 26462, Stop: 26887, Start Num: 51
Candidate Starts for MK4_34:
(Start: 51 @26462 has 177 MA's), (Start: 54 @26465 has 61 MA's), (70, 26585), (72, 26600), (90, 26705), (92, 26714), (94, 26726), (100, 26759), (110, 26813), (111, 26816), (119, 26849),

Gene: MadMarie_37 Start: 27202, Stop: 27633, Start Num: 51
Candidate Starts for MadMarie_37:
(22, 27088), (Start: 24 @27094 has 9 MA's), (Start: 51 @27202 has 177 MA's), (72, 27340), (73, 27343), (82, 27391), (92, 27454), (94, 27466), (100, 27499), (101, 27502), (110, 27553), (111, 27556), (119, 27595),

Gene: Mainiac_37 Start: 27193, Stop: 27624, Start Num: 51
Candidate Starts for Mainiac_37:
(22, 27079), (Start: 24 @27085 has 9 MA's), (Start: 51 @27193 has 177 MA's), (Start: 64 @27262 has 4 MA's), (72, 27331), (73, 27334), (82, 27382), (92, 27445), (94, 27457), (100, 27490), (101, 27493), (110, 27544), (111, 27547), (119, 27586),

Gene: MajorMajor_35 Start: 26009, Stop: 26440, Start Num: 51
Candidate Starts for MajorMajor_35:
(Start: 51 @26009 has 177 MA's), (Start: 64 @26078 has 4 MA's), (75, 26159), (78, 26174), (86, 26234), (87, 26237), (93, 26264), (94, 26273), (100, 26306), (101, 26309), (110, 26360), (111, 26363), (113, 26369), (114, 26384),

Gene: Malec_37 Start: 27760, Stop: 28200, Start Num: 54
Candidate Starts for Malec_37:
(40, 27694), (Start: 54 @27760 has 61 MA's), (69, 27868), (70, 27880), (72, 27901), (81, 27943), (86, 27988), (90, 28006), (92, 28015), (94, 28027), (99, 28054), (100, 28060),

Gene: Malinsilva_39 Start: 27192, Stop: 27623, Start Num: 51
Candidate Starts for Malinsilva_39:
(22, 27078), (Start: 24 @27084 has 9 MA's), (Start: 51 @27192 has 177 MA's), (Start: 64 @27261 has 4 MA's), (72, 27330), (73, 27333), (82, 27381), (92, 27444), (94, 27456), (100, 27489), (101, 27492), (110, 27543), (111, 27546), (119, 27585),

Gene: Manu_37 Start: 27022, Stop: 27459, Start Num: 51
Candidate Starts for Manu_37:

(27, 26920), (Start: 51 @27022 has 177 MA's), (72, 27166), (81, 27208), (92, 27280), (94, 27292), (100, 27325), (101, 27328), (110, 27379), (111, 27382),

Gene: MarQuardt_37 Start: 27093, Stop: 27632, Start Num: 24
Candidate Starts for MarQuardt_37:
(22, 27087), (Start: 24 @27093 has 9 MA's), (Start: 51 @27201 has 177 MA's), (Start: 64 @27270 has 4 MA's), (72, 27339), (73, 27342), (82, 27390), (92, 27453), (94, 27465), (100, 27498), (101, 27501), (110, 27552), (111, 27555), (119, 27594),

Gene: Marie_37 Start: 27091, Stop: 27630, Start Num: 24
Candidate Starts for Marie_37:
(22, 27085), (Start: 24 @27091 has 9 MA's), (Start: 51 @27199 has 177 MA's), (Start: 64 @27268 has 4 MA's), (72, 27337), (73, 27340), (82, 27388), (92, 27451), (94, 27463), (100, 27496), (101, 27499), (110, 27550), (111, 27553), (119, 27592),

Gene: Marius_37 Start: 27022, Stop: 27459, Start Num: 51
Candidate Starts for Marius_37:
(27, 26920), (Start: 51 @27022 has 177 MA's), (72, 27166), (81, 27208), (92, 27280), (94, 27292), (100, 27325), (101, 27328), (110, 27379), (111, 27382),

Gene: MarysWell_30 Start: 25993, Stop: 26421, Start Num: 50
Candidate Starts for MarysWell_30:
(Start: 50 @25993 has 51 MA's), (72, 26125), (82, 26176), (91, 26233), (94, 26251), (100, 26284), (101, 26287), (109, 26332), (111, 26341), (117, 26377),

Gene: Maverick_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Maverick_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Maxo_34 Start: 26631, Stop: 27077, Start Num: 51
Candidate Starts for Maxo_34:
(Start: 51 @26631 has 177 MA's), (Start: 54 @26634 has 61 MA's), (56, 26640), (Start: 58 @26661 has 6 MA's), (67, 26727), (72, 26775), (73, 26778), (75, 26787), (81, 26817), (90, 26880), (92, 26889), (100, 26934),

Gene: Mayonnaise_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Mayonnaise_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Mazhar510_34 Start: 26711, Stop: 27136, Start Num: 53
Candidate Starts for Mazhar510_34:
(37, 26630), (Start: 45 @26690 has 8 MA's), (Start: 53 @26711 has 116 MA's), (Start: 55 @26717 has 2 MA's), (Start: 59 @26735 has 1 MA's), (Start: 64 @26768 has 4 MA's), (66, 26780), (70, 26822), (72, 26837), (86, 26921), (91, 26942), (92, 26948), (94, 26960), (100, 26993), (101, 26996), (104, 27017),

Gene: Medusa_34 Start: 26634, Stop: 27077, Start Num: 54
Candidate Starts for Medusa_34:
(Start: 51 @26631 has 177 MA's), (Start: 54 @26634 has 61 MA's), (56, 26640), (Start: 58 @26661 has 6 MA's), (67, 26727), (72, 26775), (73, 26778), (75, 26787), (81, 26817), (90, 26880), (92, 26889),

(100, 26934),

Gene: MeeZee_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for MeeZee_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: MegTheThird_34 Start: 26486, Stop: 26911, Start Num: 49
Candidate Starts for MegTheThird_34:
(Start: 49 @26486 has 4 MA's), (70, 26597), (72, 26618), (82, 26669), (90, 26723), (92, 26732), (94, 26744), (99, 26771), (100, 26777), (110, 26831), (111, 26834),

Gene: Melvin_35 Start: 26633, Stop: 27076, Start Num: 54
Candidate Starts for Melvin_35:
(Start: 51 @26630 has 177 MA's), (Start: 54 @26633 has 61 MA's), (56, 26639), (Start: 58 @26660 has 6 MA's), (67, 26726), (72, 26774), (73, 26777), (75, 26786), (81, 26816), (90, 26879), (92, 26888), (100, 26933),

Gene: Methuselah_36 Start: 27398, Stop: 27829, Start Num: 52
Candidate Starts for Methuselah_36:
(35, 27314), (Start: 48 @27392 has 3 MA's), (Start: 52 @27398 has 12 MA's), (Start: 59 @27422 has 1 MA's), (70, 27509), (72, 27530), (73, 27533), (78, 27557), (86, 27617), (88, 27623), (91, 27638), (92, 27644), (98, 27686), (100, 27695), (101, 27698), (110, 27749), (111, 27752), (119, 27791),

Gene: Micasa_31 Start: 25919, Stop: 26338, Start Num: 50
Candidate Starts for Micasa_31:
(Start: 50 @25919 has 51 MA's), (Start: 64 @25976 has 4 MA's), (72, 26051), (91, 26159), (94, 26177), (99, 26204), (100, 26210), (101, 26213), (109, 26258), (111, 26267),

Gene: Microwolf_37 Start: 27270, Stop: 27632, Start Num: 64
Candidate Starts for Microwolf_37:
(22, 27087), (Start: 24 @27093 has 9 MA's), (Start: 51 @27201 has 177 MA's), (Start: 64 @27270 has 4 MA's), (72, 27339), (73, 27342), (82, 27390), (92, 27453), (94, 27465), (100, 27498), (101, 27501), (110, 27552), (111, 27555), (119, 27594),

Gene: MiculUcigas_35 Start: 26892, Stop: 27329, Start Num: 51
Candidate Starts for MiculUcigas_35:
(22, 26781), (33, 26805), (Start: 51 @26892 has 177 MA's), (Start: 64 @26961 has 4 MA's), (70, 27015), (72, 27030), (81, 27072), (82, 27081), (90, 27135), (92, 27144), (100, 27189), (101, 27192),

Gene: Milcery_31 Start: 25949, Stop: 26377, Start Num: 50
Candidate Starts for Milcery_31:
(Start: 50 @25949 has 51 MA's), (Start: 64 @26006 has 4 MA's), (72, 26081), (82, 26132), (91, 26189), (94, 26207), (99, 26234), (100, 26240), (101, 26243), (109, 26288), (111, 26297), (117, 26333),

Gene: Millski_33 Start: 26693, Stop: 27139, Start Num: 45
Candidate Starts for Millski_33:
(37, 26633), (Start: 45 @26693 has 8 MA's), (Start: 53 @26714 has 116 MA's), (Start: 55 @26720 has 2 MA's), (Start: 59 @26738 has 1 MA's), (Start: 64 @26771 has 4 MA's), (66, 26783), (70, 26825), (72, 26840), (86, 26924), (91, 26945), (92, 26951), (94, 26963), (100, 26996), (101, 26999), (104, 27020),

Gene: Miramae_34 Start: 27036, Stop: 27464, Start Num: 53

Candidate Starts for Miramae_34:
(Start: 53 @27036 has 116 MA's), (Start: 58 @27054 has 6 MA's), (66, 27105), (70, 27147), (72, 27162), (74, 27171), (75, 27174), (87, 27252), (91, 27270), (92, 27276), (94, 27288), (100, 27321), (107, 27354), (125, 27432),

Gene: Misomonster_39 Start: 27401, Stop: 27832, Start Num: 52
Candidate Starts for Misomonster_39:
(35, 27317), (Start: 48 @27395 has 3 MA's), (Start: 52 @27401 has 12 MA's), (Start: 59 @27425 has 1 MA's), (70, 27512), (72, 27533), (73, 27536), (86, 27620), (88, 27626), (91, 27641), (92, 27647), (98, 27689), (100, 27698), (101, 27701), (110, 27752), (111, 27755), (119, 27794),

Gene: ModicumRichard_121 Start: 66224, Stop: 65715, Start Num: 54
Candidate Starts for ModicumRichard_121:
(1, 66527), (11, 66380), (Start: 54 @66224 has 61 MA's), (Start: 59 @66200 has 1 MA's), (70, 66113), (81, 66050), (82, 66041), (91, 65987), (92, 65981),

Gene: MoneyMay_37 Start: 27091, Stop: 27630, Start Num: 24
Candidate Starts for MoneyMay_37:
(22, 27085), (Start: 24 @27091 has 9 MA's), (Start: 51 @27199 has 177 MA's), (Start: 64 @27268 has 4 MA's), (72, 27337), (73, 27340), (82, 27388), (92, 27451), (94, 27463), (100, 27496), (101, 27499), (110, 27550), (111, 27553), (119, 27592),

Gene: Montavir_36 Start: 27269, Stop: 27631, Start Num: 64
Candidate Starts for Montavir_36:
(22, 27086), (Start: 24 @27092 has 9 MA's), (Start: 51 @27200 has 177 MA's), (Start: 64 @27269 has 4 MA's), (72, 27338), (73, 27341), (82, 27389), (92, 27452), (94, 27464), (100, 27497), (101, 27500), (110, 27551), (111, 27554), (119, 27593),

Gene: Morgana_128 Start: 68394, Stop: 67885, Start Num: 54
Candidate Starts for Morgana_128:
(Start: 54 @68394 has 61 MA's), (Start: 59 @68370 has 1 MA's), (70, 68283), (81, 68220), (82, 68211), (83, 68205), (91, 68157), (92, 68151),

Gene: Morpher26_34 Start: 26764, Stop: 27189, Start Num: 53
Candidate Starts for Morpher26_34:
(Start: 53 @26764 has 116 MA's), (Start: 64 @26821 has 4 MA's), (66, 26833), (70, 26875), (72, 26890), (73, 26893), (74, 26899), (86, 26974), (91, 26995), (94, 27013), (100, 27046), (101, 27049), (104, 27070),

Gene: Morrow_34 Start: 26638, Stop: 27081, Start Num: 54
Candidate Starts for Morrow_34:
(Start: 51 @26635 has 177 MA's), (Start: 54 @26638 has 61 MA's), (56, 26644), (Start: 58 @26665 has 6 MA's), (67, 26731), (72, 26779), (73, 26782), (75, 26791), (81, 26821), (90, 26884), (92, 26893), (100, 26938),

Gene: MuchMore_39 Start: 27192, Stop: 27623, Start Num: 51
Candidate Starts for MuchMore_39:
(22, 27078), (Start: 24 @27084 has 9 MA's), (Start: 51 @27192 has 177 MA's), (Start: 64 @27261 has 4 MA's), (72, 27330), (73, 27333), (82, 27381), (92, 27444), (94, 27456), (100, 27489), (101, 27492), (110, 27543), (111, 27546), (119, 27585),

Gene: Mundrea_34 Start: 26746, Stop: 27174, Start Num: 53
Candidate Starts for Mundrea_34:

(Start: 53 @26746 has 116 MA's), (Start: 58 @26764 has 6 MA's), (Start: 61 @26788 has 4 MA's), (70, 26857), (72, 26872), (75, 26884), (87, 26962), (90, 26977), (92, 26986), (99, 27025), (100, 27031), (125, 27142),

Gene: MyraDee_31 Start: 24244, Stop: 24663, Start Num: 50
Candidate Starts for MyraDee_31:
(42, 24199), (Start: 50 @24244 has 51 MA's), (Start: 64 @24301 has 4 MA's), (72, 24376), (75, 24388), (80, 24409), (94, 24502), (100, 24529), (101, 24532), (109, 24577), (110, 24583), (111, 24586),

Gene: NaSiaTalie_35 Start: 26890, Stop: 27327, Start Num: 51
Candidate Starts for NaSiaTalie_35:
(22, 26779), (33, 26803), (Start: 51 @26890 has 177 MA's), (Start: 64 @26959 has 4 MA's), (70, 27013), (72, 27028), (81, 27070), (82, 27079), (90, 27133), (92, 27142), (100, 27187), (101, 27190),

Gene: Naca_32 Start: 26187, Stop: 26615, Start Num: 50
Candidate Starts for Naca_32:
(Start: 50 @26187 has 51 MA's), (66, 26256), (67, 26271), (70, 26298), (72, 26319), (88, 26412), (91, 26427), (94, 26445), (99, 26472), (100, 26478), (101, 26481), (109, 26526), (111, 26535), (117, 26571),

Gene: Naiad_30 Start: 24199, Stop: 24675, Start Num: 51
Candidate Starts for Naiad_30:
(Start: 51 @24199 has 177 MA's), (57, 24214), (72, 24352), (73, 24355), (76, 24367), (78, 24379), (85, 24442), (87, 24448), (94, 24484), (107, 24559), (110, 24580), (111, 24583), (116, 24616),

Gene: Naji_38 Start: 26865, Stop: 27302, Start Num: 51
Candidate Starts for Naji_38:
(Start: 51 @26865 has 177 MA's), (70, 26988), (72, 27003), (81, 27045), (82, 27054), (91, 27111), (94, 27129), (100, 27162), (101, 27165), (104, 27186),

Gene: Nancinator_30 Start: 24187, Stop: 24663, Start Num: 51
Candidate Starts for Nancinator_30:
(Start: 51 @24187 has 177 MA's), (72, 24340), (73, 24343), (76, 24355), (78, 24367), (85, 24430), (87, 24436), (94, 24472), (107, 24547), (110, 24568), (111, 24571), (116, 24604),

Gene: Natosaleda_30 Start: 24186, Stop: 24662, Start Num: 51
Candidate Starts for Natosaleda_30:
(Start: 51 @24186 has 177 MA's), (72, 24339), (73, 24342), (76, 24354), (78, 24366), (85, 24429), (87, 24435), (94, 24471), (107, 24546), (110, 24567), (111, 24570), (116, 24603),

Gene: NearlyHeadless_31 Start: 25179, Stop: 25607, Start Num: 50
Candidate Starts for NearlyHeadless_31:
(13, 25041), (19, 25056), (28, 25080), (30, 25083), (Start: 50 @25179 has 51 MA's), (70, 25290), (72, 25311), (75, 25323), (78, 25338), (80, 25344), (86, 25398), (87, 25401), (90, 25416), (93, 25428), (94, 25437), (99, 25464), (100, 25470), (101, 25473), (111, 25527),

Gene: Nebs_34 Start: 26629, Stop: 27075, Start Num: 51
Candidate Starts for Nebs_34:
(Start: 51 @26629 has 177 MA's), (Start: 54 @26632 has 61 MA's), (56, 26638), (Start: 58 @26659 has 6 MA's), (67, 26725), (72, 26773), (73, 26776), (75, 26785), (81, 26815), (90, 26878), (92, 26887), (100, 26932),

Gene: Nemo27_34 Start: 26709, Stop: 27134, Start Num: 53

Candidate Starts for Nemo27_34:
(37, 26628), (Start: 45 @26688 has 8 MA's), (Start: 53 @26709 has 116 MA's), (Start: 55 @26715 has 2 MA's), (Start: 59 @26733 has 1 MA's), (Start: 64 @26766 has 4 MA's), (66, 26778), (70, 26820), (72, 26835), (86, 26919), (91, 26940), (92, 26946), (94, 26958), (100, 26991), (101, 26994), (104, 27015),

Gene: NicoleTera_38 Start: 28142, Stop: 28579, Start Num: 51
Candidate Starts for NicoleTera_38:
(3, 27881), (Start: 51 @28142 has 177 MA's), (Start: 64 @28211 has 4 MA's), (70, 28265), (72, 28280), (81, 28322), (82, 28331), (90, 28385), (91, 28388), (92, 28394), (94, 28406), (100, 28439), (101, 28442),

Gene: Noelle_34 Start: 26808, Stop: 27233, Start Num: 53
Candidate Starts for Noelle_34:
(37, 26727), (Start: 45 @26787 has 8 MA's), (Start: 53 @26808 has 116 MA's), (66, 26877), (70, 26919), (72, 26934), (86, 27018), (91, 27039), (92, 27045), (94, 27057), (100, 27090), (101, 27093), (107, 27123),

Gene: NorthStar_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for NorthStar_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Northrop_34 Start: 26706, Stop: 27131, Start Num: 53
Candidate Starts for Northrop_34:
(10, 26559), (21, 26583), (37, 26625), (Start: 45 @26685 has 8 MA's), (Start: 53 @26706 has 116 MA's), (Start: 55 @26712 has 2 MA's), (Start: 59 @26730 has 1 MA's), (Start: 64 @26763 has 4 MA's), (66, 26775), (70, 26817), (72, 26832), (86, 26916), (91, 26937), (92, 26943), (94, 26955), (100, 26988), (101, 26991), (104, 27012),

Gene: NotAPhaseMom_34 Start: 26714, Stop: 27139, Start Num: 53
Candidate Starts for NotAPhaseMom_34:
(37, 26633), (Start: 45 @26693 has 8 MA's), (Start: 53 @26714 has 116 MA's), (Start: 55 @26720 has 2 MA's), (Start: 59 @26738 has 1 MA's), (Start: 64 @26771 has 4 MA's), (66, 26783), (70, 26825), (72, 26840), (86, 26924), (91, 26945), (92, 26951), (94, 26963), (100, 26996), (101, 26999), (104, 27020),

Gene: NothingSpecial_36 Start: 28302, Stop: 28745, Start Num: 51
Candidate Starts for NothingSpecial_36:
(39, 28236), (Start: 51 @28302 has 177 MA's), (Start: 54 @28305 has 61 MA's), (72, 28446), (81, 28488), (83, 28503), (90, 28551), (91, 28554), (92, 28560), (94, 28572), (100, 28605),

Gene: Nyxis_34 Start: 26705, Stop: 27133, Start Num: 53
Candidate Starts for Nyxis_34:
(Start: 43 @26663 has 1 MA's), (Start: 53 @26705 has 116 MA's), (Start: 58 @26723 has 6 MA's), (Start: 61 @26747 has 4 MA's), (70, 26816), (72, 26831), (75, 26843), (78, 26858), (87, 26921), (91, 26939), (92, 26945), (94, 26957), (99, 26984), (100, 26990),

Gene: OKCentral2016_34 Start: 26449, Stop: 26865, Start Num: 54
Candidate Starts for OKCentral2016_34:
(38, 26377), (Start: 54 @26449 has 61 MA's), (Start: 61 @26485 has 4 MA's), (70, 26554), (72, 26569), (75, 26581), (86, 26653), (91, 26674), (92, 26680), (94, 26692), (100, 26725), (112, 26785),

Gene: OKaNui_35 Start: 26763, Stop: 27188, Start Num: 53

Candidate Starts for OKaNui_35:
(37, 26682), (Start: 45 @26742 has 8 MA's), (Start: 53 @26763 has 116 MA's), (Start: 55 @26769 has 2 MA's), (Start: 59 @26787 has 1 MA's), (Start: 64 @26820 has 4 MA's), (66, 26832), (70, 26874), (72, 26889), (86, 26973), (91, 26994), (92, 27000), (94, 27012), (100, 27045), (101, 27048), (104, 27069),

Gene: ObLaDi_120 Start: 65626, Stop: 65117, Start Num: 54
Candidate Starts for ObLaDi_120:
(1, 65929), (11, 65782), (Start: 54 @65626 has 61 MA's), (Start: 59 @65602 has 1 MA's), (70, 65515), (81, 65452), (82, 65443), (91, 65389), (92, 65383),

Gene: Obama12_35 Start: 26999, Stop: 27415, Start Num: 58
Candidate Starts for Obama12_35:
(Start: 51 @26969 has 177 MA's), (Start: 54 @26972 has 61 MA's), (56, 26978), (Start: 58 @26999 has 6 MA's), (67, 27065), (72, 27113), (73, 27116), (75, 27125), (81, 27155), (90, 27218), (92, 27227), (100, 27272), (125, 27383),

Gene: Odin_34 Start: 25599, Stop: 26054, Start Num: 51
Candidate Starts for Odin_34:
(Start: 51 @25599 has 177 MA's), (Start: 64 @25668 has 4 MA's), (66, 25680), (72, 25737), (73, 25740), (74, 25746), (75, 25749), (82, 25788), (94, 25863), (100, 25896), (101, 25899), (110, 25950), (111, 25953),

Gene: Ohfah_34 Start: 26629, Stop: 27075, Start Num: 51
Candidate Starts for Ohfah_34:
(Start: 51 @26629 has 177 MA's), (Start: 54 @26632 has 61 MA's), (56, 26638), (Start: 58 @26659 has 6 MA's), (67, 26725), (72, 26773), (73, 26776), (75, 26785), (81, 26815), (90, 26878), (92, 26887), (100, 26932),

Gene: OlanP_36 Start: 27203, Stop: 27640, Start Num: 51
Candidate Starts for OlanP_36:
(27, 27101), (Start: 51 @27203 has 177 MA's), (72, 27347), (81, 27389), (92, 27461), (94, 27473), (100, 27506), (101, 27509), (110, 27560), (111, 27563),

Gene: Ollie_37 Start: 27070, Stop: 27501, Start Num: 51
Candidate Starts for Ollie_37:
(22, 26956), (Start: 24 @26962 has 9 MA's), (Start: 51 @27070 has 177 MA's), (72, 27208), (73, 27211), (82, 27259), (92, 27322), (94, 27334), (100, 27367), (101, 27370), (110, 27421), (111, 27424), (119, 27463),

Gene: P28Green_37 Start: 27202, Stop: 27633, Start Num: 51
Candidate Starts for P28Green_37:
(22, 27088), (Start: 24 @27094 has 9 MA's), (Start: 51 @27202 has 177 MA's), (Start: 64 @27271 has 4 MA's), (72, 27340), (73, 27343), (82, 27391), (92, 27454), (94, 27466), (100, 27499), (101, 27502), (110, 27553), (111, 27556), (119, 27595),

Gene: PGHhamlin_39 Start: 27192, Stop: 27623, Start Num: 51
Candidate Starts for PGHhamlin_39:
(22, 27078), (Start: 24 @27084 has 9 MA's), (Start: 51 @27192 has 177 MA's), (Start: 64 @27261 has 4 MA's), (72, 27330), (73, 27333), (82, 27381), (92, 27444), (94, 27456), (100, 27489), (101, 27492), (110, 27543), (111, 27546), (119, 27585),

Gene: Palestino_33 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Palestino_33:

(10, 26563), (21, 26587), (37, 26629), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Partridge_30 Start: 24233, Stop: 24709, Start Num: 51
Candidate Starts for Partridge_30:
(Start: 51 @24233 has 177 MA's), (72, 24386), (73, 24389), (76, 24401), (78, 24413), (85, 24476), (87, 24482), (94, 24518), (107, 24593), (109, 24608), (110, 24614), (111, 24617),

Gene: Pawn_36 Start: 27023, Stop: 27460, Start Num: 51
Candidate Starts for Pawn_36:
(27, 26921), (Start: 51 @27023 has 177 MA's), (72, 27167), (81, 27209), (92, 27281), (94, 27293), (100, 27326), (101, 27329), (110, 27380), (111, 27383),

Gene: PeaceMeal1_33 Start: 25547, Stop: 25981, Start Num: 53
Candidate Starts for PeaceMeal1_33:
(Start: 53 @25547 has 116 MA's), (70, 25658), (72, 25673), (73, 25676), (75, 25685), (87, 25763), (92, 25787), (94, 25799), (100, 25832), (101, 25835),

Gene: Peaches_34 Start: 26709, Stop: 27134, Start Num: 53
Candidate Starts for Peaches_34:
(37, 26628), (Start: 45 @26688 has 8 MA's), (Start: 53 @26709 has 116 MA's), (Start: 55 @26715 has 2 MA's), (Start: 59 @26733 has 1 MA's), (Start: 64 @26766 has 4 MA's), (66, 26778), (70, 26820), (72, 26835), (86, 26919), (91, 26940), (92, 26946), (94, 26958), (100, 26991), (101, 26994), (104, 27015),

Gene: Pembroke_37 Start: 27201, Stop: 27632, Start Num: 51
Candidate Starts for Pembroke_37:
(22, 27087), (Start: 24 @27093 has 9 MA's), (Start: 51 @27201 has 177 MA's), (Start: 64 @27270 has 4 MA's), (72, 27339), (73, 27342), (82, 27390), (92, 27453), (94, 27465), (100, 27498), (101, 27501), (110, 27552), (111, 27555), (119, 27594),

Gene: Penny1_37 Start: 27200, Stop: 27631, Start Num: 51
Candidate Starts for Penny1_37:
(22, 27086), (Start: 24 @27092 has 9 MA's), (Start: 51 @27200 has 177 MA's), (Start: 64 @27269 has 4 MA's), (72, 27338), (73, 27341), (82, 27389), (92, 27452), (94, 27464), (100, 27497), (101, 27500), (110, 27551), (111, 27554), (119, 27593),

Gene: Perplexer_34 Start: 26761, Stop: 27186, Start Num: 53
Candidate Starts for Perplexer_34:
(Start: 53 @26761 has 116 MA's), (Start: 64 @26818 has 4 MA's), (66, 26830), (70, 26872), (72, 26887), (73, 26890), (74, 26896), (86, 26971), (91, 26992), (94, 27010), (100, 27043), (101, 27046), (104, 27067),

Gene: PeterPeter_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for PeterPeter_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: PetiteSangsue_34 Start: 26764, Stop: 27189, Start Num: 53
Candidate Starts for PetiteSangsue_34:
(Start: 53 @26764 has 116 MA's), (Start: 64 @26821 has 4 MA's), (66, 26833), (70, 26875), (72, 26890), (73, 26893), (74, 26899), (86, 26974), (91, 26995), (94, 27013), (100, 27046), (101, 27049),

(104, 27070),

Gene: PetterN_33 Start: 25547, Stop: 25975, Start Num: 50
Candidate Starts for PetterN_33:
(Start: 50 @25547 has 51 MA's), (66, 25616), (67, 25631), (70, 25658), (72, 25679), (88, 25772), (91, 25787), (94, 25805), (99, 25832), (100, 25838), (101, 25841), (109, 25886), (111, 25895), (117, 25931),

Gene: Ph8s_36 Start: 25834, Stop: 26274, Start Num: 51
Candidate Starts for Ph8s_36:
(Start: 51 @25834 has 177 MA's), (66, 25915), (72, 25972), (73, 25975), (75, 25984), (82, 26023), (92, 26086), (94, 26098), (100, 26131), (101, 26134), (110, 26185), (111, 26188), (113, 26194), (118, 26227), (123, 26236), (129, 26257),

Gene: Phacado_34 Start: 26709, Stop: 27134, Start Num: 53
Candidate Starts for Phacado_34:
(37, 26628), (Start: 45 @26688 has 8 MA's), (Start: 53 @26709 has 116 MA's), (Start: 55 @26715 has 2 MA's), (Start: 59 @26733 has 1 MA's), (Start: 64 @26766 has 4 MA's), (66, 26778), (70, 26820), (72, 26835), (86, 26919), (91, 26940), (92, 26946), (94, 26958), (100, 26991), (101, 26994), (104, 27015),

Gene: Phaded_39 Start: 28735, Stop: 29169, Start Num: 54
Candidate Starts for Phaded_39:
(Start: 54 @28735 has 61 MA's), (72, 28870), (81, 28912), (90, 28975), (92, 28984), (94, 28996), (100, 29029),

Gene: PhailMary_29 Start: 24508, Stop: 24984, Start Num: 51
Candidate Starts for PhailMary_29:
(Start: 51 @24508 has 177 MA's), (57, 24523), (72, 24661), (73, 24664), (76, 24676), (78, 24688), (85, 24751), (87, 24757), (94, 24793), (107, 24868), (110, 24889), (111, 24892), (116, 24925),

Gene: Phantastic_34 Start: 26487, Stop: 26918, Start Num: 51
Candidate Starts for Phantastic_34:
(7, 26301), (22, 26373), (Start: 24 @26379 has 9 MA's), (Start: 51 @26487 has 177 MA's), (71, 26613), (72, 26631), (75, 26643), (81, 26673), (82, 26682), (90, 26736), (92, 26745), (94, 26757), (100, 26790), (111, 26847), (119, 26880),

Gene: Phelipe_34 Start: 26632, Stop: 27078, Start Num: 51
Candidate Starts for Phelipe_34:
(Start: 51 @26632 has 177 MA's), (Start: 54 @26635 has 61 MA's), (56, 26641), (Start: 58 @26662 has 6 MA's), (67, 26728), (72, 26776), (73, 26779), (75, 26788), (81, 26818), (90, 26881), (92, 26890), (100, 26935),

Gene: Phighter1804_34 Start: 26749, Stop: 27177, Start Num: 53
Candidate Starts for Phighter1804_34:
(Start: 43 @26707 has 1 MA's), (Start: 53 @26749 has 116 MA's), (Start: 58 @26767 has 6 MA's), (Start: 61 @26791 has 4 MA's), (70, 26860), (72, 26875), (74, 26884), (75, 26887), (78, 26902), (87, 26965), (91, 26983), (92, 26989), (94, 27001), (97, 27025), (99, 27028), (100, 27034),

Gene: Phillis_31 Start: 25226, Stop: 25666, Start Num: 51
Candidate Starts for Phillis_31:
(Start: 51 @25226 has 177 MA's), (Start: 61 @25277 has 4 MA's), (62, 25280), (66, 25304), (70, 25346), (72, 25367), (76, 25382), (77, 25391), (80, 25400), (83, 25424), (92, 25481), (94, 25493), (95, 25508), (98, 25526), (99, 25529), (100, 25535), (101, 25538), (108, 25574), (111, 25592), (121,

25637),

Gene: PhishRPhriends_35 Start: 26200, Stop: 26637, Start Num: 51
Candidate Starts for PhishRPhriends_35:
(27, 26098), (Start: 51 @26200 has 177 MA's), (72, 26344), (81, 26386), (92, 26458), (94, 26470), (100, 26503), (101, 26506), (110, 26557), (111, 26560),

Gene: Phlorence_31 Start: 26053, Stop: 26472, Start Num: 50
Candidate Starts for Phlorence_31:
(Start: 50 @26053 has 51 MA's), (Start: 64 @26110 has 4 MA's), (72, 26185), (91, 26293), (94, 26311), (99, 26338), (100, 26344), (101, 26347), (109, 26392), (111, 26401),

Gene: Phoebe_37 Start: 27192, Stop: 27623, Start Num: 51
Candidate Starts for Phoebe_37:
(22, 27078), (Start: 24 @27084 has 9 MA's), (Start: 51 @27192 has 177 MA's), (Start: 64 @27261 has 4 MA's), (72, 27330), (73, 27333), (82, 27381), (92, 27444), (94, 27456), (100, 27489), (101, 27492), (110, 27543), (111, 27546), (119, 27585),

Gene: Phontbonne_34 Start: 26706, Stop: 27134, Start Num: 53
Candidate Starts for Phontbonne_34:
(Start: 43 @26664 has 1 MA's), (Start: 53 @26706 has 116 MA's), (Start: 58 @26724 has 6 MA's), (Start: 61 @26748 has 4 MA's), (70, 26817), (72, 26832), (74, 26841), (75, 26844), (78, 26859), (87, 26922), (91, 26940), (92, 26946), (94, 26958), (97, 26982), (99, 26985), (100, 26991),

Gene: Phoxy_37 Start: 27399, Stop: 27830, Start Num: 52
Candidate Starts for Phoxy_37:
(35, 27315), (Start: 48 @27393 has 3 MA's), (Start: 52 @27399 has 12 MA's), (Start: 59 @27423 has 1 MA's), (70, 27510), (72, 27531), (73, 27534), (78, 27558), (86, 27618), (88, 27624), (91, 27639), (92, 27645), (98, 27687), (100, 27696), (101, 27699), (110, 27750), (111, 27753), (119, 27792),

Gene: Phrankenstein_30 Start: 24132, Stop: 24608, Start Num: 51
Candidate Starts for Phrankenstein_30:
(Start: 51 @24132 has 177 MA's), (57, 24147), (72, 24285), (73, 24288), (76, 24300), (78, 24312), (85, 24375), (87, 24381), (94, 24417), (107, 24492), (110, 24513), (111, 24516), (116, 24549),

Gene: Phranny_37 Start: 27008, Stop: 27445, Start Num: 51
Candidate Starts for Phranny_37:
(27, 26906), (Start: 51 @27008 has 177 MA's), (72, 27152), (81, 27194), (92, 27266), (94, 27278), (100, 27311), (101, 27314), (110, 27365), (111, 27368),

Gene: PickleBack_31 Start: 25767, Stop: 26186, Start Num: 50
Candidate Starts for PickleBack_31:
(Start: 50 @25767 has 51 MA's), (Start: 64 @25824 has 4 MA's), (72, 25899), (91, 26007), (94, 26025), (99, 26052), (100, 26058), (101, 26061), (109, 26106), (111, 26115),

Gene: Pipcraft_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Pipcraft_34:
(37, 26629), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Piro94_35 Start: 27208, Stop: 27645, Start Num: 51
Candidate Starts for Piro94_35:

(Start: 51 @27208 has 177 MA's), (72, 27346), (81, 27388), (82, 27397), (83, 27403), (90, 27451), (100, 27505), (101, 27508),

Gene: Pistachio_35 Start: 26255, Stop: 26680, Start Num: 51
Candidate Starts for Pistachio_35:
(22, 26141), (Start: 24 @26147 has 9 MA's), (Start: 46 @26240 has 3 MA's), (Start: 51 @26255 has 177 MA's), (72, 26393), (90, 26498), (91, 26501), (92, 26507), (94, 26519), (100, 26552), (101, 26555), (111, 26609), (119, 26642),

Gene: Polymorphads_34 Start: 26628, Stop: 27074, Start Num: 51
Candidate Starts for Polymorphads_34:
(Start: 51 @26628 has 177 MA's), (Start: 54 @26631 has 61 MA's), (56, 26637), (Start: 58 @26658 has 6 MA's), (67, 26724), (72, 26772), (73, 26775), (75, 26784), (81, 26814), (90, 26877), (92, 26886), (100, 26931),

Gene: Pomar16_38 Start: 26906, Stop: 27343, Start Num: 51
Candidate Starts for Pomar16_38:
(Start: 51 @26906 has 177 MA's), (70, 27029), (72, 27044), (81, 27086), (82, 27095), (91, 27152), (94, 27170), (100, 27203), (101, 27206),

Gene: Poompha_33 Start: 25545, Stop: 25979, Start Num: 53
Candidate Starts for Poompha_33:
(Start: 53 @25545 has 116 MA's), (70, 25656), (72, 25671), (73, 25674), (75, 25683), (87, 25761), (92, 25785), (94, 25797), (100, 25830), (101, 25833),

Gene: PotatoSplit_38 Start: 27200, Stop: 27631, Start Num: 51
Candidate Starts for PotatoSplit_38:
(22, 27086), (Start: 24 @27092 has 9 MA's), (Start: 51 @27200 has 177 MA's), (Start: 64 @27269 has 4 MA's), (72, 27338), (73, 27341), (82, 27389), (92, 27452), (94, 27464), (100, 27497), (101, 27500), (110, 27551), (111, 27554), (119, 27593),

Gene: Power_34 Start: 26817, Stop: 27251, Start Num: 54
Candidate Starts for Power_34:
(Start: 54 @26817 has 61 MA's), (72, 26952), (81, 26994), (90, 27057), (92, 27066), (94, 27078), (100, 27111),

Gene: Prinashe11_31 Start: 25912, Stop: 26340, Start Num: 50
Candidate Starts for Prinashe11_31:
(Start: 50 @25912 has 51 MA's), (Start: 64 @25969 has 4 MA's), (72, 26044), (82, 26095), (91, 26152), (94, 26170), (99, 26197), (100, 26203), (101, 26206), (109, 26251), (111, 26260), (117, 26296),

Gene: Pukovnik_36 Start: 27948, Stop: 28388, Start Num: 54
Candidate Starts for Pukovnik_36:
(Start: 51 @27945 has 177 MA's), (Start: 54 @27948 has 61 MA's), (56, 27954), (72, 28089), (81, 28131), (82, 28140), (90, 28194), (92, 28203), (94, 28215), (100, 28248), (101, 28251),

Gene: Pumbaa_34 Start: 26757, Stop: 27185, Start Num: 53
Candidate Starts for Pumbaa_34:
(Start: 43 @26715 has 1 MA's), (Start: 53 @26757 has 116 MA's), (Start: 58 @26775 has 6 MA's), (Start: 61 @26799 has 4 MA's), (70, 26868), (72, 26883), (74, 26892), (75, 26895), (78, 26910), (87, 26973), (91, 26991), (92, 26997), (94, 27009), (97, 27033), (99, 27036), (100, 27042),

Gene: Puppy_35 Start: 26325, Stop: 26750, Start Num: 51

Candidate Starts for Puppy_35:
(22, 26211), (Start: 24 @26217 has 9 MA's), (Start: 46 @26310 has 3 MA's), (Start: 51 @26325 has 177 MA's), (Start: 58 @26355 has 6 MA's), (72, 26463), (90, 26568), (91, 26571), (92, 26577), (94, 26589), (100, 26622), (101, 26625), (111, 26679), (119, 26712),

Gene: PurpleHaze_36 Start: 27021, Stop: 27458, Start Num: 51
Candidate Starts for PurpleHaze_36:
(27, 26919), (Start: 51 @27021 has 177 MA's), (72, 27165), (81, 27207), (92, 27279), (94, 27291), (100, 27324), (101, 27327), (110, 27378), (111, 27381),

Gene: QueenB2_35 Start: 26878, Stop: 27315, Start Num: 51
Candidate Starts for QueenB2_35:
(22, 26767), (33, 26791), (Start: 51 @26878 has 177 MA's), (70, 27001), (72, 27016), (81, 27058), (82, 27067), (90, 27121), (91, 27124), (92, 27130), (94, 27142), (100, 27175),

Gene: QueenBeesly_35 Start: 26764, Stop: 27198, Start Num: 54
Candidate Starts for QueenBeesly_35:
(Start: 54 @26764 has 61 MA's), (72, 26899), (81, 26941), (90, 27004), (92, 27013), (94, 27025), (100, 27058),

Gene: Quokka_34 Start: 26009, Stop: 26440, Start Num: 51
Candidate Starts for Quokka_34:
(Start: 51 @26009 has 177 MA's), (Start: 64 @26078 has 4 MA's), (75, 26159), (78, 26174), (86, 26234), (87, 26237), (93, 26264), (94, 26273), (100, 26306), (101, 26309), (110, 26360), (111, 26363), (113, 26369), (114, 26384),

Gene: RER2_23 Start: 21073, Stop: 21534, Start Num: 57
Candidate Starts for RER2_23:
(Start: 51 @21058 has 177 MA's), (57, 21073), (72, 21211), (73, 21214), (76, 21226), (78, 21238), (85, 21301), (87, 21307), (94, 21343), (107, 21418), (110, 21439), (111, 21442), (116, 21475),

Gene: RGL3_23 Start: 21544, Stop: 22017, Start Num: 51
Candidate Starts for RGL3_23:
(5, 21337), (17, 21412), (20, 21418), (34, 21457), (Start: 51 @21544 has 177 MA's), (72, 21697), (73, 21700), (76, 21712), (78, 21724), (85, 21787), (90, 21808), (103, 21886), (110, 21925), (111, 21928), (120, 21970),

Gene: Rasputin_30 Start: 24156, Stop: 24632, Start Num: 51
Candidate Starts for Rasputin_30:
(Start: 51 @24156 has 177 MA's), (72, 24309), (73, 24312), (76, 24324), (78, 24336), (85, 24399), (87, 24405), (94, 24441), (107, 24516), (109, 24531), (110, 24537), (111, 24540),

Gene: Reba_37 Start: 26681, Stop: 27118, Start Num: 51
Candidate Starts for Reba_37:
(27, 26579), (Start: 51 @26681 has 177 MA's), (72, 26825), (81, 26867), (92, 26939), (94, 26951), (100, 26984), (101, 26987), (110, 27038), (111, 27041),

Gene: Rebeuca_36 Start: 27118, Stop: 27543, Start Num: 54
Candidate Starts for Rebeuca_36:
(38, 27046), (Start: 54 @27118 has 61 MA's), (70, 27223), (72, 27238), (75, 27250), (91, 27343), (92, 27349), (94, 27361), (100, 27394), (109, 27442),

Gene: Relief_34 Start: 26710, Stop: 27135, Start Num: 53

Candidate Starts for Relief_34:
(10, 26563), (21, 26587), (37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Retro23_36 Start: 27143, Stop: 27580, Start Num: 51
Candidate Starts for Retro23_36:
(2, 26879), (22, 27032), (33, 27056), (Start: 51 @27143 has 177 MA's), (Start: 64 @27212 has 4 MA's), (70, 27266), (72, 27281), (81, 27323), (82, 27332), (90, 27386), (91, 27389), (92, 27395), (94, 27407), (100, 27440),

Gene: RexFury_30 Start: 24217, Stop: 24693, Start Num: 51
Candidate Starts for RexFury_30:
(Start: 51 @24217 has 177 MA's), (72, 24370), (73, 24373), (76, 24385), (78, 24397), (85, 24460), (87, 24466), (94, 24502), (107, 24577), (110, 24598), (111, 24601), (116, 24634),

Gene: Roary_31 Start: 25125, Stop: 25553, Start Num: 50
Candidate Starts for Roary_31:
(13, 24987), (19, 25002), (28, 25026), (30, 25029), (Start: 50 @25125 has 51 MA's), (70, 25236), (72, 25257), (75, 25269), (78, 25284), (80, 25290), (86, 25344), (87, 25347), (93, 25374), (94, 25383), (99, 25410), (100, 25416), (101, 25419), (111, 25473),

Gene: RockieBear_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for RockieBear_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Rocksand_34 Start: 26706, Stop: 27131, Start Num: 53
Candidate Starts for Rocksand_34:
(10, 26559), (21, 26583), (37, 26625), (Start: 45 @26685 has 8 MA's), (Start: 53 @26706 has 116 MA's), (Start: 55 @26712 has 2 MA's), (Start: 59 @26730 has 1 MA's), (Start: 64 @26763 has 4 MA's), (66, 26775), (70, 26817), (72, 26832), (86, 26916), (91, 26937), (92, 26943), (94, 26955), (100, 26988), (101, 26991), (104, 27012),

Gene: Rockstar_34 Start: 26469, Stop: 26894, Start Num: 51
Candidate Starts for Rockstar_34:
(Start: 51 @26469 has 177 MA's), (Start: 54 @26472 has 61 MA's), (72, 26607), (82, 26658), (90, 26712), (92, 26721), (94, 26733), (100, 26766), (110, 26820), (111, 26823), (119, 26856),

Gene: Romney_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Romney_34:
(10, 26563), (12, 26566), (21, 26587), (37, 26629), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Roosevelt_34 Start: 26712, Stop: 27137, Start Num: 53
Candidate Starts for Roosevelt_34:
(10, 26565), (21, 26589), (37, 26631), (Start: 45 @26691 has 8 MA's), (Start: 53 @26712 has 116 MA's), (Start: 55 @26718 has 2 MA's), (Start: 59 @26736 has 1 MA's), (Start: 64 @26769 has 4 MA's), (66, 26781), (70, 26823), (72, 26838), (86, 26922), (91, 26943), (92, 26949), (94, 26961), (100, 26994),

(101, 26997), (104, 27018),

Gene: Rosa24_33 Start: 26798, Stop: 27184, Start Num: 61
Candidate Starts for Rosa24_33:
(Start: 53 @26756 has 116 MA's), (Start: 58 @26774 has 6 MA's), (Start: 61 @26798 has 4 MA's), (70, 26867), (72, 26882), (75, 26894), (87, 26972), (90, 26987), (92, 26996), (94, 27008), (99, 27035), (100, 27041),

Gene: Ruin_34 Start: 26706, Stop: 27131, Start Num: 53
Candidate Starts for Ruin_34:
(37, 26625), (Start: 45 @26685 has 8 MA's), (Start: 53 @26706 has 116 MA's), (Start: 55 @26712 has 2 MA's), (Start: 59 @26730 has 1 MA's), (Start: 64 @26763 has 4 MA's), (66, 26775), (70, 26817), (72, 26832), (86, 26916), (91, 26937), (92, 26943), (94, 26955), (100, 26988), (101, 26991), (104, 27012),

Gene: Rummer_37 Start: 27423, Stop: 27830, Start Num: 59
Candidate Starts for Rummer_37:
(35, 27315), (Start: 48 @27393 has 3 MA's), (Start: 52 @27399 has 12 MA's), (Start: 59 @27423 has 1 MA's), (70, 27510), (72, 27531), (73, 27534), (78, 27558), (86, 27618), (88, 27624), (91, 27639), (92, 27645), (98, 27687), (100, 27696), (101, 27699), (110, 27750), (111, 27753), (119, 27792),

Gene: Sabertooth_34 Start: 26709, Stop: 27134, Start Num: 53
Candidate Starts for Sabertooth_34:
(10, 26562), (21, 26586), (37, 26628), (Start: 53 @26709 has 116 MA's), (Start: 55 @26715 has 2 MA's), (Start: 59 @26733 has 1 MA's), (Start: 64 @26766 has 4 MA's), (66, 26778), (70, 26820), (72, 26835), (86, 26919), (91, 26940), (92, 26946), (94, 26958), (100, 26991), (101, 26994), (104, 27015),

Gene: Sabia_37 Start: 27085, Stop: 27624, Start Num: 24
Candidate Starts for Sabia_37:
(22, 27079), (Start: 24 @27085 has 9 MA's), (Start: 51 @27193 has 177 MA's), (Start: 64 @27262 has 4 MA's), (72, 27331), (73, 27334), (82, 27382), (92, 27445), (94, 27457), (100, 27490), (101, 27493), (110, 27544), (111, 27547), (119, 27586),

Gene: Scamp_34 Start: 26712, Stop: 27137, Start Num: 53
Candidate Starts for Scamp_34:
(37, 26631), (Start: 53 @26712 has 116 MA's), (Start: 55 @26718 has 2 MA's), (Start: 59 @26736 has 1 MA's), (Start: 64 @26769 has 4 MA's), (66, 26781), (70, 26823), (72, 26838), (86, 26922), (91, 26943), (92, 26949), (94, 26961), (100, 26994), (101, 26997), (104, 27018),

Gene: Scorpia_33 Start: 25624, Stop: 26052, Start Num: 50
Candidate Starts for Scorpia_33:
(Start: 50 @25624 has 51 MA's), (66, 25693), (67, 25708), (70, 25735), (72, 25756), (88, 25849), (91, 25864), (94, 25882), (99, 25909), (100, 25915), (101, 25918), (109, 25963), (111, 25972), (117, 26008),

Gene: Scout_34 Start: 26015, Stop: 26440, Start Num: 51
Candidate Starts for Scout_34:
(22, 25901), (Start: 24 @25907 has 9 MA's), (Start: 46 @26000 has 3 MA's), (Start: 51 @26015 has 177 MA's), (72, 26153), (90, 26258), (91, 26261), (92, 26267), (94, 26279), (100, 26312), (101, 26315), (111, 26369), (119, 26402),

Gene: SemperFi_36 Start: 27032, Stop: 27466, Start Num: 54
Candidate Starts for SemperFi_36:

(31, 26936), (Start: 54 @27032 has 61 MA's), (72, 27167), (81, 27209), (90, 27272), (92, 27281), (94, 27293), (100, 27326),

Gene: SenorClean_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for SenorClean_34:
(10, 26563), (21, 26587), (37, 26629), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Serenity_36 Start: 26135, Stop: 26563, Start Num: 51
Candidate Starts for Serenity_36:
(Start: 51 @26135 has 177 MA's), (Start: 64 @26204 has 4 MA's), (78, 26300), (80, 26306), (82, 26324), (86, 26360), (87, 26363), (94, 26399), (100, 26432), (101, 26435), (110, 26486), (111, 26489),

Gene: Severus_33 Start: 25545, Stop: 25979, Start Num: 53
Candidate Starts for Severus_33:
(Start: 53 @25545 has 116 MA's), (70, 25656), (72, 25671), (73, 25674), (75, 25683), (87, 25761), (92, 25785), (94, 25797), (100, 25830), (101, 25833),

Gene: Shaka_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Shaka_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: SheaKeira_36 Start: 26902, Stop: 27321, Start Num: 49
Candidate Starts for SheaKeira_36:
(47, 26890), (Start: 49 @26902 has 4 MA's), (Start: 59 @26926 has 1 MA's), (70, 27013), (72, 27034), (94, 27160), (100, 27193), (110, 27247), (111, 27250),

Gene: SheldonCooper_35 Start: 26998, Stop: 27414, Start Num: 58
Candidate Starts for SheldonCooper_35:
(Start: 51 @26968 has 177 MA's), (Start: 54 @26971 has 61 MA's), (56, 26977), (Start: 58 @26998 has 6 MA's), (67, 27064), (72, 27112), (73, 27115), (75, 27124), (81, 27154), (90, 27217), (91, 27220), (92, 27226), (100, 27271), (125, 27382),

Gene: Shuman_30 Start: 24199, Stop: 24675, Start Num: 51
Candidate Starts for Shuman_30:
(Start: 51 @24199 has 177 MA's), (57, 24214), (72, 24352), (73, 24355), (76, 24367), (78, 24379), (85, 24442), (87, 24448), (94, 24484), (107, 24559), (110, 24580), (111, 24583), (116, 24616),

Gene: Shygu2_34 Start: 26704, Stop: 27129, Start Num: 53
Candidate Starts for Shygu2_34:
(10, 26557), (21, 26581), (37, 26623), (Start: 53 @26704 has 116 MA's), (Start: 55 @26710 has 2 MA's), (Start: 59 @26728 has 1 MA's), (Start: 64 @26761 has 4 MA's), (66, 26773), (70, 26815), (72, 26830), (86, 26914), (91, 26935), (92, 26941), (94, 26953), (100, 26986), (101, 26989), (104, 27010),

Gene: Skadoosh_35 Start: 26716, Stop: 27135, Start Num: 55
Candidate Starts for Skadoosh_35:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Skipitt_34 Start: 26707, Stop: 27132, Start Num: 53
Candidate Starts for Skipitt_34:
(37, 26626), (Start: 45 @26686 has 8 MA's), (Start: 53 @26707 has 116 MA's), (Start: 55 @26713 has 2 MA's), (Start: 59 @26731 has 1 MA's), (Start: 64 @26764 has 4 MA's), (66, 26776), (70, 26818), (72, 26833), (86, 26917), (91, 26938), (92, 26944), (94, 26956), (100, 26989), (101, 26992), (104, 27013),

Gene: Sknot_35 Start: 26893, Stop: 27330, Start Num: 51
Candidate Starts for Sknot_35:
(22, 26782), (33, 26806), (Start: 51 @26893 has 177 MA's), (Start: 64 @26962 has 4 MA's), (70, 27016), (72, 27031), (81, 27073), (82, 27082), (90, 27136), (92, 27145), (100, 27190), (101, 27193),

Gene: Smeadley_31 Start: 25158, Stop: 25580, Start Num: 50
Candidate Starts for Smeadley_31:
(13, 25020), (28, 25059), (30, 25062), (Start: 50 @25158 has 51 MA's), (Start: 64 @25215 has 4 MA's), (70, 25269), (72, 25290), (75, 25302), (78, 25317), (80, 25323), (86, 25377), (87, 25380), (90, 25395), (93, 25407), (94, 25416), (99, 25443), (100, 25449), (101, 25452), (111, 25506), (112, 25509), (115, 25530),

Gene: Smeagan_37 Start: 27276, Stop: 27716, Start Num: 54
Candidate Starts for Smeagan_37:
(Start: 54 @27276 has 61 MA's), (Start: 58 @27303 has 6 MA's), (69, 27384), (70, 27396), (72, 27417), (81, 27459), (82, 27468), (88, 27510), (90, 27522), (91, 27525), (92, 27531), (94, 27543), (99, 27570), (100, 27576),

Gene: SnapTap_35 Start: 26840, Stop: 27277, Start Num: 51
Candidate Starts for SnapTap_35:
(22, 26729), (33, 26753), (Start: 51 @26840 has 177 MA's), (Start: 64 @26909 has 4 MA's), (70, 26963), (72, 26978), (81, 27020), (82, 27029), (90, 27083), (92, 27092), (94, 27104), (100, 27137),

Gene: Snickers_37 Start: 27173, Stop: 27604, Start Num: 51
Candidate Starts for Snickers_37:
(22, 27059), (Start: 24 @27065 has 9 MA's), (Start: 51 @27173 has 177 MA's), (Start: 64 @27242 has 4 MA's), (72, 27311), (73, 27314), (82, 27362), (92, 27425), (94, 27437), (100, 27470), (101, 27473), (110, 27524), (111, 27527), (119, 27566),

Gene: SoYo_37 Start: 27111, Stop: 27542, Start Num: 51
Candidate Starts for SoYo_37:
(22, 26997), (Start: 24 @27003 has 9 MA's), (Start: 51 @27111 has 177 MA's), (Start: 64 @27180 has 4 MA's), (72, 27249), (73, 27252), (82, 27300), (92, 27363), (94, 27375), (100, 27408), (101, 27411), (110, 27462), (111, 27465), (119, 27504),

Gene: SoilDragon_36 Start: 26645, Stop: 27076, Start Num: 51
Candidate Starts for SoilDragon_36:
(Start: 51 @26645 has 177 MA's), (72, 26783), (73, 26786), (82, 26834), (92, 26897), (94, 26909), (100, 26942), (101, 26945), (110, 26996), (111, 26999), (119, 27038),

Gene: SororFago_39 Start: 28712, Stop: 29131, Start Num: 51
Candidate Starts for SororFago_39:
(Start: 51 @28712 has 177 MA's), (Start: 58 @28730 has 6 MA's), (63, 28760), (70, 28823), (72, 28838), (90, 28943), (91, 28946), (92, 28952), (94, 28964), (100, 28997), (101, 29000), (110, 29051), (111, 29054), (119, 29093),

Gene: Soshari_39 Start: 27392, Stop: 27829, Start Num: 48

Candidate Starts for Soshari_39:
(35, 27314), (Start: 48 @27392 has 3 MA's), (Start: 52 @27398 has 12 MA's), (Start: 59 @27422 has 1 MA's), (70, 27509), (72, 27530), (73, 27533), (78, 27557), (86, 27617), (88, 27623), (91, 27638), (92, 27644), (98, 27686), (100, 27695), (101, 27698), (110, 27749), (111, 27752), (119, 27791),

Gene: Sparxx_34 Start: 26633, Stop: 27076, Start Num: 54
Candidate Starts for Sparxx_34:
(Start: 51 @26630 has 177 MA's), (Start: 54 @26633 has 61 MA's), (56, 26639), (Start: 58 @26660 has 6 MA's), (67, 26726), (72, 26774), (73, 26777), (75, 26786), (81, 26816), (90, 26879), (92, 26888), (100, 26933),

Gene: Spike509_37 Start: 27399, Stop: 27830, Start Num: 52
Candidate Starts for Spike509_37:
(35, 27315), (Start: 48 @27393 has 3 MA's), (Start: 52 @27399 has 12 MA's), (Start: 59 @27423 has 1 MA's), (70, 27510), (72, 27531), (73, 27534), (78, 27558), (86, 27618), (88, 27624), (91, 27639), (92, 27645), (98, 27687), (100, 27696), (101, 27699), (110, 27750), (111, 27753), (119, 27792),

Gene: Spino_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Spino_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: StCroix_30 Start: 24199, Stop: 24675, Start Num: 51
Candidate Starts for StCroix_30:
(Start: 51 @24199 has 177 MA's), (57, 24214), (72, 24352), (73, 24355), (76, 24367), (78, 24379), (85, 24442), (87, 24448), (94, 24484), (107, 24559), (110, 24580), (111, 24583), (116, 24616),

Gene: Stagni_37 Start: 27202, Stop: 27633, Start Num: 51
Candidate Starts for Stagni_37:
(22, 27088), (Start: 24 @27094 has 9 MA's), (Start: 51 @27202 has 177 MA's), (Start: 64 @27271 has 4 MA's), (72, 27340), (73, 27343), (82, 27391), (92, 27454), (94, 27466), (100, 27499), (101, 27502), (110, 27553), (111, 27556), (119, 27595),

Gene: StarStuff_38 Start: 26868, Stop: 27305, Start Num: 51
Candidate Starts for StarStuff_38:
(Start: 51 @26868 has 177 MA's), (Start: 54 @26871 has 61 MA's), (70, 26991), (72, 27006), (81, 27048), (82, 27057), (90, 27111), (91, 27114), (94, 27132), (100, 27165), (101, 27168),

Gene: Stasia_35 Start: 27151, Stop: 27576, Start Num: 53
Candidate Starts for Stasia_35:
(Start: 53 @27151 has 116 MA's), (Start: 55 @27157 has 2 MA's), (Start: 59 @27175 has 1 MA's), (Start: 64 @27208 has 4 MA's), (70, 27262), (72, 27277), (86, 27361), (91, 27382), (92, 27388), (94, 27400), (100, 27433), (101, 27436), (109, 27481),

Gene: SteMason_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for SteMason_34:
(37, 26629), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: StepMih_37 Start: 27193, Stop: 27624, Start Num: 51
Candidate Starts for StepMih_37:

(22, 27079), (Start: 24 @27085 has 9 MA's), (Start: 51 @27193 has 177 MA's), (Start: 64 @27262 has 4 MA's), (72, 27331), (73, 27334), (82, 27382), (92, 27445), (94, 27457), (100, 27490), (101, 27493), (110, 27544), (111, 27547), (119, 27586),

Gene: Stephig9_31 Start: 25141, Stop: 25581, Start Num: 51
Candidate Starts for Stephig9_31:
(Start: 51 @25141 has 177 MA's), (Start: 61 @25192 has 4 MA's), (66, 25219), (70, 25261), (72, 25282), (76, 25297), (79, 25312), (80, 25315), (83, 25339), (88, 25375), (92, 25396), (94, 25408), (95, 25423), (96, 25426), (99, 25444), (108, 25489), (111, 25507), (112, 25510), (121, 25552),

Gene: Stink_35 Start: 27373, Stop: 27801, Start Num: 53
Candidate Starts for Stink_35:
(Start: 53 @27373 has 116 MA's), (Start: 58 @27391 has 6 MA's), (66, 27442), (70, 27484), (72, 27499), (74, 27508), (75, 27511), (91, 27607), (92, 27613), (94, 27625), (100, 27658), (107, 27691), (125, 27769),

Gene: Sultana_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Sultana_34:
(Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Superchunk_34 Start: 25405, Stop: 25860, Start Num: 51
Candidate Starts for Superchunk_34:
(Start: 51 @25405 has 177 MA's), (Start: 64 @25474 has 4 MA's), (66, 25486), (70, 25528), (72, 25543), (73, 25546), (74, 25552), (75, 25555), (82, 25594), (94, 25669), (100, 25702), (101, 25705), (110, 25756), (111, 25759),

Gene: Swann_30 Start: 24186, Stop: 24662, Start Num: 51
Candidate Starts for Swann_30:
(Start: 51 @24186 has 177 MA's), (72, 24339), (73, 24342), (76, 24354), (78, 24366), (85, 24429), (87, 24435), (94, 24471), (107, 24546), (110, 24567), (111, 24570), (116, 24603),

Gene: SweetiePie_35 Start: 26840, Stop: 27277, Start Num: 51
Candidate Starts for SweetiePie_35:
(22, 26729), (33, 26753), (Start: 51 @26840 has 177 MA's), (Start: 64 @26909 has 4 MA's), (72, 26978), (81, 27020), (82, 27029), (90, 27083), (92, 27092), (94, 27104), (100, 27137),

Gene: SwirlSquare_35 Start: 25429, Stop: 25884, Start Num: 51
Candidate Starts for SwirlSquare_35:
(Start: 51 @25429 has 177 MA's), (68, 25534), (70, 25552), (72, 25567), (73, 25570), (74, 25576), (75, 25579), (82, 25618), (89, 25663), (92, 25681), (94, 25693), (100, 25726), (110, 25780), (111, 25783), (113, 25789),

Gene: Swirley_31 Start: 25920, Stop: 26345, Start Num: 50
Candidate Starts for Swirley_31:
(Start: 50 @25920 has 51 MA's), (Start: 64 @25977 has 4 MA's), (72, 26052), (82, 26103), (91, 26160), (94, 26178), (99, 26205), (100, 26211), (101, 26214), (110, 26265), (111, 26268), (119, 26307),

Gene: SydNat_31 Start: 26202, Stop: 26624, Start Num: 50
Candidate Starts for SydNat_31:
(Start: 50 @26202 has 51 MA's), (Start: 61 @26244 has 4 MA's), (Start: 64 @26259 has 4 MA's), (72, 26334), (82, 26385), (91, 26442), (99, 26487), (100, 26493), (101, 26496), (109, 26541), (111, 26550),

Gene: TNguyen7_34 Start: 26666, Stop: 27097, Start Num: 51
Candidate Starts for TNguyen7_34:
(9, 26516), (15, 26528), (29, 26567), (Start: 51 @26666 has 177 MA's), (56, 26675), (71, 26792), (72, 26810), (75, 26822), (81, 26852), (82, 26861), (90, 26915), (92, 26924), (94, 26936), (100, 26969), (111, 27026), (119, 27059),

Gene: TWAMP_30 Start: 24186, Stop: 24662, Start Num: 51
Candidate Starts for TWAMP_30:
(Start: 51 @24186 has 177 MA's), (57, 24201), (72, 24339), (73, 24342), (76, 24354), (78, 24366), (85, 24429), (87, 24435), (94, 24471), (107, 24546), (110, 24567), (111, 24570), (116, 24603),

Gene: Takoda_30 Start: 24159, Stop: 24635, Start Num: 51
Candidate Starts for Takoda_30:
(Start: 51 @24159 has 177 MA's), (72, 24312), (73, 24315), (76, 24327), (78, 24339), (85, 24402), (86, 24405), (87, 24408), (94, 24444), (107, 24519), (109, 24534), (110, 24540), (111, 24543),

Gene: Taquarus_34 Start: 26713, Stop: 27138, Start Num: 53
Candidate Starts for Taquarus_34:
(37, 26632), (Start: 45 @26692 has 8 MA's), (Start: 53 @26713 has 116 MA's), (Start: 55 @26719 has 2 MA's), (Start: 59 @26737 has 1 MA's), (Start: 64 @26770 has 4 MA's), (66, 26782), (70, 26824), (72, 26839), (86, 26923), (91, 26944), (92, 26950), (94, 26962), (100, 26995), (101, 26998), (104, 27019),

Gene: TarsusIV_34 Start: 26809, Stop: 27252, Start Num: 51
Candidate Starts for TarsusIV_34:
(Start: 51 @26809 has 177 MA's), (70, 26932), (72, 26953), (81, 26995), (90, 27058), (91, 27061), (94, 27079), (99, 27106), (100, 27112), (109, 27160),

Gene: Tarynearal_30 Start: 25942, Stop: 26370, Start Num: 50
Candidate Starts for Tarynearal_30:
(Start: 50 @25942 has 51 MA's), (Start: 64 @25999 has 4 MA's), (72, 26074), (82, 26125), (91, 26182), (94, 26200), (99, 26227), (100, 26233), (101, 26236), (109, 26281), (111, 26290), (117, 26326),

Gene: Taurus_37 Start: 27268, Stop: 27630, Start Num: 64
Candidate Starts for Taurus_37:
(22, 27085), (Start: 24 @27091 has 9 MA's), (Start: 51 @27199 has 177 MA's), (Start: 64 @27268 has 4 MA's), (72, 27337), (73, 27340), (82, 27388), (92, 27451), (94, 27463), (100, 27496), (101, 27499), (110, 27550), (111, 27553), (119, 27592),

Gene: Terrific_36 Start: 27287, Stop: 27670, Start Num: 61
Candidate Starts for Terrific_36:
(40, 27170), (Start: 54 @27236 has 61 MA's), (Start: 61 @27287 has 4 MA's), (72, 27371), (81, 27413), (82, 27422), (90, 27476), (91, 27479), (92, 27485), (94, 27497), (100, 27530),

Gene: Thanksgivukkah_34 Start: 26711, Stop: 27136, Start Num: 53
Candidate Starts for Thanksgivukkah_34:
(37, 26630), (Start: 45 @26690 has 8 MA's), (Start: 53 @26711 has 116 MA's), (Start: 55 @26717 has 2 MA's), (Start: 59 @26735 has 1 MA's), (Start: 64 @26768 has 4 MA's), (66, 26780), (70, 26822), (72, 26837), (86, 26921), (91, 26942), (92, 26948), (94, 26960), (100, 26993), (101, 26996), (104, 27017),

Gene: Theia_29 Start: 25966, Stop: 26394, Start Num: 50
Candidate Starts for Theia_29:

(Start: 50 @25966 has 51 MA's), (72, 26098), (82, 26149), (91, 26206), (94, 26224), (99, 26251), (100, 26257), (101, 26260), (109, 26305), (111, 26314), (117, 26350),

Gene: Tiffany_37 Start: 26977, Stop: 27516, Start Num: 24
Candidate Starts for Tiffany_37:
(22, 26971), (Start: 24 @26977 has 9 MA's), (Start: 51 @27085 has 177 MA's), (Start: 64 @27154 has 4 MA's), (72, 27223), (73, 27226), (82, 27274), (92, 27337), (94, 27349), (100, 27382), (101, 27385), (110, 27436), (111, 27439), (119, 27478),

Gene: Tiger_31 Start: 25844, Stop: 26263, Start Num: 50
Candidate Starts for Tiger_31:
(Start: 50 @25844 has 51 MA's), (Start: 64 @25901 has 4 MA's), (72, 25976), (91, 26084), (94, 26102), (99, 26129), (100, 26135), (101, 26138), (109, 26183), (111, 26192),

Gene: TinaFeyge_34 Start: 26627, Stop: 27073, Start Num: 51
Candidate Starts for TinaFeyge_34:
(Start: 51 @26627 has 177 MA's), (Start: 54 @26630 has 61 MA's), (56, 26636), (Start: 58 @26657 has 6 MA's), (67, 26723), (72, 26771), (73, 26774), (75, 26783), (81, 26813), (90, 26876), (92, 26885), (100, 26930),

Gene: TinyPebbles_37 Start: 27404, Stop: 27835, Start Num: 52
Candidate Starts for TinyPebbles_37:
(35, 27320), (Start: 48 @27398 has 3 MA's), (Start: 52 @27404 has 12 MA's), (Start: 59 @27428 has 1 MA's), (70, 27515), (72, 27536), (73, 27539), (86, 27623), (88, 27629), (91, 27644), (92, 27650), (98, 27692), (100, 27701), (101, 27704), (110, 27755), (111, 27758), (119, 27797),

Gene: Tinybot_33 Start: 26758, Stop: 27186, Start Num: 53
Candidate Starts for Tinybot_33:
(Start: 53 @26758 has 116 MA's), (Start: 58 @26776 has 6 MA's), (Start: 61 @26800 has 4 MA's), (70, 26869), (72, 26884), (75, 26896), (87, 26974), (90, 26989), (92, 26998), (94, 27010), (99, 27037), (100, 27043),

Gene: TipsytheTRex_34 Start: 26358, Stop: 26789, Start Num: 51
Candidate Starts for TipsytheTRex_34:
(Start: 51 @26358 has 177 MA's), (Start: 64 @26427 has 4 MA's), (75, 26508), (78, 26523), (86, 26583), (87, 26586), (93, 26613), (94, 26622), (100, 26655), (101, 26658), (110, 26709), (111, 26712), (113, 26718), (114, 26733),

Gene: TiroTheta9_34 Start: 26713, Stop: 27132, Start Num: 55
Candidate Starts for TiroTheta9_34:
(37, 26626), (Start: 45 @26686 has 8 MA's), (Start: 53 @26707 has 116 MA's), (Start: 55 @26713 has 2 MA's), (Start: 59 @26731 has 1 MA's), (Start: 64 @26764 has 4 MA's), (66, 26776), (70, 26818), (72, 26833), (86, 26917), (91, 26938), (92, 26944), (94, 26956), (100, 26989), (101, 26992), (104, 27013),

Gene: Tomathan_38 Start: 26865, Stop: 27302, Start Num: 51
Candidate Starts for Tomathan_38:
(Start: 51 @26865 has 177 MA's), (Start: 54 @26868 has 61 MA's), (70, 26988), (72, 27003), (81, 27045), (82, 27054), (90, 27108), (91, 27111), (94, 27129), (100, 27162), (101, 27165),

Gene: Topanga_35 Start: 26950, Stop: 27381, Start Num: 53
Candidate Starts for Topanga_35:
(41, 26914), (Start: 53 @26950 has 116 MA's), (Start: 54 @26953 has 61 MA's), (70, 27061), (72, 27076), (75, 27088), (91, 27181), (92, 27187), (94, 27199), (100, 27232), (109, 27280),

Gene: Travvers_38 Start: 26865, Stop: 27302, Start Num: 51
Candidate Starts for Travvers_38:
(Start: 51 @26865 has 177 MA's), (70, 26988), (72, 27003), (81, 27045), (82, 27054), (91, 27111), (94, 27129), (100, 27162), (101, 27165), (104, 27186),

Gene: Trike_32 Start: 25378, Stop: 25812, Start Num: 53
Candidate Starts for Trike_32:
(Start: 53 @25378 has 116 MA's), (63, 25426), (66, 25447), (72, 25504), (75, 25516), (87, 25594), (91, 25612), (92, 25618), (94, 25630), (100, 25663),

Gene: Tristan_36 Start: 28521, Stop: 28964, Start Num: 51
Candidate Starts for Tristan_36:
(Start: 51 @28521 has 177 MA's), (Start: 54 @28524 has 61 MA's), (56, 28530), (72, 28665), (81, 28707), (82, 28716), (87, 28755), (89, 28761), (90, 28770), (94, 28791), (100, 28824), (124, 28932),

Gene: Trixie_36 Start: 27768, Stop: 28199, Start Num: 51
Candidate Starts for Trixie_36:
(Start: 51 @27768 has 177 MA's), (Start: 64 @27837 has 4 MA's), (72, 27906), (81, 27948), (82, 27957), (91, 28014), (92, 28020), (94, 28032), (100, 28065), (101, 28068), (119, 28161), (127, 28176),

Gene: Trooper_36 Start: 27049, Stop: 27486, Start Num: 51
Candidate Starts for Trooper_36:
(22, 26938), (33, 26962), (Start: 51 @27049 has 177 MA's), (70, 27172), (72, 27187), (81, 27229), (82, 27238), (90, 27292), (91, 27295), (92, 27301), (94, 27313), (100, 27346),

Gene: TroyPia_34 Start: 26633, Stop: 27076, Start Num: 54
Candidate Starts for TroyPia_34:
(Start: 51 @26630 has 177 MA's), (Start: 54 @26633 has 61 MA's), (56, 26639), (Start: 58 @26660 has 6 MA's), (67, 26726), (72, 26774), (73, 26777), (75, 26786), (81, 26816), (90, 26879), (92, 26888), (100, 26933),

Gene: Turbido_35 Start: 27025, Stop: 27465, Start Num: 54
Candidate Starts for Turbido_35:
(Start: 54 @27025 has 61 MA's), (Start: 58 @27052 has 6 MA's), (69, 27133), (70, 27145), (72, 27166), (81, 27208), (82, 27217), (90, 27271), (91, 27274), (92, 27280), (94, 27292), (99, 27319), (100, 27325),

Gene: Twigg_31 Start: 25915, Stop: 26343, Start Num: 50
Candidate Starts for Twigg_31:
(Start: 50 @25915 has 51 MA's), (Start: 64 @25972 has 4 MA's), (72, 26047), (82, 26098), (91, 26155), (99, 26200), (100, 26206), (101, 26209), (109, 26254), (111, 26263), (117, 26299),

Gene: Twister_35 Start: 26858, Stop: 27289, Start Num: 53
Candidate Starts for Twister_35:
(41, 26822), (Start: 53 @26858 has 116 MA's), (Start: 54 @26861 has 61 MA's), (70, 26969), (72, 26984), (75, 26996), (91, 27089), (92, 27095), (94, 27107), (100, 27140), (101, 27143),

Gene: TygerBlood_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for TygerBlood_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: UhSalsa_30 Start: 24187, Stop: 24663, Start Num: 51
Candidate Starts for UhSalsa_30:
(Start: 51 @24187 has 177 MA's), (72, 24340), (73, 24343), (76, 24355), (78, 24367), (85, 24430), (87, 24436), (94, 24472), (107, 24547), (110, 24568), (111, 24571), (116, 24604),

Gene: Ulysses_33 Start: 26492, Stop: 26920, Start Num: 53
Candidate Starts for Ulysses_33:
(Start: 43 @26450 has 1 MA's), (Start: 53 @26492 has 116 MA's), (Start: 58 @26510 has 6 MA's), (Start: 61 @26534 has 4 MA's), (70, 26603), (72, 26618), (74, 26627), (75, 26630), (78, 26645), (87, 26708), (91, 26726), (92, 26732), (94, 26744), (97, 26768), (99, 26771), (100, 26777),

Gene: UnionJack_32 Start: 25288, Stop: 25707, Start Num: 50
Candidate Starts for UnionJack_32:
(Start: 50 @25288 has 51 MA's), (67, 25372), (68, 25381), (70, 25399), (72, 25420), (88, 25513), (91, 25528), (94, 25546), (99, 25573), (100, 25579), (101, 25582), (109, 25627), (111, 25636),

Gene: Updawg_36 Start: 27224, Stop: 27658, Start Num: 54
Candidate Starts for Updawg_36:
(40, 27158), (Start: 54 @27224 has 61 MA's), (Start: 61 @27275 has 4 MA's), (70, 27344), (72, 27359), (76, 27374), (81, 27401), (82, 27410), (90, 27464), (100, 27518), (101, 27521),

Gene: VA6_34 Start: 26805, Stop: 27239, Start Num: 54
Candidate Starts for VA6_34:
(Start: 51 @26802 has 177 MA's), (Start: 54 @26805 has 61 MA's), (70, 26925), (72, 26940), (81, 26982), (82, 26991), (91, 27048), (94, 27066), (100, 27099), (101, 27102),

Gene: VC3_37 Start: 26793, Stop: 27227, Start Num: 54
Candidate Starts for VC3_37:
(Start: 51 @26790 has 177 MA's), (Start: 54 @26793 has 61 MA's), (70, 26913), (72, 26928), (81, 26970), (82, 26979), (91, 27036), (94, 27054), (100, 27087), (101, 27090),

Gene: Vix_37 Start: 27174, Stop: 27713, Start Num: 24
Candidate Starts for Vix_37:
(22, 27168), (Start: 24 @27174 has 9 MA's), (Start: 51 @27282 has 177 MA's), (Start: 64 @27351 has 4 MA's), (72, 27420), (73, 27423), (82, 27471), (92, 27534), (94, 27546), (100, 27579), (101, 27582), (110, 27633), (111, 27636), (119, 27675),

Gene: WalterMcMickey_35 Start: 26858, Stop: 27289, Start Num: 53
Candidate Starts for WalterMcMickey_35:
(41, 26822), (Start: 53 @26858 has 116 MA's), (Start: 54 @26861 has 61 MA's), (70, 26969), (72, 26984), (75, 26996), (91, 27089), (92, 27095), (94, 27107), (100, 27140), (101, 27143),

Gene: Wander_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Wander_34:
(37, 26629), (Start: 45 @26689 has 8 MA's), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Watson_37 Start: 27192, Stop: 27623, Start Num: 51
Candidate Starts for Watson_37:
(22, 27078), (Start: 24 @27084 has 9 MA's), (Start: 51 @27192 has 177 MA's), (Start: 64 @27261 has 4 MA's), (72, 27330), (73, 27333), (82, 27381), (92, 27444), (94, 27456), (100, 27489), (101, 27492), (110, 27543), (111, 27546), (119, 27585),

Gene: WeiHuaDA_38 Start: 28460, Stop: 28894, Start Num: 54
Candidate Starts for WeiHuaDA_38:
(31, 28364), (40, 28394), (Start: 54 @28460 has 61 MA's), (67, 28553), (72, 28595), (81, 28637), (82, 28646), (90, 28700), (94, 28721),

Gene: Whabigail7_35 Start: 27013, Stop: 27453, Start Num: 54
Candidate Starts for Whabigail7_35:
(Start: 54 @27013 has 61 MA's), (Start: 58 @27040 has 6 MA's), (69, 27121), (70, 27133), (72, 27154), (81, 27196), (82, 27205), (90, 27259), (91, 27262), (92, 27268), (94, 27280), (99, 27307), (100, 27313),

Gene: WideWale_36 Start: 27224, Stop: 27658, Start Num: 54
Candidate Starts for WideWale_36:
(40, 27158), (Start: 54 @27224 has 61 MA's), (Start: 61 @27275 has 4 MA's), (70, 27344), (72, 27359), (76, 27374), (81, 27401), (82, 27410), (90, 27464), (100, 27518), (101, 27521),

Gene: Wilbur_34 Start: 26710, Stop: 27135, Start Num: 53
Candidate Starts for Wilbur_34:
(10, 26563), (12, 26566), (21, 26587), (37, 26629), (Start: 53 @26710 has 116 MA's), (Start: 55 @26716 has 2 MA's), (Start: 59 @26734 has 1 MA's), (Start: 64 @26767 has 4 MA's), (66, 26779), (70, 26821), (72, 26836), (86, 26920), (91, 26941), (92, 26947), (94, 26959), (100, 26992), (101, 26995), (104, 27016),

Gene: Wile_34 Start: 26774, Stop: 27199, Start Num: 53
Candidate Starts for Wile_34:
(Start: 53 @26774 has 116 MA's), (Start: 64 @26831 has 4 MA's), (66, 26843), (70, 26885), (72, 26900), (73, 26903), (74, 26909), (86, 26984), (91, 27005), (94, 27023), (100, 27056), (101, 27059), (104, 27080),

Gene: Wizard007_34 Start: 26715, Stop: 27140, Start Num: 53
Candidate Starts for Wizard007_34:
(37, 26634), (Start: 45 @26694 has 8 MA's), (Start: 53 @26715 has 116 MA's), (Start: 55 @26721 has 2 MA's), (Start: 59 @26739 has 1 MA's), (Start: 64 @26772 has 4 MA's), (66, 26784), (70, 26826), (72, 26841), (86, 26925), (91, 26946), (92, 26952), (94, 26964), (100, 26997), (101, 27000), (104, 27021),

Gene: Wooldri_39 Start: 27111, Stop: 27542, Start Num: 51
Candidate Starts for Wooldri_39:
(22, 26997), (Start: 24 @27003 has 9 MA's), (Start: 51 @27111 has 177 MA's), (Start: 64 @27180 has 4 MA's), (72, 27249), (73, 27252), (82, 27300), (92, 27363), (94, 27375), (100, 27408), (101, 27411), (110, 27462), (111, 27465), (119, 27504),

Gene: Xena_34 Start: 26761, Stop: 27186, Start Num: 53
Candidate Starts for Xena_34:
(Start: 53 @26761 has 116 MA's), (Start: 64 @26818 has 4 MA's), (66, 26830), (70, 26872), (72, 26887), (73, 26890), (74, 26896), (86, 26971), (91, 26992), (94, 27010), (100, 27043), (101, 27046), (104, 27067),

Gene: XianYue_36 Start: 27052, Stop: 27486, Start Num: 54
Candidate Starts for XianYue_36:
(23, 26938), (Start: 54 @27052 has 61 MA's), (67, 27145), (72, 27187), (81, 27229), (82, 27238), (89, 27283), (90, 27292), (92, 27301), (94, 27313), (100, 27346), (101, 27349), (109, 27394),

Gene: Yecey3_36 Start: 26718, Stop: 27143, Start Num: 51

Candidate Starts for Yecey3_36:
(6, 26529), (Start: 51 @26718 has 177 MA's), (72, 26862), (92, 26970), (94, 26982), (100, 27015), (110, 27069),

Gene: YoSam321_34 Start: 26707, Stop: 27132, Start Num: 53
Candidate Starts for YoSam321_34:
(37, 26626), (Start: 45 @26686 has 8 MA's), (Start: 53 @26707 has 116 MA's), (Start: 55 @26713 has 2 MA's), (Start: 59 @26731 has 1 MA's), (Start: 64 @26764 has 4 MA's), (66, 26776), (70, 26818), (72, 26833), (86, 26917), (91, 26938), (92, 26944), (94, 26956), (100, 26989), (101, 26992), (104, 27013),

Gene: Yogi_30 Start: 24160, Stop: 24636, Start Num: 51
Candidate Starts for Yogi_30:
(Start: 51 @24160 has 177 MA's), (72, 24313), (73, 24316), (76, 24328), (78, 24340), (85, 24403), (87, 24409), (94, 24445), (107, 24520), (110, 24541), (111, 24544), (116, 24577),

Gene: Yoncess_30 Start: 24161, Stop: 24637, Start Num: 51
Candidate Starts for Yoncess_30:
(Start: 51 @24161 has 177 MA's), (72, 24314), (73, 24317), (76, 24329), (78, 24341), (85, 24404), (87, 24410), (94, 24446), (107, 24521), (110, 24542), (111, 24545),

Gene: Zarafa_34 Start: 26762, Stop: 27202, Start Num: 46
Candidate Starts for Zarafa_34:
(22, 26663), (Start: 24 @26669 has 9 MA's), (Start: 46 @26762 has 3 MA's), (Start: 51 @26777 has 177 MA's), (72, 26915), (90, 27020), (91, 27023), (92, 27029), (94, 27041), (100, 27074), (101, 27077), (111, 27131), (119, 27164),

Gene: Zetzy_36 Start: 26667, Stop: 27194, Start Num: 32
Candidate Starts for Zetzy_36:
(22, 26643), (Start: 24 @26649 has 9 MA's), (Start: 32 @26667 has 1 MA's), (Start: 51 @26757 has 177 MA's), (Start: 54 @26760 has 61 MA's), (72, 26901), (81, 26943), (82, 26952), (92, 27015), (94, 27027), (100, 27060), (101, 27063), (110, 27114), (111, 27117), (119, 27156),

Gene: Zimmer_36 Start: 28554, Stop: 28985, Start Num: 51
Candidate Starts for Zimmer_36:
(Start: 51 @28554 has 177 MA's), (Start: 61 @28608 has 4 MA's), (70, 28677), (72, 28698), (80, 28731), (90, 28797), (92, 28806), (94, 28818), (97, 28842), (100, 28851), (103, 28866), (107, 28884), (110, 28905), (127, 28962),

Gene: Zolita_30 Start: 26206, Stop: 26628, Start Num: 50
Candidate Starts for Zolita_30:
(Start: 50 @26206 has 51 MA's), (Start: 61 @26248 has 4 MA's), (Start: 64 @26263 has 4 MA's), (72, 26338), (82, 26389), (91, 26446), (99, 26491), (100, 26497), (101, 26500), (109, 26545), (111, 26554),